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Thermodynamic and Transport Properties for Molten Salts: Correlation Equations for Critically Evaluated Density, Surface Tension, Electrical Conductance, and Viscosity Data

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David R. Lide, Jr., Editor

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Foreword

The *Journal of Physical and Chemical Reference Data* is published jointly by the American Institute of Physics and the American Chemical Society for the National Bureau of Standards. Its objective is to provide critically evaluated physical and chemical property data, fully documented as to the original sources and the criteria used for evaluation. One of the principal sources of material for the journal is the National Standard Reference Data System (NSRDS), a program coordinated by NBS for the purpose of promoting the compilation and critical evaluation of property data.

The regular issues of the *Journal of Physical and Chemical Reference Data* are published quarterly and contain compilations and critical data reviews of moderate length. Longer monographs, volumes of collected tables, and other material unsuited to a periodical format are published separately as *Supplements to the Journal*. This tabulation, "Thermodynamic and Transport Properties for Molten Salts: Correlation Equations for Critically Evaluated Density, Surface Tension, Electrical Conductance, and Viscosity Data", by George J. Janz is presented as Supplement No. 2 to Volume 17 of the *Journal of Physical and Chemical Reference Data*.

David R. Lide, Jr., Editor
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Critically evaluated results for two thermodynamic properties (density and surface tension) and two transport properties (electrical conductance and viscosity) are reported for one and two component salt systems in the molten state. For each system, the recommended results are reported in the form of equations, together with uncertainty estimates, and flagged comments on value judgements and related matters. Results for a limited number of higher multi-component systems are included. The NSRDS-NBS critically evaluated data series have been upgraded as part of this work, and the collection and evaluations of the available experimental data have been systematically extended to 1988.

Key words: critically evaluated data; density data; electrical conductance data; fused salts data; molten salts data; surface tension data; viscosity data.

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1. Introduction

1.1. Background

The term "molten salts" is generally associated with liquids formed by the fusion of crystalline salts of relatively high melting points. In the solid state such salts are virtually non-conductors (i.e., insulators), whereas in the molten state, most salts conduct electricity so well that the terms liquid electrolytes and molten salts have come to be used almost interchangeably. Eutectic mixtures are used to gain the molten state at lower temperatures so as to minimize the problems of corrosion and containment. The term "molten salts" thus includes multi-component salt systems, as well as one component salts in the molten state, i.e., "molten salt mixtures" as well as "single salt melts". As molten electrolytes and high temperature liquids, they are encountered in rather diverse applications in materials research and technology. A partial list of applications would include:

- Chemical: as reaction media for halogenation, oxidation, cracking, condensation, isomerization reactions, and catalysis.

- Chemical and environmental engineering: as heat transfer fluids; as reaction media for clean atmosphere processes, such as the removal of SO_2 and SO_3 in the emissions of coal burning plants, or sulfide ore smelters; as reaction media for the dissolution of plastic materials for metal recovery, such as gold (from computer chips), or clean copper wire (from coated wires), or silver (from waste photographic film).

- Energy: as electrolytes in the high temperature fuel cells (such as molten carbonate cells), and in the concepts of the super-batteries (e.g., sodium/sulfur; lithium/sulfur;), or in high energy thermal batteries; in advanced nuclear energy concepts, as components in reactors; and in energy storage, as phase change materials for the retention/release of thermal energy in advanced concepts for solar energy utilization, or in power utility stations.

- Electrometallurgy and materials science: in metal extractive electrolysis, such as the cryolite process for aluminum extraction, or the sodium chloride electrolysis for winning metallic sodium (and gaseous chlorine); in coating of metal surfaces by electroplating, or by metalliding processes; in the development of glass materials of new compositions, such as the fluoride glasses.

- Solid-state technology: as media for single crystal growth; as heat sensitive detectors, i.e., as in thermal switches; molten semi-conductors; as component materials in the search for superconductors.

The list could be extended, but the preceding may be sufficient to illustrate this facet of the subject.

The critical data evaluations at RPI have included systematic studies of all of the salt systems for a limited series of properties, such as density, surface tension, electrical conductance, and diffusion[1-10]; similarly for a selected series of salts (proposed as candidates for energy related applications), a much wider range of properties has been critically evaluated[11,12]. Additionally the series includes a comprehensive compilation of eutectics data (melting points, compositions)[13], and recommendations for reference materials and calibration quality data sets (i.e., the Molten Salts Standards Program)[14-16].

The present communication extends the critical evaluations of the density, surface tension, electrical conductance, and viscosity data to 1988, with our comprehensive surveys of the open scientific literature ending some three months before that date. The earlier compilations in this series are summarized in Table 1.1. The single salts recommendations were advanced in 1968 and 1969, respectively. Upgrades have been sprinkled throughout the succeeding publications, and escape notice. As part of the present work, the results in this series have been critically re-examined and updated. The best values recommendations are thus consolidated in the cumulative data tables of the present work herewith.

TABLE 1.1. NSRDS molten salt data series (density, d; surface tension, g; electrical conductance, k; and viscosity, ν)

Molten salts data	NSRDS recommendations	Ref.
Vol. 1 (1968)	Single Salts (d, k, ν)	1
Vol. 2 (1969)	Single Salts (g)	2
Vol. 3 (1972)	Binary mixtures: nitrates and nitrites	3
Vol. 4.1 (1974)	Binary mixtures: fluorides	4
Vol. 4.2 (1976)	Binary mixtures: chlorides	5
Vol. 4.3 (1977)	Binary mixtures: bromides and iodides	6
Vol. 4.4 (1979)	Binary mixtures: mixed halides	7
Vol. 5.1 (1980)	Additional mixtures, other than nitrates, nitrites, halides	8
Vol. 5.2 (1983)	Additional mixtures: mixed anion systems	9
this work	Cumulative data to 1988	

For each system, the results for the best values are reported in the form of equations, together with uncertainty statements, and references to the detailed evaluations. The preceding information, along with substance identification and composition (in the case of mixtures) is found in a one line/system format in the data tables. Space for additional observations is provided through the use of a flagged comments column.

Automation of the MSDC-RPI database was an important stepping stone since the use of computer assisted techniques was judged essential to the preparation of the present compilation. For this task the SPIRES[1,2] data-

[1]SPIRES. Stanford Public Information REtrieval System.

[2]Identification of such materials/devices does not in any case imply recommendation or endorsement by the National Bureau of Standards.

base management system was selected and the mainframe computer at RPI, and IBM System 370 Model 3081 was used. A practical benefit is that the numerical and bibliographic databases on core memory are available for access and interrogation by remote terminals. While we report only one correlation equation/system, i.e., the best values recommendation, the additional data sets are on record at RPI (on core memory), and can be accessed. The properties of some systems, such as NaCl, for example, have been independently measured and remeasured more than forty times over the past five decades; all such results have been examined and are stored in database core memory at RPI.

A computer Systems Sort was used to list the systems by chemical formulae in alphabetical order. Systems cross indexes have been compiled and are included within the data tables as part of the alphabetical sort.

1.2. Symbols and Units

The symbols, units, and fundamental constants are in Tables 1.2. and 1.3., respectively. For the fundamental constants, the values are listed to the number of significant figures recommended by the CODATA Task Group on Fundamental Constants. For the calculations in the present work, the values were rounded off at five significant figures.

TABLE 1.2. Symbols for physical quantities

Symbol	Name	Units
A	pre-exponential factor	as in text
C	composition	mol %
E	energy of activation	J mol^{-1}
T	temperature (Absolute)	K
d	density	g cm^{-3}
g	surface tension	mN m^{-1}
k	electrical conductance	ohm^{-1} cm^{-1}
v	viscosity	mN s m^{-2}

For conversion between SI and other units:
viscosity: 1 mN s m^{-2} = 1 cp = 1 mPa·s
surface tension: 1 mN m^{-1} = 1 dyn cm^{-1}
electrical conductance:
spec. cond.: 100 S m^{-1} = 1 ohm^{-1} cm^{-1}
mol. cond.: 0.1 mS m^2 mol^{-1} = 1 ohm^{-1} cm^2 mol^{-1}

The symbols used for surface tension, electrical conductance, and viscosity are not the standard symbols, but were used because of limitations in the computer-produced tables.

TABLE 1.3. Fundamental constants (from CODATA Bulletin No. 11, Dec. 1973)

Symbol	Name	Value
N_A	Avogadro constant	$6.022045(31)\times10^{23}$ mol^{-1}
F	Faraday constant	$9.648456(27)\times10^{4}$ C mol^{-1}
e	electron charge	$1.6021892(46)\times10^{-19}$ C
R	molar gas constant	8.31441(26) J mol^{-1} K^{-1}

A summary of the 1986 values recommended by the CODATA Task Group on Fundamental Constants appeared during the course of the present work (see CODATA Newsletter, Oct. 1986). The set above is in exact accord with the new recommendations for five significant figure values of the fundamental constants (as required in the present work).

The numbers in the parentheses indicate the standard deviation in the final decimal places.

1.3. Presentation of Physical Properties Data

1.3.a. Systems Sort

The systems were computer sorted, alphabetically by chemical formulae, using an internal sort routine based on the letters of the cationic species in the salts formulae. Within each cation "family" of salts, the anions were sorted similarly. Thus for two of the families within the potassium series, i.e., the univalent and the divalent salts of potassium, respectively, the sort routine for the one component systems yields:

..KBF_4, KBr, KCl, KF, KI, KNO_2, KNO_3... KVO_3... $K_2B_4O_7$, K_2CO_3, $K_2Cr_2O_7$... K_2MoO_4 ...K_2TiF_6 ...K_2WO_4... K_2ZrF_2.

Superimposed on this is the sort of the multi-component systems, i.e., mixtures of two or more salts. This sort follows the same routine (above), but with the sort being on the second salt (in the case of binary mixtures) while the first member is held invariant. As an illustration, consider the following series of KCl salt mixtures:

KOH-KCl, LiCl-KCl, NaCl-KCl, KCl-AgCl, KCl-$AlCl_3$, KCl-$CaCl_2$....

The alphabetical sort routine recognizes the AgCl, $AlCl_3$, and $CaCl_2$ families before the KCl family has been reached. Thus these KCl containing mixtures would be listed with AgCl-, $AlCl_3$-, and $CaCl_2$-, as the first members of the mixtures, respectively. Since KCl is recognized before KOH, LiCl, and NaCl, the three remaining mixtures would be found within the KCl family, namely, as KCl-KOH...KCl-LiCl...and KCl-NaCl, respectively. In order that KCl containing mixtures not be overlooked, as in the three examples (above) in which KCl is now no longer listed in the first place, cross indexes have been developed for each salt mixture, and have been placed at the end of each "salt family".

The alphabetical sort for more complex mixtures, e.g., ternary systems, was accomplished by the same principles. The ternary carbonate system [Li, Na, K / CO_3] for example, is sorted as:

$$K_2CO_3 - Li_2CO_3 - Na_2CO_3,$$

with two cross index entries (under Li_2CO_3 and Na_2CO_3 as the parents, respectively) as ancillary locators for this ternary system.

1.3.b. Cross Indexes

As already noted, the cross indexes were designed as aids in the use of the relatively large data compilations reported herewith in Tables 2.1.–2.4., respectively.

For example the surface tension data for $CsNO_3$ and mixtures containing this salt as one component of the system are found in the order:

$CsNO_3$; $CsNO_3$-KNO_3; $CsNO_3$-$LiNO_3$; $CsNO_3$-$NaNO_3$

with an entry in the next line as:

For additional $CsNO_3$ systems, see $AgNO_3$- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$- ;

Attention is thus directed to some additional mixtures containing $CsNO_3$ but in which the binary mixtures are "parented" by $AgNO_3$, $Ca(NO_3)_2$, and $Cd(NO_3)_2$, respectively. The convenience of these "built-in" indexes in such large tables is in the assistance provided for locating whether or not results have been reported for a desired system. Without such aids, the search would be tedious, to say the least.

A second illustration of the utility of these cross indexes from a similar viewpoint, but for a somewhat different situation is as follows. One may wish to examine the data of molten salt mixtures having tungsten oxide [WO_3] as part. In the alphabetical sort routine of the multi-component systems, WO_3 will be invariably listed as the second (or third) component; and thus without the "built-in" cross index at WO_3 in the tables, it would be virtually impossible to access these data quickly, and have confidence that the search has been complete.

An alternate to the use of cross indexes would be the repetitive entry of results. Thus for each multi-component system, the system could have been relisted with each salt in the "parent" (or first) position, and the data, likewise, would be relisted repeatedly. Relative to this option, the "built-in" cross indexes appeared the more desirable approach for ease of working with such large cumulative tables.

1.3.c. Physical Properties Data

For the critical evaluations the results were investigated, broadly, from three different viewpoints: firstly, as correlations with temperature, T, as the variable; secondly, (for cases where the measurements had been limited to isothermal studies) as correlations with concentration, C, as the variable; and thirdly (where the data sets were too limited for curve-fitting analysis) as "data points".

By far the largest number of systems fall in to the first group, in which the evaluated results have been expressed as equations of the forms:

density ($g\ cm^{-3}$)	$d = a - (b)T$
surface tension ($dyn\ cm^{-1}$)	$g = a - (b)T$
electrical conductance ($ohm^{-1}\ cm^{-1}$)	$k = A \exp(-E/RT)$
viscosity ($mN\ s\ m^{-2}$)	$\nu = A \exp(E/RT)$

The data for the two thermodynamic properties, density and surface tension, were thus systematically re-examined for fits to linear correlation functions and are reported accordingly where the re-fits have been possible without sacrifice of precision. Similarly, for the two transport properties, electrical conductance and viscosity, re-fits to exponential type correlations were investigated and are reported as the preferred equations.

For the cases where the data sets were limited to isothermal studies, polynomial correlations of the type:

$$Z = a + (b)C + (c)C^2 + (d)C^3 \ldots$$

have been investigated as the curve fitting correlation functions. Here Z may be any of the four properties (above) while C is the amount of the first member (in mol%) in the binary mixture. The arithmetical signs of the coefficients: a, b, c, ..., in the polynomial equations may be either positive or negative, and are given with the numerical values in the data tables.

Thirdly, for the case where the data sets were insufficient for a statistical correlation function, the results are reported simply as pair values, i.e., (T, and property datum).

Exceptions to the above generalized correlations will be found in the data tables. Thus for some mercuric halide containing salt systems, the conductance data are found to require $+E$ in the temperature correlation equation (above), and electronic as well as faradaiic processes may be contributing to the overall conductance mechanism in such systems. Or again, for certain systems, the property values as a function of temperature are observed to pass through a maximum point. This is generally encountered in multi-component systems in which one of the salts exhibits pronounced covalency, e.g., $BiCl_3$, $HgCl_2$ .... For such systems the simple exponential correlation (above) may be valid for a rather limited temperature range, whereas a polynomial type equation has been found best for the much larger range. In such cases, both correlations have been included in the data tables, i.e., two equations.

Information on the accuracy limits and reliability estimates is given in the tables. Accuracy estimates were limited to the data for one component salt systems (i.e., single salts) and the numerical values are listed directly with the systems. The value judgements for the multi-component salts studies have been expressed as reliability statements, and for these a series of "numerical flags" are used to point to the narrative statements (which follow as a cumulative list, later in the tables).

1.4. Value Judgements

1.4.a. Accuracy and Reliability Statements

The accuracy estimates have been limited largely to measurements reported for single salts (one component systems); for mixtures, the value judgements have been developed as reliability statements. In the latter, the results for the end-members are compared relative to the best-values data sets that are advanced for these components as single salt systems. In the reliability statements the comparisons are limited, generally, to results at two temperatures, so as to show the trend of the departures relative to the reference values for the temperature range of the measurements.

Concerning the accuracy estimates, these have been systematically re-examined, and, where possible, upgraded. Accuracy estimates, at best, are based on somewhat subjective quality judgements, largely due to the difficulties one encounters through the lack of details on sample history, measurement techniques and procedures, and the mathematical principle (theoretical and experimental) underlying the working equations for the data reduction to the physical properties values. Most of the measurements are on a relative basis, and for these the accuracy estimates rest heavily on reliable sets of measurements with "bench-mark" materials, i.e., materials of reference standards purity, and for which reliable data sets of well defined accuracies are known. The results reported for KNO_3 and NaCl in the Molten Salts Standards Program[14-16] have been used throughout the present work in firming up both the accuracy estimates and the reliability statements reported herewith.

1.4.b. Flagged Comments

To call attention to some additional remarks that bear both on the value judgements (above) and matters encountered in the course of the critical data analysis, a column of flagged comments has been included in the tables of correlation equations. For each system, the series of one or more lower case letters in this column are "flags" to specific narrative remarks giving additional insights on the results under consideration. The list of narrative comments follow the reliability statements in each of the physical properties data tables; see Tables 2.1.–2.4.

1.4.c. Significant Figures

The values of numerical constants in the correlation equations have been carried to more figures than physically significant, and the results, similarly, will be gained to more figures than actually significant. Round offs of the calculated values requires knowledge of the accuracy limits of the measurements. A measure of the latter can be gained by inspection of the limits assigned to the single salts studies, and the reliability statements advanced for the various multi-component salt systems (see Tables 2.1.–2.4. inclusive).

1.5. Acknowledgments

This work was made possible in large part by financial support from the Office of Standard Reference Data at the National Bureau of Standards (OSRD-NBS), U. S. Department of Commerce, Gaithersburg, MD. Lewis H. Gevantman, and Howard J. White, Jr. are thanked for thoughtful discussions and their continued interest throughout the period of this work.

The design of the software for molten salts physical properties database network (for storage, interrogation, and retrieval by remote terminals, of highly technical and scientific data) was undertaken with two coworkers, Christopher J. Kopf (in the initial stages) and Donald S. McMurtry (who continued and extended the design, reduced it to practice, and brought this phase of the task to completion). Special thanks are due to both for their very significant contributions, and for their guidance to those at RPI assisting with data entry, data verification, and the many related tasks that form the stepping stones on the path to final copy.

The cumulative data tables (i.e., Tables 2.1–2.4) were prepared using customized SPIRES formats, designed and written by D. S. McMurtry, to generate the results as camera ready copy from the molten salts database on core memory, and the laser printer facilities at Rensselaer Polytechnic Institute.

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2. Physical Properties Data Tables

2.1. Points To Be Noted

The cumulative results for the properties: density, surface tension, electrical conductance, and viscosity, have been compiled in a series of four tables. The results for salt systems that were added too late for the machine sorts of the preceding four tables are reported as additional data in that fifth table herewith.

The critically evaluated results in these tables fall into three broad groups: as correlations with temperature, T, as the variable; as correlations with concentration, C, as the variable (for cases where the data sets were limited to isothermal measurements); and thirdly (where the data sets were too limited for curve-fitting analysis) simply as "data points".

The following additional points should be noted for facile work with these tables:

- Accuracy estimates: limited largely to measurements reported for single salts (one component systems).
- Reliability statements: value judgements for the measurements reported for multi-component systems, and principally limited to the results for the end-members; these are numerically flagged in the accuracy columns, and the complete statements are found in the second part of each of these four tables.
- Alphabetically flagged comments: the narratives for the flags follow immediately after the reliability statements in each of the data tables.
- Data source references: these are numbered in order of first appearance; the list of references follows as the last part of each of these four tables; for systems for which the NSRDS molten salts volumes are cited, the data source references are cited in full in the cumulative lists of references in each, and accordingly are not repeated again in the present work.

Table 2.1.a Density data

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	AgBr				
100	$d = 6.307 - 0.001035\ T$	720-940	±1%	1	a
	AgBr-AgCl				
0-100	$d = 5.519 - 9.4 \times 10^{-4}\ T$	760-900	(1)	2	a
22.7-77.3	$d = 5.818 - 0.00108\ T$	720-850		2	a
40.3-59.7	$d = 5.984 - 0.00112\ T$	700-860		2	a
65.8-34.2	$d = 6.124 - 0.00107\ T$	700-850		2	a
100-0	$d = 6.31 - 0.00104\ T$	720-870	(2)	2	a
	$AgBr-Ag_2Te$				
0-100	$d = 8.4178 - 8.125 \times 10^{-4}\ T$	1230-1250	(3)	3	a
20-80	$d = 7.9529 - 7.757 \times 10^{-4}\ T$	1140-1260		3	a
32-68	$d = 7.7926 - 8.84 \times 10^{-4}\ T$	1020-1260		3	a
50-50	$d = 7.3999 - 8.582 \times 10^{-4}\ T$	940-1260		3	a
70-30	$d = 6.9582 - 9.374 \times 10^{-4}\ T$	780-1260		3	a
90-10	$d = 6.2609 - 8.119 \times 10^{-4}\ T$	780-1260		3	a
100-0	$d = 6.3212 - 0.0010875\ T$	740-1180	(4)	3	a
	AgBr-CsBr				
50-50	$d = 4.993 - 0.001272\ T$	760-1060		4	a
	AgBr-CsCl				
50-50	$d = 4.7056 - 0.0011809\ T$	840-1080		2	a
100-0	$d = 6.321 - 0.00105\ T$	720-960	(5)	2	a
	AgBr-KBr				
39.5-60.5	$d = 3.954 - 9.8 \times 10^{-4}\ T$	870-970		4	a
60.1-39.9	$d = 4.657 - 0.00103\ T$	660-870		4	a
79.2-20.8	$d = 5.462 - 0.00112\ T$	660-870		4	a
100-0	$d = 6.316 - 0.00105\ T$	720-870	(6)	4	a
	AgBr-KCl				
50-50	$d = 3.9663 - 9.317 \times 10^{-4}\ T$	700-1073		2	a,e
0-100 AgBr	$d = 1.487 + 0.02796\ C - 3.279 \times 10^{-5}\ C^2 + 1.226 \times 10^{-6}\ C^3$	1073	(7)	2	a,e
	AgBr-LiBr				
50-50	$d = 4.743 - 8.92 \times 10^{-4}\ T$	810-960		4	a
	AgBr-LiCl				
50-50	$d = 4.3431 - 8.592 \times 10^{-4}\ T$	880-980		2	a
100-0	$d = 6.321 - 0.00105\ T$	720-960	(8)	2	a
	AgBr-NaBr				
50-50	$d = 4.626 - 0.001004\ T$	930-1060		4	a
	AgBr-NaCl				
50-50	$d = 4.2101 - 8.933 \times 10^{-4}\ T$	980-1080		2	a
0-100 AgBr	$d = 1.57 + 0.0344\ C - 7.703 \times 10^{-5}\ C^2 + 1.014 \times 10^{-6}\ C^3$	1073	(9)	2	a
	AgBr-RbBr				
50-50	$d = 4.727 - 0.001156\ T$	810-1050		4	a
	AgBr-RbCl				
50-50	$d = 4.4345 - 0.0011046\ T$	820-1060		2	a
100-0	$d = 6.321 - 0.00105\ T$	720-820	(10)	2	a
	AgCl				
100	$d = 5.519 - 9.4 \times 10^{-4}\ T$	760-900	±1%	5	a
	$AgCl-AgNO_3$				
0-100	$d = 4.5218 - 0.0011434\ T$	487-589	(11)	3	a
5.7-94.3	$d = 4.5514 - 0.001136\ T$	500-580		3	a
16.1-83.9	$d = 4.6599 - 0.0011631\ T$	460-600		3	a
23.2-76.8	$d = 4.7017 - 0.0011365\ T$	460-580		3	a
34.5-65.5	$d = 4.7896 - 0.0011007\ T$	500-580		3	a
42.8-57.2	$d = 4.8674 - 0.001107\ T$	540-580		3	a
	$AgCl-Ag_2S$				
0-100	$d = 7.5329 - 9.132 \times 10^{-4}\ T$	1173-1273	(12)	3	a,c
2.02-97.98	$d = 9.4488 - 0.0025997\ T$	1130-1210		3	a,c

Table 2.1.a Density data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Density (g cm^{-3})				
14.50-85.50	d = 6.9369 - 5.199 x 10^{-4} T	970-1210		3	a,c
21.69-78.31	d = 6.8323 - 5.5 x 10^{-4} T	970-1210		3	a,c
34.41-65.59	d = 6.5069 - 4.5 x 10^{-4} T	970-1210		3	a,c
46.56-53.44	d = 6.5301 - 6.701 x 10^{-4} T	950-1210		3	a,c
60.86-39.14	d = 6.2184 - 7.3 x 10^{-4} T	770-1050		3	a,c
67.70-32.30	d = 6.1122 - 7.399 x 10^{-4} T	770-1050		3	a,c
69.99-30.01	d = 6.0549 - 7.501 x 10^{-4} T	770-1050		3	a,c
79.63-20.37	d = 6.0687 - 8.7 x 10^{-4} T	770-1050		3	a,c
94.30-5.70	d = 5.6412 - 8.5 x 10^{-4} T	770-1050		3	a,c
100.0-0.0	d = 5.5045 - 8.698 x 10^{-4} T	770-1050	(13)	3	a,c
	$AgCl-Ag_2Se$				
0-100	d = 8.4199 - 9.746 x 10^{-4} T	1170-1250	(14)	3	a
30-70	d = 7.1012 - 5.093 x 10^{-4} T	1090-1250		3	a
40-60	d = 7.0975 - 6.825 x 10^{-4} T	970-1250		3	a
50-50	d = 6.8537 - 7.022 x 10^{-4} T	970-1250		3	a
60-40	d = 6.6984 - 8.273 x 10^{-4} T	970-1250		3	a
70-30	d = 6.4121 - 8.427 x 10^{-4} T	970-1250		3	a
90-10	d = 6.0941 - 0.0011108 T	970-1250		3	a
100-0	d = 5.4719 - 8.854 x 10^{-4} T	770-1250	(15)	3	a
	$AgCl-Ag_2Te$				
0-100	d = 8.4178 - 8.125 x 10^{-4} T	1230-1250	(16)	3	a
15.00-85.00	d = 8.0119 - 7.577 x 10^{-4} T	1090-1250		3	a
22.50-77.50	d = 7.9781 - 8.807 x 10^{-4} T	1030-1270		3	a
33.00-67.00	d = 7.6632 - 8.465 x 10^{-4} T	970-1250		3	a
45.00-55.00	d = 7.4291 - 8.967 x 10^{-4} T	870-1250		3	a
60.00-40.00	d = 6.9222 - 8.465 x 10^{-4} T	850-1250		3	a
67.50-32.50	d = 6.6613 - 8.281 x 10^{-4} T	770-1250		3	a
75.00-25.00	d = 6.4556 - 8.868 x 10^{-4} T	770-1250		3	a
82.50-17.50	d = 6.2636 - 9.538 x 10^{-4} T	770-1250		3	a
90.00-10.00	d = 5.8137 - 7.993 x 10^{-4} T	770-1250		3	a
92.64-7.36	d = 5.835 - 9.4 x 10^{-4} T	770-1250		3	a
96.06-3.04	d = 5.5677 - 8.638 x 10^{-4} T	770-1250		3	a
100.0-0.0	d = 5.4719 - 8.854 x 10^{-4} T	770-1250	(17)	3	a
	AgCl-KBr				
0-100 KBr	d = 4.519 - 0.0457 C + 4.581 x 10^{-4} C^2 - 3.882 x 10^{-6} C^3 + 1.403 x 10^{-8} C^4	1073	(18)	2	a
	AgCl-KCl				
47.8-52.2	d = 3.526 - 8.8 x 10^{-4} T	840-1000		5	a
68.0-32.0	d = 4.263 - 9.6 x 10^{-4} T	660-900		5	a
80.6-19.4	d = 4.723 - 9.5 x 10^{-4} T	720-940		5	a
100-0	d = 5.519 - 9.4 x 10^{-4} T	760-900	(19)	5	a
	AgCl-NaBr				
0-100 NaBr	d = 4.576 - 0.03794 C + 3.515 x 10^{-4} C^2 - 3.35 x 10^{-6} C^3 + 1.337 x 10^{-8} C^4	1073	(20)	2	a
	$AgCl-PbCl_2$				
0-100	d = 6.112 - 0.0015 T	790-980	(21)	5	a
19.4-80.6	d = 6.056 - 0.00145 T	800-970		5	a
29.1-70.9	d = 6.022 - 0.00142 T	750-950		5	a
38.9-61.1	d = 5.948 - 0.00134 T	720-940		5	a
46.6-53.4	d = 5.893 - 0.00128 T	720-950		5	a
57.4-42.6	d = 5.864 - 0.00126 T	660-970		5	a
79.7-20.3	d = 5.682 - 0.00108 T	710-930		5	a
100-0	d = 5.519 - 9.4 x 10^{-4} T	760-900	(22)	5	a
For additional AgCl systems, see : AgBr-					
	$AgClO_3$				
100	d = 8.9502 - 0.01056 T	478-485	±1.5%	6	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	$AgClO_3$-$LiNO_3$				
50-50	d = 3.4849 - 0.0010703 T	480-520		3	a
	AgI				
100	d = 6.415 - 0.00101 T	870-1075	±1%	1	a
	AgI-$AgNO_3$				
0-100	(T=498 K, d=3.954)		(23)	3	a
7.4-92.6	d = 5.2239 - 0.0022402 T	420-500		3	a
15.3-84.7	d = 5.1927 - 0.0018038 T	420-500		3	a,e
19.4-80.6	d = 5.5315 - 0.0023206 T	420-500		3	a,e
23.7-76.3	d = 5.6361 - 0.0023322 T	420-500		3	a,e
28-72	d = 5.688 - 0.0022441 T	420-500		3	a,e
32.5-67.5	d = 5.8212 - 0.0023362 T	420-500		3	a,e
37.2-62.8	d = 5.9339 - 0.0023797 T	420-500		3	a,e
42-58	d = 6.0287 - 0.0023878 T	420-500		3	a,e
47-53	d = 6.0884 - 0.0023203 T	420-500		3	a,e
52-48	d = 6.2888 - 0.0026041 T	420-500		3	a
	AgI-Ag_2S				
0-100	d = 7.5329 - 9.132 x 10^{-4} T	1173-1273	(24)	3	a
20-80	d = 7.4651 - 9.646 x 10^{-4} T	1130-1250		3	a
35-65	d = 7.5082 - 0.001169 T	1130-1250		3	a
50-50	d = 6.7416 - 6.987 x 10^{-4} T	1090-1250		3	a
60-40	d = 6.7956 - 8.549 x 10^{-4} T	1090-1250		3	a
70-30	d = 6.7032 - 9.274 x 10^{-4} T	1050-1250		3	a
85-15	d = 6.4086 - 8.018 x 10^{-4} T	970-1250		3	a
100-0	d = 6.4109 - 0.0010175 T	890-1250	(25)	3	a
	AgI-Ag_2Te				
0-100	d = 8.4178 - 8.125 x 10^{-4} T	1230-1250	(26)	3	a
20-80	d = 7.8607 - 6.93 x 10^{-4} T	1120-1240		3	a
40-60	d = 7.4642 - 7.231 x 10^{-4} T	1120-1240		3	a
50-50	d = 7.4962 - 9.192 x 10^{-4} T	1100-1240		3	a
70-30	d = 7.0626 - 8.905 x 10^{-4} T	1040-1240		3	a
80-20	d = 6.6858 - 8.173 x 10^{-4} T	1000-1240		3	a
90-10	d = 6.6967 - 0.0010289 T	920-1240		3	a
100-0	d = 6.4109 - 0.0010175 T	900-1240	(27)	3	a
	$AgNO_3$				
100	d = 4.503 - 0.001098 T	483-633	±1%	7	a
	$AgNO_3$-$Ba(NO_3)_2$				
97.44-2.56	d = 4.48596 - 0.0011427 T	540-590		7	a
98.48-1.52	d = 4.49724 - 0.0011378 T	490-590		7	a
100-0	d = 4.51914 - 0.0011415 T	490-590	(28)	7	a
	$AgNO_3$-$Ca(NO_3)_2$				
89.3-10.7	d = 4.17118 - 0.00105217 T	485-590		7	a,e
90-10	d = 4.19018 - 0.00105217 T	485-590		7	a,e
91-9	d = 4.22265 - 0.00106117 T	485-590		7	a,e
92-8	d = 4.25588 - 0.0010714 T	485-590		7	a,e
93-7	d = 4.28659 - 0.00107687 T	485-590		7	a,e
94-6	d = 4.32044 - 0.00108834 T	485-590		7	a,e
95-5	d = 4.3522 - 0.00109593 T	485-590		7	a,e
96-4	d = 4.38472 - 0.00110475 T	485-590		7	a,e
97-3	d = 4.41756 - 0.00111428 T	485-590		7	a,e
98-2	d = 4.44985 - 0.00112293 T	485-590		7	a,e
99-1	d = 4.48142 - 0.00113016 T	485-590		7	a,e
100-0	d = 4.51403 - 0.00113916 T	485-590	(29)	7	a,e
	$AgNO_3$-$Cd(NO_3)_2$				
40-60	d = 4.04352 - 0.00110794 T	485-560		7	a,e
50-50	d = 4.11302 - 0.00110794 T	440-560		7	a,e

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
60-40	d = 4.18407 - 0.00110794 T	445-560		7	a,e
61-39	d = 4.19126 - 0.00110794 T	455-560		7	a,e
70-30	d = 4.25666 - 0.00110794 T	465-560		7	a,e
80-20	d = 4.33081 - 0.00110794 T	485-560		7	a,e
90-10	d = 4.4065 - 0.00110794 T	495-560		7	a,e
100-0	d = 4.48374 - 0.00110794 T	505-560	(30)	7	a,e
	$AgNO_3$-$CsNO_3$				
0-100	d = 3.6294 - 0.00118994 T	700-790	(31)	7	a,e
10-90	d = 3.6936 - 0.00119089 T	690-750		7	a,e
20-80	d = 3.7596 - 0.00119184 T	630-710		7	a,e
30-70	d = 3.8291 - 0.00119279 T	560-690		7	a,e
40-60	d = 3.9039 - 0.00119374 T	500-670		7	a,e
50-50	d = 3.9856 - 0.00119469 T	460-670		7	a,e
60-40	d = 4.0761 - 0.00119654 T	470-660		7	a,e
67.5-32.5	d = 4.1507 - 0.00119635 T	500-650		7	a,e
70-30	d = 4.1771 - 0.00119659 T	480-650		7	a,e
80-20	d = 4.2903 - 0.00119754 T	490-640		7	a,e
90-10	d = 4.4175 - 0.00119849 T	500-640		7	a,e
100-0	d = 4.5605 - 0.00119945 T	500-650	(32)	7	a,e
	$AgNO_3$-HgI_2				
30-70	d = 6.2743 - 0.0016153 T	450-510		3	a
35-65	d = 6.1625 - 0.0014549 T	410-510		3	a
37.5-62.5	d = 6.1413 - 0.0014434 T	400-510		3	a
40-60	d = 6.1357 - 0.001463 T	390-510		3	a
42.5-57.5	d = 6.1269 - 0.0014532 T	390-510		3	a
45-55	d = 6.0709 - 0.0014002 T	390-510		3	a
47.5-52.5	d = 6.0299 - 0.0013533 T	390-510		3	a
50-50	d = 5.9756 - 0.0014503 T	380-510		3	a
52.5-47.5	d = 5.9126 - 0.0013627 T	370-510		3	a
55-45	d = 5.867 - 0.0013937 T	370-510		3	a
60-40	d = 5.751 - 0.0014339 T	360-510		3	a
62.5-37.5	d = 5.696 - 0.0013931 T	370-510		3	a
67.5-32.5	d = 5.633 - 0.0014464 T	380-510		3	a
70-30	d = 5.5599 - 0.0013774 T	380-510		3	a
75-25	d = 5.4362 - 0.0013286 T	370-510		3	a
85-15	d = 5.2677 - 0.0012576 T	370-510		3	a
100-0	d = 4.6292 - 0.0012472 T	490-590	(33)	3	a
	$AgNO_3$-KNO_3				
0-100	d = 2.305 - 7.005 x 10^{-4} T	610-670	(34)	7	a,e
10-90	d = 2.534 - 8.25 x 10^{-4} T	593-653		7	a,e
20-80	d = 2.743 - 8.9 x 10^{-4} T	553-653		7	a,e
30-70	d = 2.973 - 9.94 x 10^{-4} T	523-643		7	a,e
40-60	d = 3.185 - 0.00105 T	483-643		7	a,e
50-50	d = 3.386 - 0.00106 T	433-643		7	a,e
60-40	d = 3.602 - 0.00109 T	433-643		7	a,e
63-37	d = 3.667 - 0.001095 T	490-640		7	a,e
70-30	d = 3.817 - 0.0011 T	433-639		7	a
80-20	d = 4.039 - 0.00111 T	453-637		7	a
90-10	d = 4.308 - 0.00118 T	473-633		7	a
100-0	d = 4.487 - 0.00108 T	490-630	(35)	7	a
	$AgNO_3$-$LiNO_3$				
0-100	d = 2.1057 - 5.92 x 10^{-4} T	525-673	(36)	7	a
10-90	d = 2.3492 - 6.11 x 10^{-4} T	523-662		7	a
20-80	d = 2.6359 - 7.23 x 10^{-4} T	513-623		7	a
30-70	d = 2.8897 - 7.75 x 10^{-4} T	503-619		7	a
40-60	d = 3.1637 - 8.69 x 10^{-4} T	493-617		7	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
50-50	$d = 3.395 - 9.07 \times 10^{-4}$ T	473-615		7	a
60-40	$d = 3.6925 - 0.001061$ T	463-613		7	a
70-30	$d = 3.8696 - 0.001018$ T	453-613		7	a
80-20	$d = 4.0901 - 0.001059$ T	453-613		7	a
90-10	$d = 4.3095 - 0.001092$ T	473-613		7	a
100-0	$d = 4.503 - 0.001098$ T	483-633	(37)	7	a
	$AgNO_3$-$Mg(NO_3)_2$				
90-10	$d = 4.1905 - 0.0010813$ T	485-590		7	a
91-9	$d = 4.2251 - 0.0010908$ T	485-590		7	a
92-8	$d = 4.2558 - 0.0010929$ T	485-590		7	a
93-7	$d = 4.2894 - 0.0011003$ T	485-590		7	a
94-6	$d = 4.3205 - 0.0011033$ T	485-590		7	a
95-5	$d = 4.3539 - 0.0011106$ T	485-590		7	a
96-4	$d = 4.3849 - 0.001113$ T	485-590		7	a
97-3	$d = 4.418 - 0.0011198$ T	485-590		7	a
98-2	$d = 4.4501 - 0.0011125$ T	485-590		7	a
99-1	$d = 4.4844 - 0.0011335$ T	485-590		7	a
100-0	$d = 4.5147 - 0.0011348$ T	485-590	(38)	7	a
	$AgNO_3$-$NaNO_3$				
0-100	$d = 2.3569 - 7.5 \times 10^{-4}$ T	583-673	(39)	7	a
20-80	$d = 2.8 - 8.6 \times 10^{-4}$ T	573-633		7	a
40-60	$d = 3.2373 - 9.6 \times 10^{-4}$ T	553-623		7	a
60-40	$d = 3.6923 - 0.00107$ T	523-621		7	a
80-20	$d = 4.1045 - 0.0011$ T	493-615		7	a
100-0	$d = 4.503 - 0.001098$ T	483-633	(40)	7	a
	$AgNO_3$-$RbNO_3$				
0-100	$d = 3.109 - 0.001001$ T	600-640	(41)	7	a,e
10-90	$d = 3.228 - 0.00105$ T	553-653		7	a,e
20-80	$d = 3.384 - 0.00114$ T	513-643		7	a,e
30-70	$d = 3.519 - 0.001185$ T	453-643		7	a,e
40-60	$d = 3.655 - 0.00121$ T	433-633		7	a,e
50-50	$d = 3.789 - 0.00122$ T	433-623		7	a,e
60-40	$d = 3.922 - 0.00121$ T	433-633		7	a,e
70-30	$d = 4.061 - 0.0012$ T	433-623		7	a,e
80-20	$d = 4.194 - 0.00116$ T	463-623		7	a,e
90-10	$d = 4.329 - 0.001107$ T	463-613		7	a,e
100-0	$d = 4.463 - 0.001036$ T	490-630	(42)	7	a,e
	$AgNO_3$-$TlNO_3$				
0-100	$d = 5.807 - 0.001858$ T	490-620	(43)	7	a,e
10-90	$d = 5.695 - 0.00178$ T	470-600		7	a,e
20-80	$d = 5.582 - 0.00171$ T	443-593		7	a,e
30-70	$d = 5.467 - 0.00163$ T	440-590		7	a,e
40-60	$d = 5.351 - 0.00156$ T	433-593		7	a,e
50-50	$d = 5.23 - 0.00149$ T	440-590		7	a,e
60-40	$d = 5.103 - 0.00142$ T	433-593		7	a,e
70-30	$d = 4.97 - 0.00135$ T	440-590		7	a,e
80-20	$d = 4.828 - 0.00127$ T	443-593		7	a,e
90-10	$d = 4.684 - 0.00121$ T	470-600		7	a,e
100-0	$d = 4.521 - 0.00113$ T	490-630	(44)	7	a,e
For additional $AgNO_3$ systems, see : AgCl- ; AgI-					
	Ag_2S				
100	$d = 7.5329 - 9.132 \times 10^{-4}$ T	1173-1273	±5%	3	a
For additional Ag_2S systems, see : AgCl- ; AgI-					
	Ag_2Se				
100	$d = 8.4199 - 9.746 \times 10^{-4}$ T	1170-1250	±5%	3	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
For additional Ag_2Se systems, see : AgCl-					
	Ag_2SO_4				
100	d = 5.843 - 0.001089 T	953-1043	±1%	1	a
	Ag_2SO_4-Li_2SO_4				
0-100	d = 2.3824 - 3.35 x 10^{-4} T	1150-1230	(45)	6	a,b,e
50-50	d = 4.4768 - 9.643 x 10^{-4} T	890-1010		6	a,e
100-0	d = 5.8436 - 0.0010895 T	950-1050	(46)	6	a,e
	Ag_2Te				
100	d = 8.4178 - 8.125 x 10^{-4} T	1230-1250	±5%	3	a
For additional Ag_2Te systems, see : AgBr- ; AgCl- ; AgI-					
	$AlBr_3$				
100	d = 3.5491 - 0.0024356 T	380-540	±1%	4	a
	$AlBr_3$-$HgBr_2$				
66.67-33.33	d = 4.4973 - 0.0024002 T	385-410		4	a
69.51-30.49	d = 4.4393 - 0.0024499 T	385-410		4	a
71.87-28.13	d = 4.1321 - 0.00188 T	385-410		4	a
73.54-26.46	d = 4.2456 - 0.00229 T	385-410		4	a
76.94-23.06	d = 4.2233 - 0.00247 T	385-410		4	a
80.15-19.85	d = 4.1432 - 0.00253 T	385-410		4	a
84.80-15.20	d = 3.9315 - 0.0023501 T	385-410		4	a
92.66-7.34	d = 3.7383 - 0.0023801 T	385-410		4	a
100-0	d = 3.4969 - 0.0022801 T	385-415	(47)	4	a
	$AlBr_3$-KBr				
66.67-33.33	d = 3.3615 - 0.0014202 T	385-410		4	a
68.77-31.23	d = 3.3951 - 0.0015102 T	385-410		4	a
71.21-28.79	d = 3.3838 - 0.0015001 T	395-410		4	a
75.66-24.34	d = 3.4219 - 0.0016301 T	385-410		4	a
76.59-23.41	d = 3.4186 - 0.0016401 T	385-410		4	a
	$AlBr_3$-KCl				
66.7-33.3	d = 3.2364 - 0.0014321 T	360-440		2	a
100.0-0.0	d = 3.5104 - 0.0023143 T	380-430	(48)	2	a
	$AlBr_3$-NaBr				
33.3-66.7	d = 3.026 - 8.12 x 10^{-4} T	960-1140		4	a
50.0-50.0	d = 3.267 - 0.00113 T	600-1140		4	a
66.7-33.3	d = 3.321 - 0.00132 T	460-800		4	a
80.0-20.0	d = 3.421 - 0.0017 T	400-640		4	a
	$AlBr_3$-NH_4Br				
66.69-33.31	d = 3.2035 - 0.0013152 T	385-420		4	a
70.90-29.10	d = 3.2491 - 0.001404 T	385-420		4	a
74.78-25.22	d = 3.2763 - 0.0014586 T	385-420		4	a
75.63-24.37	d = 3.2968 - 0.0015179 T	385-420		4	a
78.40-21.60	d = 3.3275 - 0.0016029 T	385-420		4	a
100-0	d = 3.4969 - 0.0022801 T	385-420	(49)	4	a
	$AlBr_3$-$SbBr_3$				
0-100	d = 4.6695 - 0.0026044 T	375-410	(50)	4	a
4.39-95.61	d = 4.7948 - 0.0029759 T	375-410		4	a,e
15.47-84.53	d = 4.5433 - 0.0025024 T	375-410		4	a
24.69-75.31	d = 4.4314 - 0.0023764 T	375-410		4	a
28.50-71.50	d = 4.9025 - 0.0036345 T	375-410		4	a,e
34.06-65.94	d = 4.305 - 0.0022264 T	375-410		4	a
39.63-60.37	d = 4.268 - 0.0022804 T	375-410		4	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
41.30-58.70	d = 4.253 - 0.0022804 T	375-410		4	a
50.08-49.92	d = 4.2046 - 0.0023704 T	375-410		4	a
53.63-46.37	d = 4.1157 - 0.0022384 T	375-410		4	a
55.03-44.97	d = 4.0644 - 0.0021363 T	375-410		4	a
61.64-38.36	d = 4.0764 - 0.0023651 T	375-410		4	a
65.65-34.35	d = 3.9943 - 0.0022972 T	375-410		4	a
73.69-26.31	d = 3.9073 - 0.0023359 T	375-410		4	a
77.66-22.34	d = 3.8138 - 0.0022552 T	375-410		4	a
79.62-20.38	d = 3.813 - 0.0023362 T	375-410		4	a
82.77-17.23	d = 3.7832 - 0.0023679 T	375-410		4	a
83.69-16.31	d = 3.7046 - 0.0022065 T	375-410		4	a
87.11-12.89	d = 3.7167 - 0.0023655 T	375-410		4	a
93.33-6.67	d = 3.6406 - 0.0024165 T	375-410		4	a
100-0	d = 3.4797 - 0.0022354 T	375-410	(51)	4	a
	$AlBr_3$-$ZnBr_2$				
66.80-33.20	d = 3.7214 - 0.0019062 T	375-420		4	a
71.14-28.86	d = 3.7597 - 0.0021414 T	385-420		4	a,e
74.68-25.32	d = 3.679 - 0.0020521 T	375-420		4	a
77.38-22.62	d = 3.6714 - 0.0021181 T	375-420		4	a
79.94-20.06	d = 3.6617 - 0.0021771 T	375-420		4	a
82.67-17.33	d = 3.6119 - 0.0021424 T	375-420		4	a
86.54-13.46	d = 3.5915 - 0.0022083 T	375-420		4	a
100-0	d = 3.4797 - 0.0022354 T	375-420	(52)	4	a,e
	$AlCl_3$				
100	d = 2.5574 - 0.0027118 T	462-569	±0.5%	5	a
	$AlCl_3$-$BiCl_3$				
0-100	d = 5.05 - 0.00226 T	690-750	(53)	5	a
20-80	d = 4.356 - 0.0019 T	480-550		5	a
35-65	d = 3.894 - 0.00171 T	470-670		5	a
60-40	d = 3.142 - 0.00143 T	450-550		5	a
100-0	d = 2.371 - 0.00233 T	480-490	(54)	5	a
	$AlCl_3$-KCl				
33.34-66.66	d = 1.9734 - 6.101 x 10^{-4} T	960-1040		5	a
49.97-50.03	d = 1.9556 - 6.622 x 10^{-4} T	740-1040		5	a
66.67-33.33	d = 1.9889 - 7.901 x 10^{-4} T	500-780		5	a
80.0-20.0	d = 2.0252 - 0.0010038 T	480-540		5	a
	$AlCl_3$-LiCl				
49.25-50.75	d = 1.95522 - 7.515 x 10^{-4} T	420-530	(55)	8	k
54.7-45.3	d = 1.95742 - 7.7384 x 10^{-4} T	470-520		8	d
55-45	d = 1.9228 - 6.8 x 10^{-4} T	450-495		5	a
60-40	d = 1.9742 - 7.999 x 10^{-4} T	450-495		5	a
60-40	d = 1.96956 - 8.2581 x 10^{-4} T	470-540		8	d
65-35	d = 1.9885 - 8.4 x 10^{-4} T	450-495		5	a
65.3-34.7	d = 1.99139 - 9.0699 x 10^{-4} T	470-540		8	d
69.8-30.2	d = 2.0242 - 0.00102 T	470-520		8	d
70-30	d = 2.0142 - 9. x 10^{-4} T	450-495		5	a
75-25	d = 2.05237 - 0.00113429 T	470-520		8	d
75.0-25.0	d = 1.9589 - 8. x 10^{-4} T	450-495		5	a
	$AlCl_3$-LiCl-NaCl				
50-30-20	d = 2.0099 - 7.9492 x 10^{-4} T	397-534		9	k
50-40-10	d = 1.9779 - 7.6415 x 10^{-4} T	418-535	(56)	9	k
50-20-30	d = 2.0266 - 7.9358 x 10^{-4} T	419-545		9	k
50-10-40	d = 2.0435 - 7.905 x 10^{-4} T	432-606		9	k
60-20-20	d = 2.0174 - 8.6915 x 10^{-4} T	426-482		9	k
60-30-10	d = 1.9958 - 8.5945 x 10^{-4} T	426-500		9	k
60-10-30	d = 2.0245 - 8.487 x 10^{-4} T	426-520		9	k

Table 2.1.a Density data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Density (g cm^{-3})				
69.7-20.2-10.1	$d = 2.0525 - 9.8894 \times 10^{-4}$ T	468-492		9	k
69.8-10.1-20.1	$d = 2.0692 - 9.5349 \times 10^{-4}$ T	464-545		9	k
69.9-20.0-10.1	$d = 2.0456 - 9.784 \times 10^{-4}$ T	464-535		9	k
79.2-10.4-10.4	$d = 2.1027 - 0.0011568$ T	463-515		9	k
79.9-10.0-10.1	$d = 2.105 - 0.0012739$ T	473-492		9	k
	$AlCl_3$-NaBr				
52.5-47.5	$d = 2.4087 - 9.2 \times 10^{-4}$ T	450-495		2	a
55.0-45.0	$d = 2.3536 - 8.6 \times 10^{-4}$ T	450-495		2	a
60.0-40.0	$d = 2.316 - 9.2 \times 10^{-4}$ T	450-495		2	a
65.00-35.00	$d = 2.2786 - 9.6 \times 10^{-4}$ T	450-495		2	a
70.0-30.0	$d = 2.2567 - 0.00102$ T	450-495		2	a
75.0-25.0	$d = 2.25 - 0.00112$ T	475-495		2	a
	$AlCl_3$-NaCl				
52.0-48.0	$d = 2.068 - 8.38 \times 10^{-4}$ T	400-560		5	a
61.8-38.2	$d = 2.034 - 8.66 \times 10^{-4}$ T	440-540		5	a
73.0-27.0	$d = 2.011 - 9.2 \times 10^{-4}$ T	460-610		5	a
100-0	$d = 2.371 - 0.00233$ T	480-490	(57)	5	a
	$AlCl_3$-NH_4Cl				
50-50	$d = 1.9195 - 8.097 \times 10^{-4}$ T	556-627		5	a,e
	$AlCl_3$-RbCl				
70.0-30.0	$d = 2.2536 - 9.6 \times 10^{-4}$ T	450-495		5	a
75.0-25.0	$d = 2.2482 - 0.001$ T	450-495		5	a
	AlF_3-CsF				
25-75	$d = 4.7793 - 0.001534$ T	1130-1270		10	a
	AlF_3-KF				
25-75	$d = 2.77 - 7.398 \times 10^{-4}$ T	1273-1323		10	a,e
	AlF_3-LiF				
0-100	$d = 2.3289 - 4.6803 \times 10^{-4}$ T	1130-1320	(58)	10	a
5-95	$d = 2.4298 - 4.8222 \times 10^{-4}$ T	1130-1320		10	a
10-90	$d = 2.666 - 6.1429 \times 10^{-4}$ T	1130-1320		10	a
15-85	$d = 2.7935 - 6.6981 \times 10^{-4}$ T	1130-1320		10	a
20-80	$d = 2.8751 - 7.1021 \times 10^{-4}$ T	1130-1320		10	a
25-75	$d = 3.0422 - 8.359 \times 10^{-4}$ T	1130-1320		10	a
30-70	$d = 3.1456 - 9.3597 \times 10^{-4}$ T	1130-1320		10	a
35-65	$d = 3.205 - 0.00102998$ T	1130-1320		10	a
40-60	$d = 3.1147 - 0.00102009$ T	1130-1320		10	a
45-55	$d = 2.9235 - 9.4019 \times 10^{-4}$ T	1130-1320		10	a
	AlF_3-NaF				
0-100	$d = 2.755 - 6.36 \times 10^{-4}$ T	1275-1370	(59)	10	a
10-90	$d = 2.868 - 6.48 \times 10^{-4}$ T	1275-1370		10	a
15-85	$d = 3.0535 - 7.65 \times 10^{-4}$ T	1275-1370		10	a
20-80	$d = 3.2415 - 8.98 \times 10^{-4}$ T	1275-1370		10	a
23-77	$d = 3.2612 - 9.12 \times 10^{-4}$ T	1275-1370		10	a
25-75	$d = 3.2733 - 9.2 \times 10^{-4}$ T	1275-1370		10	a
30-70	$d = 3.2258 - 9.2 \times 10^{-4}$ T	1275-1370		10	a
35-65	$d = 3.1679 - 9.35 \times 10^{-4}$ T	1275-1370		10	a
40-60	$d = 2.9921 - 8.9 \times 10^{-4}$ T	1275-1370		10	a
45-55	$d = 2.7198 - 7.82 \times 10^{-4}$ T	1275-1370		10	a
50-50	$d = 2.495 - 6.9 \times 10^{-4}$ T	1275-1370		10	a
	AlF_3-Na_3AlF_6				
0-100	$d = 3.307 - 9.515 \times 10^{-4}$ T	1300-1340	(60)	3	a
8.3-91.7	$d = 3.2349 - 9.008 \times 10^{-4}$ T	1300-1340		3	a
15.7-84.3	$d = 3.2549 - 9.253 \times 10^{-4}$ T	1300-1340		3	a
23.5-76.5	$d = 3.2415 - 9.265 \times 10^{-4}$ T	1300-1340		3	a
28.2-71.8	$d = 3.2294 - 9.259 \times 10^{-4}$ T	1300-1340		3	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	AlF_3-RbF				
25-75	d = 4.1844 - 0.00136 T	1273-1323		10	a,e
	AlI_3				
100	d = 4.383 - 0.0025 T	473-513	n.a.	1	a
	AlI_3-HgI_2				
0-44.8 HgI_2	d = 3.256 + 0.01263 C + 1.687 x 10^{-4} C^2 + 3.755 x 10^{-7} C^3	473	(61)	4	a,n
	AlI_3-KI				
0-35.72 KI	d = 3.256 - 0.01066 C + 7.417 x 10^{-4} C^2 - 1.068 x 10^{-5} C^3	473	(62)	4	a,n
	AlI_3-SbI_3				
0-58.01 SbI_3	d = 3.256 - 0.05304 C + 0.02333 C^2 - 9.521 x 10^{-4} C^3	473	(63)	4	a,n
	Al_2O_3-CaF_2				
0-100	(T=1723 K, d=2.52)		(64)	3	a
7.8-92.2	d = 4.415 - 0.001 T	1670-1730		3	a
16.1-83.9	d = 4.564 - 0.001024 T	1670-1730		3	a
24.7-75.3	d = 4.571 - 9.8 x 10^{-4} T	1670-1730		3	a
	Al_2O_3-KF-Na_3AlF_6				
0-0-100	d = 2.115 - 9.82 x 10^{-4} T	1273-1373	(65)	11	k
1.3-45.6-53.1	d = 3.326743 - 9.7823 x 10^{-4} T	1255-1345		11	k
1.8-13.0-85.2	d = 3.31581 - 9.5994 x 10^{-4} T	1276-1355		11	k
4.6-32.3-63.1	d = 3.200886 - 9.015 x 10^{-4} T	1224-1354		11	k
4.7-8.3-87.0	d = 3.283616 - 9.4148 x 10^{-4} T	1275-1364		11	k
5.2-47.7-47.7	d = 3.156207 - 8.9151 x 10^{-4} T	1200-1356		11	k
5.6-39.6-54.8	d = 3.186359 - 9.0286 x 10^{-4} T	1224-1354		11	k
8.6-15.3-76.1	d = 3.317274 - 9.8817 x 10^{-4} T	1248-1352		11	k
11.2-22.6-66.2	d = 3.176965 - 8.9118 x 10^{-4} T	1229-1355		11	k
11.7-31.1-57.2	d = 3.134136 - 8.6625 x 10^{-4} T	1219-1346		11	k
12.2-38.2-49.6	d = 3.094947 - 8.6633 x 10^{-4} T	1190-1353		11	k
18.5-29.9-51.6	d = 3.126709 - 8.6763 x 10^{-4} T	1216-1344		11	k
18.5-21.7-59.8	d = 3.116817 - 8.5164 x 10^{-4} T	1219-1353		11	k
18.6-11.8-69.6	d = 3.095372 - 8.2907 x 10^{-4} T	1234-1356		11	k
	Al_2O_3-Li_3AlF_6				
0-100	d = 3.0422 - 8.359 x 10^{-4} T	1130-1320	(66)	3	a
3-97	d = 3.0466 - 8.46 x 10^{-4} T	1220-1320		3	a
6-94	d = 2.973 - 7.92 x 10^{-4} T	1220-1320		3	a
	Al_2O_3-Na_3AlF_6				
0-100	d = 2.115 - 9.82 x 10^{-4} T	1273-1373	(67)	11	k
3-97	d = 3.2522 - 9.148 x 10^{-4} T	1270-1320		3	a
6-94	d = 3.212 - 8.906 x 10^{-4} T	1270-1320		3	a
9.8-90.2	d = 3.235935 - 9.115 x 10^{-4} T	1273-1360		11	k
12-88	d = 3.1458 - 8.523 x 10^{-4} T	1270-1320		3	a
18-82	d = 3.0736 - 8.07 x 10^{-4} T	1270-1320		3	a
18.6-81.4	d = 3.132648 - 8.5012 x 10^{-4} T	1245-1363		11	k
22.7-77.3	d = 3.006758 - 7.612 x 10^{-4} T	1322-1445		11	k
24-76	d = 2.9672 - 7.32 x 10^{-4} T	1270-1320		3	a
26.6-73.4	d = 2.97381 - 7.3715 x 10^{-4} T	1325-1424		11	k
	Al_2O_3-Na_3AlF_6-SiO_2				
0-100-0	(T=1273 K, d=2.102)		(68)	3	a,u
0-98-2	(T=1273 K, d=2.1)			3	a,u
0-96-4	(T=1273 K, d=2.099)			3	a,u
0-94-6	(T=1273 K, d=2.098)			3	a,u
3-97-0	(T=1273 K, d=2.078)			3	a,u
3-95-2	(T=1273 K, d=2.084)			3	a,u
3-93-4	(T=1273 K, d=2.087)			3	a,u
3-91-6	(T=1273 K, d=2.088)			3	a,u
6-94-0	(T=1273 K, d=2.061)			3	a,u

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
6-92-2	(T=1273 K, d=2.071)			3	a,u
6-90-4	(T=1273 K, d=2.078)			3	a,u
6-88-6	(T=1273 K, d=2.083)			3	a,u
9-91-0	(T=1273 K, d=2.048)			3	a,u
9-89-2	(T=1273 K, d=2.06)			3	a,u
9-87-4	(T=1273 K, d=2.07)			3	a,u
9-85-6	(T=1273 K, d=2.075)			3	a,u
12-88-0	(T=1273 K, d=2.038)			3	a,u
12-86-2	(T=1273 K, d=2.051)			3	a,u
12-84-4	(T=1273 K, d=2.06)			3	a,u
	$BaBr_2$				
100	d = 5.035 - 9.24 x 10^{-4} T	1123-1173	±1.5%	1	a
	$BaBr_2$-KBr				
0-100	d = 2.942 - 7.94 x 10^{-4} T	1020-1120	(69)	4	a
20.5-79.5	d = 3.574 - 9.37 x 10^{-4} T	930-1120		4	a
24.3-75.7	d = 3.556 - 8.49 x 10^{-4} T	930-1120		4	a
33.3-66.7	d = 3.803 - 8.96 x 10^{-4} T	920-1120		4	a
40.0-60.0	d = 3.974 - 9.3 x 10^{-4} T	920-1120		4	a
52.0-48.0	d = 4.18 - 9.06 x 10^{-4} T	910-1120		4	a
65.0-35.0	d = 4.356 - 8.75 x 10^{-4} T	970-1120		4	a
75.0-25.0	d = 4.704 - 0.001023 T	1030-1120		4	a
85.0-15.0	d = 4.551 - 7.25 x 10^{-4} T	1090-1120		4	a
100-0	d = 5.035 - 9.24 x 10^{-4} T	1120-1120	(70)	4	a
	$BaCl_2$				
100	d = 4.0152 - 6.813 x 10^{-4} T	1239-1354	±2%	1	a,c
	$BaCl_2$-BaF_2				
0-100 BaF_2	d = 2.94 + 0.003033 C + 7.536 x 10^{-5} C^2 + 9.641 x 10^{-7} C^3 - 1.019 x 10^{-8} C^4	1573	(71)	2	a,g
	$BaCl_2$-$CdCl_2$				
0-100	d = 4.099 - 8.4 x 10^{-4} T	860-990	(72)	5	a
17.1-82.9	d = 4.25 - 9.3 x 10^{-4} T	870-970		5	a
36-64	d = 4.292 - 9.3 x 10^{-4} T	860-970		5	a
54.2-45.8	d = 4.331 - 9.6 x 10^{-4} T	880-960		5	a
	$BaCl_2$-CsCl				
0-100	d = 3.7808 - 0.0010474 T	980-1270	(73)	5	a
11.42-88.58	d = 3.8593 - 0.0011065 T	980-1270		5	a
24.32-75.68	d = 3.8851 - 0.001073 T	980-1270		5	a
33.02-66.98	d = 3.8866 - 9.976 x 10^{-4} T	980-1270		5	a
43.75-56.25	d = 3.9558 - 9.939 x 10^{-4} T	980-1270		5	a
53.37-46.63	d = 3.9816 - 9.597 x 10^{-4} T	980-1270		5	a
64.83-35.17	d = 4.1136 - 0.0010144 T	980-1270		5	a
72.41-27.59	d = 4.1154 - 9.691 x 10^{-4} T	980-1270		5	a
75.28-24.72	d = 4.0725 - 9.099 x 10^{-4} T	980-1270		5	a
84.77-15.23	d = 4.1382 - 9.142 x 10^{-4} T	980-1270		5	a
100-0	d = 4.3316 - 9.844 x 10^{-4} T	1240-1270	(74)	5	a
	$BaCl_2$-KCl				
0-100	d = 2.1559 - 6.103 x 10^{-4} T	1070-1160	(75)	5	a
8.4-91.6	d = 2.485 - 7.405 x 10^{-4} T	1070-1160		5	a
13.1-86.9	d = 2.2758 - 4.769 x 10^{-4} T	1070-1160		5	a
24.4-75.6	d = 2.7114 - 6.173 x 10^{-4} T	1070-1160		5	a
29.8-70.2	d = 2.858 - 6.838 x 10^{-4} T	1080-1170		5	a
33.3-66.7	d = 3.3797 - 0.0010894 T	1070-1160		5	a,e
33.6-66.4	d = 2.9626 - 6.944 x 10^{-4} T	1070-1160		5	a
45.7-54.3	d = 3.2396 - 7.643 x 10^{-4} T	1070-1150		5	a
49.5-50.5	d = 3.1602 - 6.349 x 10^{-4} T	1060-1150		5	a
63.3-36.7	d = 3.4446 - 6.486 x 10^{-4} T	1100-1180		5	a
79.1-20.9	d = 3.7621 - 7.24 x 10^{-4} T	1160-1210		5	a

Table 2.1.a Density data (continued)

(mol %)	Density ($g\ cm^{-3}$) Equation	T range(K)	Accur.	Ref.	Comment
100-0	$d = 3.9881 - 6.819 \times 10^{-4}\ T$	1250-1280	(76)	5	a
	$BaCl_2$-KF				
0-100 $BaCl_2$	$d = 1.598 + 0.01373\ C + 9.709 \times 10^{-5}\ C^2 - 1.737 \times 10^{-6}\ C^3 + 7.277 \times 10^{-9}\ C^4$	1573	(77)	2	a,n
	$BaCl_2$-$LaCl_3$				
10-90	$d = 3.734 - 4.87 \times 10^{-4}\ T$	1110-1260		5	a
25-75	$d = 3.732 - 4.68 \times 10^{-4}\ T$	1070-1260		5	a
40-60	$d = 3.706 - 4.36 \times 10^{-4}\ T$	1100-1280		5	a
50-50	$d = 3.744 - 4.65 \times 10^{-4}\ T$	1100-1270		5	a
55-45	$d = 3.785 - 5.03 \times 10^{-4}\ T$	1140-1270		5	a
70-30	$d = 3.942 - 6.39 \times 10^{-4}\ T$	1200-1290		5	a
86-14	$d = 4.158 - 8.28 \times 10^{-4}\ T$	1250-1320		5	a
100-0	$d = 4.3316 - 9.844 \times 10^{-4}\ T$	1250-1270	(78)	5	a
	$BaCl_2$-$LiCl$				
0.0-100.0	$d = 1.8965 - 4.458 \times 10^{-4}\ T$	880-1070	(79)	5	a
10.2-89.8	$d = 2.689 - 8.3 \times 10^{-4}\ T$	880-1070		5	a
25.0-75.0	$d = 3.069 - 7.92 \times 10^{-4}\ T$	950-1070		5	a
39.4-60.6	$d = 3.43 - 8.43 \times 10^{-4}\ T$	910-1070		5	a
53.3-46.7	$d = 3.735 - 9.41 \times 10^{-4}\ T$	990-1060		5	a
67.7-32.3	$d = 3.868 - 8.71 \times 10^{-4}\ T$	1070-1160		5	a
85.0-15.0	$d = 3.977 - 8.\ \times 10^{-4}\ T$	1160-1220		5	a
100-0	$d = 4.3316 - 9.844 \times 10^{-4}\ T$	1240-1270	(80)	5	a
	$BaCl_2$-$MgCl_2$				
0.0-100.0	$d = 1.988 - 3.\ \times 10^{-4}\ T$	1030-1190	(81)	5	a
4.8-95.2	$d = 2.171 - 3.6 \times 10^{-4}\ T$	1030-1190		5	a
13.2-86.8	$d = 2.461 - 4.7 \times 10^{-4}\ T$	1030-1190		5	a
31.4-68.6	$d = 3.01 - 6.4 \times 10^{-4}\ T$	1030-1190		5	a
57.8-42.2	$d = 3.569 - 7.5 \times 10^{-4}\ T$	1030-1190		5	a
80.4-19.6	$d = 3.836 - 7.1 \times 10^{-4}\ T$	1030-1190		5	a
	$BaCl_2$-$NaCl$				
0-100	$d = 2.2259 - 6.4 \times 10^{-4}\ T$	1080-1120	(82)	5	a
11.0-89.0	$d = 2.1654 - 3.2 \times 10^{-4}\ T$	1050-1070		5	a
18.0-82.0	$d = 2.2436 - 2.4 \times 10^{-4}\ T$	1050-1070		5	a
19-81	$d = 2.6378 - 5.837 \times 10^{-4}\ T$	1060-1120		5	a
25.0-75.0	$d = 2.6709 - 4.68 \times 10^{-4}\ T$	1000-1070		5	a
26-74	$d = 2.5799 - 3.698 \times 10^{-4}\ T$	1060-1110		5	a
28.5-71.5	$d = 3.0067 - 7.2 \times 10^{-4}\ T$	1000-1070		5	a
32.0-68.0	$d = 2.9889 - 6.4 \times 10^{-4}\ T$	1000-1070		5	a
33-67	$d = 3.1909 - 8.15 \times 10^{-4}\ T$	990-1110		5	a
35.5-64.5	$d = 3.3008 - 8.84 \times 10^{-4}\ T$	1000-1070		5	a
39.0-61.0	$d = 3.2735 - 7.84 \times 10^{-4}\ T$	1000-1070		5	a
40-60	$d = 3.4208 - 9.123 \times 10^{-4}\ T$	990-1100		5	a
42.5-57.5	$d = 3.2956 - 7.44 \times 10^{-4}\ T$	1000-1070		5	a
46.0-54.0	$d = 3.7799 - 0.0011645\ T$	1000-1120		5	a
53.0-47.0	$d = 3.6532 - 9.586 \times 10^{-4}\ T$	1050-1120		5	a
60.0-40.0	$d = 3.6349 - 8.399 \times 10^{-4}\ T$	1050-1120		5	a
	$BaCl_2$-Na_3AlF_6				
25-75	$d = 3.3688 - 9.043 \times 10^{-4}\ T$	1200-1380		3	a
50-50	$d = 3.5384 - 9.053 \times 10^{-4}\ T$	1050-1380		3	a
75-25	$d = 3.7392 - 8.124 \times 10^{-4}\ T$	1140-1380		3	a
	$BaCl_2$-$PbCl_2$				
0-100	$d = 6.112 - 0.0015\ T$	940-980	(83)	5	a
13.8-86.2	$d = 5.799 - 0.00135\ T$	850-960		5	a
19.7-80.3	$d = 5.728 - 0.00136\ T$	840-970		5	a
30.6-69.4	$d = 5.503 - 0.00127\ T$	790-980		5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	$BaCl_2$-$ZnCl_2$				
50-50	$d = 3.6008 - 6.56 \times 10^{-4}$ T	880-970		5	a
	BaF_2				
100	$d = 5.775 - 9.99 \times 10^{-4}$ T	1600-2000	±3%	1	a
	BaF_2-CsF				
0-50 BaF_2	$d = 2.9 + 0.01123\ C + 2.008 \times 10^{-5}\ C^2 - 3.343 \times 10^{-7}\ C^3$	1573	(84)	10	a,g
	BaF_2-KCl				
0-100 BaF_2	$d = 1.199 + 0.03076\ C - 6.245 \times 10^{-5}\ C^2 + 3.029 \times 10^{-7}\ C^3$	1573	(85)	2	a,g
	BaF_2-KF				
0-100	$d = 3.063 - 9.301 \times 10^{-4}$ T	1473-1573	(86)	10	a,g
10-90	$d = 3.825 - 0.00119$ T	1473-1573		10	a,g
20-80	$d = 4.21 - 0.00122$ T	1473-1573		10	a,g
30-70	$d = 4.264 - 0.00105$ T	1473-1573		10	a,g
40-60	$d = 4.117 - 7.699 \times 10^{-4}$ T	1473-1573		10	a,g
50-50	$d = 4.08 - 5.9 \times 10^{-4}$ T	1473-1573		10	a,g
60-40	$d = 4.579 - 8. \times 10^{-4}$ T	1473-1573		10	a,g
	BaF_2-LiF				
0-67.1 BaF_2	$d = 1.583 + 0.0788\ C - 0.001376\ C^2 + 1.731 \times 10^{-5}\ C^3 - 1.058 \times 10^{-7}\ C^4$	1573	(87)	10	a,g
	BaF_2-NaF				
0.0-100.0	$d = 2.7571 - 6.2513 \times 10^{-4}$ T	1290-1390	(88)	10	a
16.5-83.5	$d = 3.3934 - 5.76 \times 10^{-4}$ T	1230-1430		10	a
33.2-66.8	$d = 3.9022 - 5.9959 \times 10^{-4}$ T	1250-1430		10	a
50.0-50.0	$d = 4.3643 - 6.2311 \times 10^{-4}$ T	1230-1450		10	a
	BaF_2-Na_3AlF_6				
0-100	$d = 3.3191 - 9.513 \times 10^{-4}$ T	1308-1395	(89)	3	a
12.9-87.1	$d = 3.6575 - 8.376 \times 10^{-4}$ T	1190-1450		3	a
27.1-72.9	$d = 4.2048 - 9.752 \times 10^{-4}$ T	1230-1390		3	a,e
42.8-57.2	$d = 3.9704 - 4.798 \times 10^{-4}$ T	1190-1390		3	a,e
For additional BaF_2 systems, see : $BaCl_2$-					
	BaI_2				
100	$d = 5.222 - 9.77 \times 10^{-4}$ T	1043-1248	±1.5%	1	a
	$Ba(NO_2)_2$				
100	$d = 3.639 - 7. \times 10^{-4}$ T	573-613	n.a.	1	a
	$Ba(NO_2)_2$-$Ba(NO_3)_2$				
89.1-10.9	$d = 3.6297 - 6.75 \times 10^{-4}$ T	575-610		7	a
95.0-5.0	$d = 3.6412 - 7. \times 10^{-4}$ T	575-610		7	a
100-0	$d = 3.6392 - 7. \times 10^{-4}$ T	575-610	(90)	7	a
	$Ba(NO_2)_2$-KNO_2				
14.3-85.7	(T=633.2 K, d=2.022)			7	a
17.7-82.3	$d = 2.555 - 7.495 \times 10^{-4}$ T	613-633		7	a
21.2-78.8	$d = 2.635 - 7.756 \times 10^{-4}$ T	593-633		7	a
25.0-75.0	$d = 2.6639 - 7.051 \times 10^{-4}$ T	553-633		7	a
29.0-71.0	$d = 2.833 - 8.699 \times 10^{-4}$ T	553-633		7	a
33.3-66.7	$d = 2.8823 - 8.356 \times 10^{-4}$ T	553-633		7	a
37.9-62.1	$d = 2.977 - 8.751 \times 10^{-4}$ T	553-633		7	a
42.9-57.1	$d = 2.9956 - 7.735 \times 10^{-4}$ T	553-633		7	a
48.2-51.8	$d = 3.1823 - 9.56 \times 10^{-4}$ T	593-633		7	a
53.8-46.2	$d = 3.066 - 6.251 \times 10^{-4}$ T	613-633		7	a,e
60.0-40.0	$d = 3.225 - 7.502 \times 10^{-4}$ T	613-633		7	a,e
66.7-33.3	$d = 3.374 - 8.504 \times 10^{-4}$ T	613-633		7	a,e
73.9-26.1	$d = 3.376 - 7.252 \times 10^{-4}$ T	613-633		7	a,e
81.8-18.2	$d = 3.421 - 6.501 \times 10^{-4}$ T	613-633		7	a,e
90.5-9.5	$d = 3.533 - 6.85 \times 10^{-4}$ T	553-633		7	a,e
100-0	$d = 3.6392 - 7. \times 10^{-4}$ T	553-613	(91)	7	a,e

Table 2.1.a Density data (continued)

(mol %)	Density ($g\ cm^{-3}$) Equation	T range(K)	Accur.	Ref.	Comment
	$Ba(NO_3)_2$-KNO_3				
0-100	$d = 2.3351 - 7.6 \times 10^{-4}\ T$	630-770	(92)	7	a,e
10-90	$d = 2.5229 - 7.84 \times 10^{-4}\ T$	630-770		7	a,e
20-80	$d = 2.6841 - 7.8 \times 10^{-4}\ T$	630-770		7	a,e
30-70	$d = 2.843 - 7.86 \times 10^{-4}\ T$	630-770		7	a,e
40-60	$d = 2.9965 - 8.1 \times 10^{-5}\ T$	680-770		7	a,e
50-50	$d = 3.0901 - 7.801 \times 10^{-4}\ T$	730-770		7	a,e
	$Ba(NO_3)_2$-$NaNO_3$				
0-100	$d = 2.3442 - 7.3066 \times 10^{-4}\ T$	600-720	(93)	7	a,e
5-95	$d = 2.4388 - 7.1154 \times 10^{-4}\ T$	580-710		7	a,e
6.7-93.3	$d = 2.4821 - 7.2457 \times 10^{-4}\ T$	590-720		7	a,e
10-90	$d = 2.5572 - 7.3941 \times 10^{-4}\ T$	620-720		7	a,e
15-85	$d = 2.6668 - 7.635 \times 10^{-4}\ T$	670-720		7	a,e
20-80	$d = 2.7783 - 8.0038 \times 10^{-4}\ T$	700-730		7	a,e
	$Ba(NO_3)_2$-$RbNO_3$				
0-100	$d = 3.1366 - 0.0010687\ T$	590-690	(94)	7	a,e
5-95	$d = 3.1748 - 0.00105898\ T$	570-690		7	a,e
10-90	$d = 3.2156 - 0.00105898\ T$	550-690		7	a,e
15-85	$d = 3.2565 - 0.00105898\ T$	550-680		7	a,e
For additional $Ba(NO_3)_2$ systems, see : $AgNO_3$- ; $Ba(NO_2)_2$-					
	BaO-CaF_2				
18.65-81.35	(T=1823 K, d=2.66)			3	a
	$Ba(PO_3)_2$				
100	$d = 3.7366 - 4.921 \times 10^{-4}\ T$	1170-1240	±3%	6	a
	$BeCl_2$				
100	$d = 2.276 - 0.0011\ T$	706-746	±2%	1	a
	$BeCl_2$-KCl				
20.4-79.6	$d = 2.122 - 5.9 \times 10^{-4}\ T$	933-1033		12	k
33.0-67.0	$d = 2.068 - 6. \times 10^{-4}\ T$	873-973		12	k
55.3-44.7	$d = 2.176 - 8.3 \times 10^{-4}\ T$	673-753		12	k
72.2-27.3	$d = 2.199 - 9. \times 10^{-4}\ T$	723-813		12	k
85.8-14.2	$d = 2.209 - 9.4 \times 10^{-4}\ T$	673-753		12	k
	$BeCl_2$-$NaCl$				
19.6-80.4	$d = 2.139 - 5.8 \times 10^{-4}\ T$	983-1043		12	k
37.2-62.8	$d = 2.228 - 7.4 \times 10^{-4}\ T$	703-793		12	k
48.0-52.0	$d = 2.175 - 7.6 \times 10^{-4}\ T$	623-693		12	k
60.3-39.7	$d = 2.158 - 8. \times 10^{-4}\ T$	573-623		12	k
70.2-29.8	$d = 2.145 - 8.3 \times 10^{-4}\ T$	623-683		12	k
	BeF_2				
100	$d = 1.972 - 1.45 \times 10^{-5}\ T$	1073-1123	±0.5%	10	a,e
	BeF_2-LiF				
34.0-66.0	$d = 2.413 - 4.88 \times 10^{-4}\ T$	800-1080		10	a
50.2-49.8	$d = 2.349 - 4.24 \times 10^{-4}\ T$	930-1130		10	a
74.9-25.1	$d = 2.158 - 2.39 \times 10^{-4}\ T$	860-1130		10	a
89.2-10.8	$d = 2.075 - 1.48 \times 10^{-4}\ T$	1020-1130		10	a
	BeF_2-LiF-ThF_4				
15-70-15	$d = 4.439 - 9.5 \times 10^{-4}\ T$	830-1010		3	a
18-70-12	$d = 4.044 - 8.05 \times 10^{-4}\ T$	800-1010		3	a
23.9-70.1-6.0	$d = 3.295 - 6.71 \times 10^{-4}\ T$	830-980		3	a
	BeF_2-LiF-UF_4-ZrF_4				
30.0-64.8-0.2-5.0	$d = 2.687 - 5.62 \times 10^{-4}\ T$	790-1030		3	a
	BeF_2-LiF-ZrF_4				
30.1-64.7-5.2	$d = 2.697 - 5.78 \times 10^{-4}\ T$	720-960		3	a

Table 2.1.a Density data (continued)

(mol %)	Equation — Density (g cm⁻³)	T range(K)	Accur.	Ref.	Comment
	BeF_2-NaF				
20-80	(T=1073 K, d=2.024)			10	a
24-76	(T=1073 K, d=2.018)			10	a
30-70	$d = 2.554 - 5.05 \times 10^{-4}\ T$	873-1073		10	a,e
33.3-66.7	$d = 2.447 - 3.85 \times 10^{-4}\ T$	873-1073		10	a,e
36-64	$d = 2.545 - 5. \times 10^{-4}\ T$	873-1073		10	a,e
40-60	$d = 2.576 - 5.301 \times 10^{-4}\ T$	873-1073		10	a,e
42-58	$d = 2.531 - 4.9 \times 10^{-4}\ T$	873-1073		10	a,e
47.1-52.9	$d = 2.383 - 3.25 \times 10^{-4}\ T$	873-1073		10	a,e
48-52	$d = 2.561 - 5.3 \times 10^{-4}\ T$	873-1073		10	a,e
50-50	$d = 2.511 - 5.05 \times 10^{-4}\ T$	873-1073		10	a,e
54-46	$d = 2.538 - 5.15 \times 10^{-4}\ T$	873-1073		10	a,e
60-40	$d = 2.54 - 5.2 \times 10^{-4}\ T$	873-1073		10	a,e
80-20	(T=1073 K, d=1.971)			10	a
	BeF_2-Na_3AlF_6				
100-55 Na_3AlF_6	$d = 1.4759 + 0.01192\ C - 5.8 \times 10^{-5}\ C^2$	1273	(95)	3	a
	BeF_2-RbF				
50-50	$d = 2.89 - 5. \times 10^{-4}\ T$	880-1060		10	a
	BeF_2-UF_4				
65-35	(T=1073.2 K, d=4.502)			10	a
	$BiBr_3$				
100	$d = 6.0594 - 0.002637\ T$	580-1200	±1%	4	a
	$BiCl_3$				
100	$d = 5.073 - 0.0023\ T$	523-623	±0.5%	1	a
For additional $BiCl_3$ systems, see : $AlCl_3$-					
	BiI_3				
100	$d = 6.186 - 0.0022\ T$	700-765	±1%	4	a
	$Bi_2(MoO_4)_3$				
100	$d = 6.2457 - 0.0010779\ T$	955-1030	±2%	6	a
	$Bi_2(MoO_4)_3$-$PbMoO_4$				
0-100	$d = 6.1477 - 6.77 \times 10^{-4}\ T$	1347-1401	(96)	6	a,b,e
19.6-80.4	$d = 6.0788 - 7.5 \times 10^{-4}\ T$	1288-1331		6	a
40-60	$d = 5.517 - 3.41 \times 10^{-4}\ T$	1113-1230		6	a
62.2-37.8	$d = 6.5207 - 0.0012682\ T$	1070-1110		6	a
71.5-28.5	$d = 6.4205 - 0.001201\ T$	1030-1050		6	a
78.7-21.3	$d = 6.1798 - 9.904 \times 10^{-4}\ T$	970-1110		6	a
90-10	$d = 6.2892 - 0.0011079\ T$	1030-1070		6	a
100-0	$d = 6.2457 - 0.0010779\ T$	950-1030	(97)	6	a
	Bi_2O_3-KPO_3				
100-97.3 KPO_3	$d = 33.054 - 0.3086\ C$	1123	(98)	3	a
	Bi_2O_3-$K_2B_4O_7$				
100-95.8 $K_2B_4O_7$	$d = 11.07 - 0.09082\ C$	1123	(99)	3	a
	Bi_2O_3-$NaPO_3$				
100-96.3 $NaPO_3$	$d = 37.169 - 3.5115\ C$	1123	(100)	3	a
	Bi_2O_3-$Na_2B_4O_7$				
100-96.3 $Na_2B_4O_7$	$d = 14.969 - 0.12875\ C$	1123	(101)	3	a
	Bi_2S_3				
100	$d = 7.237 - 9.72 \times 10^{-4}\ T$	1016-1136	n.a.	1	a
	$Bi_2(WO_4)_3$				
100	$d = 8.4886 - 0.0012713\ T$	1143-1275	±2.5%	6	a,e

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	$Bi_2(WO_4)_3$-$PbWO_4$				
0-100	$d = 7.8451 - 9.526 \times 10^{-4}$ T	1424-1504	(102)	6	a,e
20-80	d = 8.1537 - 0.0011474 T	1350-1390		6	a,e
40-60	d = 8.4896 - 0.0013651 T	1250-1310		6	a,e
60-40	d = 8.558 - 0.0014247 T	1150-1250		6	a,e
73-27	d = 8.7006 - 0.0014583 T	1170-1250		6	a,e
80-20	d = 8.8526 - 0.0016464 T	1130-1250		6	a,e
100-0	d = 8.4886 - 0.0012713 T	1143-1278	(103)	6	a,e
	B_2O_3				
100	$d = 1.8324 - 2.4718 \times 10^{-4}$ T	723-1300	±1.5%	1	a
100	$d = 1.6035 - 6.7737 \times 10^{-5}$ T	1300-1890	±1.5%	1	a
	B_2O_3-NaF				
87.6-12.4	$d = 2.053 - 3.1 \times 10^{-4}$ T	870-1070		3	a
92.35-7.65	$d = 1.933 - 2.55 \times 10^{-4}$ T	870-1070		3	a
97.31-2.69	$d = 1.799 - 2.05 \times 10^{-4}$ T	870-1070		3	a
100-0	(T=1073 K, d=1.548)		(104)	3	a
	B_2O_3-$Na_2B_4O_7$				
100-60 $Na_2B_4O_7$	$d = 1.946 + 0.00573\ C - 4.7 \times 10^{-5}\ C^2$	1223	(105)	3	a
	$CaBr_2$				
100	$d = 3.618 - 5. \times 10^{-4}$ T	1036-1064	±1.5%	1	a,c
	$CaCl_2$				
100	$d = 2.5261 - 4.225 \times 10^{-4}$ T	1060-1223	±0.5%	1	a,c
	$CaCl_2$-$CaMoO_4$				
9.0-0.0 $CaMoO_4$	d = 2.0257 + 0.01774 C	1073	(106)	3	a
	$CaCl_2$-CaO				
91.10-8.90	$d = 2.6143 - 4.592 \times 10^{-4}$ T	1100-1250		3	a
95.10-4.90	$d = 2.5615 - 4.414 \times 10^{-4}$ T	1070-1190		3	a
98.85-1.18	$d = 2.5025 - 4.151 \times 10^{-4}$ T	1100-1130		3	a
	$CaCl_2$-CsCl				
0.00-100.00	d = 4.375 - 0.0016514 T	1035-1156	(107)	5	a,c
12.20-87.80	d = 3.8243 - 0.0011758 T	1040-1130		5	a,c
25.00-75.00	$d = 1.635 + 6.731 \times 10^{-4}$ T	1120-1170		5	a,c
41.20-58.80	$d = 2.2372 + 2.13 \times 10^{-5}$ T	1270-1330		5	a,c
61.60-38.40	d = 3.8335 - 0.0012887 T	1290-1320		5	a,c
70.80-29.20	$d = 3.2884 - 9.285 \times 10^{-4}$ T	1250-1310		5	a,c
80.70-19.30	$d = 2.3585 - 2.236 \times 10^{-4}$ T	1190-1290		5	a,c
86.90-13.10	$d = 2.8162 - 6.441 \times 10^{-4}$ T	1070-1220		5	a,c
100.0-0.0	d = 3.2133 - 0.001023 T	1070-1190	(108)	5	a,c
	$CaCl_2$-$DyCl_3$				
0-100	$d = 4.256 - 6.8296 \times 10^{-4}$ T	1034-1273	(109)	13	k
19.6-80.4	$d = 4.017 - 6.1136 \times 10^{-4}$ T	1073-1273		13	k
32.6-67.4	$d = 4.011 - 7.0361 \times 10^{-4}$ T	1073-1273		13	k
48.4-51.6	$d = 3.643 - 7.0118 \times 10^{-4}$ T	993-1254		13	k
66.4-33.6	$d = 3.32 - 5.4332 \times 10^{-4}$ T	1053-1273		13	k
79.8-20.2	$d = 2.956 - 3.0067 \times 10^{-4}$ T	1053-1273		13	k
89.4-10.6	$d = 2.781 - 4.3738 \times 10^{-4}$ T	1073-1273		13	k
100-0	$d = 2.589 - 4.2447 \times 10^{-4}$ T	1098-1284	(110)	13	k
	$CaCl_2$-KCl				
0-100	$d = 2.1866 - 6.2556 \times 10^{-4}$ T	1080-1120	(111)	5	a
7.2-92.8	$d = 2.2231 - 6.1878 \times 10^{-4}$ T	1060-1130		5	a
16.2-83.8	$d = 2.254 - 6.0024 \times 10^{-4}$ T	1070-1170		5	a
28.2-71.8	$d = 2.265 - 5.5242 \times 10^{-4}$ T	1090-1170		5	a
50.1-49.9	$d = 2.3934 - 5.6284 \times 10^{-4}$ T	1080-1170		5	a
68.1-31.9	$d = 2.4067 - 4.8912 \times 10^{-4}$ T	1080-1170		5	a
77.7-22.3	$d = 2.3534 - 3.9512 \times 10^{-4}$ T	1090-1170		5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
100-0	$d = 2.4968 - 3.9594 \times 10^{-4}$ T	1070-1140	(112)	5	a
	$CaCl_2$-KCl-$MgCl_2$				
20-40-40	$d = 2.185 - 4.662 \times 10^{-4}$ T	1081-1173		14	k
20-20-60	$d = 2.29 - 5.114 \times 10^{-4}$ T	1082-1193		14	k
20-60-20	$d = 2.24 - 5.647 \times 10^{-4}$ T	1086-1219		14	k
40-40-20	$d = 2.281 - 4.821 \times 10^{-4}$ T	1078-1195		14	k
40-20-40	$d = 2.362 - 5.097 \times 10^{-4}$ T	1078-1200		14	k
60-20-20	$d = 2.4 - 4.749 \times 10^{-4}$ T	1095-1173		14	k
	$CaCl_2$-$LaCl_3$				
0-100	$d = 4.0742 - 7.436 \times 10^{-4}$ T	1173-1273	(113)	15	k
12.3-87.7	$d = 4.113 - 8.386 \times 10^{-4}$ T	1170-1273		15	k
25.2-74.8	$d = 3.9523 - 8.089 \times 10^{-4}$ T	1158-1273		15	k
37.9-62.1	$d = 3.7984 - 7.913 \times 10^{-4}$ T	1133-1273		15	k
50.0-50.0	$d = 3.4343 - 5.755 \times 10^{-4}$ T	1113-1273		15	k
61.9-38.1	$d = 3.5606 - 8.076 \times 10^{-4}$ T	1073-1273		15	k
75.0-25.0	$d = 4.0791 - 0.0014529$ T	1073-1271		15	k
88.0-12.0	$d = 2.85 - 5.152 \times 10^{-4}$ T	1103-1273		15	k
100-0	$d = 2.5377 - 4.167 \times 10^{-4}$ T	1124-1274	(114)	15	k
	$CaCl_2$-$LaCl_3$-NaCl				
0-100-0	$d = 4.0108 - 6.93 \times 10^{-4}$ T	1173-1273	(115)	15	k
3.5-85.8-10.7	$d = 3.9981 - 8.156 \times 10^{-4}$ T	1173-1278		15	k
7.25-85.5-7.25	$d = 3.9041 - 7.391 \times 10^{-4}$ T	1223-1263		15	k
7.3-70.9-21.8	$d = 3.8732 - 8.195 \times 10^{-4}$ T	1173-1275		15	k
10.4-58.5-31.1	$d = 3.7689 - 8.596 \times 10^{-4}$ T	1083-1272		15	k
11.25-85.0-3.75	$d = 4.0092 - 8.252 \times 10^{-4}$ T	1173-1273		15	k
14.35-42.6-43.05	$d = 3.4641 - 7.873 \times 10^{-4}$ T	1038-1276		15	k
15.1-69.8-15.1	$d = 3.6671 - 6.514 \times 10^{-4}$ T	1123-1273		15	k
18.0-28.1-53.9	$d = 3.1287 - 6.967 \times 10^{-4}$ T	1050-1274		15	k
21.6-13.6-64.8	$d = 2.7662 - 6.311 \times 10^{-4}$ T	1023-1273		15	k
22.5-70.0-7.5	$d = 3.7041 - 6.612 \times 10^{-4}$ T	1155-1273		15	k
25-0-75	$d = 2.3737 - 5.815 \times 10^{-4}$ T	1063-1273		15	k
25.2-49.6-25.2	$d = 3.4351 - 6.587 \times 10^{-4}$ T	1053-1223		15	k
32.5-35.0-32.5	$d = 3.2685 - 6.653 \times 10^{-4}$ T	1033-1283		15	k
33.19-55.75-11.06	$d = 3.6471 - 7.442 \times 10^{-4}$ T	1073-1273		15	k
40.25-19.5-40.25	$d = 2.8854 - 5.607 \times 10^{-4}$ T	1033-1248		15	k
43.7-41.7-14.6	$d = 3.4196 - 6.934 \times 10^{-4}$ T	1061-1273		15	k
44.8-10.4-44.8	$d = 2.6323 - 4.897 \times 10^{-4}$ T	1023-1223		15	k
50-0-50	$d = 2.4208 - 5.114 \times 10^{-4}$ T	1023-1273		15	k
54.5-27.3-18.2	$d = 3.2068 - 6.638 \times 10^{-4}$ T	1063-1275		15	k
64.8-13.6-21.6	$d = 2.8776 - 5.593 \times 10^{-4}$ T	1038-1272		15	k
75-0-25	$d = 2.4935 - 4.58 \times 10^{-4}$ T	1043-1278		15	k
	$CaCl_2$-LiCl				
0-100	$d = 1.8767 - 4.2 \times 10^{-4}$ T	903-1273	(116)	5	a,e
10-90	$d = 1.9945 - 4.3 \times 10^{-4}$ T	884-1273		5	a,e
20-80	$d = 2.0718 - 4.2 \times 10^{-4}$ T	859-1273		5	a,e
30-70	$d = 2.1411 - 4.1 \times 10^{-4}$ T	827-1273		5	a,e
40-60	$d = 2.2101 - 4.1 \times 10^{-4}$ T	798-1273		5	a,e
50-50	$d = 2.2633 - 4. \times 10^{-4}$ T	852-1273		5	a,e
60-40	$d = 2.3407 - 4.2 \times 10^{-4}$ T	892-1273		5	a,e
70-30	$d = 2.3703 - 4. \times 10^{-4}$ T	931-1273		5	a,e
80-20	$d = 2.4169 - 4. \times 10^{-4}$ T	982-1273		5	a,e
90-10	$d = 2.4186 - 3.9 \times 10^{-4}$ T	1029-1273		5	a,e
100-0	$d = 2.4852 - 3.9 \times 10^{-4}$ T	1075-1273	(117)	5	a,e
	$CaCl_2$-$MgCl_2$				
0.0-100.0	$d = 1.95 - 2.705 \times 10^{-4}$ T	1020-1090	(118)	5	a
19.4-80.6	$d = 2.4864 - 4.436 \times 10^{-4}$ T	1060-1130		5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
40.1-59.9	$d = 2.3796 - 4.093 \times 10^{-4}$ T	1070-1130		5	a
59.1-40.9	$d = 2.3656 - 4.571 \times 10^{-4}$ T	1090-1160		5	a
65.4-34.6	$d = 2.268 - 3.977 \times 10^{-4}$ T	1100-1180		5	a
67.9-32.1	$d = 2.2379 - 3.955 \times 10^{-4}$ T	1090-1170		5	a
86.7-13.3	$d = 2.1352 - 3.697 \times 10^{-4}$ T	1090-1160		5	a
100.0-0.0	$d = 2.4986 - 3.976 \times 10^{-4}$ T	1070-1140	(119)	5	a
	$CaCl_2$-$MgCl_2$-NaCl				
20-60-20	$d = 2.18 - 3.806 \times 10^{-4}$ T	1073-1173		14	k
20-40-40	$d = 2.175 - 4.03 \times 10^{-4}$ T	1087-1198		14	k
20-20-60	$d = 2.276 - 5.309 \times 10^{-4}$ T	1090-1188		14	k
40-20-40	$d = 2.299 - 4.387 \times 10^{-4}$ T	1079-1157		14	k
40-40-20	$d = 2.372 - 4.77 \times 10^{-4}$ T	1087-1205		14	k
60-20-20	$d = 2.363 - 4.002 \times 10^{-4}$ T	1106-1206		14	k
	$CaCl_2$-$MnCl_2$				
0-100	$d = 2.928 - 6.15 \times 10^{-4}$ T	940-1020	(120)	5	a
20-80	$d = 2.962 - 6.36 \times 10^{-4}$ T	930-1020		5	a
30-70	$d = 2.916 - 6.14 \times 10^{-4}$ T	950-1020		5	a
40-60	$d = 2.848 - 5.6 \times 10^{-4}$ T	930-1020		5	a
50-50	$d = 2.916 - 6.48 \times 10^{-4}$ T	920-1020		5	a
60-40	$d = 2.889 - 6.84 \times 10^{-4}$ T	880-1020		5	a
70-30	$d = 2.84 - 6.32 \times 10^{-4}$ T	960-1020		5	a
80-20	$d = 2.72 - 5.5 \times 10^{-4}$ T	990-1050		5	a
	$CaCl_2$-NaCl				
0-100	$d = 2.1319 - 5.297 \times 10^{-4}$ T	1090-1170	(121)	5	a,c
15.0-85.0	$d = 2.1305 - 4.546 \times 10^{-4}$ T	1090-1170		5	a,c
32.5-67.5	$d = 2.1791 - 4.006 \times 10^{-4}$ T	1090-1150		5	a,c
50.9-49.1	$d = 2.38 - 4.955 \times 10^{-4}$ T	1060-1160		5	a,c
64.1-35.9	$d = 2.4925 - 5.367 \times 10^{-4}$ T	1080-1170		5	a,c
77.5-22.5	$d = 2.4637 - 4.554 \times 10^{-4}$ T	1080-1170		5	a,c
80.2-19.8	$d = 2.4651 - 4.444 \times 10^{-4}$ T	1040-1120		5	a,c
100-0	$d = 2.4986 - 3.976 \times 10^{-4}$ T	1070-1140	(122)	5	a,c
	$CaCl_2$-$NdCl_3$				
15.5-84.5	$d = 4.038 - 7.37 \times 10^{-4}$ T	1013-1291		16	k
25.5-74.5	$d = 3.976 - 7.94 \times 10^{-4}$ T	1003-1284		16	k
39.2-60.8	$d = 3.751 - 7.01 \times 10^{-4}$ T	1006-1282		16	k
54.5-45.5	$d = 3.543 - 6.88 \times 10^{-4}$ T	1003-1297		16	k
72.8-27.2	$d = 3.224 - 6.23 \times 10^{-4}$ T	1003-1283		16	k
85.6-14.4	$d = 2.805 - 4.42 \times 10^{-4}$ T	1093-1276		16	k
100-0	$d = 2.588 - 4.24 \times 10^{-4}$ T	1098-1284	(123)	16	k
	$CaCl_2$-$PrCl_3$				
19.7-80.3	$d = 4.06 - 7.93 \times 10^{-4}$ T	1093-1273		16	k
33.2-66.8	$d = 3.909 - 8.2 \times 10^{-4}$ T	1073-1273		16	k
49.3-50.7	$d = 3.558 - 6.64 \times 10^{-4}$ T	1073-1273		16	k
64.8-35.2	$d = 3.303 - 5.86 \times 10^{-4}$ T	1073-1273		16	k
79.4-20.6	$d = 3.008 - 5.18 \times 10^{-4}$ T	1073-1273		16	k
90.3-9.7	$d = 2.772 - 4.87 \times 10^{-4}$ T	1073-1273		16	k
100-0	$d = 2.588 - 4.24 \times 10^{-4}$ T	1098-1284	(124)	16	k
	$CaCl_2$-RbCl				
0-100	$d = 3.084 - 8.5 \times 10^{-4}$ T	1008-1273	(125)	5	a,e
10-90	$d = 2.9062 - 7.1 \times 10^{-4}$ T	940-1273		5	a,e
20-80	$d = 2.8413 - 6.7 \times 10^{-4}$ T	976-1273		5	a,e
30-70	$d = 2.8188 - 6.6 \times 10^{-4}$ T	1085-1273		5	a,e
40-60	$d = 2.8233 - 6.7 \times 10^{-4}$ T	1137-1273		5	a,e
50-50	$d = 2.8183 - 6.7 \times 10^{-4}$ T	1148-1273		5	a,e
60-40	$d = 2.7579 - 6.2 \times 10^{-4}$ T	1134-1273		5	a,e
70-30	$d = 2.666 - 5.4 \times 10^{-4}$ T	1085-1273		5	a,e

Table 2.1.a Density data (continued)

(mol %)	Equation — Density (g cm^{-3})	T range(K)	Accur.	Ref.	Comment
80-20	$d = 2.6091 - 4.9 \times 10^{-4}$ T	1003-1273		5	a,e
90-10	$d = 2.5496 - 4.4 \times 10^{-4}$ T	1035-1273		5	a,e
100-0	$d = 2.4852 - 3.9 \times 10^{-4}$ T	1075-1273	(126)	5	a,e
	$CaCl_2$-$SrCl_2$				
0-100	$d = 3.2429 - 4.7002 \times 10^{-4}$ T	1170-1320	(127)	5	a,e
58.8-41.2	$d = 3.0117 - 5.8018 \times 10^{-4}$ T	1170-1320		5	a,e
100-0	$d = 2.4793 - 4. \times 10^{-4}$ T	1120-1270	(128)	5	a,e
	CaF_2				
100	$d = 3.179 - 3.91 \times 10^{-4}$ T	1640-2300	±5%	1	a
	CaF_2-CaO				
62.6-37.4	$d = 2.892 - 1.46 \times 10^{-4}$ T	1890-2010		3	a
74.2-25.8	$d = 2.874 - 1.55 \times 10^{-4}$ T	1830-2010		3	a
86.6-13.4	$d = 2.969 - 2.19 \times 10^{-4}$ T	1770-1950		3	a
100-0	$d = 3.0511 - 2.81 \times 10^{-4}$ T	1720-1970	(129)	3	a,b,e
	CaF_2-$CaSiO_3$				
100-85 $CaSiO_3$	$d = 1.1 + 0.00574$ C	1823	(130)	3	a
	CaF_2-LiF				
0.0-100.0	$d = 2.074 - 3.321 \times 10^{-4}$ T	1125-1350	(131)	10	a
7.0-93.0	$d = 2.12 - 2.621 \times 10^{-4}$ T	1125-1350		10	a
14.0-86.0	$d = 2.336 - 3.64 \times 10^{-4}$ T	1095-1350		10	a
20.0-80.0	$d = 2.453 - 3.704 \times 10^{-4}$ T	1080-1350		10	a
30.0-70.0	$d = 2.809 - 5.755 \times 10^{-4}$ T	1155-1350		10	a
	CaF_2-MgO				
9-91	$d = 6.034 - 0.00205$ T	1680-1820		3	a
	CaF_2-NaF				
0.0-100.0	$d = 2.7571 - 6.2513 \times 10^{-4}$ T	1290-1390	(132)	10	a
16.5-83.5	$d = 2.8803 - 6.038 \times 10^{-4}$ T	1210-1440		10	a
33.2-66.8	$d = 2.9258 - 5.4489 \times 10^{-4}$ T	1150-1430		10	a
50.0-50.0	$d = 3.0783 - 5.4195 \times 10^{-4}$ T	1330-1440		10	a
	CaF_2-$Na_2B_4O_7$				
85-54 $Na_2B_4O_7$	$d = 2.344 - 0.0065 C + 4.7 \times 10^{-5} C^2$	1223		3	a
	CaF_2-Na_3AlF_6				
0-100	$d = 3.2892 - 9.3797 \times 10^{-4}$ T	1273-1353	(133)	3	a
12.4-87.6	$d = 3.256 - 8.91 \times 10^{-4}$ T	1260-1340		3	a
23.0-77.0	$d = 3.265 - 8.7 \times 10^{-4}$ T	1260-1340		3	a
32.2-67.8	$d = 3.295 - 8.7 \times 10^{-4}$ T	1280-1360		3	a
40.2-59.8	$d = 3.289 - 8.4 \times 10^{-4}$ T	1260-1360		3	a
64.2-35.8	$d = 3.402 - 8.41 \times 10^{-4}$ T	1280-1360		3	a
	CaF_2-SiO_2				
64.3-35.7	(T=1823 K, d=2.18)			3	a
75.4-24.6	(T=1793 K, d=2.3)			3	a
87.3-12.7	(T=1773 K, d=2.2)			3	a
100-0	(T=1673 K, d=2.4)		(134)	3	a
	CaF_2-TiO_2				
80-20	$d = 5.54 - 0.00167$ T	1680-1800		3	a
90.2-9.8	(T=1800 K, d=2.54)			3	a
95-5	$d = 5.398 - 0.001595$ T	1680-1800		3	a
	CaF_2-V_2O_5				
93-7	$d = 8.4084 - 0.0032652$ T	1690-1810		3	a,b,e
98-2	$d = 9.563 - 0.00408$ T	1730-1810		3	a
	CaF_2-ZrO_2				
78.6-21.4	(T=1813 K, d=3.42)			3	a
86.3-13.7	(T=1793 K, d=3)			3	a
90.0-10.0	(T=1823 K, d=2.65)			3	a

Table 2.1.a Density data (continued)

(mol %)	Equation / Density (g cm⁻³)	T range(K)	Accur.	Ref.	Comment
93.5-6.5	(T=1753 K, d=2.7)			3	a
For additional CaF_2 systems, see : Al_2O_3- ; BaO-					
	CaI_2				
100	$d = 4.233 - 7.51 \times 10^{-4}$ T	1059-1301		1	a
	$CaMoO_4$				
For $CaMoO_4$ systems, see : $CaCl_2$-					
	$Ca(NO_3)_2$-$CsNO_3$				
0-100	d = 3.8531 - 0.0015303 T	690-720	(135)	7	a,e
5-95	d = 3.6916 - 0.0013607 T	670-700		7	a,e
10-90	d = 3.5736 - 0.0012513 T	650-690		7	a,e
15-85	d = 3.4679 - 0.0011577 T	620-680		7	a,e
20-80	d = 3.375 - 0.0010808 T	580-690		7	a,e
25-75	d = 3.3102 - 0.0010467 T	540-670		7	a,e
28.9-71.1	d = 3.2916 - 0.0010716 T	490-660		7	a,e
30-70	d = 3.2706 - 0.0010538 T	500-650		7	a,e
35-65	d = 3.1976 - 0.0010069 T	530-610		7	a,e
40-60	$d = 3.0787 - 8.737 \times 10^{-4}$ T	550-630		7	a,e
45-55	$d = 2.952 - 7.26 \times 10^{-4}$ T	560-650		7	a,e
	$Ca(NO_3)_2$-KNO_3				
0-100	$d = 2.3313 - 7.5455 \times 10^{-4}$ T	620-710	(136)	7	a
14.57-85.43	$d = 2.37 - 7.4667 \times 10^{-4}$ T	590-670		7	a
24.43-75.57	$d = 2.3875 - 7.2692 \times 10^{-4}$ T	550-670		7	a
32.28-67.72	$d = 2.4078 - 7.2895 \times 10^{-4}$ T	470-660		7	a
	$Ca(NO_3)_2$-KNO_3-$NaNO_3$				
11-67-22	$d = 2.357 - 7.38 \times 10^{-4}$ T	506-752		17	k
11-44.5-44.5	$d = 2.352 - 7.21 \times 10^{-4}$ T	509-746		17	k
11-22-67	$d = 2.343 - 7.03 \times 10^{-4}$ T	523-721		17	k
12-40-48	$d = 2.357 - 7.2 \times 10^{-4}$ T	573-673		17	k
12-19-69	$d = 2.352 - 7.1 \times 10^{-4}$ T	591-699		17	k
13-62-25	$d = 2.346 - 7.1 \times 10^{-4}$ T	573-673		17	k
20-59-21	$d = 2.399 - 7.595 \times 10^{-4}$ T	441-635		17	k
20-40-40	$d = 2.389 - 7.297 \times 10^{-4}$ T	478-729		17	k
22-36-42	$d = 2.351 - 6.6 \times 10^{-4}$ T	573-673		17	k
25-50-25	$d = 2.397 - 7.301 \times 10^{-4}$ T	441-757		17	k
25-25-50	$d = 2.367 - 6.673 \times 10^{-4}$ T	502-733		17	k
32-52-16	$d = 2.421 - 7.406 \times 10^{-4}$ T	423-699		17	k
43-28.5-28.5	$d = 2.396 - 6.346 \times 10^{-4}$ T	591-699		17	k
	$Ca(NO_3)_2$-$NaNO_3$				
0-100	$d = 2.3384 - 7.2198 \times 10^{-4}$ T	600-720	(137)	7	a
3.5-96.5	$d = 2.3475 - 7.2485 \times 10^{-4}$ T	590-680		7	a
8.0-92.0	$d = 2.3573 - 7.1727 \times 10^{-4}$ T	580-680		7	a
10.9-89.1	$d = 2.392 - 7.553 \times 10^{-4}$ T	570-670		7	a
16.2-83.8	$d = 2.4226 - 7.3297 \times 10^{-4}$ T	550-670		7	a
23.0-77.0	$d = 2.398 - 7.0703 \times 10^{-4}$ T	530-660		7	a
27.2-72.8	$d = 2.3956 - 6.8497 \times 10^{-4}$ T	530-640		7	a
33.1-66.9	$d = 2.4017 - 6.7378 \times 10^{-4}$ T	530-640		7	a
44.6-55.4	$d = 2.4269 - 6.7 \times 10^{-4}$ T	630-660		7	a
For additional $Ca(NO_3)_2$ systems, see : $AgNO_3$-					
	CaO-KOH-K_2CO_3				
5.1-92.9-2.0	$d = 2.0681 - 4.56 \times 10^{-4}$ T	680-860		3	a
8.5-89.5-2.0	$d = 2.0801 - 4.5 \times 10^{-4}$ T	680-860		3	a
	CaO-NaOH-Na_2CO_3				
1.6-96.3-2.1	$d = 2.107 - 5.001 \times 10^{-4}$ T	780-870		3	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	$CaO-SiO_2$				
60-45 SiO_2	d = 8.224 - 0.2322 C + 0.001708 C^2	1873		3	a
For additional CaO systems, see : $CaCl_2$- ; CaF_2-					
	$CaSiO_3$				
100	(T=1823 K, d=1.67)		±2%	3	a
	$CaSO_4-Na_2SO_4$				
0-100	d = 2.405 - 3.27 x 10^{-4} T	1240-1470	(138)	6	a
10-90	d = 2.51 - 3.66 x 10^{-4} T	1240-1470		6	a
20-80	d = 2.625 - 4.13 x 10^{-4} T	1240-1470		6	a
30-70	d = 2.695 - 4.3 x 10^{-4} T	1240-1470		6	a
40-60	d = 2.763 - 4.5 x 10^{-4} T	1240-1470		6	a
50-50	d = 2.808 - 5.53 x 10^{-4} T	1240-1470		6	a
55-45	d = 2.816 - 4.46 x 10^{-4} T	1240-1470		6	a
60-40	d = 2.823 - 4.4 x 10^{-4} T	1240-1470		6	a
	$CdBr_2$				
100	d = 4.9831 - 0.00108 T	853-993	±1.5%	1	a
	$CdBr_2-CdCl_2$				
0-100	d = 4.1 - 8.4 x 10^{-4} T	860-980	(139)	2	a
29.7-70.3	d = 4.384 - 9. x 10^{-4} T	860-950		2	a
45.6-54.4	d = 4.504 - 9.1 x 10^{-4} T	870-980		2	a
65.3-34.7	d = 4.644 - 9.3 x 10^{-4} T	880-970		2	a
100-0	d = 4.9831 - 0.00108 T	860-990	(140)	2	a
	$CdBr_2$-KBr				
20.0-80.0	d = 3.4395 - 9.2928 x 10^{-4} T	940-1170		4	a
25.5-74.5	d = 3.314 - 7.126 x 10^{-4} T	870-1120		4	a,e
30.3-69.7	d = 3.5369 - 8.574 x 10^{-4} T	890-1100		4	a,e
40.0-60.0	d = 3.694 - 8.407 x 10^{-4} T	780-1010		4	a,e
61.0-39.0	d = 4.0665 - 8.5782 x 10^{-4} T	920-1100		4	a
80.2-19.8	d = 4.5717 - 9.851 x 10^{-4} T	880-1030		4	a,e
100-0	d = 4.4627 - 5.3769 x 10^{-4} T	900-1060	(141)	4	a
	$CdBr_2$-KCl				
0-100	d = 2.07 - 5.4 x 10^{-4} T	1100-1320	(142)	2	a
20-80	d = 2.731 - 6.73 x 10^{-4} T	722-990		2	a
40-60	d = 3.294 - 7.91 x 10^{-4} T	988-1235		2	a
45.3-54.7	d = 3.404 - 6.7 x 10^{-4} T	820-940		2	a
60-40	d = 3.991 - 9.1 x 10^{-4} T	800-900		2	a
61.8-38.2	d = 4.559 - 0.00158 T	720-800		2	a
80.5-19.5	d = 4.88 - 0.00141 T	880-1080		2	a
100-0	d = 4.463 - 5.4 x 10^{-4} T	900-1060	(143)	2	a
	$CdBr_2$-NaBr				
0-60 NaBr	d = 4.038 - 0.007258 C - 5.155 x 10^{-5} C^2	873	(144)	4	k,a,n
	$CdBr_2$-TlBr				
10-100 $CdBr_2$	d = 5.6795 - 0.021769 C + 5.1895 x 10^{-5} C^2	873	(145)	4	a
	$CdBr_2-ZnBr_2$				
0-100	d = 4.08 - 9.05 x 10^{-4} T	690-860	(146)	4	a
10-90	d = 4.157 - 9.09 x 10^{-4} T	690-830		4	a
20-80	d = 4.209 - 8.81 x 10^{-4} T	700-730		4	a
30-70	d = 4.287 - 8.84 x 10^{-4} T	720-830		4	a
50-50	d = 4.403 - 8.46 x 10^{-4} T	820-940		4	a
60-40	d = 4.47 - 8.43 x 10^{-4} T	820-930		4	a
70-30	d = 4.571 - 8.7 x 10^{-4} T	830-930		4	a
80-20	d = 4.645 - 8.72 x 10^{-4} T	860-930		4	a
90-10	d = 4.747 - 9. x 10^{-4} T	860-930		4	a
100-0	d = 4.834 - 9.15 x 10^{-4} T	870-950	(147)	4	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	$CdBr_2$-$ZnCl_2$				
0-100	d = 2.822 - 5.06 x 10^{-4} T	630-770	(148)	2	a
10-90	d = 3.049 - 5.3 x 10^{-4} T	760-890		2	a
20-80	d = 3.29 - 5.9 x 10^{-4} T	770-900		2	a
30-70	d = 3.514 - 6.46 x 10^{-4} T	770-910		2	a
40-60	d = 3.71 - 6.7 x 10^{-4} T	780-920		2	a
50-50	d = 3.921 - 7.18 x 10^{-4} T	820-910		2	a
60-40	d = 4.093 - 7.38 x 10^{-4} T	820-900		2	a
70-30	d = 4.29 - 7.86 x 10^{-4} T	830-900		2	a
80-20	d = 4.482 - 8.42 x 10^{-4} T	840-900		2	a
90-10	d = 4.668 - 8.96 x 10^{-4} T	840-930		2	a
100-0	d = 4.834 - 9.15 x 10^{-4} T	870-950	(149)	2	a
	$CdCl_2$				
100	d = 4.078 - 8.2 x 10^{-4} T	840-1080	±0.5%	1	a
	$CdCl_2$-CdI_2				
0.0-100.0	d = 5.133 - 0.001117 T	670-970	(150)	2	a
25.0-75.0	d = 4.928 - 0.00106 T	650-970		2	a
50.0-50.0	d = 4.607 - 8.8 x 10^{-4} T	700-970		2	a
75.0-25.0	d = 4.425 - 8.7 x 10^{-4} T	780-970		2	a
100.0-0.0	d = 4.058 - 8. x 10^{-4} T	860-970	(151)	2	a
	$CdCl_2$-CsCl				
0.0-100.0	d = 3.718 - 0.001024 T	980-1110	(152)	5	a
13.2-86.8	d = 3.783 - 0.001034 T	920-1090		5	a
30.2-69.8	d = 3.707 - 9.46 x 10^{-4} T	920-1070		5	a
46.7-53.3	d = 3.824 - 0.001002 T	940-1070		5	a
61.1-38.9	d = 3.949 - 0.001012 T	920-1090		5	a
74.3-25.7	d = 4.083 - 0.001053 T	900-1070		5	a
82.4-17.6	d = 4.156 - 0.001052 T	880-1080		5	a
100.0-0.0	d = 4.059 - 8. x 10^{-4} T	920-1070	(153)	5	a
	$CdCl_2$-KBr				
0.0-100.0	d = 2.908 - 8. x 10^{-4} T	1080-1260	(154)	2	a
9.7-90.3	d = 3.082 - 8.5 x 10^{-4} T	1040-1260		2	a
19.7-80.3	d = 2.991 - 7.1 x 10^{-4} T	1000-1220		2	a
29.9-70.1	d = 3.175 - 7.9 x 10^{-4} T	940-1220		2	a
39.6-60.4	d = 3.421 - 9.2 x 10^{-4} T	740-980		2	a
51.5-48.5	d = 3.562 - 9.7 x 10^{-4} T	680-980		2	a
55.4-44.6	d = 3.721 - 0.00102 T	760-960		2	a
63.8-36.2	d = 3.834 - 9.7 x 10^{-4} T	800-1040		2	a
81.2-18.8	d = 3.953 - 9.4 x 10^{-4} T	800-960		2	a
89.6-10.4	d = 4.025 - 8.8 x 10^{-4} T	840-980		2	a
100.0-0.0	d = 4.058 - 8. x 10^{-4} T	860-980	(155)	2	a
	$CdCl_2$-KCl				
24.8-75.2	d = 2.692 - 7.2 x 10^{-4} T	880-1020		5	a
40.0-60.0	d = 3.015 - 8.2 x 10^{-4} T	740-950		5	a
59.2-40.8	d = 3.438 - 9.5 x 10^{-4} T	740-950		5	a
83.1-16.9	d = 3.887 - 9.6 x 10^{-4} T	810-970		5	a
100-0	d = 4.099 - 8.4 x 10^{-4} T	860-990	(156)	5	a
	$CdCl_2$-LiCl				
0-100	d = 1.835 - 3.82 x 10^{-4} T	900-1020	(157)	5	a
25.0-75.0	d = 2.73 - 5.77 x 10^{-4} T	850-1020		5	a
50.0-50.0	d = 3.476 - 8.45 x 10^{-4} T	810-1020		5	a
75.0-25.0	d = 3.818 - 8.25 x 10^{-4} T	800-1020		5	a
100-0	d = 4.078 - 8.2 x 10^{-4} T	840-1080	(158)	5	a
	$CdCl_2$-NaCl				
34.3-65.7	d = 3.123 - 8.2 x 10^{-4} T	860-960		5	a
44.3-55.7	d = 3.325 - 8.6 x 10^{-4} T	780-960		5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
55.5-44.5	$d = 3.566 - 9.2 \times 10^{-4}\ T$	850-950		5	a
64.8-35.2	$d = 3.827 - 0.00104\ T$	820-950		5	a
77.8-22.2	$d = 3.937 - 9.5 \times 10^{-4}\ T$	860-970		5	a
100-0	$d = 4.099 - 8.4 \times 10^{-4}\ T$	860-1080	(159)	5	a
	$CdCl_2$-$PbCl_2$				
0-100	$d = 6.112 - 0.0015\ T$	790-980	(160)	5	a
20.6-79.4	$d = 5.793 - 0.00143\ T$	820-950		5	a
32.8-67.2	$d = 5.602 - 0.00139\ T$	760-950		5	a
58.2-41.8	$d = 5.048 - 0.00118\ T$	790-970		5	a
79.9-20.1	$d = 4.584 - 0.00102\ T$	820-950		5	a
100-0	$d = 4.078 - 8.2 \times 10^{-4}\ T$	840-1080	(161)	5	a
	$CdCl_2$-$RbCl$				
0.0-100.0	$d = 3.092 - 8.52 \times 10^{-4}\ T$	995-1175	(162)	5	a
10.3-89.7	$d = 3.177 - 8.47 \times 10^{-4}\ T$	1010-1175		5	a
22.6-77.4	$d = 3.243 - 8.55 \times 10^{-4}\ T$	935-1085		5	a
37.7-62.3	$d = 3.367 - 8.53 \times 10^{-4}\ T$	905-1025		5	a
48.8-51.2	$d = 3.526 - 8.9 \times 10^{-4}\ T$	875-1055		5	a
60.1-39.9	$d = 3.754 - 9.91 \times 10^{-4}\ T$	860-1040		5	a
74.4-25.6	$d = 3.915 - 9.37 \times 10^{-4}\ T$	890-1070		5	a
100.0-0.0	$d = 4.059 - 8. \times 10^{-4}\ T$	920-1070	(163)	5	a
	$CdCl_2$-$TlCl$				
0-100	$d = 6.802 - 0.001682\ T$	730-780	(164)	5	a
10-90	$d = 6.548 - 0.001742\ T$	720-770		5	a
20-80	$d = 6.259 - 0.001721\ T$	720-770		5	a
30-70	$d = 5.931 - 0.001607\ T$	720-770		5	a
40-60	$d = 5.593 - 0.001437\ T$	720-770		5	a
50-50	$d = 5.398 - 0.001418\ T$	720-770		5	a
60-40	$d = 5.18 - 0.00136\ T$	720-770		5	a
70-30	$d = 4.922 - 0.001243\ T$	730-780		5	a
80-20	$d = 4.661 - 0.001122\ T$	790-820		5	a
100-0	$d = 4.098 - 8.4 \times 10^{-4}\ T$	880-960	(165)	5	a
	$CdCl_2$-$ZnBr_2$				
0-100	$d = 4.08 - 9.05 \times 10^{-4}\ T$	690-860	(166)	2	a
10-90	$d = 4.067 - 8.9 \times 10^{-4}\ T$	820-910		2	a
20-80	$d = 4.016 - 8.33 \times 10^{-4}\ T$	820-920		2	a
30-70	$d = 3.967 - 7.77 \times 10^{-4}\ T$	820-910		2	a
40-60	$d = 3.926 - 7.3 \times 10^{-4}\ T$	800-910		2	a
50-50	$d = 3.92 - 7.15 \times 10^{-4}\ T$	790-900		2	a
60-40	$d = 3.927 - 7.14 \times 10^{-4}\ T$	820-920		2	a
70-30	$d = 3.942 - 7.18 \times 10^{-4}\ T$	820-920		2	a
80-20	$d = 3.969 - 7.34 \times 10^{-4}\ T$	820-910		2	a
90-10	$d = 4.004 - 7.54 \times 10^{-4}\ T$	820-910		2	a
100-0	$d = 4.098 - 8.4 \times 10^{-4}\ T$	880-960	(167)	2	a
	$CdCl_2$-$ZnCl_2$				
0-100	$d = 2.822 - 5.06 \times 10^{-4}\ T$	630-760	(168)	5	a
10-90	$d = 2.916 - 4.96 \times 10^{-4}\ T$	650-840		5	a,f
20-80	$d = 2.997 - 5.06 \times 10^{-4}\ T$	700-840		5	a
30-70	$d = 3.135 - 5.35 \times 10^{-4}\ T$	730-840		5	a
40-60	$d = 3.263 - 5.7 \times 10^{-4}\ T$	780-890		5	a
50-50	$d = 3.388 - 6. \times 10^{-4}\ T$	800-880		5	a
60-40	$d = 3.516 - 6.4 \times 10^{-4}\ T$	850-920		5	a
70-30	$d = 3.643 - 6.7 \times 10^{-4}\ T$	850-920		5	a
80-20	$d = 3.785 - 7.2 \times 10^{-4}\ T$	860-920		5	a
90-10	$d = 3.92 - 7.57 \times 10^{-4}\ T$	860-920		5	a
100-0	$d = 4.098 - 8.4 \times 10^{-4}\ T$	880-960	(169)	5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
For additional $CdCl_2$ systems, see : $BaCl_2$- ; $CdBr_2$-					
	CdI_2				
100	d = 5.133 - 0.001117 T	673-973	±1%	1	a
	CdI_2-CsI				
0-100	d = 4.2631 - 0.0011824 T	930-1040	(170)	4	a
21.5-78.5	d = 4.4331 - 0.0012026 T	880-1020		4	a
41.5-58.5	d = 4.6243 - 0.0012543 T	750-1000		4	a
60.7-39.3	d = 4.8803 - 0.0013478 T	830-980		4	a
84.4-15.6	d = 5.0443 - 0.0013043 T	760-960		4	a
100-0	d = 5.078 - 0.0010668 T	770-950	(171)	4	a
	CdI_2-KI				
0-100	d = 3.37 - 9.6 x 10^{-4} T	970-1070	(172)	4	a
15.0-85.0	d = 3.767 - 0.001092 T	890-1070		4	a
33.3-66.7	d = 4.074 - 0.001115 T	690-1070		4	a
50.0-50.0	d = 4.454 - 0.001222 T	490-970		4	a
66.7-33.3	d = 4.784 - 0.001291 T	610-970		4	a
85.0-15.0	d = 4.965 - 0.00117 T	650-970		4	a
100.0-0.0	d = 5.133 - 0.001117 T	670-970	(173)	4	a
	CdI_2-NaI				
42.0-58.0	d = 4.4989 - 0.0011834 T	800-920		4	a
75.7-24.3	d = 4.9069 - 0.0011052 T	660-850		4	a
100-0	d = 5.078 - 0.0010668 T	770-950	(174)	4	a
For additional CdI_2 systems, see : $CdCl_2$-					
	$Cd(NO_3)_2$-KNO_3				
25-75	d = 2.6569 - 9.3947 x 10^{-4} T	560-570		7	a,e
30-70	d = 2.6994 - 9.3947 x 10^{-4} T	535-570		7	a,e
35-65	d = 2.7439 - 9.3947 x 10^{-4} T	495-570		7	a,e
40-60	d = 2.7909 - 9.3947 x 10^{-4} T	480-570		7	a,e
45-55	d = 2.8407 - 9.3947 x 10^{-4} T	475-570		7	a,e
45.5-54.5	d = 2.8458 - 9.3947 x 10^{-4} T	475-570		7	a,e
50-50	d = 2.8936 - 9.3947 x 10^{-4} T	475-570		7	a,e
55-45	d = 2.95 - 9.3947 x 10^{-4} T	475-570		7	a,e
60-40	d = 3.0103 - 9.3947 x 10^{-4} T	465-570		7	a,e
65-35	d = 3.0748 - 9.3947 x 10^{-4} T	480-570		7	a,e
70-30	d = 3.1437 - 9.3947 x 10^{-4} T	535-570		7	a,e
For additional $Cd(NO_3)_2$ systems, see : $AgNO_3$-					
	$Cd(PO_3)_2$				
100	d = 3.4974 - 1.865 x 10^{-4} T	1200-1260	±3%	6	a
	$CeCl_3$				
100	d = 4.248 - 9.2 x 10^{-4} T	1123-1223	±1%	1	a
	$CeCl_3$-KCl				
10-90	d = 2.574 - 6.95 x 10^{-4} T	1075-1170		5	a
20-80	d = 2.868 - 6.99 x 10^{-4} T	1075-1170		5	a
25-75	d = 3.062 - 7.59 x 10^{-4} T	1075-1170		5	a
40-60	d = 3.306 - 7.72 x 10^{-4} T	1075-1170		5	a
55-45	d = 3.521 - 7.85 x 10^{-4} T	1075-1170		5	a
70-30	d = 3.829 - 8.85 x 10^{-4} T	1075-1170		5	a
85-15	d = 4.016 - 8.86 x 10^{-4} T	1075-1170		5	a
100-0	d = 4.336 - 0.001 T	1095-1170	(175)	5	a
	$CeCl_3$-KCl*NaCl				
2.9-97.1	d = 2.3846 - 7.1999 x 10^{-4} T	973-1123	(176)	18	z,k
6.3-93.7	d = 2.5838 - 8.6 x 10^{-4} T	973-1123		18	k
15.2-84.8	d = 2.8042 - 9.2 x 10^{-4} T	973-1123		18	k

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	CeF_3				
100	d = 6.253 - 9.36 x 10^{-4} T	1700-2200	±3%	1	a
	CeF_3-KF				
0.0-100.0	d = 2.555 - 6.241 x 10^{-4} T	1140-1350	(177)	10	a
10.0-90.0	d = 2.975 - 6.678 x 10^{-4} T	1080-1350		10	a
20.0-80.0	d = 3.333 - 7.052 x 10^{-4} T	1065-1350		10	a
30.0-70.0	d = 3.68 - 7.171 x 10^{-4} T	1050-1350		10	a
40.0-60.0	d = 3.82 - 5.617 x 10^{-4} T	1185-1350		10	a
	CeF_3-LiF				
0.0-100.0	d = 2.074 - 3.321 x 10^{-4} T	1125-1350	(178)	10	a
12.0-88.0	d = 3.286 - 6.235 x 10^{-4} T	1095-1350		10	a
19.0-81.0	d = 3.837 - 7.091 x 10^{-4} T	1095-1350		10	a
24.0-76.0	d = 4.161 - 7.484 x 10^{-4} T	1155-1350		10	a
30.0-70.0	d = 4.061 - 5.133 x 10^{-4} T	1200-1350		10	a
	CeF_3-NaF				
0.0-100.0	d = 2.682 - 6.151 x 10^{-4} T	1275-1350	(179)	10	a
10.0-90.0	d = 3.207 - 6.35 x 10^{-4} T	1215-1350		10	a
20.0-80.0	d = 3.67 - 6.478 x 10^{-4} T	1110-1350		10	a
28.0-72.0	d = 3.999 - 6.512 x 10^{-4} T	1080-1350		10	a,k
30.0-70.0	d = 4.063 - 6.42 x 10^{-4} T	1080-1350		10	a
40.0-60.0	d = 4.486 - 7.249 x 10^{-4} T	1185-1350		10	a
	$CoBr_2$-KNO_3				
.003-99.997	d = 2.3284 - 7.502 x 10^{-4} T	670-700		3	a
.005-99.995	d = 2.3284 - 7.502 x 10^{-4} T	670-700		3	a
.014-99.986	d = 2.3294 - 7.502 x 10^{-4} T	670-700		3	a
.027-99.973	d = 2.3311 - 7.502 x 10^{-4} T	670-700		3	a
	$Co(PO_3)_2$				
100	d = 2.9505 - 1.341 x 10^{-4} T	1395-1470	±3%	6	a
	Co_4S_3				
100	d = 4.3 - 1. x 10^{-6} T	1473-1523	n.a.	6	a,e
	Co_4S_3-Cu_2S				
100-0 Cu_2S	d = 4.2179 + 0.011803 C + 2.0527 x 10^{-6} C^2	1473	(180)	6	a,b,n
	Co_4S_3-FeS				
0-100 FeS	d = 4.2922 + 0.029749 C - 3.5985 x 10^{-4} C^2 + 1.4328 x 10^{-7} C^3	1523	(181)	6	a,b,n
	Co_4S_3-Ni_3S_2				
100-0 Ni_3S_2	d = 4.3049 + 0.0196 C + 5.2086 x 10^{-5} C^2 - 1.5998 x 10^{-6} C^3	1523	(182)	6	a,b,n
	$CsBF_4$				
100	d = 3.477 - 0.00119 T	840-990	±1%	6	a
	CsBr				
100	d = 4.2449 - 0.0012234 T	910-1133	±0.5%	1	a
	CsBr-CsCl				
0-100	d = 3.7987 - 0.0010849 T	940-1080	(183)	2	a
25-75	d = 3.9488 - 0.0011506 T	960-1120		2	a
50-50	d = 4.0482 - 0.0011692 T	940-1070		2	a
75-25	d = 4.1283 - 0.0011755 T	940-1070		2	a
100-0	d = 4.2236 - 0.0011952 T	940-1090	(184)	2	a
	CsBr-CsF				
0-100	d = 4.8135 - 0.0012105 T	930-1070	(185)	2	a
12-88	d = 4.8084 - 0.0013137 T	930-1070		2	a
25-75	d = 4.6676 - 0.0012885 T	930-1070		2	a
37-63	d = 4.5614 - 0.0012711 T	930-1070		2	a
50-50	d = 4.4914 - 0.0012749 T	930-1070		2	a
63-37	d = 4.4032 - 0.0012488 T	930-1070		2	a
75-25	d = 4.3567 - 0.0012476 T	930-1070		2	a
88-12	d = 4.3178 - 0.0012517 T	930-1070		2	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
100-0	d = 4.2716 - 0.0012468 T	930-1070	(186)	2	a
	CsBr-CsI				
0-100	d = 4.3345 - 0.0012568 T	950-1080	(187)	2	a
25-75	d = 4.313 - 0.0012501 T	960-1130		2	a
50-50	d = 4.2817 - 0.0012303 T	960-1130		2	a
75-25	d = 4.2811 - 0.0012334 T	950-1130		2	a
100-0	d = 4.2236 - 0.0011952 T	940-1080	(188)	2	a
	CsBr-KBr				
50-50	d = 3.624 - 0.001009 T	980-1110		4	a
	CsBr-KCl				
50-50	d = 3.3597 - 9.408 x 10^{-4} T	940-1100		2	a
0-100 CsBr	d = 1.449 + 0.01179 C	1073	(189)	2	a,n
	CsBr-LiBr				
0-100 LiBr	d = 2.9385 - 0.0027181 C - 2.8117 x 10^{-5} C^2	1073	(190)	4	a
	CsBr-NaCl				
0-100 CsBr	d = 1.562 + 0.02526 C - 2.034 x 10^{-4} C^2 + 1.453 x 10^{-6} C^3 - 5.51 x 10^{-9} C^4	1073	(191)	2	a,n
For additional CsBr systems, see : AgBr-					
	CsCl				
100	d = 3.7692 - 0.001065 T	945-1179	±1.5%	1	a,c
	CsCl-CsF				
0-100	d = 4.8135 - 0.0012105 T	930-1070	(192)	2	a
12-88	d = 4.7942 - 0.0013456 T	930-1070		2	a
25-75	d = 4.6394 - 0.0013283 T	930-1070		2	a
37-63	d = 4.3801 - 0.0012054 T	930-1070		2	a
50-50	d = 4.2382 - 0.0011803 T	930-1070		2	a
63-37	d = 4.1302 - 0.0011778 T	930-1070		2	a
75-25	d = 3.9361 - 0.001077 T	930-1070		2	a
88-12	d = 3.8766 - 0.0010959 T	930-1070		2	a
100-0	d = 3.7693 - 0.0010536 T	930-1070	(193)	2	a
	CsCl-CsI				
0-100	d = 4.3345 - 0.0012568 T	950-1080	(194)	2	a
25-75	d = 4.2279 - 0.0012283 T	940-1120		2	a
50-50	d = 4.1068 - 0.0011823 T	970-1120		2	a
75-25	d = 3.9872 - 0.001167 T	970-1130		2	a
100-0	d = 3.7987 - 0.0010849 T	940-1080	(195)	2	a
	CsCl-KBr				
0-100 KBr	d = 2.633 - 0.005799 C + 2.448 x 10^{-5} C^2	1073	(196)	2	a
	CsCl-KCl				
0-100	d = 2.1089 - 5.583 x 10^{-4} T	1060-1210	(197)	5	a,b,e
25-75	d = 2.6582 - 7.654 x 10^{-4} T	1030-1140		5	a,b,e
50-50	d = 3.0844 - 8.84 x 10^{-4} T	1000-1140		5	a,b,e
75-25	d = 3.4567 - 9.898 x 10^{-4} T	970-1140		5	a,b,e
100-0	d = 3.7987 - 0.0010849 T	940-1090	(198)	5	a,b,e
	CsCl-KI				
0-100 CsCl	d = 2.319 + 0.002196 C - 1.196 x 10^{-5} C^2 + 1.978 x 10^{-7} C^3	1073	(199)	2	a
	CsCl-$LaCl_3$				
5.1-94.9	d = 3.707 - 5.5 x 10^{-4} T	1140-1230		5	a,c
10.3-89.7	d = 3.75 - 6.38 x 10^{-4} T	1140-1200		5	a,c
22.0-78.0	d = 3.696 - 6.84 x 10^{-4} T	1130-1220		5	a,c
35.0-65.0	d = 3.679 - 7.52 x 10^{-4} T	1080-1170		5	a,c
47.7-52.3	d = 3.707 - 8.3 x 10^{-4} T	1090-1170		5	a,c
60.2-39.8	d = 3.708 - 8.75 x 10^{-4} T	1060-1180		5	a,c
73.5-26.5	d = 3.74 - 9.41 x 10^{-4} T	1050-1160		5	a,c
87.3-12.7	d = 3.782 - 0.001015 T	1020-1160		5	a,c
100-0	d = 3.7808 - 0.0010474 T	920-1070	(200)	5	a,c

Table 2.1.a Density data (continued)

(mol %)	Density ($g\ cm^{-3}$) Equation	T range(K)	Accur.	Ref.	Comment
	$CsCl-LiCl$				
0-100	$d = 1.8965 - 4.458 \times 10^{-4}\ T$	880-1070	(201)	5	a
1.73-98.27	$d = 1.9574 - 4.672 \times 10^{-4}\ T$	880-1070		5	a
17.33-82.67	$d = 2.4174 - 6.285 \times 10^{-4}\ T$	880-1070		5	a
30-70	$d = 2.747 - 7.304 \times 10^{-4}\ T$	880-1070		5	a
45-55	$d = 3.0975 - 8.69 \times 10^{-4}\ T$	880-1070		5	a
53-47	$d = 3.2408 - 9.253 \times 10^{-4}\ T$	880-1070		5	a
60-40	$d = 3.3352 - 9.427 \times 10^{-4}\ T$	880-1070		5	a
75-25	$d = 3.5147 - 9.754 \times 10^{-4}\ T$	880-1070		5	a
90-10	$d = 3.697 - 0.0010474\ T$	880-1070		5	a
100-0	$d = 3.7808 - 0.0010474\ T$	920-1070	(202)	5	a
	$CsCl-MgCl_2$				
0.0-100.0	$d = 1.95 - 2.712 \times 10^{-4}\ T$	1020-1090	(203)	5	a
65.5-34.5	$d = 2.954 - 7.22 \times 10^{-4}\ T$	980-1070		5	a
66.7-33.3	$d = 3.032 - 7.777 \times 10^{-4}\ T$	980-1080		5	a
69.3-30.7	$d = 3.001 - 7.3 \times 10^{-4}\ T$	950-1070		5	a
100.0-0.0	$d = 3.829 - 0.0011234\ T$	950-1070	(204)	5	a
	$CsCl-MnCl_2$				
0-100	$d = 2.928 - 6.15 \times 10^{-4}\ T$	940-1020	(205)	5	a
10-90	$d = 2.969 - 5.8 \times 10^{-4}\ T$	910-970		5	a
20-80	$d = 3.167 - 7.73 \times 10^{-4}\ T$	910-970		5	a
30-70	$d = 3.204 - 8.09 \times 10^{-4}\ T$	880-970		5	a
40-60	$d = 3.212 - 8.15 \times 10^{-4}\ T$	880-970		5	a
50-50	$d = 3.24 - 8.35 \times 10^{-4}\ T$	900-970		5	a
60-40	$d = 3.202 - 7.73 \times 10^{-4}\ T$	880-970		5	a
70-30	$d = 3.271 - 7.95 \times 10^{-4}\ T$	860-970		5	a
80-20	$d = 3.473 - 9.26 \times 10^{-4}\ T$	820-970		5	a
90-10	$d = 3.576 - 9.49 \times 10^{-4}\ T$	940-1000		5	a
100-0	$d = 3.731 - 0.001023\ T$	930-990	(206)	5	a
	$CsCl-NaBr$				
0-100 NaBr	$d = 2.632 - 0.002292\ C - 1.235 \times 10^{-5}\ C^2$	1073	(207)	2	a
	$CsCl-NaCl$				
0-100	$d = 2.139 - 5.444 \times 10^{-4}\ T$	1090-1170	(208)	5	a
25-75	$d = 2.7526 - 7.616 \times 10^{-4}\ T$	1030-1140		5	a
50-50	$d = 3.2194 - 9.41 \times 10^{-4}\ T$	1010-1140		5	a
75-25	$d = 3.4953 - 9.853 \times 10^{-4}\ T$	1000-1140		5	a
100-0	$d = 3.7987 - 0.0010849\ T$	940-1090	(209)	5	a
	$CsCl-PbCl_2$				
0.0-100.0	$d = 6.089 - 0.001477\ T$	920-1060	(210)	5	a
23.6-76.4	$d = 5.423 - 0.001382\ T$	910-1070		5	a
45.2-54.8	$d = 4.921 - 0.001338\ T$	950-1070		5	a
65.0-35.0	$d = 4.459 - 0.00121\ T$	940-1070		5	a
74.1-25.9	$d = 4.337 - 0.001223\ T$	940-1070		5	a
83.2-16.8	$d = 4.217 - 0.00123\ T$	930-1030		5	a
100.0-0.0	$d = 3.718 - 0.001024\ T$	980-1110	(211)	5	a
	$CsCl-RbCl$				
0-100	$d = 3.0863 - 8.514 \times 10^{-4}\ T$	1020-1230	(212)	5	a
25-75	$d = 3.2733 - 9.131 \times 10^{-4}\ T$	1030-1150		5	a
50-50	$d = 3.4729 - 9.91 \times 10^{-4}\ T$	1000-1160		5	a
75-25	$d = 3.6314 - 0.0010327\ T$	980-1140		5	a
100-0	$d = 3.7987 - 0.0010849\ T$	940-1090	(213)	5	a
	$CsCl-UCl_4$				
0.00-100.00	$d = 5.2508 - 0.0019455\ T$	870-940	(214)	5	a
7.42-92.58	$d = 4.5279 - 0.0012847\ T$	860-950		5	a
16.65-83.35	$d = 4.4601 - 0.0013398\ T$	900-950		5	a
20.71-79.29	$d = 4.5678 - 0.0013751\ T$	860-930		5	a

Table 2.1.a Density data (continued)

(mol %)	Equation Density (g cm^{-3})	T range(K)	Accur.	Ref.	Comment
22.80-77.20	d = 4.5521 - 0.0013904 T	880-920		5	a
30.81-69.19	d = 4.6211 - 0.0014976 T	880-950		5	a
34.48-65.52	d = 4.6966 - 0.0016096 T	700-940		5	a
35.92-64.08	d = 4.4808 - 0.0014134 T	720-950		5	a
37.56-62.44	d = 4.6601 - 0.0015971 T	680-950		5	a
41.14-58.86	d = 4.4402 - 0.0013752 T	880-940		5	a
43.75-56.25	d = 4.4225 - 0.0013663 T	790-940		5	a
50.96-49.04	d = 4.1955 - 0.0011917 T	760-960		5	a
56.11-43.89	d = 4.0492 - 0.0010682 T	820-960		5	a
61.14-38.86	d = 3.9243 - 9.688 x 10^{-4} T	880-970		5	a
66.35-33.65	d = 3.4249 - 4.955 x 10^{-4} T	910-970		5	a
66.96-33.04	d = 3.5297 - 6.065 x 10^{-4} T	970-980		5	a
68.87-31.13	d = 3.7666 - 8.536 x 10^{-4} T	940-960		5	a
69.57-30.43	d = 3.8441 - 9.241 x 10^{-4} T	930-970		5	a
73.00-27.00	d = 3.6417 - 7.094 x 10^{-4} T	880-950		5	a
75.94-24.06	d = 3.8629 - 9.697 x 10^{-4} T	840-960		5	a
78.72-21.28	d = 3.9463 - 0.0010801 T	820-950		5	a
80.55-19.45	d = 3.9315 - 0.0010738 T	800-940		5	a,b,e
86.17-13.83	d = 3.9309 - 0.0011113 T	850-950		5	a
92.65-7.35	d = 3.852 - 0.0010701 T	900-930		5	a
96.74-3.26	d = 3.7852 - 0.0010355 T	920-950		5	a
98.98-1.02	d = 3.667 - 9.308 x 10^{-4} T	930-1000		5	a
100.0-0.0	d = 3.8047 - 0.0010855 T	930-980	(215)	5	a
	$CsCl-ZnCl_2$				
0.00-100.00	d = 2.8375 - 5.2926 x 10^{-4} T	600-820	(216)	5	a
0.62-99.38	d = 2.8516 - 5.38 x 10^{-4} T	600-780		5	a
1.38-98.62	d = 2.8575 - 5.4123 x 10^{-4} T	600-760		5	a
4.87-95.13	d = 2.916 - 5.9476 x 10^{-4} T	580-860		5	a
8.78-91.22	d = 2.9745 - 6.4724 x 10^{-4} T	580-760		5	a
14.80-85.20	d = 3.0642 - 7.2818 x 10^{-4} T	580-860		5	a
28.60-71.40	d = 3.2111 - 8.5904 x 10^{-4} T	560-880		5	a
38.80-61.20	d = 3.2531 - 8.8586 x 10^{-4} T	580-860		5	a
41.90-58.10	d = 3.3095 - 9.197 x 10^{-4} T	540-860		5	a
46.8-53.2	d = 3.314 - 9.246 x 10^{-4} T	607-813		19,20	k
54.3-45.7	d = 3.375 - 9.253 x 10^{-4} T	708-873		19,20	k
59.8-40.2	d = 3.423 - 9.401 x 10^{-4} T	822-966		19,20	k
64.9-35.1	d = 3.463 - 9.488 x 10^{-4} T	873-967		19,20	k
69.7-30.3	d = 3.471 - 9.296 x 10^{-4} T	885-971		19,20	k
82.7-17.3	d = 3.631 - 0.0010047 T	888-1011		19,20	k
100-0	d = 3.802 - 0.0010953 T	935-1106	(217)	19,20	k
For additional CsCl systems, see : $BaCl_2$- ; $CaCl_2$- ; $CdCl_2$- ; CsBr-					
	$CsClO_4-LiClO_4$				
5-95	d = 2.4547 - 7.083 x 10^{-4} T	510-600		6	a,b,e
15-85	d = 2.6545 - 8.5 x 10^{-4} T	550-630		6	a
25-75	d = 2.7751 - 8.925 x 10^{-4} T	550-620		6	a,b,e
	$CsC_2H_3O_2$				
100	d = 2.843 - 9. x 10^{-4} T	610-620	±1%	6	a
	$CsC_2H_3O_2-NaC_2H_3O_2$				
0-100	d = 1.688 - 7.02 x 10^{-4} T	610-620	(218)	6	a
25-75	d = 1.872 - 5. x 10^{-4} T	610-620		6	a
50-50	d = 2.207 - 6. x 10^{-4} T	610-620		6	a
80-20	d = 2.519 - 6.5 x 10^{-4} T	600-620		6	a
100-0	d = 2.843 - 9. x 10^{-4} T	610-620	(219)	6	a
	CsF				
100	d = 4.8985 - 0.0012806 T	985-1185	±1%	1	a,c

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	CsF-CsI				
0-100	d = 4.3677 - 0.001288 T	930-1070	(220)	2	a
12-88	d = 4.3478 - 0.0012506 T	930-1070		2	a
25-75	d = 4.4337 - 0.0013058 T	930-1070		2	a
37-63	d = 4.4598 - 0.001301 T	930-1070		2	a
50-50	d = 4.4988 - 0.001294 T	930-1070		2	a
63-37	d = 4.5627 - 0.0012901 T	930-1070		2	a
75-25	d = 4.6753 - 0.0013052 T	930-1070		2	a
88-12	d = 4.7959 - 0.001311 T	930-1070		2	a
100-0	d = 4.8135 - 0.0012105 T	930-1070	(221)	2	a
For additional CsF systems, see : AlF_3- ; BaF_2- ; CsBr- ; CsCl-					
	CsI				
100	d = 4.255 - 0.0011833 T	912-1180	±1%	21,22	a,d,i
	CsI-GdI_3				
0.00-100.00	d = 5.2097 - 9.086 x 10^{-4} T	1260-1300	(222)	4	a
19.93-80.07	d = 5.2965 - 0.0011821 T	1190-1270		4	a
40.69-59.31	d = 5.2011 - 0.0013125 T	1020-1180		4	a
50.46-49.54	d = 5.0549 - 0.0012749 T	1010-1140		4	a
60.68-39.32	d = 4.9487 - 0.0012814 T	1010-1190		4	a
70.38-29.62	d = 4.911 - 0.0013291 T	1020-1180		4	a
79.68-20.32	d = 4.804 - 0.0013292 T	1020-1180		4	a
100.00-0.00	d = 4.2743 - 0.0012 T	1030-1180	(223)	4	a
	CsI-KCl				
0-100 CsI	d = 1.502 + 0.02496 C - 1.591 x 10^{-4} C^2 + 5.517 x 10^{-7} C^3	1073	(224)	2	a,n
	CsI-LaI_3				
0-100	d = 5.4581 - 0.0011109 T	1130-1180	(225)	4	a
21.10-78.90	d = 5.2945 - 0.0012018 T	1030-1180		4	a
39.78-60.22	d = 5.0863 - 0.0012203 T	1000-1180		4	a
49.67-50.33	d = 4.9105 - 0.0011801 T	1000-1180		4	a
59.40-40.60	d = 4.7501 - 0.0011508 T	1000-1180		4	a
69.52-30.48	d = 4.6412 - 0.0011568 T	1030-1180		4	a
79.27-20.73	d = 4.5019 - 0.0011267 T	1040-1170		4	a
100.00-0.00	d = 4.2743 - 0.0012 T	1030-1180	(226)	4	a
	CsI-LiI				
0-100	d = 3.7063 - 8.172 x 10^{-4} T	770-910	(227)	4	a
19.3-80.7	d = 3.9283 - 0.0010303 T	900-1100		4	a
21.7-78.3	d = 4.0206 - 0.0010867 T	890-1090		4	a
53.4-46.6	d = 4.0131 - 0.0010564 T	950-1140		4	a
78.8-21.2	d = 4.2166 - 0.001231 T	920-1110		4	a
100-0	d = 4.3345 - 0.0012568 T	960-1130	(228)	4	a
	CsI-NdI_3				
0.00-100.00	d = 5.4069 - 0.0010701 T	1120-1190	(229)	4	a
20.29-79.71	d = 5.3599 - 0.0012435 T	1090-1180		4	a
40.81-59.19	d = 5.0529 - 0.0011999 T	950-1180		4	a
50.00-50.00	d = 4.8922 - 0.0011643 T	910-1180		4	a
59.93-40.07	d = 4.7615 - 0.0011421 T	950-1140		4	a
70.06-29.94	d = 4.7125 - 0.0011889 T	1050-1180		4	a
79.83-20.17	d = 4.6451 - 0.001233 T	1090-1170		4	a
100.00-0.00	d = 4.2743 - 0.0012 T	1030-1180	(230)	4	a
For additional CsI systems, see : CdI_2- ; CsBr- ; CsCl- ; CsF-					
	$CsNO_3$				
100	d = 3.6206 - 0.00116605 T	688-764	±1%	1	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	$CsNO_3$-KNO_3				
0-100	d = 2.3363 - 7.592 x 10^{-4} T	626-756	(231)	7	a,e
25-75	d = 2.7095 - 8.717 x 10^{-4} T	578-778		7	a,e
50-50	d = 3.0474 - 9.909 x 10^{-4} T	565-773		7	a,e
75-25	d = 3.3324 - 0.0010615 T	619-785		7	a,e
100-0	d = 3.5845 - 0.0011269 T	692-797	(232)	7	a,e
	$CsNO_3$-$LiNO_3$				
0-100	d = 2.17212 - 7.0212 x 10^{-4} T	695-785	(233)	7	a,e
10-90	d = 2.3369 - 7.0965 x 10^{-4} T	635-740		7	a,e
20-80	d = 2.5017 - 7.3223 x 10^{-4} T	575-710		7	a,e
30-70	d = 2.6666 - 7.6986 x 10^{-4} T	560-710		7	a,e
40-60	d = 2.8314 - 8.2254 x 10^{-4} T	530-725		7	a,e
43-57	d = 2.8808 - 8.4128 x 10^{-4} T	515-695		7	a,e
50-50	d = 2.9962 - 8.9028 x 10^{-4} T	530-710		7	a,e
60-40	d = 3.161 - 9.7306 x 10^{-4} T	515-695		7	a,e
70-30	d = 3.3258 - 0.0010709 T	530-695		7	a,e
80-20	d = 3.4906 - 0.00118379 T	530-695		7	a,e
90-10	d = 3.6554 - 0.00131174 T	545-695		7	a,e
100-0	d = 3.8202 - 0.00145457 T	695-785	(234)	7	a,e
	$CsNO_3$-$NaNO_3$				
0-100	d = 2.3336 - 7.319 x 10^{-4} T	605-740	(235)	7	a,b,e
25-75	d = 2.748 - 8.642 x 10^{-4} T	545-740		7	a,b,e
45-55	d = 3.0033 - 9.3045 x 10^{-4} T	560-740		7	a,b,e
50-50	d = 3.1321 - 0.00105835 T	560-740		7	a,b,e
75-25	d = 3.3626 - 0.0010727 T	575-770		7	a,b,e
100-0	d = 3.5845 - 0.00112692 T	695-785	(236)	7	a,b,e
	$CsNO_3$-$RbNO_3$				
0-100	d = 3.118 - 0.0010508 T	595-730	(237)	7	a,e
10-90	d = 3.1576 - 0.00104286 T	590-755		7	a,e
17.3-82.7	d = 3.1907 - 0.00104403 T	575-770		7	a,e
20-80	d = 3.2029 - 0.00104462 T	575-770		7	a,e
30-70	d = 3.2482 - 0.00104756 T	590-770		7	a,e
40-60	d = 3.2936 - 0.00105167 T	590-770		7	a,e
50-50	d = 3.3389 - 0.00105696 T	605-770		7	a,e
60-40	d = 3.3842 - 0.00106342 T	620-770		7	a,e
70-30	d = 3.4296 - 0.00107106 T	635-770		7	a,e
80-20	d = 3.4749 - 0.00107987 T	665-770		7	a,e
90-10	d = 3.5202 - 0.00108986 T	680-785		7	a,e
100-0	d = 3.5845 - 0.00112692 T	695-785	(238)	7	a,e
For additional $CsNO_3$ systems, see : $AgNO_3$- ; $Ca(NO_3)_2$-					
	$CsPO_3$				
100	d = 3.8253 - 7.32 x 10^{-4} T	1070-1290	±3%	6	a
	CsSCN				
100	d = 3.0462 - 7.952 x 10^{-4} T	513-573	±1.5%	23	k
	Cs_2CO_3				
100	d = 4.037 - 5.614 x 10^{-4} T	1090-1260	±2%	24	k
	Cs_2SO_4				
100	d = 4.3 - 9.515 x 10^{-4} T	1309-1803	±1%	1	a,e
	Cs_3AlF_6				
100	d = 4.7792 - 0.0015342 T	1093-1280	±3%	6	d
	Cs_3AlF_6-K_3AlF_6				
10-90	d = 3.3613 - 0.0011 T	1198-1280		6	a
20-80	d = 3.209 - 9.19 x 10^{-4} T	1173-1280		6	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
30-70	$d = 3.7117 - 0.00118\ T$	1220-1280		6	a
40-60	$d = 3.8498 - 0.00124\ T$	1123-1280		6	a
50-50	$d = 4.0966 - 0.001339\ T$	1220-1280		6	a
60-40	$d = 4.2196 - 0.0014\ T$	1098-1280		6	a
70-30	$d = 4.6503 - 0.00166\ T$	1220-1280		6	a
80-20	$d = 4.5833 - 0.00152\ T$	1220-1280		6	a
90-10	$d = 4.8453 - 0.00166\ T$	1220-1280		6	a
100-0	$d = 4.7792 - 0.0015342\ T$	1093-1280	(239)	6	a
	Cs_3AlF_6-Li_3AlF_6				
0-100	$d = 3.251 - 0.001034\ T$	1073-1330	(240)	6	a,e
10-90	$d = 3.7773 - 0.00134\ T$	1023-1173		6	a,e
20-80	$d = 3.6526 - 0.001114\ T$	1023-1173		6	a,e
30-70	$d = 3.6195 - 0.001006\ T$	1023-1173		6	a,e
40-60	$d = 3.85 - 0.001146\ T$	1023-1173		6	a,e
50-50	$d = 3.9999 - 0.0012\ T$	1023-1173		6	a,e
60-40	$d = 4.0109 - 0.001136\ T$	1023-1173		6	a,e
70-30	$d = 4.2555 - 0.001276\ T$	1023-1173		6	a,e
80-20	$d = 4.2797 - 0.00122\ T$	1023-1173		6	a,e
90-10	$d = 4.2214 - 0.001096\ T$	1023-1173		6	a,e
100-0	$d = 4.7792 - 0.0015342\ T$	1123-1173	(241)	6	a,e
	Cs_3AlF_6-Na_3AlF_6				
20-80	$d = 3.731 - 0.0011398\ T$	1193-1280		6	a
30-70	$d = 3.555 - 9.599 \times 10^{-4}\ T$	1170-1280		6	a
40-60	$d = 4.2059 - 0.0013802\ T$	1120-1280		6	a
50-50	$d = 4.3246 - 0.0014181\ T$	1120-1280		6	a
60-40	$d = 4.4236 - 0.0014381\ T$	1120-1280		6	a
70-30	$d = 4.4832 - 0.0014401\ T$	1120-1280		6	a
80-20	$d = 4.5882 - 0.0014801\ T$	1120-1280		6	a
90-10	$d = 4.9399 - 0.0017221\ T$	1073-1280		6	a
100-0	$d = 4.7792 - 0.0015342\ T$	1093-1280	(242)	6	a
	CuCl				
100	$d = 4.226 - 7.6 \times 10^{-4}\ T$	709-858	±2%	1	a
	CuCl-Cu_2S				
30.6-69.4	$d = 5.0206 - 3.535 \times 10^{-4}\ T$	1340-1420		3	a
45.0-55.0	$d = 4.8082 - 3.397 \times 10^{-4}\ T$	1180-1300		3	a
55.1-44.9	$d = 4.8889 - 5.032 \times 10^{-4}\ T$	1180-1320		3	a
63.3-36.7	$d = 4.8723 - 5.594 \times 10^{-4}\ T$	1180-1260		3	a
66.8-33.2	$d = 4.7148 - 4.793 \times 10^{-4}\ T$	1120-1280		3	a
74.6-25.4	$d = 4.7106 - 6.015 \times 10^{-4}\ T$	940-1160		3	a
79.0-21.0	$d = 4.8453 - 8.293 \times 10^{-4}\ T$	900-1060		3	a
82.5-17.5	$d = 4.6461 - 8.146 \times 10^{-4}\ T$	780-1060		3	a
86.4-13.6	$d = 4.6601 - 7.2 \times 10^{-4}\ T$	820-960		3	a
90.3-9.7	$d = 4.5956 - 8.495 \times 10^{-4}\ T$	700-940		3	a
93.4-6.6	$d = 4.5128 - 8.201 \times 10^{-4}\ T$	740-1060		3	a
94.2-5.8	$d = 4.4748 - 8.309 \times 10^{-4}\ T$	720-1020		3	a
95.2-4.8	$d = 3.83 - 8.37 \times 10^{-5}\ T$	760-900		3	a
96.4-3.6	$d = 4.4484 - 8.462 \times 10^{-4}\ T$	690-930		3	a
100.0-0.0	$d = 4.2995 - 7.93 \times 10^{-4}\ T$	740-1110	(243)	3	a
	CuCl-KCl				
91.1-100 KCl	$d = -0.7618 + 0.062075\ C - 3.9386 \times 10^{-4}\ C^2$	1073	(244)	5	a,n
	CuSCN-$N(C_3H_7)_4SCN$				
0-100	$d = 1.079 - 5.397 \times 10^{-4}\ T$	325-370	(245)	6	a
7-93	$d = 1.0965 - 5.481 \times 10^{-4}\ T$	325-370		6	a
18.1-81.9	$d = 1.1216 - 5.412 \times 10^{-4}\ T$	325-370		6	a
25.4-74.6	$d = 1.1434 - 5.411 \times 10^{-4}\ T$	325-370		6	a
30.7-69.3	$d = 1.1711 - 5.642 \times 10^{-4}\ T$	325-370		6	a

Table 2.1.a Density data (continued)

(mol %)	Equation Density (g cm⁻³)	T range(K)	Accur.	Ref.	Comment
37.9-62.1	$d = 1.2076 - 5.871 \times 10^{-4}\ T$	325-370		6	a
43.9-56.1	$d = 1.2494 - 6.237 \times 10^{-4}\ T$	325-370		6	a
50.0-50.0	$d = 1.2923 - 6.45 \times 10^{-4}\ T$	355-370		6	a
51.7-48.3	$d = 1.2973 - 6.277 \times 10^{-4}\ T$	355-370		6	a
	Cu_2S				
100	$d = 5.4 - 1. \times 10^{-6}\ T$	1473-1523	±2%	6	a,e
	Cu_2S-FeS				
100-0 FeS	$d = 5.3549 - 0.0098769\ C - 6.1849 \times 10^{-5}\ C^2$	1523	(246)	6	a,b,m
	Cu_2S-Ni_3S_2				
100-0 Ni_3S_2	$d = 5.4116 - 0.0027364\ C + 9.7828 \times 10^{-5}\ C^2 - 8.4886 \times 10^{-7}\ C^3$	1473	(247)	6	a,b,m
For additional Cu_2S systems, see : Co_4S_3- ; CuCl-					
	$DyCl_3$				
100	$d = 4.2668 - 6.821 \times 10^{-4}\ T$	980-1260	±1%	5	a
For additional $DyCl_3$ systems, see : $CaCl_2$-					
	$FeCl_2$				
100	$d = 2.8754 - 5.55 \times 10^{-4}\ T$	960-1150	±1%	3	a
	$FeCl_2$-FeS				
91.6-8.4	$d = 2.895 - 5.573 \times 10^{-4}\ T$	1100-1120		3	a
94.6-5.4	$d = 2.8908 - 5.594 \times 10^{-4}\ T$	1000-1140		3	a
100.0-0.0	$d = 2.8754 - 5.55 \times 10^{-4}\ T$	960-1150	(248)	3	a
	FeS				
100	$d = 3.7 - 1. \times 10^{-6}\ T$	1473-1523	±2%	6	a,e
	FeS-Ni_3S_2				
100-0 Ni_3S_2	$d = 3.868 + 0.032169\ C - 1.9225 \times 10^{-4}\ C^2$	1523	(249)	6	a,b,m
For additional FeS systems, see : Co_4S_3- ; Cu_2S- ; $FeCl_2$-					
	$GaBr_3$				
100	$d = 4.0882 - 0.00246354\ T$	392-408	±0.5%	4	a
	$GaCl_3$				
100	$d = 2.7841 - 0.0020826\ T$	360-414	±0.5%	1	a
	GaI-GaI_3				
0-100	$d = 4.778 - 0.002377\ T$	460-525	(250)	4	a
10-90	$d = 4.805 - 0.002179\ T$	470-525		4	a
20-80	$d = 4.819 - 0.001996\ T$	450-495		4	a
40-60	$d = 4.817 - 0.001766\ T$	450-525		4	a
50-50	$d = 4.841 - 0.001688\ T$	455-535		4	a
57.5-42.5	$d = 4.886 - 0.001675\ T$	455-535		4	a
65-35	$d = 4.957 - 0.001704\ T$	455-535		4	a
69-31	$d = 4.971 - 0.001707\ T$	465-535		4	a
	GaI_2				
100	$d = 4.841 - 0.001688\ T$	454-538	±0.5%	1	a
	GaI_3				
100	$d = 4.778 - 0.002377\ T$	460-525	±0.5%	4	a
For additional GaI_3 systems, see : GaI-					
	$GdCl_3$				
100	$d = 4.1484 - 6.707 \times 10^{-4}\ T$	940-1280	±1%	5	a,e
	GdI_3				
100	$d = 5.2097 - 9.086 \times 10^{-4}\ T$	1255-1305	±1%	4	a
	GdI_3-KI				
0.00-100.00	$d = 3.3027 - 8.999 \times 10^{-4}\ T$	1030-1180	(251)	4	a
19.78-80.22	$d = 4.0327 - 0.0010174\ T$	1050-1180		4	a
40.26-59.74	$d = 4.5269 - 0.001089\ T$	1050-1180		4	a
64.63-35.37	$d = 5.1258 - 0.0012444\ T$	1050-1170		4	a
100.00-0.00	$d = 5.2097 - 9.086 \times 10^{-4}\ T$	1260-1300	(252)	4	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
For additional GdI_3 systems, see : CsI-					
	$HgBr_2$				
100	d = 6.7715 - 0.0032331 T	511-592	±2%	1	a
	$HgBr_2$-HgI_2				
0-100	(T=531.2 K, d=5.34)		(253)	2	a,e
59-41	d = 6.548 - 0.002412 T	493-531		2	a,e
100-0	d = 6.3816 - 0.0021889 T	513-531	(254)	2	a,e
For additional $HgBr_2$ systems, see : $AlBr_3$-					
	$HgCl_2$				
100	d = 5.9391 - 0.0028624 T	550-577	±1%	1	a
	$HgCl_2$-$TlNO_3$				
0-100	d = 5.8077 - 0.0018812 T	484-553	(255)	3	a
10-90	d = 5.807 - 0.0018821 T	460-550		3	a
20-80	d = 5.807 - 0.0018821 T	460-550		3	a
30-70	d = 5.807 - 0.0018821 T	460-550		3	a
40-60	d = 5.807 - 0.0018821 T	460-550		3	a
50-50	d = 5.807 - 0.0018821 T	460-550		3	a
	HgI_2				
100	d = 6.9435 - 0.0032351 T	532-627	±2%	1	a
For additional HgI_2 systems, see : $AgNO_3$- ; AlI_3- ; $HgBr_2$-					
	Hg_2Cl_2				
100	d = 9.0928 - 0.004 T	799-850	±2%	1	a
	$InBr_3$				
100	d = 4.184 - 0.0015 T	721-801	±1%	1	a
	InCl				
100	d = 4.437 - 0.0014 T	542-638	±1%	1	a
	$InCl_2$				
100	d = 3.863 - 0.0016 T	541-710	±1%	1	a
	$InCl_3$				
100	d = 3.944 - 0.0021 T	870-939	±1%	1	a
	InI_3				
100	d = 4.5448 - 0.0015 T	503-633	±1%	1	a
	$KAlCl_4$-$LiAlBr_4$-$NaAlCl_4$				
20-30-50	(T=373 K, d=2.07)		(256)	25	k
	KBF_4				
100	d = 2.4506 - 8.15 x 10^{-4} T	890-990	±1%	6	a
	KBO_2-KPO_3				
0-100	d = 1.969 + 9.9629 x 10^{-5} T	1173-1223	(257)	3	b,e,v1
3.2-96.8	(T=1173 K, d=2.08)			3	a,v1
7.2-92.8	d = 1.69 + 3.6 x 10^{-4} T	1123-1223		3	a,v1
14.8-85.2	d = 1.725 + 3.4 x 10^{-4} T	1123-1223		3	a,v1
22.9-77.1	d = 1.711 + 3.5 x 10^{-4} T	1123-1223		3	a,v1
31.6-68.4	d = 1.702 + 3.5 x 10^{-4} T	1123-1223		3	a,v1
41.0-59.0	d = 1.537 + 4.8 x 10^{-4} T	1123-1223		3	a,v1
51.0-49.0	d = 1.425 + 5.5 x 10^{-4} T	1123-1223		3	a,v1
61.8-38.2	d = 1.421 + 5.3 x 10^{-4} T	1123-1223		3	a,v1
73.5-26.5	d = 1.356 + 5.5 x 10^{-4} T	1123-1223		3	a,v1
89.5-10.5	d = 1.288 + 5.6 x 10^{-4} T	1123-1223		3	a,v1
	KBr				
100	d = 2.9583 - 8.253 x 10^{-4} T	1014-1203	±1%	1	a
	KBr-KCl				
0-100	d = 2.1089 - 5.583 x 10^{-4} T	1060-1210	(258)	2	a
20-80	d = 2.3228 - 6.367 x 10^{-4} T	1050-1200		2	a
40-60	d = 2.503 - 6.937 x 10^{-4} T	1040-1220		2	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
50-50	$d = 2.5856 - 7.176 \times 10^{-4}$ T	1040-1210		2	a
60-40	$d = 2.6897 - 7.615 \times 10^{-4}$ T	1020-1210		2	a
80-20	$d = 2.8374 - 8.004 \times 10^{-4}$ T	1030-1210		2	a
100-0	$d = 2.9552 - 8.22 \times 10^{-4}$ T	1030-1190	(259)	2	a
	KBr-KF				
0-100	$d = 2.6806 - 6.75 \times 10^{-4}$ T	1150-1250	(260)	2	a
12-88	$d = 2.7232 - 7.03 \times 10^{-4}$ T	1090-1200		2	a
25-75	$d = 2.7657 - 7.286 \times 10^{-4}$ T	1040-1150		2	a
37-63	$d = 2.7956 - 7.448 \times 10^{-4}$ T	980-1130		2	a
50-50	$d = 2.8378 - 7.702 \times 10^{-4}$ T	990-1150		2	a
63-37	$d = 2.8691 - 7.853 \times 10^{-4}$ T	1080-1240		2	a
75-25	$d = 2.8841 - 7.819 \times 10^{-4}$ T	1080-1230		2	a
88-12	$d = 2.9464 - 8.184 \times 10^{-4}$ T	1090-1220		2	a
100-0	$d = 2.974 - 8.329 \times 10^{-4}$ T	1010-1140	(261)	2	a
	KBr-KI				
0-100	$d = 3.3336 - 9.29 \times 10^{-4}$ T	990-1170	(262)	2	a
20-80	$d = 3.2709 - 9.152 \times 10^{-4}$ T	970-1170		2	a
40-60	$d = 3.2085 - 9.069 \times 10^{-4}$ T	960-1180		2	a
60-40	$d = 3.1426 - 8.949 \times 10^{-4}$ T	960-1180		2	a
80-20	$d = 3.0501 - 8.592 \times 10^{-4}$ T	1010-1180		2	a
100-0	$d = 2.9552 - 8.22 \times 10^{-4}$ T	1030-1220	(263)	2	a
	KBr-KNO_3				
0-100	$d = 2.3151 - 7.29 \times 10^{-4}$ T	623-873	(264)	3	a
15-85	$d = 2.3811 - 7.141 \times 10^{-4}$ T	650-860		3	a
33.3-66.7	$d = 2.4836 - 7.27 \times 10^{-4}$ T	650-860		3	a
50-50	$d = 2.6277 - 7.788 \times 10^{-4}$ T	770-860		3	a
66.7-33.3	$d = 2.6755 - 7.301 \times 10^{-4}$ T	623-1073		3	a
85-15	$d = 2.8536 - 8.008 \times 10^{-4}$ T	623-1073		3	a
100-0	$d = 2.94 - 7.922 \times 10^{-4}$ T	1020-1073	(265)	3	a
	KBr-LiBr				
40-60	$d = 3.081 - 8.084 \times 10^{-4}$ T	680-1020		4	a
50-50	$d = 3.0049 - 7.688 \times 10^{-4}$ T	880-1030		4	a
100-0	$d = 2.9552 - 8.22 \times 10^{-4}$ T	1030-1170	(266)	4	a
	KBr-LiCl				
0-100 KBr	$d = 1.403 + 0.01596\ C - 2.348 \times 10^{-4}\ C^2 + 2.106 \times 10^{-6}\ C^3 - 7.598 \times 10^{-9}\ C^4$	1073	(267)	2	a
	KBr-NaBr				
0-100	$d = 3.1799 - 8.22 \times 10^{-4}$ T	1050-1220	(268)	4	a
50-50	$d = 3.0466 - 8.356 \times 10^{-4}$ T	990-1130		4	a
100-0	$d = 2.9552 - 8.22 \times 10^{-4}$ T	1030-1190	(269)	4	a
	KBr-NaCl				
50-50	$d = 2.645 - 7.23 \times 10^{-4}$ T	900-1070		2	a
100-0	$d = 2.9407 - 7.9289 \times 10^{-4}$ T	1020-1070	(270)	2	a
0-100 KBr	$d = 1.56 + 0.007258$ C	1073	(271)	2	a
	KBr-$PbBr_2$				
0-100	$d = 6.9123 - 0.001764$ T	660-1000	(272)	4	a
10-90	$d = 6.508 - 0.0016538$ T	660-1020		4	a
20-80	$d = 6.1948 - 0.0015749$ T	660-1000		4	a
25-75	$d = 6.0369 - 0.001553$ T	660-1020		4	a
30-70	$d = 5.7481 - 0.0014137$ T	680-1000		4	a
33-67	$d = 5.7411 - 0.0015086$ T	680-1020		4	a
40-60	$d = 5.6355 - 0.0016283$ T	660-1040		4	a
48-52	$d = 5.2089 - 0.0014202$ T	660-1020		4	a
58-42	$d = 4.8449 - 0.0013775$ T	700-1020		4	a
70-30	$d = 4.2468 - 0.0011151$ T	840-1020		4	a
85-15	$d = 3.7868 - 0.001119$ T	940-1180		4	a
100-0	$d = 2.9705 - 8.333 \times 10^{-4}$ T	1020-1180	(273)	4	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	KBr-RbBr				
0-100	$d = 3.7373 - 0.0010704\ T$	980-1140	(274)	4	a
50-50	$d = 3.3628 - 9.628 \times 10^{-4}\ T$	1030-1120		4	a
100-0	$d = 2.9552 - 8.22 \times 10^{-4}\ T$	1030-1190	(275)	4	a
	KBr-RbCl				
0-100 KBr	$d = 2.188 - 7.132 \times 10^{-4}\ C - 4.777 \times 10^{-6}\ C^2$	1073	(276)	2	a,n
	KBr-TlBr				
0.0-100.0	$d = 7.4335 - 0.001922\ T$	780-1020	(277)	4	a
12.6-87.4	$d = 7.0219 - 0.0019342\ T$	780-900		4	a
15.6-84.4	$d = 7.3789 - 0.002423\ T$	780-880		4	a
30.0-70.0	$d = 7.8431 - 0.0034214\ T$	860-1000		4	a
41.3-58.7	$d = 7.5097 - 0.0034552\ T$	920-1020		4	a
58.5-41.5	$d = 7.4277 - 0.003819\ T$	1000-1020		4	a
62.7-37.3	$d = 6.5754 - 0.0030841\ T$	1040-1060		4	a
66.0-34.0	$d = 6.6265 - 0.0031449\ T$	1040-1120		4	a
76.5-23.5	$d = 6.9179 - 0.0038571\ T$	1000-1020		4	a
78.5-21.5	$d = 7.1725 - 0.0041899\ T$	1040-1060		4	a
87.6-12.4	$d = 4.496 - 0.0018936\ T$	1040-1060		4	a
100.0-0.0	$d = 2.9258 - 7.891 \times 10^{-4}\ T$	1040-1200	(278)	4	a
	$KBr-ZnBr_2$				
0-100	$d = 4.1545 - 9.827 \times 10^{-4}\ T$	740-880	(279)	4	a
10.8-89.2	$d = 4.3189 - 0.001601\ T$	760-900		4	a
21.5-78.5	$d = 4.0334 - 0.0010771\ T$	700-820		4	a
22.0-78.0	$d = 4.0469 - 0.00109\ T$	700-820		4	a
33.4-66.6	$d = 3.8976 - 0.0010687\ T$	720-880		4	a
43.9-56.1	$d = 3.789 - 0.0010337\ T$	680-820		4	a
61.6-38.4	$d = 3.5238 - 9.449 \times 10^{-4}\ T$	820-1000		4	a
70.4-29.6	$d = 3.3719 - 8.819 \times 10^{-4}\ T$	880-1080		4	a
79.3-20.7	$d = 3.1981 - 8.291 \times 10^{-4}\ T$	1000-1140		4	a
90.2-9.8	$d = 3.0584 - 8.044 \times 10^{-4}\ T$	1040-1240		4	a
100-0	$d = 2.9134 - 7.817 \times 10^{-4}\ T$	1080-1260	(280)	4	a
	$KBr-ZnSO_4$				
26.38-73.62	$d = 3.2322 - 4.805 \times 10^{-4}\ T$	770-820		3	a,o
31.91-68.09	$d = 3.1447 - 4.406 \times 10^{-4}\ T$	770-820		3	a,o
33.40-66.60	$d = 3.1641 - 4.996 \times 10^{-4}\ T$	770-820		3	a,o
45.42-54.58	$d = 3.2914 - 7.598 \times 10^{-4}\ T$	770-820		3	a,e,o
49.88-50.12	$d = 3.081 - 5.199 \times 10^{-4}\ T$	770-820		3	a,e,o
54.48-45.52	$d = 3.1198 - 6.199 \times 10^{-4}\ T$	770-820		3	a,e,o
60.00-40.00	$d = 3.1834 - 7.598 \times 10^{-4}\ T$	770-820		3	a,e,o
For additional KBr systems, see : AgBr- ; AgCl- ; $AlBr_3$- ; $BaBr_2$- ; $CdBr_2$- ; $CdCl_2$- ; CsBr- ; CsCl-					
	KCl				
100	$d = 2.1359 - 5.831 \times 10^{-4}\ T$	1053-1212	±0.5%	1	a,c
	KCl-KF				
0-100	$d = 2.6806 - 6.75 \times 10^{-4}\ T$	1150-1250	(281)	2	a
12-88	$d = 2.58 - 6.639 \times 10^{-4}\ T$	1090-1230		2	a
37-63	$d = 2.4136 - 6.109 \times 10^{-4}\ T$	1000-1150		2	a
50-50	$d = 2.3296 - 6.177 \times 10^{-4}\ T$	1060-1250		2	a
63-37	$d = 2.2722 - 6.1 \times 10^{-4}\ T$	1060-1250		2	a
75-25	$d = 2.2187 - 5.962 \times 10^{-4}\ T$	1000-1200		2	a
88-12	$d = 2.183 - 5.95 \times 10^{-4}\ T$	1020-1170		2	a
100-0	$d = 2.13 - 5.79 \times 10^{-4}\ T$	1060-1190	(282)	2	a
	KCl-KI				
0.00-100.00	$d = 3.3594 - 9.557 \times 10^{-4}\ T$	955-1177	(283)	2	a
6.04-93.96	$d = 3.2676 - 9.1348 \times 10^{-4}\ T$	960-1170		2	a
15.96-84.04	$d = 3.2007 - 8.6476 \times 10^{-4}\ T$	980-1170		2	a

Table 2.1.a Density data (continued)

(mol %)	Equation (Density (g cm^{-3}))	T range(K)	Accur.	Ref.	Comment
25.67-74.33	$d = 3.1155 - 8.894 \times 10^{-4}$ T	920-1180		2	a
45.15-54.85	$d = 2.9088 - 8.2524 \times 10^{-4}$ T	900-1170		2	a
61.12-38.88	$d = 2.7042 - 7.5432 \times 10^{-4}$ T	960-1180		2	a
80.22-19.78	$d = 2.4625 - 6.9017 \times 10^{-4}$ T	990-1170		2	a
100.00-0.00	$d = 2.1359 - 5.831 \times 10^{-4}$ T	1053-1212	(284)	2	a
	$KCl-KNO_3$				
0-100	$d = 2.31 - 7.33 \times 10^{-4}$ T	620-800	(285)	3	a
8.7-91.3	$d = 2.2998 - 7.28 \times 10^{-4}$ T	620-800		3	a
20.5-79.5	$d = 2.2844 - 7.118 \times 10^{-4}$ T	710-830		3	a
29.8-70.2	$d = 2.2547 - 6.799 \times 10^{-4}$ T	770-890		3	a
	$KCl-KOH-K_2CO_3$				
3.8-94.5-1.7	$d = 2.0456 - 4.6 \times 10^{-4}$ T	680-800		3	a
3.9-94.4-1.7	$d = 2.0404 - 4.54 \times 10^{-4}$ T	680-860		3	a
7.9-90.4-1.7	$d = 2.0434 - 4.54 \times 10^{-4}$ T	680-860		3	a
9.0-89.3-1.7	$d = 2.0444 - 4.54 \times 10^{-4}$ T	680-800		3	a
	$KCl-K_2CO_3$				
19.2-80.8	$d = 2.1593 - 2.406 \times 10^{-4}$ T	1150-1170		3	a
33.3-66.7	$d = 2.3815 - 4.8 \times 10^{-4}$ T	1000-1060		3	a
35-65	$d = 2.3173 - 4.202 \times 10^{-4}$ T	998-1148		3	a
46.2-53.8	$d = 2.3094 - 4.531 \times 10^{-4}$ T			3	a
48.1-51.9	$d = 2.3085 - 4.56 \times 10^{-4}$ T	1090-1150		3	a
57.1-42.9	$d = 2.2292 - 4.233 \times 10^{-4}$ T	920-1150		3	a
58.5-41.5	$d = 2.2794 - 4.714 \times 10^{-4}$ T	998-1148		3	a
62.1-37.9	$d = 2.0997 - 3.166 \times 10^{-4}$ T			3	a
66.7-33.3	$d = 2.1813 - 4.152 \times 10^{-4}$ T	920-1150		3	a
67.7-32.3	$d = 2.2178 - 4.643 \times 10^{-4}$ T	970-1150		3	a
71-29	$d = 2.2026 - 4.577 \times 10^{-4}$ T			3	a
75-25	$d = 2.1911 - 4.601 \times 10^{-4}$ T	920-1150		3	a
76.5-23.5	$d = 2.2319 - 5.128 \times 10^{-4}$ T	998-1148		3	a
79-21	$d = 2.0633 - 3.838 \times 10^{-4}$ T	1050-1150		3	a
82.4-17.6	$d = 2.1099 - 4.266 \times 10^{-4}$ T			3	a
88.9-11.1	$d = 2.1786 - 5.128 \times 10^{-4}$ T	1000-1150		3	a
89.6-10.4	$d = 2.16 - 5.2 \times 10^{-4}$ T	998-1148		3	a
94.7-5.3	$d = 2.1319 - 5.199 \times 10^{-4}$ T	1150-1250		3	a
	$KCl-K_2SO_4$				
0-100	$d = 2.4697 - 4.473 \times 10^{-4}$ T	1348-1411	(286)	3	a
19.8-80.2	$d = 2.4495 - 4.784 \times 10^{-4}$ T	1300-1360		3	a
30.6-69.4	$d = 2.4145 - 4.785 \times 10^{-4}$ T	1240-1330		3	a
44.8-55.2	$d = 2.4994 - 5.991 \times 10^{-4}$ T	1160-1220		3	a
55.0-45.0	$d = 2.4194 - 5.68 \times 10^{-4}$ T	1120-1180		3	a
56.9-43.1	$d = 2.4453 - 5.989 \times 10^{-4}$ T	1110-1180		3	a
67.6-32.4	$d = 2.4057 - 6.183 \times 10^{-4}$ T	1090-1150		3	a
77.7-22.3	$d = 2.342 - 6.234 \times 10^{-4}$ T	1070-1180		3	a
84.7-15.3	$d = 2.2536 - 6.01 \times 10^{-4}$ T	1090-1180		3	a
100-0	$d = 2.0865 - 5.476 \times 10^{-4}$ T	1060-1260	(287)	3	a
	$KCl-K_2ZrF_6$				
0-100	$d = 3.098 - 7.119 \times 10^{-4}$ T	1073-1253	(288)	3	a,e
10-90	$d = 3.046 - 7. \times 10^{-4}$ T	1073-1173		3	a,e
20-80	$d = 3.05 - 7.301 \times 10^{-4}$ T	1073-1173		3	a,e
30-70	$d = 3.013 - 7.401 \times 10^{-4}$ T	1073-1173		3	a,e
40-60	$d = 2.918 - 7. \times 10^{-4}$ T	1073-1173		3	a,e
50-50	$d = 2.889 - 7.3 \times 10^{-4}$ T	1073-1173		3	a,e
60-40	$d = 2.738 - 6.5 \times 10^{-4}$ T	1073-1173		3	a,e
70-30	$d = 2.602 - 6.3 \times 10^{-4}$ T	1073-1173		3	a,e

Table 2.1.a Density data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Density (g cm^{-3})				
80-20	$d = 2.521 - 6.6 \times 10^{-4}$ T	1073-1173		3	a,e
90-10	$d = 2.34 - 6.101 \times 10^{-4}$ T	1073-1173		3	a,e
100-0	$d = 2.142 - 5.901 \times 10^{-4}$ T	1073-1173	(289)	3	a,e
	$KCl-LaCl_3$				
0-100	$d = 4.0108 - 6.93 \times 10^{-4}$ T	1173-1273	(290)	23	k
15.8-84.2	$d = 4.0475 - 8.791 \times 10^{-4}$ T	1171-1283		23	k
28.8-71.2	$d = 3.8542 - 9.109 \times 10^{-4}$ T	1078-1277		23	k
41.8-58.2	$d = 3.5996 - 8.538 \times 10^{-4}$ T	1055-1276		23	k
57.6-42.4	$d = 3.2647 - 7.982 \times 10^{-4}$ T	1056-1273		23	k
71.8-28.2	$d = 2.9406 - 7.535 \times 10^{-4}$ T	1073-1273		23	k
85.9-14.1	$d = 2.5731 - 6.829 \times 10^{-4}$ T	1065-1279		23	k
100-0	$d = 2.1717 - 6.042 \times 10^{-4}$ T	1122-1281	(291)	23	k
	KCl-LiCl				
0-100	$d = 1.8842 - 4.328 \times 10^{-4}$ T	894-1054	(292)	5	a,e
18.23-81.77	$d = 1.9689 - 4.8908 \times 10^{-4}$ T	820-920		5	a
29.64-70.36	$d = 1.9945 - 5.0738 \times 10^{-4}$ T	740-860		5	a
41.20-58.80	$d = 2.0286 - 5.2676 \times 10^{-4}$ T	680-860		5	a
59.55-40.45	$d = 2.0768 - 5.612 \times 10^{-4}$ T	860-1000		5	a
80.04-19.96	$d = 2.1172 - 5.7764 \times 10^{-4}$ T	980-1120		5	a
100-0	$d = 2.1359 - 5.831 \times 10^{-4}$ T	1053-1212	(293)	5	a
	$KCl-LiCl-PbCl_2$				
0-0-100	$d = 6.07 - 0.00145$ T	793-973	(294)	26	k
5-15-80	$d = 5.56 - 0.00138$ T	723-1073		26	k
10-10-80	$d = 5.32 - 0.00114$ T	723-1073		26	k
10-30-60	$d = 4.85 - 0.00112$ T	723-1073		26	k
15-5-80	$d = 5.5 - 0.00142$ T	723-1073		26	k
15-45-40	$d = 4.22 - 0.00107$ T	723-1073		26	k
20-20-60	$d = 4.9 - 0.00128$ T	723-1073		26	k
20-60-20	$d = 3.39 - 0.00101$ T	773-1073		26	k
30-10-60	$d = 4.76 - 0.00119$ T	723-1073		26	k
30-30-40	$d = 4.07 - 9.8 \times 10^{-4}$ T	723-1073		26	k
45-15-40	$d = 4.06 - 0.00105$ T	723-1073		26	k
60-20-20	$d = 3.18 - 8.9 \times 10^{-4}$ T	823-1073		26	k
	$KCl-Li_2CO_3$				
10-90	$d = 2.127 - 3.37 \times 10^{-4}$ T	1020-1070		3	a,o
20-80	$d = 2.146 - 3.9 \times 10^{-4}$ T			3	a,o
40-60	$d = 1.993 - 3.18 \times 10^{-4}$ T	1020-1070		3	a,o
50-50	$d = 2.104 - 4.47 \times 10^{-4}$ T			3	a,o
60-40	$d = 2.05 - 4.27 \times 10^{-4}$ T			3	a,o
70-30	$d = 2.109 - 5.02 \times 10^{-4}$ T	1020-1070		3	a,o
80-20	$d = 2.09 - 5.09 \times 10^{-4}$ T			3	a,o
90-10	$d = 2.089 - 5.27 \times 10^{-4}$ T	1020-1070		3	a,o
100-0	$d = 2.1 - 5.5 \times 10^{-4}$ T	1070-1170	(295)	3	a,o
	$KCl-MgCl_2$				
0.0-100.0	$d = 1.95 - 2.712 \times 10^{-4}$ T	1017-1099	(296)	5	a
10.0-90.0	$d = 2.0844 - 3.9367 \times 10^{-4}$ T	1060-1110		5	a
22.6-77.4	$d = 2.2238 - 5.3922 \times 10^{-4}$ T	1060-1130		5	a
32.5-67.5	$d = 2.2582 - 6.0077 \times 10^{-4}$ T	1060-1160		5	a
33.7-66.3	$d = 2.1587 - 5.0863 \times 10^{-4}$ T	1050-1120		5	a
38.3-61.7	$d = 2.1923 - 5.5627 \times 10^{-4}$ T	1060-1140		5	a
46.5-53.5	$d = 2.19 - 5.7054 \times 10^{-4}$ T	1060-1130		5	a
49.7-50.3	$d = 2.0998 - 5.0287 \times 10^{-4}$ T	1080-1170		5	a
57.8-42.2	$d = 2.1387 - 5.5501 \times 10^{-4}$ T	1030-1140		5	a
67.2-32.8	$d = 2.0007 - 4.5709 \times 10^{-4}$ T	1030-1150		5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
75.0-25.0	$d = 2.0796 - 5.3272 \times 10^{-4}\ T$	1050-1120		5	a
88.0-12.0	$d = 2.1561 - 6.0618 \times 10^{-4}\ T$	1080-1140		5	a
93.4-6.6	$d = 2.138 - 5.8395 \times 10^{-4}\ T$	1050-1140		5	a
100.0-0.0	$d = 2.1866 - 6.256 \times 10^{-4}\ T$	1080-1120	(297)	5	a
	$KCl-MnCl_2$				
0-100	$d = 2.7574 - 4.38 \times 10^{-4}\ T$	940-1120	(298)	5	a
20-80	$d = 2.8831 - 6.257 \times 10^{-4}\ T$	880-1120		5	a
30-70	$d = 2.6045 - 4.629 \times 10^{-4}\ T$	840-1120		5	a
35-65	$d = 2.618 - 5.281 \times 10^{-4}\ T$	780-1120		5	a
45-55	$d = 2.5466 - 5.643 \times 10^{-4}\ T$	780-1120		5	a
50-50	$d = 2.4889 - 5.507 \times 10^{-4}\ T$	780-1120		5	a
55-45	$d = 2.4457 - 5.6 \times 10^{-4}\ T$	780-1120		5	a
65-35	$d = 2.4305 - 6.298 \times 10^{-4}\ T$	780-1120		5	a
70-30	$d = 2.3727 - 6.136 \times 10^{-4}\ T$	780-1120		5	a
75-25	$d = 2.3542 - 6.414 \times 10^{-4}\ T$	840-1120		5	a
80-20	$d = 2.3414 - 6.56 \times 10^{-4}\ T$	940-1120		5	a
100-0	$d = 2.1988 - 6.4 \times 10^{-4}\ T$	1080-1120	(299)	5	a
	KCl-NaBr				
50-50	$d = 2.648 - 7.28 \times 10^{-4}\ T$	900-1070		2	a
100-0	$d = 2.146 - 5.85 \times 10^{-4}\ T$	1060-1100	(300)	2	a
0-100 NaBr	$d = 1.487 + 0.007827\ C$	1073	(301)	2	a,n
	KCl-NaCl				
0-100	$d = 2.1365 - 5.4052 \times 10^{-4}\ T$	1080-1290	(302)	5	a
15.23-84.77	$d = 2.14 - 5.5381 \times 10^{-4}\ T$	1065-1185		5	a
27.06-72.94	$d = 2.1374 - 5.59 \times 10^{-4}\ T$	990-1185		5	a
34.85-65.15	$d = 2.1338 - 5.5749 \times 10^{-4}\ T$	990-1185		5	a
48.77-51.23	$d = 2.1314 - 5.6793 \times 10^{-4}\ T$	945-1170		5	a
59.00-41.00	$d = 2.1342 - 5.7477 \times 10^{-4}\ T$	960-1170		5	a
79.25-20.75	$d = 2.1377 - 5.8127 \times 10^{-4}\ T$	1005-1200		5	a
100-0	$d = 2.1359 - 5.831 \times 10^{-4}\ T$	1053-1212	(303)	5	a
	$KCl-NaCl-PbCl_2$				
0-0-100	$d = 6.04 - 0.0014\ T$	823-873	(304)	27	k
10-30-60	$d = 4.86 - 0.0012\ T$	723-873		27	k
10-10-80	$d = 5.86 - 0.0014\ T$	773-873		27	k
20-20-60	$d = 4.76 - 0.0012\ T$	723-873		27	k
30-10-60	$d = 4.28 - 7. \times 10^{-4}\ T$	723-873		27	k
30-30-40	$d = 3.15 - 1. \times 10^{-4}\ T$	823-873		27	k
	$KCl-NaCl-YCl_3$				
8.1-8.1-83.8	$d = 3.052 - 5.835 \times 10^{-4}\ T$	1079-1205		28	k
15.4-15.4-69.2	$d = 2.96 - 6.142 \times 10^{-4}\ T$	1082-1258		28	k
25.05-25.05-49.9	$d = 2.774 - 6.038 \times 10^{-4}\ T$	1076-1253		28	k
36.1-36.1-27.8	$d = 2.491 - 5.294 \times 10^{-4}\ T$	1078-1223		28	k
41.85-41.85-16.3	$d = 2.434 - 5.907 \times 10^{-4}\ T$	1093-1268		28	k
50.0-50.0-0.0	$d = 2.036 - 5.47 \times 10^{-4}\ T$	1088-1273		28	k
	KCl-NaI				
0.0-100.0	$d = 3.685 - 0.001\ T$	950-1070	(305)	2	a
5.0-95.0	$d = 3.574 - 9.43 \times 10^{-4}\ T$	930-1070		2	a
15.0-85.0	$d = 3.343 - 8.24 \times 10^{-4}\ T$	880-1070		2	a
33.3-66.7	$d = 3.217 - 9. \times 10^{-4}\ T$	810-1070		2	a
50.0-50.0	$d = 2.947 - 8.15 \times 10^{-4}\ T$	830-1070		2	a
66.3-33.7	$d = 2.681 - 7.27 \times 10^{-4}\ T$	850-1070		2	a
85.0-15.0	$d = 2.366 - 6.25 \times 10^{-4}\ T$	970-1070		2	a
95.0-5.0	$d = 2.228 - 6.1 \times 10^{-4}\ T$	1030-1070		2	a
100.0-0.0	$d = 2.146 - 5.85 \times 10^{-4}\ T$	1060-1100	(306)	2	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	$KCl-Na_2B_4O_7$				
100-30 $Na_2B_4O_7$	$d = 2.961 - 0.00902\ C$	1223	(307)	3	a
	$KCl-Na_2CO_3$				
18.2-81.8	$d = 2.4029 - 4.198 \times 10^{-4}\ T$	1100-1150		3	a,o
33.3-66.7	$d = 2.3318 - 4.086 \times 10^{-4}\ T$	973-1148		3	a,o
46.2-53.8	$d = 2.2639 - 3.967 \times 10^{-4}\ T$	980-1150		3	a,o
57.1-42.9	$d = 2.2206 - 4.067 \times 10^{-4}\ T$	973-1148		3	a,o
66.7-33.3	$d = 2.2066 - 4.395 \times 10^{-4}\ T$	920-1150		3	a,o
77.8-22.2	$d = 2.1828 - 4.614 \times 10^{-4}\ T$	1023-1148		3	a,o
85.7-14.3	$d = 2.1473 - 4.645 \times 10^{-4}\ T$	980-1150		3	a,o
88.9-11.1	$d = 2.1619 - 5.199 \times 10^{-4}\ T$	1048-1148		3	a,o
94.7-5.3	$d = 2.1573 - 5.481 \times 10^{-4}\ T$	1040-1150		3	a,o
	$KCl-NdCl_3$				
13.8-86.2	$d = 4.089 - 8.75 \times 10^{-4}\ T$	997-1277		16	k
30.3-69.7	$d = 3.879 - 8.85 \times 10^{-4}\ T$	1045-1283		16	k
40.7-59.3	$d = 3.659 - 8.28 \times 10^{-4}\ T$	1021-1281		16	k
57.6-42.4	$d = 3.249 - 7.38 \times 10^{-4}\ T$	1083-1283		16	k
71.6-28.4	$d = 2.837 - 6.4 \times 10^{-4}\ T$	1105-1283		16	k
84.8-15.2	$d = 2.545 - 6.15 \times 10^{-4}\ T$	1093-1278		16	k
100-0	$d = 2.177 - 6.09 \times 10^{-4}\ T$	1122-1281	(308)	16	k
	$KCl-NH_4NO_3$				
4.3-95.7	$d = 1.7796 - 7.516 \times 10^{-4}\ T$	430-450		3	a
8.5-91.5	$d = 1.8124 - 7.924 \times 10^{-4}\ T$	430-450		3	a
12.8-87.2	$d = 1.7908 - 7.084 \times 10^{-4}\ T$	410-450		3	a
14.9-85.1	$d = 1.786 - 6.792 \times 10^{-4}\ T$	430-450		3	a
	$KCl-PbCl_2$				
0-100	$d = 6.112 - 0.0015\ T$	790-970	(309)	5	a
17.9-82.1	$d = 5.533 - 0.00142\ T$	840-970		5	a
36.2-63.8	$d = 4.863 - 0.00128\ T$	860-950		5	a
52.6-47.4	$d = 4.269 - 0.00113\ T$	770-950		5	a
	$KCl-PrCl_3$				
18.6-81.4	$d = 3.959 - 8.74 \times 10^{-4}\ T$	1093-1273		16	k
31.5-68.5	$d = 3.777 - 8.98 \times 10^{-4}\ T$	1073-1273		16	k
49.7-50.3	$d = 3.357 - 7.61 \times 10^{-4}\ T$	1073-1273		16	k
66.2-33.8	$d = 2.97 - 7.07 \times 10^{-4}\ T$	1076-1273		16	k
79.5-20.5	$d = 2.572 - 5.71 \times 10^{-4}\ T$	1073-1273		16	k
91.1-8.9	$d = 2.278 - 5.39 \times 10^{-4}\ T$	1073-1231		16	k
100-0	$d = 2.177 - 6.09 \times 10^{-4}\ T$	1122-1281	(310)	16	k
	KCl-RbBr				
0-100 KCl	$d = 2.599 - 0.00697\ C - 9.76 \times 10^{-5}\ C^2 + 1.247 \times 10^{-6}\ C^3 - 6.73 \times 10^{-9}\ C^4$	1073	(311)	2	a,n
	KCl-RbCl				
0-100	$d = 3.0863 - 8.514 \times 10^{-4}\ T$	1020-1230	(312)	5	a
25-75	$d = 2.9062 - 8.249 \times 10^{-4}\ T$	1030-1150		5	a
50-50	$d = 2.6333 - 7.264 \times 10^{-4}\ T$	1060-1170		5	a
75-25	$d = 2.4094 - 6.694 \times 10^{-4}\ T$	1060-1190		5	a
100-0	$d = 2.1089 - 5.583 \times 10^{-4}\ T$	1060-1210	(313)	5	a
	$KCl-SrCl_2$				
0-100	$d = 3.311 - 5.21 \times 10^{-4}\ T$	1150-1290	(314)	5	a
20-80	$d = 3.1221 - 5.54 \times 10^{-4}\ T$	1090-1270		5	a
40-60	$d = 3.023 - 6.564 \times 10^{-4}\ T$	1090-1270		5	a
60-40	$d = 2.6376 - 5.432 \times 10^{-4}\ T$	1100-1260		5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
80-20	$d = 2.4294 - 6.627 \times 10^{-4}$ T	1080-1230		5	a
100-0	$d = 2.0627 - 5.341 \times 10^{-4}$ T	1100-1320	(315)	5	a,e
	$KCl-ThCl_4$				
0-100	$d = 4.822 - 0.0014$ T	1075-1173	(316)	29	k
17.4-82.6	$d = 4.344 - 0.00115$ T	1008-1123		29	k
31.3-68.7	$d = 4.204 - 0.00115$ T	883-1123		29	k
34.2-65.8	$d = 4.281 - 0.00125$ T	843-1073		29	k
44.5-55.5	$d = 4.103 - 0.0012$ T	713-1073		29	k
49.7-50.3	$d = 4.159 - 0.00132$ T	748-1073		29	k
55.5-44.5	$d = 4.016 - 0.00125$ T	723-1073		29	k
61.6-38.4	$d = 3.897 - 0.00121$ T	793-1073		29	k
66.8-33.2	$d = 3.599 - 0.00102$ T	923-1123		29	k
74.3-25.7	$d = 3.472 - 0.00105$ T	1003-1123		29	k
80.9-19.1	$d = 3.292 - 0.0011$ T	973-1123		29	k
85.3-14.7	$d = 3.036 - 0.001$ T	925-1123		29	k
95.2-4.8	$d = 2.684 - 9.5 \times 10^{-4}$ T	1053-1123		29	k
100-0	$d = 2.146 - 5.95 \times 10^{-4}$ T	1075-1173	(317)	29	k
	$KCl-UCl_3$				
0-100	$d = 13.652 - 0.007943$ T	1220-1300	(318)	5	a
25.5-74.5	$d = 8.7 - 0.0042835$ T	1220-1260		5	a
32.5-67.5	$d = 8.405 - 0.0041819$ T	1180-1270		5	a
62.9-37.1	$d = 4.099 - 0.001224$ T	1090-1280		5	a
74.4-25.6	$d = 3.981 - 0.0013827$ T	1230-1280		5	a
88.3-11.7	$d = 2.852 - 7.818 \times 10^{-4}$ T	1130-1270		5	a
97.6-2.4	$d = 2.255 - 5.288 \times 10^{-4}$ T	1170-1250		5	a
100-0	$d = 2.0343 - 5.288 \times 10^{-4}$ T	1090-1290	(319)	5	a
	$KCl-UCl_4$				
0.00-100.00	$d = 5.2508 - 0.0019455$ T	870-940	(320)	5	a
4.47-95.53	$d = 5.1147 - 0.0018524$ T	860-890		5	a
9.66-90.34	$d = 4.6922 - 0.001415$ T	860-910		5	a
16.74-83.26	$d = 4.5715 - 0.0013649$ T	840-890		5	a
25.76-74.24	$d = 4.5627 - 0.0014728$ T	800-890		5	a
35.65-64.35	$d = 4.2492 - 0.0013107$ T	810-910		5	a
46.30-53.70	$d = 3.8979 - 0.0010732$ T	840-920		5	a
54.38-45.62	$d = 3.6615 - 9.654 \times 10^{-4}$ T	850-930		5	a
	$KCl-YCl_3$				
19.8-80.2	$d = 3.063 - 6.312 \times 10^{-4}$ T	1073-1276		28	k
36.8-63.2	$d = 2.969 - 6.199 \times 10^{-4}$ T	1092-1263		28	k
55.6-44.4	$d = 2.635 - 5.594 \times 10^{-4}$ T	1073-1273		28	k
70.1-29.9	$d = 2.51 - 5.54 \times 10^{-4}$ T	1154-1272		28	k
84.2-15.8	$d = 2.36 - 5.79 \times 10^{-4}$ T	1073-1273		28	k
	$KCl-ZnCl_2$				
0.00-100.00	$d = 2.8375 - 5.293 \times 10^{-4}$ T	590-830	(321)	5	a
2.48-97.52	$d = 2.844 - 5.552 \times 10^{-4}$ T	600-760		5	a
4.57-95.43	$d = 2.8401 - 5.608 \times 10^{-4}$ T	580-860		5	a
6.30-93.70	$d = 2.8164 - 5.465 \times 10^{-4}$ T	600-760		5	a
9.54-90.46	$d = 2.8079 - 5.627 \times 10^{-4}$ T	600-780		5	a
16.30-83.70	$d = 2.8246 - 6.364 \times 10^{-4}$ T	580-740		5	a
27.60-72.40	$d = 2.7976 - 6.989 \times 10^{-4}$ T	560-860		5	a
34.80-65.20	$d = 2.761 - 7.169 \times 10^{-4}$ T	560-880		5	a
42.20-57.80	$d = 2.7097 - 7.239 \times 10^{-4}$ T	520-880		5	a
46.10-53.90	$d = 2.6727 - 7.197 \times 10^{-4}$ T	520-860		5	a
52.60-47.40	$d = 2.6084 - 6.982 \times 10^{-4}$ T	540-860		5	a
61.60-38.40	$d = 2.5092 - 6.6 \times 10^{-4}$ T	720-860		5	a

Table 2.1.a Density data (continued)

(mol %)	Equation Density (g cm⁻³)	T range(K)	Accur.	Ref.	Comment
72.0-28.0	$d = 2.436 - 6.403 \times 10^{-4}$ T	750-888		19,20	k
80.7-19.3	$d = 2.356 - 6.325 \times 10^{-4}$ T	919-1036		19,20	k
85.1-14.9	$d = 2.3 - 6.157 \times 10^{-4}$ T	968-1113		19,20	k
100-0	$d = 2.164 - 6.023 \times 10^{-4}$ T	1057-1215	(322)	19,20	k
	$KCl-ZnSO_4$				
24.74-75.26	$d = 3.2021 - 6.721 \times 10^{-4}$ T	750-820		3	a,e,o
28.29-71.71	$d = 2.976 - 4.84 \times 10^{-4}$ T	750-820		3	a,e,o
30.73-69.27	$d = 3.0969 - 6.918 \times 10^{-4}$ T	750-820		3	a,e,o
31.72-68.28	$d = 3.0614 - 6.72 \times 10^{-4}$ T	750-820		3	a,e,o
33.23-66.77	$d = 2.9978 - 6.04 \times 10^{-4}$ T	750-820		3	a,o
35.00-65.00	$d = 3.1085 - 7.599 \times 10^{-4}$ T	750-820		3	a,e,o
40.15-59.85	$d = 2.9054 - 6.518 \times 10^{-4}$ T	750-820		3	a,e,o
45.00-55.00	$d = 2.8491 - 6.881 \times 10^{-4}$ T	750-820		3	a,e,o
49.06-50.94	$d = 2.7707 - 6.64 \times 10^{-4}$ T	750-820		3	a,e,o
54.61-45.39	$d = 2.6747 - 6.44 \times 10^{-4}$ T	750-820		3	a,e,o
56.41-43.59	$d = 2.7105 - 7.121 \times 10^{-4}$ T	750-820		3	a,o
57.18-42.82	$d = 2.6616 - 6.521 \times 10^{-4}$ T	750-820		3	a,o
58.11-41.89	$d = 2.6606 - 6.721 \times 10^{-4}$ T	750-820		3	a,e,o

For additional KCl systems, see : AgBr- ; AgCl- ; $AlBr_3$- ; $AlCl_3$- ; $BaCl_2$- ; BaF_2- ; $BeCl_2$- ; $CaCl_2$- ; $CdBr_2$- ; $CdCl_2$- ; $CeCl_3$- ; CsBr- ; CsCl- ; CsI- ; CuCl- ; KBr-

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	$KCl*NaCl-LaCl_3$				
84.7-15.3	$d = 2.5038 - 5.9999 \times 10^{-4}$ T	973-1123		18	k
97.9-3.0	$d = 2.2973 - 6.2 \times 10^{-5}$ T	973-1123	(323)	18	k,z
93-7-6.3	$d = 2.3403 - 5.7999 \times 10^{-4}$ T	973-1123		18	k
	$KCl*NaCl-NdCl_3$				
85.0-15.0	$d = 2.5857 - 6.4 \times 10^{-4}$ T	973-1123		18	k
93.8-6.2	$d = 2.4276 - 6.8 \times 10^{-4}$ T	973-1123		18	k
97.1-2.9	$d = 2.5069 - 8.2 \times 10^{-4}$ T	973-1123	(324)	18	z,k
	$KCl*NaCl-PrCl_3$				
84.8-15.2	$d = 2.9384 - 0.00106$ T	923-1123		18	k
93.7-6.3	$d = 2.758 - 0.001$ T	973-1123		18	k
97.1-2.9	$d = 2.2319 - 5.5999 \times 10^{-4}$ T	973-1123	(325)	18	k,z
	$KCl*NaCl-SmCl_3$				
85.3-14.7	$d = 2.6584 - 8. \times 10^{-4}$ T	973-1123		18	k
93.9-6.1	$d = 2.6472 - 8.7999 \times 10^{-4}$ T	973-1123		18	k
97.2-2.8	$d = 2.3996 - 7.2 \times 10^{-4}$ T	973-1123	(326)	18	k,z

For additional KCl*NaCl systems, see : $CeCl_3$-

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	$KClO_4-KNO_3$				
0-100	$d = 2.313 - 7.35 \times 10^{-4}$ T	620-800	(327)	3	a
5-95	$d = 2.273 - 6.7 \times 10^{-4}$ T	610-670		3	a
15-85	$d = 2.34 - 7.5 \times 10^{-4}$ T	630-670		3	a
30-70	$d = 2.334 - 7.3 \times 10^{-4}$ T	680-690		3	a
	$KClO_4-LiClO_4$				
0-100	$d = 2.3801 - 6.826 \times 10^{-4}$ T	543-633	(328)	6	a
5-95	$d = 2.3743 - 6.745 \times 10^{-4}$ T	520-620		6	a
15-85	$d = 2.4236 - 7.476 \times 10^{-4}$ T	520-620		6	a
25-75	$d = 2.451 - 7.817 \times 10^{-4}$ T	500-620		6	a
35-65	$d = 2.4913 - 8.387 \times 10^{-4}$ T	540-630		6	a
	$KClO_4-LiNO_3$				
0-100	$d = 1.9892 - 4.137 \times 10^{-4}$ T	540-680	(329)	3	a
5-95	$d = 2.1467 - 6.308 \times 10^{-4}$ T	540-680		3	a
14-86	$d = 2.1287 - 5.641 \times 10^{-4}$ T	520-680		3	a
25-75	$d = 2.2076 - 6.384 \times 10^{-4}$ T	580-680		3	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
45-55	d = 2.3113 - 7.002 x 10^{-4} T	660-680		3	a
	$KClO_4$-$NaNO_3$				
0-100	d = 2.3206 - 7.151 x 10^{-4} T	600-680	(330)	3	a
10-90	d = 2.3093 - 6.719 x 10^{-4} T	560-680		3	a
22-78	d = 2.3322 - 6.72 x 10^{-4} T	540-680		3	a
40-60	d = 2.3974 - 7.478 x 10^{-4} T	640-680		3	a
	KF				
100	d = 2.6464 - 6.515 x 10^{-4} T	1154-1310	±0.5%	1	a
	KF-KI				
0-100	d = 3.3927 - 9.782 x 10^{-4} T	1010-1090	(331)	2	a
12-88	d = 3.3108 - 9.33 x 10^{-4} T	1010-1130		2	a
25-75	d = 3.2247 - 8.905 x 10^{-4} T	1050-1170		2	a
37-63	d = 3.1716 - 8.729 x 10^{-4} T	1080-1180		2	a
50-50	d = 3.0887 - 8.359 x 10^{-4} T	1020-1150		2	a
63-37	d = 3.0044 - 8.001 x 10^{-4} T	1040-1190		2	a
75-25	d = 2.9281 - 7.754 x 10^{-4} T	1060-1190		2	a
88-12	d = 2.8122 - 7.262 x 10^{-4} T	1100-1220		2	a
100-0	d = 2.6806 - 6.75 x 10^{-4} T	1150-1250	(332)	2	a
	KF-K_2ZrF_6				
0-100	d = 3.098 - 7.119 x 10^{-4} T	1073-1253	(333)	3	a,e
10-90	d = 3.182 - 8.04 x 10^{-4} T	1233-1253		3	a,e
20-80	d = 3.041 - 7.04 x 10^{-4} T	1233-1253		3	a,e
30-70	d = 3.16 - 8.042 x 10^{-4} T	1233-1253		3	a,e
40-60	d = 3.064 - 7.504 x 10^{-4} T	1233-1253		3	a,e
50-50	d = 3.489 - 0.001102 T	1233-1253		3	a,e
60-40	d = 3.29 - 9.53 x 10^{-4} T	1233-1253		3	a,e
70-30	d = 3.201 - 9.04 x 10^{-4} T	1233-1253		3	a,e
80-20	d = 3.158 - 9.045 x 10^{-4} T	1233-1253		3	a,e
90-10	d = 3.064 - 9.02 x 10^{-4} T	1233-1253		3	a,e
100-0	d = 2.849 - 8.507 x 10^{-4} T	1233-1253	(334)	3	a,e
	KF-LaF_3				
60.0-40.0	d = 4.09 - 8.03 x 10^{-4} T	1215-1350		10	a
70.0-30.0	d = 3.738 - 7.682 x 10^{-4} T	1080-1350		10	a
78.0-22.0	d = 3.454 - 7.537 x 10^{-4} T	1050-1350		10	a,k
80.0-20.0	d = 3.386 - 7.555 x 10^{-4} T	1050-1350		10	a
90.0-10.0	d = 2.983 - 6.947 x 10^{-4} T	1095-1350		10	a
100.0-0.0	d = 2.555 - 6.241 x 10^{-4} T	1140-1350	(335)	10	a
	KF-LiF				
0.0-100.0	d = 2.074 - 3.321 x 10^{-4} T	1140-1340	(336)	10	a
15.0-85.0	d = 2.278 - 4.663 x 10^{-4} T	1120-1340		10	a
30.0-70.0	d = 2.273 - 4.927 x 10^{-4} T	1120-1340		10	a
50.0-50.0	d = 2.407 - 5.362 x 10^{-4} T	1120-1340		10	a
65.0-35.0	d = 2.484 - 5.872 x 10^{-4} T	980-1340		10	a
80.0-20.0	d = 2.483 - 5.68 x 10^{-4} T	1080-1340		10	a
100.0-0.0	d = 2.555 - 6.241 x 10^{-4} T	1140-1350	(337)	10	a
	KF-Li_2CO_3				
10-90	d = 2.164 - 2.99 x 10^{-4} T	1140-1220		3	a,o
30-70	d = 2.221 - 3.44 x 10^{-4} T			3	a,o
40-60	d = 2.266 - 3.71 x 10^{-4} T	1140-1220		3	a,o
50-50	d = 2.387 - 4.73 x 10^{-4} T			3	a,o
60-40	d = 2.432 - 5.02 x 10^{-4} T	1140-1220		3	a,o
90-10	d = 2.524 - 5.61 x 10^{-4} T	1140-1220		3	a,o
100-0	d = 2.664 - 6.69 x 10^{-4} T	1140-1250	(338)	3	a,o
	KF-NaCl				
0-70 KF	d = 1.55 + 5.248 x 10^{-4} C + 4.704 x 10^{-5} C^2 - 2.269 x 10^{-7} C^3	1073	(339)	2	a,n

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	KF-NaF				
0.0-100.0	$d = 2.682 - 6.151 \times 10^{-4}\ T$	1275-1350	(340)	10	a
20.0-80.0	$d = 2.601 - 5.878 \times 10^{-4}\ T$	1200-1350		10	a
40.0-60.0	$d = 2.53 - 5.641 \times 10^{-4}\ T$	1125-1350		10	a
60.0-40.0	$d = 2.568 - 6. \times 10^{-4}\ T$	1050-1350		10	a
75.0-25.0	$d = 2.114 - 2.853 \times 10^{-4}\ T$	1065-1350		10	a
88.0-12.0	$d = 1.867 - 1.011 \times 10^{-4}\ T$	1095-1350		10	a
100.0-0.0	$d = 2.555 - 6.241 \times 10^{-4}\ T$	1140-1350	(341)	10	a
	KF-$Na_2B_4O_7$				
100-40 $Na_2B_4O_7$	$d = 2.609 - 0.01756\ C + 1.216 \times 10^{-4}\ C^2$	1223	(342)	3	a
	KF-Na_3AlF_6				
0-100	$d = 2.115 - 9.82 \times 10^{-4}\ T$	1273-1373	(343)	11	k
3.4-96.6	$d = 3.370651 - 9.8791 \times 10^{-4}\ T$	1291-1367		11	k
10.1-89.9	$d = 3.34193 - 9.6886 \times 10^{-4}\ T$	1280-1356		11	k
16.1-83.9	$d = 3.330499 - 9.6799 \times 10^{-4}\ T$	1280-1360		11	k
23.9-76.1	$d = 3.321357 - 9.6596 \times 10^{-4}\ T$	1252-1346		11	k
35.1-64.9	$d = 3.279155 - 9.4556 \times 10^{-4}\ T$	1237-1354		11	k
45.8-54.2	$d = 3.258434 - 9.4318 \times 10^{-4}\ T$	1217-1358		11	k
54.7-45.3	$d = 3.224554 - 9.3157 \times 10^{-4}\ T$	1201-1327		11	k
	KF-SmF_3				
50.0-50.0	$d = 4.636 - 6.493 \times 10^{-4}\ T$	1230-1340		10	a
60.0-40.0	$d = 4.414 - 8.576 \times 10^{-4}\ T$	1130-1340		10	a
70.0-30.0	$d = 4.024 - 8.605 \times 10^{-4}\ T$	1130-1340		10	a
80.0-20.0	$d = 3.515 - 7.612 \times 10^{-4}\ T$	1100-1340		10	a
90.0-10.0	$d = 3.038 - 6.836 \times 10^{-4}\ T$	1100-1340		10	a
100.0-0.0	$d = 2.555 - 6.241 \times 10^{-4}\ T$	1140-1340	(344)	10	a
	KF-ThF_4				
72.5-27.5	$d = 4.231 - 8.335 \times 10^{-4}\ T$	1120-1350		10	a
80.3-19.7	$d = 3.963 - 8.779 \times 10^{-4}\ T$	1160-1350		10	a
86.3-13.7	$d = 3.625 - 8.359 \times 10^{-4}\ T$	1090-1350		10	a
92.9-7.1	$d = 3.385 - 9.768 \times 10^{-4}\ T$	1100-1350		10	a
100.0-0.0	$d = 2.555 - 6.241 \times 10^{-4}\ T$	1140-1350	(345)	10	a
	KF-UF_4				
40.0-60.0	$d = 6.174 - 0.001009\ T$	1120-1350		10	a
50.0-50.0	$d = 5.974 - 0.001296\ T$	1110-1350		10	a
60.0-40.0	$d = 5.218 - 0.001106\ T$	1120-1350		10	a
70.0-30.0	$d = 4.618 - 0.001011\ T$	1220-1350		10	a
80.0-20.0	$d = 3.681 - 6.407 \times 10^{-4}\ T$	1230-1350		10	a
92.5-7.5	$d = 3.387 - 9.629 \times 10^{-4}\ T$	1130-1350		10	a
100.0-0.0	$d = 2.555 - 6.241 \times 10^{-4}\ T$	1140-1350	(346)	10	a
	KF-YF_3				
47.5-52.5	$d = 3.775 - 6.558 \times 10^{-4}\ T$	1170-1350		10	a
57.0-43.0	$d = 3.517 - 6.406 \times 10^{-4}\ T$	1200-1350		10	a,k
57.5-42.5	$d = 3.551 - 6.772 \times 10^{-4}\ T$	1200-1350		10	a
70.0-30.0	$d = 3.177 - 6.11 \times 10^{-4}\ T$	1230-1350		10	a
82.5-17.5	$d = 2.825 - 5.429 \times 10^{-4}\ T$	1170-1350		10	a
92.5-7.5	$d = 2.717 - 6.293 \times 10^{-4}\ T$	1080-1350		10	a
100-0	$d = 2.555 - 6.241 \times 10^{-4}\ T$	1140-1350	(347)	10	a
	KF-ZrF_4				
0.0-33.3 ZrF_4	$d = 1.797 + 0.02556\ C - 7.701 \times 10^{-4}\ C^2 + 1.12 \times 10^{-5}\ C^3$	1233	(348)	10	a,n
For additional KF systems, see : AlF_3- ; Al_2O_3- ; $BaCl_2$- ; BaF_2- ; CeF_3- ; KBr- ; KCl-					
	$KHSO_4$				
100	$d = 2.579 - 8.646 \times 10^{-4}\ T$	489-528	±1.5%	30	k

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	KI				
100	$d = 3.3594 - 9.557 \times 10^{-4}$ T	955-1177	±0.5%	1	a
	$KI-LaI_3$				
0.00-100.00	$d = 5.4581 - 0.0011109$ T	1130-1180	(349)	4	a
39.60-60.40	$d = 4.8287 - 0.0010932$ T	1020-1180		4	a
59.64-40.36	$d = 4.4004 - 0.0010295$ T	1020-1180		4	a
79.84-20.16	$d = 3.8346 - 8.836 \times 10^{-4}$ T	1020-1180		4	a
100.00-0.00	$d = 3.3027 - 8.999 \times 10^{-4}$ T	1030-1180	(350)	4	a
	KI-LiI				
0.0-100.0	$d = 3.7063 - 8.172 \times 10^{-4}$ T	770-910	(351)	4	a
17.27-82.73	$d = 3.5211 - 8.71 \times 10^{-4}$ T	900-1090		4	a
21.19-78.81	$d = 3.3676 - 7.618 \times 10^{-4}$ T	900-1040		4	a
49.7-50.3	$d = 3.3159 - 8.595 \times 10^{-4}$ T	910-1080		4	a
67.14-32.86	$d = 3.327 - 8.41 \times 10^{-4}$ T	910-1120		4	a
100.0-0.0	$d = 3.3336 - 9.29 \times 10^{-4}$ T	1000-1160	(352)	4	a
	KI-NaCl				
0.0-100.0	$d = 2.165 - 5.66 \times 10^{-4}$ T	1090-1200	(353)	2	a
15.0-85.0	$d = 2.426 - 6.32 \times 10^{-4}$ T	1000-1070		2	a
30.0-70.0	$d = 2.677 - 7.06 \times 10^{-4}$ T	920-1070		2	a
50.0-50.0	$d = 2.951 - 8.19 \times 10^{-4}$ T	830-1070		2	a
70.0-30.0	$d = 3.127 - 8.58 \times 10^{-4}$ T	850-1070		2	a
85.0-15.0	$d = 3.298 - 9.65 \times 10^{-4}$ T	910-1070		2	a
100.0-0.0	$d = 3.37 - 9.6 \times 10^{-4}$ T	970-1070	(354)	2	a
	KI-NaI				
0-100	$d = 3.6144 - 9.392 \times 10^{-4}$ T	960-1130	(355)	4	a
20-80	$d = 3.5477 - 9.467 \times 10^{-4}$ T	910-1130		4	a
40-60	$d = 3.4977 - 9.506 \times 10^{-4}$ T	870-1160		4	a
60-40	$d = 3.4395 - 9.437 \times 10^{-4}$ T	890-1130		4	a
80-20	$d = 3.4045 - 9.559 \times 10^{-4}$ T	930-1130		4	a
100-0	$d = 3.3583 - 9.553 \times 10^{-4}$ T	970-1190	(356)	4	a
	$KI-NdI_3$				
0.00-100.00	$d = 5.4069 - 0.0010701$ T	1120-1190	(357)	4	a
19.00-81.00	$d = 5.1447 - 0.0010865$ T	1020-1190		4	a
38.34-61.66	$d = 4.8583 - 0.0011077$ T	1020-1190		4	a
50.92-49.08	$d = 4.7014 - 0.0011444$ T	1030-1160		4	a
60.33-39.67	$d = 4.4489 - 0.0010643$ T	1040-1190		4	a
68.65-31.35	$d = 4.2473 - 0.0010233$ T	1000-1180		4	a
79.74-20.26	$d = 3.9602 - 9.795 \times 10^{-4}$ T	1000-1180		4	a
100.00-0.00	$d = 3.3027 - 8.999 \times 10^{-4}$ T	1030-1180	(358)	4	a
	$KI-PbI_2$				
0-100	$d = 6.7797 - 0.0015938$ T	700-960	(359)	4	a
10-90	$d = 6.5041 - 0.0015538$ T	680-960		4	a
20-80	$d = 6.2308 - 0.0015218$ T	660-980		4	a
30-70	$d = 5.9766 - 0.0015277$ T	620-960		4	a
33-67	$d = 5.8488 - 0.0014881$ T	620-980		4	a
40-60	$d = 5.6518 - 0.0014737$ T	640-960		4	a
50-50	$d = 5.283 - 0.001364$ T	760-960		4	a
60-40	$d = 5.0218 - 0.0013867$ T	800-960		4	a
80-20	$d = 4.0632 - 0.0010099$ T	920-1020		4	a
90-10	$d = 3.7256 - 9.907 \times 10^{-4}$ T	940-1020		4	a
100-0	$d = 3.3583 - 9.553 \times 10^{-4}$ T	980-1180	(360)	4	a
	KI-RbI				
0-100	$d = 3.9667 - 0.0011613$ T	950-1120	(361)	4	a
50-50	$d = 3.6862 - 0.0010801$ T	960-1130		4	a
100-0	$d = 3.3336 - 9.29 \times 10^{-4}$ T	990-1170	(362)	4	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	KI-TlI				
0-100	$d = 6.232 - 6.816 \times 10^{-4}\ T$	813-970	(363)	4	a,e
10-90	$d = 6.322 - 0.001102\ T$	813-970		4	a,e
20-80	$d = 6 - 0.001108\ T$	813-970		4	a,e
30-70	$d = 5.501 - 9.364 \times 10^{-4}\ T$	813-970		4	a,e
40-60	$d = 4.985 - 7.453 \times 10^{-4}\ T$	813-970		4	a,e
50-50	$d = 4.549 - 6.306 \times 10^{-4}\ T$	813-970		4	a,e
60-40	$d = 4.226 - 6.242 \times 10^{-4}\ T$	813-970		4	a,e
70-30	$d = 4.005 - 7.134 \times 10^{-4}\ T$	813-970		4	a,e
80-20	$d = 3.8 - 8.089 \times 10^{-4}\ T$	813-970		4	a,e
90-10	$d = 3.466 - 7.644 \times 10^{-4}\ T$	813-970		4	a,e
100-0	$d = 2.8 - 3.694 \times 10^{-4}\ T$	813-970	(364)	4	a,e
For additional KI systems, see : AlI_3- ; CdI_2- ; CsCl- ; GdI_3- ; KBr- ; KCl- ; KF-					
	KNO_2				
100	$d = 2.167 - 6.67 \times 10^{-4}\ T$	713-773	±1.5%	1	a
	KNO_2-KNO_3				
0-100	$d = 2.29629 - 7.075 \times 10^{-4}\ T$	620-770	(365)	7	a,e
10-90	$d = 2.2872 - 7.075 \times 10^{-4}\ T$	620-770		7	a,e
20-80	$d = 2.2781 - 7.075 \times 10^{-4}\ T$	620-770		7	a,e
22.5-77.5	$d = 2.2758 - 7.075 \times 10^{-4}\ T$	620-770		7	a,e
30-70	$d = 2.2689 - 7.075 \times 10^{-4}\ T$	620-770		7	a,e
40-60	$d = 2.2598 - 7.075 \times 10^{-4}\ T$	620-770		7	a,e
50-50	$d = 2.2507 - 7.075 \times 10^{-4}\ T$	620-770		7	a,e
60-40	$d = 2.2416 - 7.075 \times 10^{-4}\ T$	640-770		7	a,e
70-30	$d = 2.2325 - 7.075 \times 10^{-4}\ T$	660-770		7	a,e
80-20	$d = 2.2234 - 7.075 \times 10^{-4}\ T$	680-770		7	a,e
90-10	$d = 2.2143 - 7.075 \times 10^{-4}\ T$	700-770		7	a,e
100-0	$d = 2.167 - 6.67 \times 10^{-4}\ T$	713-773	(366)	7	a,e
	KNO_2-K_2MoO_4				
80-20	$d = 2.5949 - 8.02 \times 10^{-4}\ T$	840-1020		3	a
82-18	$d = 2.5531 - 7.888 \times 10^{-4}\ T$	840-1020		3	a
86-14	$d = 2.4371 - 7.236 \times 10^{-4}\ T$	780-1020		3	a
90-10	$d = 2.3083 - 6.432 \times 10^{-4}\ T$	720-960		3	a
92-8	$d = 2.2564 - 6.173 \times 10^{-4}\ T$	720-960		3	a
94-6	$d = 2.1966 - 5.847 \times 10^{-4}\ T$	720-900		3	a
96-4	$d = 2.1357 - 5.47 \times 10^{-4}\ T$	720-900		3	a
100-0	$d = 2.0239 - 4.824 \times 10^{-4}\ T$	720-900	(367)	3	a
	KNO_2-K_2WO_4				
80-20	$d = 2.8301 - 7.767 \times 10^{-4}\ T$	900-1020		3	a
82-18	$d = 2.6902 - 6.851 \times 10^{-4}\ T$	840-1020		3	a
84-16	$d = 2.6331 - 6.854 \times 10^{-4}\ T$	840-1020		3	a
86-14	$d = 2.5639 - 6.69 \times 10^{-4}\ T$	780-1020		3	a
88-12	$d = 2.4647 - 6.194 \times 10^{-4}\ T$	780-1020		3	a
92-8	$d = 2.3195 - 5.78 \times 10^{-4}\ T$	720-1020		3	a
94-6	$d = 2.2565 - 5.683 \times 10^{-4}\ T$	720-960		3	a
96-4	$d = 2.1814 - 5.427 \times 10^{-4}\ T$	720-920		3	a
100-0	$d = 2.0239 - 4.824 \times 10^{-4}\ T$	720-920	(368)	3	a,b,e
	KNO_2-$NaNO_2$				
0-100	$d = 2.1619 - 6.497 \times 10^{-4}\ T$	575-770	(369)	7	a,e
10-90	$d = 2.1206 - 5.9235 \times 10^{-4}\ T$	545-770		7	a,e
10-90	$d = 2.13 - 6.12 \times 10^{-4}\ T$	680-770		7	a,e
20-80	$d = 2.1201 - 5.9232 \times 10^{-4}\ T$	530-770		7	a,e
30-70	$d = 2.1209 - 5.9445 \times 10^{-4}\ T$	515-770		7	a,e
35-65	$d = 2.1212 - 5.9508 \times 10^{-4}\ T$	515-770		7	a,e

Table 2.1.a Density data (continued)

(mol %)	Density ($g\ cm^{-3}$) Equation	T range(K)	Accur.	Ref.	Comment
40-60	$d = 2.124 - 6.0002 \times 10^{-4}\ T$	515-770		7	a,e
50-50	$d = 2.1203 - 5.9477 \times 10^{-4}\ T$	560-770		7	a,e
60-40	$d = 2.123 - 5.9998 \times 10^{-4}\ T$	575-770		7	a,e
70-30	$d = 2.1247 - 6.0262 \times 10^{-4}\ T$	605-770		7	a,e
80-20	$d = 2.122 - 5.9998 \times 10^{-4}\ T$	635-770		7	a,e
100-0	$d = 2.167 - 6.67 \times 10^{-4}\ T$	713-773	(370)	7	a,e
	KNO_2-$NaNO_3$				
0-100	$d = 2.30556 - 6.7008 \times 10^{-4}\ T$	595-760	(371)	7	a,e
10-90	$d = 2.2921 - 6.7008 \times 10^{-4}\ T$	565-760		7	a,e
20-80	$d = 2.2787 - 6.7008 \times 10^{-4}\ T$	535-760		7	a,e
30-70	$d = 2.2653 - 6.7008 \times 10^{-4}\ T$	505-760		7	a,e
40-60	$d = 2.2518 - 6.7008 \times 10^{-4}\ T$	475-760		7	a,e
48-52	$d = 2.2411 - 6.7008 \times 10^{-4}\ T$	475-760		7	a,e
50-50	$d = 2.2384 - 6.7008 \times 10^{-4}\ T$	475-760		7	a,e
60-40	$d = 2.225 - 6.7008 \times 10^{-4}\ T$	490-760		7	a,e
70-30	$d = 2.2115 - 6.7008 \times 10^{-4}\ T$	535-760		7	a,e
80-20	$d = 2.1981 - 6.7008 \times 10^{-4}\ T$	580-760		7	a,e
90-10	$d = 2.1847 - 6.7008 \times 10^{-4}\ T$	640-760		7	a,e
100-0	$d = 2.167 - 6.67 \times 10^{-4}\ T$	713-773	(372)	7	a,e
For additional KNO_2 systems, see : $Ba(NO_2)_2$-					
	KNO_3				
100	$d = 2.3063 - 7.235 \times 10^{-4}\ T$	620-730	±0.5%	3	d,i
	KNO_3-KOH				
0-100	$d = 2.009 - 4.32 \times 10^{-4}\ T$	683-823	(373)	3	a
10-90	$d = 2.088 - 5.55 \times 10^{-4}\ T$	700-760		3	a
25-75	$d = 2.053 - 5.25 \times 10^{-4}\ T$	520-760		3	a
33.5-66.5	$d = 2.031 - 5.01 \times 10^{-4}\ T$	520-760		3	a
45-55	$d = 2.075 - 5.8 \times 10^{-4}\ T$	520-760		3	a
50-50	$d = 1.838 - 2.31 \times 10^{-4}\ T$	520-760		3	a
55-45	$d = 2.047 - 5.2 \times 10^{-4}\ T$	520-760		3	a
69-31	$d = 2.067 - 5.1 \times 10^{-4}\ T$	520-760		3	a
80-20	$d = 1.999 - 3.09 \times 10^{-4}\ T$	520-760		3	a
90-10	$d = 2.228 - 6.36 \times 10^{-4}\ T$	610-760		3	a
100-0	$d = 2.134 - 7.03 \times 10^{-4}\ T$	630-770	(374)	3	a
	KNO_3-K_2MoO_4				
80-20	$d = 2.5919 - 7.371 \times 10^{-4}\ T$	830-950		3	a,e
84-16	$d = 2.4936 - 6.892 \times 10^{-4}\ T$	770-950		3	a,e
88-12	$d = 2.48 - 7.47 \times 10^{-4}\ T$	720-970		3	a
92-8	$d = 2.4348 - 7.523 \times 10^{-4}\ T$	680-920		3	a,e
96-4	$d = 2.3437 - 7.044 \times 10^{-4}\ T$	620-860		3	a
98-2	$d = 2.3064 - 6.899 \times 10^{-4}\ T$	620-870		3	a
100-0	$d = 2.2516 - 6.625 \times 10^{-4}\ T$	620-860	(375)	3	a,e
	KNO_3-K_2WO_4				
80-20	$d = 2.7554 - 6.087 \times 10^{-4}\ T$	620-860		3	a
82-18	$d = 2.6807 - 5.982 \times 10^{-4}\ T$	780-970		3	a,e
84-16	$d = 2.6258 - 5.981 \times 10^{-4}\ T$	620-860		3	a,e
86-14	$d = 2.5652 - 5.899 \times 10^{-4}\ T$	780-970		3	a,e
88-12	$d = 2.5255 - 6.097 \times 10^{-4}\ T$	720-970		3	a,e
90-10	$d = 2.4629 - 6.04 \times 10^{-4}\ T$	740-920		3	a
92-8	$d = 2.4126 - 6.082 \times 10^{-4}\ T$	670-920		3	a,e
94-6	$d = 2.3646 - 6.161 \times 10^{-4}\ T$	770-950		3	a,e
96-4	$d = 2.3157 - 6.251 \times 10^{-4}\ T$	620-860		3	a
98-2	$d = 2.2957 - 6.091 \times 10^{-4}\ T$	830-950		3	a,e
100-0	$d = 2.2516 - 6.625 \times 10^{-4}\ T$	620-860	(376)	3	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	KNO_3-$LiClO_4$				
0-100	$d = 2.3185 - 5.772 \times 10^{-4}$ T	520-680	(377)	3	a
16-84	$d = 2.3581 - 6.673 \times 10^{-4}$ T	480-680		3	a
30-70	$d = 2.3283 - 6.574 \times 10^{-4}$ T	580-680		3	a
50-50	$d = 2.4075 - 7.998 \times 10^{-4}$ T	680-700		3	a
70-30	$d = 2.3339 - 7.503 \times 10^{-4}$ T	660-700		3	a
85-15	$d = 2.3199 - 7.501 \times 10^{-4}$ T	580-680		3	a
100-0	$d = 2.3089 - 7.295 \times 10^{-4}$ T	620-730	(378)	3	a
	KNO_3-$LiNO_3$				
0-100	$d = 2.1721 - 7.021 \times 10^{-4}$ T	555-690	(379)	7	a,b,e
10-90	$d = 2.2193 - 6.695 \times 10^{-4}$ T	555-690		7	a,b,e
20-80	$d = 2.2516 - 6.695 \times 10^{-4}$ T	555-705		7	a,b,e
30-70	$d = 2.2569 - 6.695 \times 10^{-4}$ T	555-705		7	a,b,e
40-60	$d = 2.244 - 6.695 \times 10^{-4}$ T	555-720		7	a,b,e
50-50	$d = 2.2216 - 6.695 \times 10^{-4}$ T	540-705		7	a,b,e
58-42	$d = 2.2027 - 6.695 \times 10^{-4}$ T	555-705		7	a,b,e
60-40	$d = 2.1984 - 6.695 \times 10^{-4}$ T	525-705		7	a,b,e
70-30	$d = 2.1831 - 6.695 \times 10^{-4}$ T	540-705		7	a,b,e
80-20	$d = 2.1845 - 6.695 \times 10^{-4}$ T	540-705		7	a,b,e
90-10	$d = 2.2113 - 6.695 \times 10^{-4}$ T	585-720		7	a,b,e
100-0	$d = 2.2722 - 6.695 \times 10^{-4}$ T	630-720	(380)	7	a,b,e
	KNO_3-$Mg(NO_3)_2$				
66.6-33.4	$d = 3.1403 - 0.00105$ T	490-510		7	a,e,1
75.6-24.4	$d = 2.9356 - 9.9273 \times 10^{-4}$ T	480-570		7	a,e,1
83.0-17.0	$d = 2.7417 - 8.9818 \times 10^{-4}$ T	520-610		7	a,e,1
89.0-11.0	$d = 2.6148 - 8.7857 \times 10^{-4}$ T	560-620		7	a,e,1
94.7-5.3	$d = 2.5389 - 8.6667 \times 10^{-4}$ T	590-660		7	a,e,1
100-0	$d = 2.3339 - 7.6667 \times 10^{-4}$ T	620-690	(381)	7	a,e,1
	KNO_3-$NaClO_4$				
36-64	$d = 2.5045 - 8.501 \times 10^{-4}$ T	670-710		3	a
50-50	$d = 2.4589 - 8.198 \times 10^{-4}$ T	670-710		3	a
70-30	$d = 2.406 - 8.005 \times 10^{-4}$ T	630-690		3	a
86-14	$d = 2.3448 - 7.503 \times 10^{-4}$ T	590-690		3	a
100-0	$d = 2.3089 - 7.295 \times 10^{-4}$ T	590-690	(382)	3	a
	KNO_3-$NaNO_2$				
0-100	$d = 2.1619 - 6.4965 \times 10^{-4}$ T	580-760	(383)	7	a,e
10-90	$d = 2.1749 - 6.5017 \times 10^{-4}$ T	535-760		7	a,e
20-80	$d = 2.1879 - 6.5171 \times 10^{-4}$ T	505-760		7	a,e
30-70	$d = 2.2009 - 6.5429 \times 10^{-4}$ T	475-760		7	a,e
40-60	$d = 2.214 - 6.579 \times 10^{-4}$ T	460-760		7	a,e
47.5-52.5	$d = 2.2237 - 6.6128 \times 10^{-4}$ T	460-760		7	a,e
50-50	$d = 2.227 - 6.6253 \times 10^{-4}$ T	460-760		7	a,e
60-40	$d = 2.24 - 6.682 \times 10^{-4}$ T	460-760		7	a,e
70-30	$d = 2.253 - 6.7489 \times 10^{-4}$ T	475-760		7	a,e
80-20	$d = 2.266 - 6.8262 \times 10^{-4}$ T	520-760		7	a,e
90-10	$d = 2.279 - 6.9137 \times 10^{-4}$ T	580-760		7	a,e
100-0	$d = 2.2921 - 7.0116 \times 10^{-4}$ T	625-760	(384)	7	a,e
	KNO_3-$NaNO_3$				
0-100	$d = 2.2775 - 6.3788 \times 10^{-4}$ T	625-720	(385)	7	a,e
10-90	$d = 2.281 - 6.4681 \times 10^{-4}$ T	625-720		7	a,e
20-80	$d = 2.285 - 6.5645 \times 10^{-4}$ T	625-720		7	a,e
30-70	$d = 2.2863 - 6.622 \times 10^{-4}$ T	625-720		7	a,e
40-60	$d = 2.2905 - 6.7242 \times 10^{-4}$ T	625-720		7	a,e
50-50	$d = 2.2906 - 6.7606 \times 10^{-4}$ T	625-720		7	a,e
54-46	$d = 2.2911 - 6.7841 \times 10^{-4}$ T	625-720		7	a,e
60-40	$d = 2.294 - 6.8499 \times 10^{-4}$ T	625-720		7	a,e

Table 2.1.a Density data (continued)

	Density ($g\ cm^{-3}$)				
(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
70-30	$d = 2.2978 - 6.9462 \times 10^{-4}\ T$	625-720		7	a,e
80-20	$d = 2.2992 - 7.0038 \times 10^{-4}\ T$	625-720		7	a,e
90-10	$d = 2.3022 - 7.0849 \times 10^{-4}\ T$	625-720		7	a,e
100-0	$d = 2.3043 - 7.1565 \times 10^{-4}\ T$	625-720	(386)	7	a,e
	KNO_3-$Na_2Cr_2O_7$				
100-0 $Na_2Cr_2O_7$	$d = 1.8094 + 0.005853\ C$	693	(387)	3	a
	KNO_3-$Pb(NO_3)_2$				
70-30	$d = 3.3165 - 9.9821 \times 10^{-4}\ T$	540-620		7	a,e
75-25	$d = 3.172 - 9.5668 \times 10^{-4}\ T$	510-630		7	a,e
77-23	$d = 3.1114 - 9.3926 \times 10^{-4}\ T$	520-640		7	a,e
80-20	$d = 3.0175 - 9.1228 \times 10^{-4}\ T$	530-640		7	a,e
85-15	$d = 2.8531 - 8.6502 \times 10^{-4}\ T$	560-650		7	a,e
90-10	$d = 2.6787 - 8.1489 \times 10^{-4}\ T$	590-660		7	a,e
95-5	$d = 2.4943 - 7.619 \times 10^{-4}\ T$	610-680		7	a,e
100-0	$d = 2.3 - 7.0605 \times 10^{-4}\ T$	620-730	(388)	7	a,e
	KNO_3-$RbNO_3$				
0-100	$d = 3.118 - 0.0010508\ T$	595-730	(389)	7	a,e
10-90	$d = 2.988 - 9.394 \times 10^{-4}\ T$	590-755		7	a,e
20-80	$d = 2.922 - 9.289 \times 10^{-4}\ T$	575-770		7	a,e
30-70	$d = 2.855 - 9.173 \times 10^{-4}\ T$	575-770		7	a,e
40-60	$d = 2.781 - 8.938 \times 10^{-4}\ T$	575-770		7	a,e
50-50	$d = 2.706 - 8.682 \times 10^{-4}\ T$	575-755		7	a,e
60-40	$d = 2.634 - 8.485 \times 10^{-4}\ T$	590-755		7	a,e
70-30	$d = 2.559 - 8.244 \times 10^{-4}\ T$	590-740		7	a,e
80-20	$d = 2.504 - 8.284 \times 10^{-4}\ T$	605-740		7	a,e
90-10	$d = 2.434 - 8.111 \times 10^{-4}\ T$	620-740		7	a,e
100-0	$d = 2.346 - 7.665 \times 10^{-4}\ T$	635-755	(390)	7	a,e
	KNO_3-$Sr(NO_3)_2$				
80-20	$d = 2.43399 - 5.9045 \times 10^{-4}\ T$	630-680		7	a,e
85-15	$d = 2.43399 - 6.6656 \times 10^{-4}\ T$	590-680		7	a,e
85.7-14.3	$d = 2.43399 - 6.7759 \times 10^{-4}\ T$	590-680		7	a,e
90-10	$d = 2.43399 - 7.4729 \times 10^{-4}\ T$	580-680		7	a,e
95-5	$d = 2.43399 - 8.3263 \times 10^{-4}\ T$	610-690		7	a,e
100-0	$d = 2.3339 - 7.667 \times 10^{-4}\ T$	620-690	(391)	7	a,e
	KNO_3-$TlNO_3$				
20-80	$d = 5.0955 - 0.00157877\ T$	480-610		7	a,e
28-72	$d = 4.8721 - 0.00157877\ T$	490-610		7	a,e
40-60	$d = 4.5371 - 0.00157877\ T$	510-620		7	a,e
70-30	$d = 3.6994 - 0.00157877\ T$	580-630		7	a,e
80-20	$d = 3.4202 - 0.00157877\ T$	600-630		7	a,e
For additional KNO_3 systems, see : $AgNO_3$- ; $Ba(NO_3)_2$- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$- ; $CoBr_2$- ; $CsNO_3$- ; KBr- ; KCl- ; $KClO_4$- ; KNO_2-					
	KOH				
100	$d = 2.013 - 4.396 \times 10^{-4}\ T$	673-873	±1%	1	a
	KOH-K_2CO_3				
91.4-8.6	$d = 2.1268 - 4.86 \times 10^{-4}\ T$	680-820		3	a
93.3-6.7	$d = 2.1043 - 4.78 \times 10^{-4}\ T$	680-820		3	a
95.5-4.5	$d = 2.0552 - 4.4 \times 10^{-4}\ T$	680-820		3	a
95.7-4.3	$d = 2.0696 - 4.6 \times 10^{-4}\ T$	680-820		3	a
97.2-2.8	$d = 2.0541 - 4.52 \times 10^{-4}\ T$	680-820		3	a
97.9-2.1	$d = 2.0382 - 4.46 \times 10^{-4}\ T$	680-820		3	a
98.3-1.7	$d = 2.0414 - 4.58 \times 10^{-4}\ T$	680-820		3	a
100-0	$d = 2.013 - 4.396 \times 10^{-4}\ T$	673-873	(392)	3	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	$KOH-K_2CO_3-K_2SiO_3$				
94.1-1.9-4.0	$d = 2.1214 - 4.8 \times 10^{-4}$ T	780-870		3	a
96.2-1.9-1.9	$d = 2.0836 - 4.7 \times 10^{-4}$ T	780-870		3	a
For additional KOH systems, see : CaO- ; KCl- ; KNO_3-					
	KPO_3				
100	$d = 2.568 - 4.2725 \times 10^{-4}$ T	1170-1470	±2%	6	a
	$KPO_3-K_3PO_4$				
74.5-25.5	$d = 2.6212 - 4.101 \times 10^{-4}$ T	1080-1160		3	a,e
77.5-22.5	$d = 2.5938 - 3.901 \times 10^{-4}$ T	1080-1160		3	a,e
80-20	$d = 2.4993 - 3.101 \times 10^{-4}$ T	1080-1160		3	a,e
82-18	$d = 2.5534 - 3.719 \times 10^{-4}$ T	1080-1160		3	a,e
85-15	$d = 2.4708 - 3.019 \times 10^{-4}$ T	1020-1160		3	a,e
89-11	$d = 2.5305 - 3.519 \times 10^{-4}$ T	1020-1160		3	a,e
91-9	$d = 2.5576 - 3.839 \times 10^{-4}$ T	1020-1160		3	a,e
94-6	$d = 2.5816 - 4.219 \times 10^{-4}$ T	1020-1160		3	a,e
97-3	$d = 2.5731 - 4.2 \times 10^{-4}$ T	1020-1160		3	a,e
100-0	$d = 2.6003 - 4.6 \times 10^{-4}$ T	1020-1160	(393)	3	a,e
	$KPO_3-K_4P_2O_7$				
70.3-29.7	$d = 2.4645 - 2.801 \times 10^{-4}$ T	1070-1130		3	a
75.2-24.8	$d = 2.5136 - 3.281 \times 10^{-4}$ T	1070-1130		3	a
80.0-20.0	$d = 2.5189 - 3.401 \times 10^{-4}$ T	1070-1130		3	a
85.0-15.0	$d = 2.4847 - 3.16 \times 10^{-4}$ T	1070-1130		3	a
90.2-9.8	$d = 2.4435 - 2.82 \times 10^{-4}$ T	1070-1130		3	a
95.0-5.0	$d = 2.4514 - 2.961 \times 10^{-4}$ T	1070-1130		3	a
100-0	$d = 2.6003 - 4.6 \times 10^{-4}$ T	1070-1130	(394)	3	a,b,e
	KPO_3-NiO				
100-92.3 KPO_3	$d = 2.955 - 0.00859$ C	1123	(395)	3	a
	KPO_3-PbO				
99.5-91.5 KPO_3	$d = 8.839 - 0.0674$ C	1123		3	a
	KPO_3-WO_3				
50-50	$d = 4.6981 - 9.749 \times 10^{-4}$ T	1070-1210		3	a
55-45	$d = 4.8299 - 0.0012197$ T	1070-1210		3	a
60-40	$d = 4.4975 - 0.0010766$ T	1070-1210		3	a
65-35	$d = 4.2282 - 9.913 \times 10^{-4}$ T	1070-1210		3	a
70-30	$d = 3.773 - 7.609 \times 10^{-4}$ T	1070-1210		3	a,e
75-25	$d = 3.5101 - 6.261 \times 10^{-4}$ T	1070-1210		3	a,e
80-20	$d = 3.4029 - 6.931 \times 10^{-4}$ T	1070-1210		3	a,e
85-15	$d = 3.1401 - 5.638 \times 10^{-4}$ T	1070-1210		3	a,e
90-10	$d = 2.9043 - 5.149 \times 10^{-4}$ T	1070-1210		3	a
95-5	$d = 2.8752 - 5.677 \times 10^{-4}$ T	1070-1210		3	a,e
100-0	$d = 2.5597 - 4.45 \times 10^{-4}$ T	1120-1220	(396)	3	a,e
	KPO_3-ZnO				
74.2-25.8	$d = 2.894 - 3.582 \times 10^{-4}$ T	1140-1350		3	a
77.9-22.1	$d = 2.8343 - 3.593 \times 10^{-4}$ T	1080-1380		3	a
90.4-9.6	$d = 2.6613 - 4. \times 10^{-4}$ T	1110-1320		3	a
	$KPO_3-Zn(PO_3)_2$				
0-100	$d = 2.8817 - 7.67 \times 10^{-5}$ T	1190-1410	(397)	6	a
12.2-87.8	$d = 2.9028 - 1.525 \times 10^{-4}$ T	1170-1370		6	a
28.3-71.7	$d = 2.903 - 2.307 \times 10^{-4}$ T	1090-1370		6	a
47.7-52.3	$d = 2.852 - 2.895 \times 10^{-4}$ T	1090-1370		6	a
75.7-24.3	$d = 2.7106 - 3.696 \times 10^{-4}$ T	1050-1350		6	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
86-14	$d = 2.6382 - 3.808 \times 10^{-4}\,T$	1090-1370		6	a
100-0	$d = 2.5292 - 3.963 \times 10^{-4}\,T$	1152-1347	(398)	6	a
For additional KPO_3 systems, see : Bi_2O_3- ; KBO_2-					
	$KSCN$				
100	$d = 1.8765 - 5.694 \times 10^{-4}\,T$	472-557	±1%	23	d
	$KSCN$-$NaSCN$				
0-100	$d = 1.7103 - 3.82 \times 10^{-4}\,T$	573-620	(399)	15	k
30.4-69.6	$d = 1.8902 - 6.5 \times 10^{-4}\,T$	497-545		23	k
40.2-59.8	$d = 1.9635 - 7.84 \times 10^{-4}\,T$	502-535		15	k
47.2-52.8	$d = 1.9082 - 6.7 \times 10^{-4}\,T$	472-515		15	k
59.6-40.4	$d = 1.9228 - 6.97 \times 10^{-4}\,T$	462-538		15	k
88.5-11.5	$d = 1.8902 - 6.13 \times 10^{-4}\,T$	478-558		15	k
100-0	$d = 1.8765 - 5.69 \times 10^{-4}\,T$	472-557	(400)	23	d,k
	KVO_3				
100	$d = 2.515 - 2.22 \times 10^{-4}\,T$	823-1273	±2%	3	a
	KVO_3-V_2O_5				
0-100	$d = 2.69 - 2.67 \times 10^{-4}\,T$	973-1250	(401)	3	a
19.0-81.0	$d = 2.689 - 2.6 \times 10^{-4}\,T$	950-1275		3	a
36.0-64.0	$d = 2.676 - 2.56 \times 10^{-4}\,T$	950-1150		3	a
51.7-48.3	$d = 2.682 - 2.67 \times 10^{-4}\,T$	895-1250		3	a
65.8-34.2	$d = 2.691 - 2.83 \times 10^{-4}\,T$	850-1275		3	a
80.6-19.4	$d = 2.694 - 3.02 \times 10^{-4}\,T$	740-1260		3	a
89.0-11.0	$d = 2.658 - 2.93 \times 10^{-4}\,T$	750-1250		3	a
100-0	$d = 2.515 - 2.22 \times 10^{-4}\,T$	823-1273	(402)	3	a
	$K_2B_4O_7$				
100	(T=1123 K, d=1.997)		±2%	6	a
	$K_2B_4O_7$-NiO				
100-81.7 $K_2B_4O_7$	$d = 2.112 - 0.00114\,C$	1123	(403)	3	a
	$K_2B_4O_7$-PbO				
100-84.4 $K_2B_4O_7$	$d = 3.757 - 0.01769\,C$	1123	(404)	3	a
For additional $K_2B_4O_7$ systems, see : Bi_2O_3-					
	K_2CO_3				
100	$d = 2.4141 - 4.421 \times 10^{-4}\,T$	1181-1283	±0.5%	1	a
	K_2CO_3-$LiCl$				
0-100	$d = 1.881 - 4.34 \times 10^{-4}\,T$	900-1070	(405)	3	a,o
10-90	$d = 1.935 - 4.51 \times 10^{-4}\,T$	1030-1070		3	a,o
20-80	$d = 1.987 - 4.51 \times 10^{-4}\,T$			3	a,o
30-70	$d = 1.988 - 4.15 \times 10^{-4}\,T$	1030-1070		3	a,o
40-60	$d = 1.945 - 3.43 \times 10^{-4}\,T$			3	a,o
50-50	$d = 2.033 - 3.84 \times 10^{-4}\,T$			3	a,o
60-40	$d = 2.143 - 4.33 \times 10^{-4}\,T$	1030-1070		3	a,o
70-30	$d = 2.149 - 3.73 \times 10^{-4}\,T$			3	a,o
80-20	$d = 2.315 - 4.66 \times 10^{-4}\,T$			3	a,o
90-10	$d = 2.392 - 4.84 \times 10^{-4}\,T$	1030-1070		3	a,o
	K_2CO_3-LiF				
0-100	$d = 2.294 - 4.41 \times 10^{-4}\,T$	1140-1320	(406)	3	a,o
20-80	$d = 2.352 - 4.76 \times 10^{-4}\,T$	1140-1220		3	a,o
30-70	$d = 2.328 - 4.48 \times 10^{-4}\,T$			3	a,o
40-60	$d = 2.423 - 5.19 \times 10^{-4}\,T$	1140-1220		3	a,o
50-50	$d = 2.411 - 4.93 \times 10^{-4}\,T$			3	a,o
60-40	$d = 2.417 - 5. \times 10^{-4}\,T$	1140-1220		3	a,o
70-30	$d = 2.448 - 5.23 \times 10^{-4}\,T$			3	a,o
80-20	$d = 2.434 - 5.07 \times 10^{-4}\,T$			3	a,o
90-10	$d = 2.425 - 4.99 \times 10^{-4}\,T$	1140-1220		3	a,o

Table 2.1.a Density data (continued)

(mol %)	Equation — Density (g cm⁻³)	T range(K)	Accur.	Ref.	Comment
;1.74-48.26	$d = 3.0074 - 6. \times 10^{-4}$ T	770-830		6	a,b,e
;7.00-43.00	$d = 2.8797 - 4.8 \times 10^{-4}$ T	770-830		6	a,b,e
For additional K_2SO_4 systems, see : KCl-					
	K_2WO_4				
100	$d = 4.0624 - 7.484 \times 10^{-4}$ T	1198-1794	±1.5%	1	a,e
	K_2WO_4-Li_2WO_4				
0-100	$d = 5.0527 - 7.818 \times 10^{-4}$ T	1040-1180	(421)	6	a,e
10-90	$d = 5.1048 - 7.632 \times 10^{-4}$ T	1030-1170		6	a
19.9-80.1	$d = 4.8683 - 8.627 \times 10^{-4}$ T	950-1110		6	a
30-70	$d = 4.6792 - 7.651 \times 10^{-4}$ T	930-1110		6	a
40-60	$d = 4.4983 - 7.452 \times 10^{-4}$ T	950-1070		6	a
50-50	$d = 4.5201 - 8.259 \times 10^{-4}$ T	990-1090		6	a
54.4-45.6	$d = 4.2709 - 6.504 \times 10^{-4}$ T	970-1050		6	a,e
60-40	$d = 4.3951 - 7.927 \times 10^{-4}$ T	990-1130		6	a,e
68-32	$d = 4.3225 - 7.806 \times 10^{-4}$ T	1010-1190		6	a
80-20	$d = 4.2567 - 8.001 \times 10^{-4}$ T	1090-1190		6	a
100-0	$d = 4.0666 - 7.581 \times 10^{-4}$ T	1213-1302	(422)	6	a,e
	K_2WO_4-WO_3				
30-70	$d = 6.3152 - 0.0015546$ T	1190-1250		3	a
42.13-57.87	$d = 5.9017 - 0.0015197$ T	1040-1190		3	a
50.18-49.82	$d = 5.7594 - 0.0015622$ T	940-1040		3	a
59.42-40.58	$d = 5.3195 - 0.0013339$ T	950-1100		3	a
70-30	$d = 4.8095 - 0.0010156$ T	1070-1160		3	a
80.11-19.89	$d = 4.4919 - 9.071 \times 10^{-4}$ T	1170-1300		3	a
89.55-10.45	$d = 4.308 - 8.452 \times 10^{-4}$ T	1190-1280		3	a
100-0	$d = 4.043 - 7.268 \times 10^{-4}$ T	1210-1320	(423)	3	a
For additional K_2WO_4 systems, see : KNO_2- ; KNO_3-					
	K_2ZrF_6				
100	$d = 3.098 - 7.119 \times 10^{-4}$ T	1073-1253	n.a.	3	a,e
	K_2ZrF_6-NaCl				
0-100	$d = 2.225 - 6.3 \times 10^{-4}$ T	1073-1173	(424)	3	a,e,q
10-90	$d = 2.396 - 5.8 \times 10^{-4}$ T	1073-1173		3	a,e,q
20-80	$d = 2.555 - 6.101 \times 10^{-4}$ T	1073-1173		3	a,e,q
30-70	$d = 2.665 - 6.101 \times 10^{-4}$ T	1073-1173		3	a,e,q
40-60	$d = 2.877 - 7.301 \times 10^{-4}$ T	1073-1173		3	a,e,q
50-50	$d = 2.933 - 7.2 \times 10^{-4}$ T	1073-1173		3	a,e,q
60-40	$d = 3.051 - 7.701 \times 10^{-4}$ T	1073-1173		3	a,e,q
70-30	$d = 3.078 - 7.602 \times 10^{-4}$ T	1073-1173		3	a,e,q
80-20	$d = 3.071 - 7.301 \times 10^{-4}$ T	1073-1173		3	a,e,q
90-10	$d = 3.123 - 7.501 \times 10^{-4}$ T	1073-1173		3	a,e,q
100-0	$d = 3.098 - 7.119 \times 10^{-4}$ T	1073-1253	(425)	3	a,e,q
For additional K_2ZrF_6 systems, see : KCl- ; KF-					
	K_3AlF_6				
100	$d = 2.7698 - 7.398 \times 10^{-4}$ T	1273-1330		6	a
100	$d = 3.004651 - 8.7811 \times 10^{-4}$ T	1281-1340	±1.5%	11	d
	K_3AlF_6-Li_3AlF_6				
0-100	$d = 3.251 - 0.001034$ T	1073-1330	(426)	6	a,e
10-90	$d = 3.1278 - 9.5 \times 10^{-4}$ T	1220-1330		6	a
20-80	$d = 3.0528 - 9.1 \times 10^{-4}$ T	1220-1330		6	a
30-70	$d = 3.1111 - 9.7 \times 10^{-4}$ T	1220-1330		6	a
40-60	$d = 3.0822 - 9.601 \times 10^{-4}$ T	1220-1330		6	a
50-50	$d = 3.1006 - 9.9 \times 10^{-4}$ T	1220-1330		6	a
60-40	$d = 2.8505 - 8. \times 10^{-4}$ T	1220-1330		6	a
70-30	$d = 2.8953 - 8.4 \times 10^{-4}$ T	1220-1330		6	a
80-20	$d = 2.6951 - 6.801 \times 10^{-4}$ T	1220-1330		6	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
85-15	$d = 3.0049 - 9.3 \times 10^{-4} T$	1220-1330		6	a
90-10	$d = 3.2104 - 0.0010796 T$	1280-1330		6	a
100-0	$d = 2.7698 - 7.398 \times 10^{-4} T$	1273-1330	(427)	6	a
	K_3AlF_6-Na_3AlF_6				
0-100	$d = 3.3652 - 9.82 \times 10^{-4} T$	1273-1373	(428)	11	d
10-90	$d = 4.2618 - 0.001806 T$	1258-1280		6	
20-80	$d = 4.3144 - 0.001859 T$	1220-1280		6	
20.1-79.9	$d = 3.268377 - 9.5814 \times 10^{-4} T$	1277-1335		11	d
30-70	$d = 4.3133 - 0.00188 T$	1220-1280		6	
40-60	$d = 2.0283 - 1. \times 10^{-4} T$	1220-1280		6	
40.2-59.8	$d = 3.198997 - 9.4629 \times 10^{-4} T$	1276-1334		11	d
50-50	$d = 4.1221 - 0.001759 T$	1220-1280		6	
60-40	$d = 3.8968 - 0.0016 T$	1220-1280		6	
60.1-39.9	$d = 3.153422 - 9.4229 \times 10^{-4} T$	1274-1335		11	d
70-30	$d = 3.8102 - 0.001539 T$	1223-1280		6	
80-20	$d = 3.9891 - 0.0017 T$	1233-1280		6	
80.0-20.0	$d = 3.084292 - 9.135 \times 10^{-4} T$	1276-1334		11	d
100-0	$d = 3.004651 - 8.7811 \times 10^{-4} T$	1281-1340	(429)	11	d
For additional K_3AlF_6 systems, see : Cs_3AlF_6-					
	K_3PO_4				
For K_3PO_4 systems, see : KPO_3-					
	$LaBr_3$				
100	$d = 5.0351 - 9.6 \times 10^{-5} T$	1069-1185	±1%	1	a
	$LaCl_2$-$LaCl_3$				
86-14	$d = 4.761 - 8.6 \times 10^{-4} T$	1160-1320		5	a
	$LaCl_3$				
100	$d = 4.0895 - 7.774 \times 10^{-4} T$	1146-1246	±1%	1	a
	$LaCl_3$-$LiCl$				
0-100	$d = 1.8965 - 4.458 \times 10^{-4} T$	880-1060	(430)	5	a,c
12.3-87.7	$d = 2.381 - 4.63 \times 10^{-4} T$	1080-1170		5	a,c
24.2-75.8	$d = 2.699 - 4.55 \times 10^{-4} T$	1080-1170		5	a,c
36.8-63.2	$d = 2.976 - 4.7 \times 10^{-4} T$	1080-1170		5	a,c
49.3-50.7	$d = 3.174 - 4.68 \times 10^{-4} T$	1080-1170		5	a,c
61.2-38.8	$d = 3.372 - 5.08 \times 10^{-4} T$	1080-1170		5	a,c
75.0-25.0	$d = 3.54 - 5.23 \times 10^{-4} T$	1080-1170		5	a,c
88.6-11.4	$d = 3.71 - 5.61 \times 10^{-4} T$	1080-1170		5	a,c
	$LaCl_3$-$NaCl$				
0.0-100.0	$d = 2.0876 - 4.9768 \times 10^{-4} T$	1132-1257	(431)	5	a,b,c
4.99-95.01	$d = 2.2525 - 5.2835 \times 10^{-4} T$	1106-1271		5	a,b
13.17-86.83	$d = 2.7711 - 7.9551 \times 10^{-4} T$	1180-1273		5	a,b,c
20.87-79.13	$d = 2.7178 - 5.6887 \times 10^{-4} T$	1088-1263		5	a,b
33.30-66.70	$d = 3.1195 - 6.6379 \times 10^{-4} T$	1154-1279		5	a,b,c
45.11-54.89	$d = 3.2572 - 6.7332 \times 10^{-4} T$	1136-1251		5	a,b,c
55.02-44.98	$d = 3.2767 - 5.7343 \times 10^{-4} T$	1121-1266		5	a,b,c
70.22-29.78	$d = 3.6053 - 6.3339 \times 10^{-4} T$	1132-1232		5	a,b,c
84.86-15.14	$d = 3.8004 - 6.7778 \times 10^{-4} T$	1128-1263		5	a,b,e
For additional $LaCl_3$ systems, see : $BaCl_2$- ; $CaCl_2$- ; CsCl- ; KCl- ; KCl*NaCl- ; $LaCl_2$-					
	LaF_3				
100	$d = 5.793 - 6.82 \times 10^{-4} T$	1750-2450	±3%	1	a
	LaF_3-LiF				
0.0-100.0	$d = 2.074 - 3.321 \times 10^{-4} T$	1130-1350	(432)	10	a
5.0-95.0	$d = 2.491 - 3.648 \times 10^{-4} T$	1140-1350		10	a
10.0-90.0	$d = 2.799 - 3.118 \times 10^{-4} T$	1180-1350		10	a
15.0-85.0	$d = 3.5 - 6.658 \times 10^{-4} T$	1110-1350		10	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
20.0-80.0	$d = 3.737 - 6.486 \times 10^{-4}$ T	1130-1350		10	a
25.0-75.0	$d = 3.799 - 5.507 \times 10^{-4}$ T	1130-1350		10	a
	LaF_3-NaF				
0.0-100.0	$d = 2.682 - 6.151 \times 10^{-4}$ T	1275-1350	(433)	10	a
10.0-90.0	$d = 3.16 - 6.057 \times 10^{-4}$ T	1245-1350		10	a
20.0-80.0	$d = 3.802 - 7.726 \times 10^{-4}$ T	1155-1350		10	a
28.0-72.0	$d = 4.067 - 7.335 \times 10^{-4}$ T	1095-1350		10	a,k
30.0-70.0	$d = 4.143 - 7.368 \times 10^{-4}$ T	1080-1350		10	a
40.0-60.0	$d = 4.4 - 7.045 \times 10^{-4}$ T	1215-1350		10	a
For additional LaF_3 systems, see : KF-					
	LaI_3				
100	$d = 5.4581 - 0.0011109$ T	1125-1180	±1.5%	4	a
For additional LaI_3 systems, see : CsI- ; KI-					
	$LiAlBr_4$				
For $LiAlBr_4$ systems, see : $KAlCl_4$-					
	$LiAlCl_4$				
100	$d = 1.95522 - 7.515 \times 10^{-4}$ T	420-530	±1.5%	8	k
	$LiBF_4$				
100	$d = 2.1331 - 4.58 \times 10^{-4}$ T	590-670	±1%	6	a
	LiBr				
100	$d = 3.0658 - 6.52 \times 10^{-4}$ T	825-1012	±1%	1	a
	LiBr-LiCl				
0-100	$d = 1.896 - 4.46 \times 10^{-4}$ T	980-1080	(434)	2	a
12-88	$d = 2.06 - 4.77 \times 10^{-4}$ T	980-1080		2	a
25-75	$d = 2.192 - 4.71 \times 10^{-4}$ T	980-1080		2	a
37-63	$d = 2.354 - 5.12 \times 10^{-4}$ T	980-1080		2	a
50-50	$d = 2.487 - 5.18 \times 10^{-4}$ T	980-1080		2	a
63-37	$d = 2.636 - 5.44 \times 10^{-4}$ T	980-1080		2	a
75-25	$d = 2.785 - 5.86 \times 10^{-4}$ T	980-1080		2	a
88-12	$d = 2.942 - 6.32 \times 10^{-4}$ T	980-1080		2	a
100-0	$d = 3.034 - 6.28 \times 10^{-4}$ T	980-1080	(435)	2	a
	LiBr-LiF				
0-100	$d = 2.266 - 4.14 \times 10^{-4}$ T	1130-1280	(436)	2	a
12-88	$d = 2.439 - 4.59 \times 10^{-4}$ T	880-1280		2	a
25-75	$d = 2.586 - 5.09 \times 10^{-4}$ T	880-1280		2	a
37-63	$d = 2.66 - 5.11 \times 10^{-4}$ T	880-1280		2	a
50-50	$d = 2.763 - 5.49 \times 10^{-4}$ T	880-1280		2	a
63-37	$d = 2.821 - 5.55 \times 10^{-4}$ T	880-1280		2	a
75-25	$d = 2.893 - 5.78 \times 10^{-4}$ T	880-1280		2	a
88-12	$d = 2.983 - 6.15 \times 10^{-4}$ T	880-1280		2	a
100-0	$d = 3.034 - 6.28 \times 10^{-4}$ T	880-1280	(437)	2	a
	LiBr-LiI				
0-100	$d = 3.807 - 9.2 \times 10^{-4}$ T	760-1100	(438)	2	a
25-75	$d = 3.625 - 8.53 \times 10^{-4}$ T	760-1100		2	a
50-50	$d = 3.446 - 7.85 \times 10^{-4}$ T	760-1100		2	a
75-25	$d = 3.315 - 7.7 \times 10^{-4}$ T	760-1100		2	a
100-0	$d = 3.034 - 6.28 \times 10^{-4}$ T	825-1100	(439)	2	a
	LiBr-NaBr				
0-100	$d = 3.1799 - 8.22 \times 10^{-4}$ T	1050-1220	(440)	4	a
50-50	$d = 3.1597 - 7.821 \times 10^{-4}$ T	1010-1100		4	a,b,e
	LiBr-RbBr				
0-100	$d = 3.7373 - 0.0010704$ T	980-1140	(441)	4	a
50-50	$d = 3.5069 - 9.522 \times 10^{-4}$ T	920-1030		4	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
For additional LiBr systems, see : AgBr- ; CsBr- ; KBr-					
	LiCl				
100	$d = 1.8842 - 4.328 \times 10^{-4}$ T	894-1054	±0.5%	1	a,c
	LiCl-LiF				
0-100	$d = 2.266 - 4.14 \times 10^{-4}$ T	1130-1260	(442)	2	a
12-88	$d = 2.16 - 4.17 \times 10^{-4}$ T	940-1260		2	a
25-75	$d = 2.116 - 4.43 \times 10^{-4}$ T	940-1260		2	a
37-63	$d = 2.05 - 4.36 \times 10^{-4}$ T	940-1260		2	a
50-50	$d = 2 - 4.38 \times 10^{-4}$ T	940-1260		2	a
63-37	$d = 1.962 - 4.4 \times 10^{-4}$ T	940-1260		2	a
75-25	$d = 1.928 - 4.37 \times 10^{-4}$ T	940-1260		2	a
88-12	$d = 1.905 - 4.38 \times 10^{-4}$ T	940-1260		2	a
100-0	$d = 1.896 - 4.46 \times 10^{-4}$ T	940-1260	(443)	2	a
	LiCl-LiI				
0-100	$d = 3.807 - 9.2 \times 10^{-4}$ T	710-1110	(444)	2	a
25-75	$d = 3.461 - 8.49 \times 10^{-4}$ T	710-1110		2	a
50-50	$d = 3.047 - 7.39 \times 10^{-4}$ T	710-1110		2	a
75-25	$d = 2.541 - 5.98 \times 10^{-4}$ T	710-1110		2	a
100-0	$d = 1.896 - 4.46 \times 10^{-4}$ T	900-1110	(445)	2	a
	LiCl-$LiNO_3$				
0-100	$d = 2.074 - 5.56 \times 10^{-4}$ T			3	a
10-90	$d = 2.058 - 5.37 \times 10^{-4}$ T	550-700		3	a
20.1-79.9	$d = 2.05 - 5.38 \times 10^{-4}$ T	610-760		3	a
30-70	$d = 2.032 - 5.24 \times 10^{-4}$ T	670-760		3	a
	LiCl-Li_2CO_3				
29-71	$d = 2.1244 - 3.965 \times 10^{-4}$ T	970-1030		3	a
50-50	$d = 2.053 - 4.058 \times 10^{-4}$ T	909-1017		3	a
60-40	$d = 2.002 - 3.672 \times 10^{-4}$ T	910-1030		3	a
70-30	$d = 1.9523 - 3.498 \times 10^{-4}$ T	812-981		3	a
74.8-25.2	$d = 1.942 - 3.635 \times 10^{-4}$ T	850-1030		3	a
80-20	$d = 1.9157 - 3.895 \times 10^{-4}$ T	835-1025		3	a
90-10	$d = 1.9199 - 4.316 \times 10^{-4}$ T	850-1030		3	a
	LiCl-$MgCl_2$				
0.0-100.0	$d = 1.95 - 2.712 \times 10^{-4}$ T	1017-1099	(446)	5	a
22.6-77.4	$d = 2.1334 - 4.4146 \times 10^{-4}$ T	970-1030		5	a
43.6-56.4	$d = 2.1623 - 5.0348 \times 10^{-4}$ T	980-1070		5	a
54.6-45.4	$d = 2.0892 - 4.6178 \times 10^{-4}$ T	980-1080		5	a
69.2-30.8	$d = 2.1408 - 5.5248 \times 10^{-4}$ T	1020-1120		5	a
82.0-18.0	$d = 2.0351 - 4.9534 \times 10^{-4}$ T	980-1080		5	a
94.3-5.7	$d = 2.4116 - 8.9056 \times 10^{-4}$ T	1030-1120		5	a
100.0-0.0	$d = 1.8561 - 3.9698 \times 10^{-4}$ T	910-1050	(447)	5	a
	LiCl-$MnCl_2$				
0-100	$d = 2.928 - 6.15 \times 10^{-4}$ T	940-1020	(448)	5	a
10-90	$d = 2.843 - 5.8 \times 10^{-4}$ T	950-1040		5	a
20-80	$d = 2.713 - 5. \times 10^{-4}$ T	940-1020		5	a
30-70	$d = 2.651 - 4.9 \times 10^{-4}$ T	930-1020		5	a
40-60	$d = 2.574 - 4.85 \times 10^{-4}$ T	940-1020		5	a
60-40	$d = 2.404 - 4.66 \times 10^{-4}$ T	950-1020		5	a
80-20	$d = 2.177 - 4.5 \times 10^{-4}$ T	940-1020		5	a
100-0	$d = 1.884 - 4.33 \times 10^{-4}$ T	1060-1120	(449)	5	a
	LiCl-NaCl				
0-100	$d = 2.139 - 5.444 \times 10^{-4}$ T	1090-1220	(450)	5	a
50-50	$d = 2.0121 - 4.858 \times 10^{-4}$ T	900-1120		5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
100-0	$d = 1.8721 - 4.243 \times 10^{-4}$ T	880-1070	(451)	5	a
	$LiCl-Na_2B_4O_7$				
100-40 $Na_2B_4O_7$	$d = 2.069 + 0.00221$ C $- 2.31 \times 10^{-5}$ C^2	1223	(452)	3	a
	$LiCl-PbCl_2$				
0-100	d = 6.018 - 0.00138 T	873-973	(453)	5	a,e,k
10-90	d = 5.942 - 0.0015 T	873-973		5	k
20-80	d = 5.697 - 0.00145 T	873-973		5	k
30-70	d = 5.356 - 0.00132 T	873-973		5	k
40-60	d = 5.062 - 0.00126 T	873-973		5	k
50-50	d = 4.815 - 0.00128 T	873-973		5	k
60-40	d = 4.395 - 0.00115 T	873-973		5	k
70-30	(T=973.2 K, d=2.937)			5	k
	LiCl-RbCl				
0-100	$d = 3.0863 - 8.514 \times 10^{-4}$ T	1020-1190	(454)	5	a
50-50	$d = 2.6833 - 7.384 \times 10^{-4}$ T	890-1120		5	a
100-0	$d = 1.8721 - 4.243 \times 10^{-4}$ T	880-1070	(455)	5	a
	$LiCl-SrCl_2$				
25-75	$d = 3.395 - 7.5 \times 10^{-4}$ T	1113-1193		32	k
50-50	d = 3.433 - 0.001 T	1113-1193		32	k
75-25	$d = 2.571 - 5.63 \times 10^{-4}$ T	953-1193		32	k
100-0	$d = 1.928 - 4.464 \times 10^{-4}$ T	953-1193	(456)	32	k
	$LiCl-UCl_4$				
0.00-100.00	d = 5.2508 - 0.0019455 T	870-940	(457)	5	a
14.76-85.24	d = 4.9573 - 0.0017139 T	850-880		5	a
21.56-78.44	d = 4.6934 - 0.0014925 T	830-900		5	a
24.70-75.30	d = 4.7589 - 0.001582 T	850-910		5	a
38.04-61.96	d = 4.34 - 0.0012441 T	820-920		5	a
46.40-53.60	$d = 4.0213 - 9.872 \times 10^{-4}$ T	820-940		5	a
52.84-47.16	d = 4.1104 - 0.0011826 T	820-900		5	a
56.61-43.39	$d = 3.8728 - 9.706 \times 10^{-4}$ T	840-920		5	a
58.36-41.64	d = 3.9311 - 0.0010748 T	810-900		5	a
61.08-38.92	d = 3.9101 - 0.001099 T	800-910		5	a
68.78-31.22	$d = 3.6801 - 9.99 \times 10^{-4}$ T	720-890		5	a
72.21-27.79	$d = 3.5531 - 9.287 \times 10^{-4}$ T	710-880		5	a
79.56-20.44	$d = 3.3023 - 8.427 \times 10^{-4}$ T	790-890		5	a
83.99-16.01	$d = 3.1352 - 8.205 \times 10^{-4}$ T	820-880		5	a
91.10-8.90	$d = 2.9249 - 9.446 \times 10^{-4}$ T	860-900		5	a
91.69-8.31	$d = 2.7263 - 8.1 \times 10^{-4}$ T	860-900		5	a
94.34-5.66	$d = 2.5977 - 8.176 \times 10^{-4}$ T	880-910		5	a
96.21-3.79	$d = 2.2016 - 4.83 \times 10^{-4}$ T	880-890		5	a
100.00-0.00	$d = 1.8102 - 3.472 \times 10^{-4}$ T	890-920	(458)	5	a
	$LiCl-ZnCl_2$				
0.0-100.0	$d = 2.8369 - 5.2167 \times 10^{-4}$ T	700-740	(459)	5	a,c
5.2-94.8	$d = 2.7824 - 4.8163 \times 10^{-4}$ T	760-850		5	a,c
9.9-90.1	$d = 2.7038 - 4.2109 \times 10^{-4}$ T	810-850		5	a,c
18.6-81.4	$d = 2.7361 - 5.083 \times 10^{-4}$ T	760-850		5	a,c
20.4-79.6	$d = 2.7748 - 5.2072 \times 10^{-4}$ T	760-850		5	a,c
23.8-76.2	$d = 2.7263 - 5.3488 \times 10^{-4}$ T	780-850		5	a,c
30.05-69.95	$d = 2.7168 - 5.4332 \times 10^{-4}$ T	760-850		5	a,c
40.2-59.8	$d = 2.7188 - 6.2145 \times 10^{-4}$ T	750-880		5	a,c
50.2-49.8	$d = 2.6138 - 5.681 \times 10^{-4}$ T	760-850		5	a,c
60.1-39.9	$d = 2.5682 - 5.8972 \times 10^{-4}$ T	760-880		5	a,c
70.6-29.4	$d = 2.4288 - 5.4389 \times 10^{-4}$ T	800-860		5	a,c

Table 2.1.a Density data (continued)

(mol %)	Equation — Density (g cm⁻³)	T range(K)	Accur.	Ref.	Comment
80.4-19.6	$d = 2.5643 - 8.0647 \times 10^{-4}\ T$	850-880		5	a,c
90.98-9.02	$d = 2.021 - 3.7939 \times 10^{-4}\ T$	880-900		5	a,c
100.0-0.0	$d = 1.8514 - 4.0345 \times 10^{-4}\ T$	900-920	(460)	5	a,c
For additional LiCl systems, see : AgBr- ; $AlCl_3$- ; $BaCl_2$- ; $CaCl_2$- ; $CdCl_2$- ; CsCl- ; KBr- ; KCl- ; K_2CO_3- ; $LaCl_3$- ; LiBr-					
	$LiClO_3$				
100	$d = 2.399 - 7.704 \times 10^{-4}\ T$	406-431	±0.5%	1	a,e
	$LiClO_3$-$LiNO_3$				
70.8-29.2	$d = 2.3553 - 7.379 \times 10^{-4}\ T$	410-430		3	a
77.3-22.7	$d = 2.3745 - 7.657 \times 10^{-4}\ T$	410-430		3	a
82.9-17.1	$d = 2.399 - 8.018 \times 10^{-4}\ T$	410-430		3	a
89.2-10.8	$d = 2.3922 - 7.671 \times 10^{-4}\ T$	410-440		3	a
100-0	$d = 2.399 - 7.704 \times 10^{-4}\ T$	406-431	(461)	3	a,b,e
	$LiClO_3$-LiOH				
92.4-7.6	$d = 2.3681 - 8.065 \times 10^{-4}\ T$	410-440		3	a
100-0	$d = 2.399 - 7.704 \times 10^{-4}\ T$	406-431	(462)	3	a,e
	$LiClO_4$				
100	$d = 2.337 - 6.12 \times 10^{-4}\ T$	534-644	±0.5%	1	a
	$LiClO_4$-$LiNO_3$				
0-100	$d = 2.0739 - 5.561 \times 10^{-4}\ T$	560-690	(463)	3	a
25-75	$d = 2.1807 - 6.101 \times 10^{-4}\ T$	520-620		3	a
46.5-53.5	$d = 2.2598 - 6.29 \times 10^{-4}\ T$	480-620		3	a
75-25	$d = 2.3058 - 6.291 \times 10^{-4}\ T$	500-600		3	a
100-0	$d = 2.3371 - 6.12 \times 10^{-4}\ T$	534-644	(464)	3	a
	$LiClO_4$-$NaClO_4$				
45.5-54.5	$d = 2.4364 - 6.818 \times 10^{-4}\ T$	560-630		6	a
58-42	$d = 2.3894 - 6.25 \times 10^{-4}\ T$	550-620		6	a
73-27	$d = 2.4289 - 7.018 \times 10^{-4}\ T$	500-620		6	a
93.7-6.3	$d = 2.4863 - 8.333 \times 10^{-4}\ T$	520-610		6	a
100-0	$d = 2.3801 - 6.83 \times 10^{-4}\ T$	550-630	(465)	6	a
	$LiClO_4$-$NaNO_3$				
0-100	$d = 2.3206 - 7.151 \times 10^{-4}\ T$	590-680	(466)	3	a
10-90	$d = 2.3028 - 6.89 \times 10^{-4}\ T$	560-680		3	a
28-72	$d = 2.2753 - 6.305 \times 10^{-4}\ T$	500-680		3	a
60-40	$d = 2.3276 - 6.56 \times 10^{-4}\ T$	530-680		3	a
78-22	$d = 2.3439 - 6.49 \times 10^{-4}\ T$	470-680		3	a
90-10	$d = 2.3192 - 5.931 \times 10^{-4}\ T$	530-680		3	a
100-0	$d = 2.3185 - 5.772 \times 10^{-4}\ T$	530-680	(467)	3	a
For additional $LiClO_4$ systems, see : $CsClO_4$- ; $KClO_4$- ; KNO_3-					
	LiF				
100	$d = 2.3581 - 4.902 \times 10^{-4}\ T$	1149-1320	±0.5%	1	a
	LiF-LiI				
0-100	$d = 3.807 - 9.2 \times 10^{-4}\ T$	760-1260	(468)	2	a
25-75	$d = 3.529 - 7.94 \times 10^{-4}\ T$	760-1260		2	a
50-50	$d = 3.275 - 6.98 \times 10^{-4}\ T$	760-1260		2	a
75-25	$d = 2.933 - 5.88 \times 10^{-4}\ T$	760-1260		2	a
100-0	$d = 2.266 - 4.14 \times 10^{-4}\ T$	1130-1260	(469)	2	a
	LiF-NaF				
0-100	$d = 2.759 - 6.3915 \times 10^{-4}\ T$	1280-1320	(470)	10	a
10-90	$d = 2.9187 - 7.7887 \times 10^{-4}\ T$	1280-1320		10	a
20-80	$d = 2.6766 - 6.0429 \times 10^{-4}\ T$	1230-1320		10	a
30-70	$d = 2.5784 - 5.4338 \times 10^{-4}\ T$	1130-1320		10	a
40-60	$d = 2.5791 - 5.5747 \times 10^{-4}\ T$	1130-1320		10	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
50-50	$d = 2.5565 - 5.5962 \times 10^{-4}\ T$	1130-1320		10	a
60-40	$d = 2.5325 - 5.5523 \times 10^{-4}\ T$	1130-1320		10	a
70-30	$d = 2.4709 - 5.2766 \times 10^{-4}\ T$	1130-1320		10	a
80-20	$d = 2.4254 - 5.1181 \times 10^{-4}\ T$	1130-1320		10	a,b,e
90-10	$d = 2.3981 - 5.1021 \times 10^{-4}\ T$	1130-1320		10	a,b,e
100-0	$d = 2.3289 - 4.6803 \times 10^{-4}\ T$	1130-1320	(471)	10	a
	$LiF-Na_3AlF_6$				
0-100	$d = 3.2732 - 9.199 \times 10^{-4}\ T$	1280-1320	(472)	3	a
20-80	$d = 3.1758 - 8.502 \times 10^{-4}\ T$	1220-1320		3	a
40-60	$d = 3.0951 - 8.02 \times 10^{-4}\ T$	1220-1320		3	a
60-40	$d = 2.9929 - 7.421 \times 10^{-4}\ T$	1220-1320		3	a
70-30	$d = 2.9439 - 7.201 \times 10^{-4}\ T$	1220-1320		3	a
80-20	$d = 2.8927 - 7.102 \times 10^{-4}\ T$	1220-1320		3	a
90-10	$d = 2.602 - 5.54 \times 10^{-4}\ T$	1220-1320		3	a
100-0	$d = 2.3289 - 4.6803 \times 10^{-4}\ T$	1130-1320	(473)	3	a
	LiF-RbF				
43-57	$d = 3.56 - 9.6 \times 10^{-4}\ T$	773-923		10	a
	$LiF-SmF_3$				
50.0-50.0	$d = 5.512 - 8.357 \times 10^{-4}\ T$	1250-1340		10	a
60.0-40.0	$d = 4.987 - 7.372 \times 10^{-4}\ T$	1180-1340		10	a
70.0-30.0	$d = 4.803 - 9.187 \times 10^{-4}\ T$	1080-1340		10	a
80.0-20.0	$d = 3.946 - 6.474 \times 10^{-4}\ T$	1080-1340		10	a
90.0-10.0	$d = 3.087 - 4.702 \times 10^{-4}\ T$	1100-1340		10	a
100.0-0.0	$d = 2.074 - 3.321 \times 10^{-4}\ T$	1130-1340	(474)	10	a
	$LiF-ThF_4$				
0-100	$d = 7.34 - 8.08 \times 10^{-4}\ T$	1400-1500	(475)	10	a
20.00-80.00	$d = 7.354 - 0.001041\ T$	1320-1440		10	a,b,e
40.0-60.0	$d = 6.927 - 0.001115\ T$	1220-1360		10	a
60.00-40.00	$d = 6.159 - 0.001041\ T$	1080-1260		10	a
80.00-20.00	$d = 4.787 - 8.44 \times 10^{-4}\ T$	1020-1220		10	a
81.36-18.64	$d = 4.889 - 9.2 \times 10^{-4}\ T$	1040-1220		10	a
100.0-0.0	$d = 2.371 - 5. \times 10^{-4}\ T$	1140-1360	(476)	10	a
	$LiF-UF_4$				
40.0-60.0	$d = 7.891 - 0.00169\ T$	1100-1340		10	a
50.0-50.0	$d = 6.959 - 0.001283\ T$	1040-1340		10	a
60.0-40.0	$d = 6.393 - 0.001174\ T$	980-1340		10	a
72.5-27.5	$d = 6.105 - 0.001272\ T$	980-1340		10	a
85.0-15.0	$d = 4.461 - 7.285 \times 10^{-4}\ T$	1020-1340		10	a
100.0-0.0	$d = 2.074 - 3.321 \times 10^{-4}\ T$	1140-1340	(477)	10	a
	$LiF-YF_3$				
40.0-60.0	$d = 4.174 - 5.065 \times 10^{-4}\ T$	1220-1340		10	a
50.0-50.0	$d = 4.287 - 7.216 \times 10^{-4}\ T$	1120-1340		10	a
60.0-40.0	$d = 3.902 - 6.154 \times 10^{-4}\ T$	1080-1340		10	a
70.0-30.0	$d = 3.695 - 6.672 \times 10^{-4}\ T$	1080-1340		10	a
81.0-19.0	$d = 3.254 - 5.595 \times 10^{-4}\ T$	980-1340		10	a
100.0-0.0	$d = 2.074 - 3.321 \times 10^{-4}\ T$	1140-1340	(478)	10	a
For additional LiF systems, see : AlF_3- ; BaF_2- ; BeF_2- ; CaF_2- ; CeF_3- ; KF- ; K_2CO_3- ; LaF_3- ; LiBr- ; LiCl-					
	LiI				
100	$d = 3.7902 - 9.176 \times 10^{-4}\ T$	748-940	±3%	1	a
	LiI-NaI				
0.0-100.0	$d = 3.6144 - 9.392 \times 10^{-4}\ T$	950-1070	(479)	4	a
20.3-79.7	$d = 3.5489 - 8.845 \times 10^{-4}\ T$	910-960		4	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
38.1-61.9	$d = 3.5936 - 9.139 \times 10^{-4}$ T	920-960		4	a
67.1-32.9	$d = 3.5593 - 8.233 \times 10^{-4}$ T	950-960		4	a
80.7-19.3	$d = 3.4719 - 7.081 \times 10^{-4}$ T	900-960		4	a
100-0	$d = 3.7063 - 8.172 \times 10^{-4}$ T	770-910	(480)	4	a
	LiI-RbI				
0.0-100.0	$d = 3.9667 - 0.0011613$ T	940-1090	(481)	4	a
24.1-75.9	$d = 3.789 - 0.001017$ T	950-1100		4	a
56.2-43.8	$d = 3.6212 - 8.651 \times 10^{-4}$ T	960-1080		4	a
71.9-28.1	$d = 3.7499 - 9.608 \times 10^{-4}$ T	950-1090		4	a
87.2-12.8	$d = 3.7703 - 9.548 \times 10^{-4}$ T	960-1130		4	a
100.0-0.0	$d = 3.7063 - 8.172 \times 10^{-4}$ T	770-910	(482)	4	a
For additional LiI systems, see : CsI- ; KI- ; LiBr- ; LiCl- ; LiF-					
	$LiNO_3$				
100	$d = 2.068 - 5.46 \times 10^{-4}$ T	545-714	±1.5%	1	a
	$LiNO_3$-LiOH				
0-100	$d = 1.718 - 4.57 \times 10^{-4}$ T	748-823	(483)	3	a
10-90	$d = 1.524 - 1.51 \times 10^{-4}$ T	693-723		3	a
20-80	$d = 1.691 - 3.1 \times 10^{-4}$ T	653-693		3	a
27-73	$d = 1.662 - 3.73 \times 10^{-4}$ T	613-693		3	a
35-65	$d = 1.878 - 5.04 \times 10^{-4}$ T	573-693		3	a
47-53	$d = 1.919 - 5.15 \times 10^{-4}$ T	523-693		3	a
55-45	$d = 1.929 - 4.95 \times 10^{-4}$ T	483-693		3	a
57-43	$d = 1.943 - 5.19 \times 10^{-4}$ T	483-693		3	a
59.5-40.5	$d = 1.87 - 3.82 \times 10^{-4}$ T	483-693		3	a
70-30	$d = 1.993 - 5.21 \times 10^{-4}$ T	483-693		3	a
80-20	$d = 2.026 - 5.42 \times 10^{-4}$ T	503-693		3	a
92.4-7.6	$d = 2.3681 - 8.065 \times 10^{-4}$ T	410-440		3	a
100-0	$d = 2.028 - 5.21 \times 10^{-4}$ T	533-693	(484)	3	a
	$LiNO_3$-$NaClO_4$				
30-70	$d = 2.4197 - 6.963 \times 10^{-4}$ T	620-680		3	a
50-50	$d = 2.2906 - 6.041 \times 10^{-4}$ T	540-680		3	a
67-33	$d = 2.2107 - 5.772 \times 10^{-4}$ T	480-680		3	a
80-20	$d = 2.1599 - 5.881 \times 10^{-4}$ T	500-680		3	a
90-10	$d = 2.147 - 6.183 \times 10^{-4}$ T	520-680		3	a
100-0	$d = 1.9892 - 4.237 \times 10^{-4}$ T	540-680	(485)	3	a
	$LiNO_3$-$NaNO_3$				
0-100	$d = 2.3335 - 7.3174 \times 10^{-4}$ T	599-742	(486)	7	a,e
20-80	$d = 2.2682 - 6.781 \times 10^{-4}$ T	552-731		7	a,e
40-60	$d = 2.222 - 6.5199 \times 10^{-4}$ T	504-739		7	a,e
60-40	$d = 2.1781 - 6.1832 \times 10^{-4}$ T	509-702		7	a,e
80-20	$d = 2.1404 - 6.093 \times 10^{-4}$ T	555-713		7	a,e
100-0	$d = 2.1721 - 7.021 \times 10^{-4}$ T	548-701	(487)	7	a,e
	$LiNO_3$-$RbNO_3$				
0-100	$d = 3.118 - 0.0010508$ T	595-730	(488)	7	a,e
10-90	$d = 2.9565 - 8.8289 \times 10^{-4}$ T	545-695		7	a,e
20-80	$d = 2.9282 - 9.1953 \times 10^{-4}$ T	515-710		7	a,e
30-70	$d = 2.8809 - 9.3513 \times 10^{-4}$ T	515-710		7	a,e
32-68	$d = 2.8692 - 9.3572 \times 10^{-4}$ T	515-695		7	a,e
40-60	$d = 2.8148 - 9.2968 \times 10^{-4}$ T	500-710		7	a,e
50-50	$d = 2.7297 - 9.0318 \times 10^{-4}$ T	500-710		7	a,e
60-40	$d = 2.6258 - 8.5565 \times 10^{-4}$ T	500-695		7	a,e
70-30	$d = 2.5024 - 7.8706 \times 10^{-4}$ T	510-695		7	a,e
80-20	$d = 2.3612 - 6.9744 \times 10^{-4}$ T	545-695		7	a,e

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	$LiNO_3$-$TlNO_3$				
0-100	d = 5.807 - 0.001858 T	483-673	(489)	7	a,e
20-80	d = 5.2396 - 0.001658 T	443-613		7	a,e
40-60	d = 4.6152 - 0.001449 T	433-615		7	a,e
60-40	d = 3.8816 - 0.00117 T	483-617		7	a,e
80-20	d = 3.0642 - 9. x 10^{-4} T	513-623		7	a,e
100-0	d = 2.1057 - 5.92 x 10^{-4} T	525-673	(490)	7	a,e
For additional $LiNO_3$ systems, see : $AgClO_3$- ; $AgNO_3$- ; $CsNO_3$- ; $KClO_4$- ; KNO_3- ; LiCl- ; $LiClO_3$- ; $LiClO_4$-					
	LiOH				
100	d = 1.718 - 4.57 x 10^{-4} T	748-823	±1%	3	a
For additional LiOH systems, see : $LiClO_3$- ; $LiNO_3$-					
	$LiPO_3$				
100	d = 2.5755 - 5.273 x 10^{-4} T	1100-1190	±3%	6	a
	$LiPO_3$-Li_3PO_4				
70-30	(T=1173 K, d=2.145)			3	a,e
80-20	d = 2.435 - 2.501 x 10^{-4} T	1073-1173		3	a,e
90-10	d = 2.44 - 2.601 x 10^{-4} T	1073-1173		3	a,e
	$LiPO_3$-$Li_4P_2O_7$				
65.7-34.3	d = 2.499 - 3.165 x 10^{-4} T	1020-1240		3	a
75.6-24.4	d = 2.3941 - 2.2 x 10^{-4} T	1020-1120		3	a
85.0-15.0	d = 2.4579 - 2.849 x 10^{-4} T	1080-1240		3	a
90.5-9.5	d = 2.4537 - 2.812 x 10^{-4} T	1080-1240		3	a
100-0	d = 2.2432 - 1.102 x 10^{-4} T	1080-1240	(491)	3	a
	LiSCN				
100	d = 1.6777 - 4.93 x 10^{-4} T	583-633	±1.5%	23	k
	Li_2CO_3				
100	d = 2.2026 - 3.729 x 10^{-4} T	1012-1115	±0.5%	1	a
	Li_2CO_3-Na_2CO_3				
0-100	d = 2.4532 - 4.267 x 10^{-4} T	1140-1240	(492)	6	a
10-90	d = 2.4443 - 4.301 x 10^{-4} T	1120-1220		6	a
20-80	d = 2.4461 - 4.437 x 10^{-4} T	1060-1220		6	a
30-70	d = 2.389 - 4.23 x 10^{-4} T	960-1180		6	a
40-60	d = 2.3653 - 4.262 x 10^{-4} T	880-1180		6	a
50-50	d = 2.3532 - 4.249 x 10^{-4} T	900-1180		6	a,c
53.3-46.7	d = 2.3581 - 4.325 x 10^{-4} T	820-1180		6	a,c
60-40	d = 2.3557 - 4.337 x 10^{-4} T	920-1180		6	a
70-30	d = 2.3474 - 4.378 x 10^{-4} T	940-1220		6	a
80-20	d = 2.2885 - 4.12 x 10^{-4} T	960-1220		6	a
90-10	d = 2.2435 - 3.991 x 10^{-4} T	980-1200		6	a
100-0	d = 2.2365 - 4.041 x 10^{-4} T	1020-1120	(493)	6	a
For additional Li_2CO_3 systems, see : KCl- ; KF- ; K_2CO_3- ; K_2SO_4- ; LiCl-					
	Li_2MoO_4				
100	d = 3.3902 - 4.783 x 10^{-4} T	1060-1230	±2%	6	a,e
	Li_2MoO_4-MoO_3				
0-100	d = 4.855 - 0.0015002 T	1100-1180	(494)	3	a
16.03-83.97	d = 4.2526 - 9.501 x 10^{-4} T	1050-1190		3	a,e
27.56-72.44	d = 4.1258 - 8.518 x 10^{-4} T	1040-1190		3	a,e
41.18-58.82	d = 3.9469 - 7.724 x 10^{-4} T	1030-1210		3	a,e
52.51-47.49	d = 3.6009 - 5.271 x 10^{-4} T	1090-1230		3	a,e
65.23-34.77	d = 3.6775 - 6.193 x 10^{-4} T	1070-1210		3	a
77.88-22.12	d = 3.6172 - 5.923 x 10^{-4} T	1060-1170		3	a
85.84-14.16	d = 3.4971 - 5.316 x 10^{-4} T	1110-1190		3	a

Table 2.1.a Density data (continued)

(mol %)	Equation — Density (g cm^{-3})	T range(K)	Accur.	Ref.	Comment
100-0	$d = 3.3983 - 5.499 \times 10^{-4}\ T$	1060-1230	(495)	3	a
	Li_2MoO_4-Na_2MoO_4				
0-100	$d = 3.3016 - 5.936 \times 10^{-4}\ T$	963-1120	(496)	6	a
20-80	$d = 3.3849 - 6.435 \times 10^{-4}\ T$	880-1120		6	a,e
38-62	$d = 3.345 - 5.843 \times 10^{-4}\ T$	820-1040		6	a,e
45-55	$d = 3.3638 - 5.922 \times 10^{-4}\ T$	840-1080		6	a,e
52-48	$d = 3.3339 - 5.543 \times 10^{-4}\ T$	800-1000		6	a,e
75-25	$d = 3.3665 - 5.735 \times 10^{-4}\ T$	900-1080		6	a
100-0	$d = 3.3983 - 5.499 \times 10^{-4}\ T$	993-1080	(497)	6	a,e
For additional Li_2MoO_4 systems, see : K_2MoO_4-					
	Li_2SO_4				
100	$d = 2.464 - 4.07 \times 10^{-4}\ T$	1133-1487	±1.5%	1	a
	Li_2SO_4-$NaPO_3$				
0-100	$d = 2.6903 - 4.59 \times 10^{-4}\ T$	930-1100	(498)	3	a
10-90	$d = 2.647 - 4.48 \times 10^{-4}\ T$	800-960		3	a
35-65	$d = 2.606 - 4.52 \times 10^{-4}\ T$	760-840		3	a
50-50	$d = 2.547 - 4.18 \times 10^{-4}\ T$	760-800		3	a
	Li_2SO_4-Na_2SO_4				
50-50	$d = 2.5562 - 4.536 \times 10^{-4}\ T$	1010-1230		6	a,e
	Li_2SO_4-Tl_2SO_4				
0-100	$d = 6.7958 - 0.001296\ T$	950-1210	(499)	6	a,e
50-50	$d = 5.1437 - 9.303 \times 10^{-4}\ T$	1050-1270		6	a,e
	Li_2SO_4-$ZnSO_4$				
0-100	$d = 3.591 - 4.7 \times 10^{-4}\ T$	873-1273	(500)	33	a
50-50	$d = 2.9984 - 4.245 \times 10^{-4}\ T$	870-960		6	a
For additional Li_2SO_4 systems, see : Ag_2SO_4- ; K_2CO_3- ; K_2SO_4-					
	$Li_2S_{3.9}$				
100	$d = 2.1309 - 5.852 \times 10^{-4}\ T$	637-724	±0.1%	34	k
	Li_2WO_4				
100	$d = 5.0527 - 7.818 \times 10^{-4}\ T$	1040-1190	±2%	6	a,e
	Li_2WO_4-Na_2WO_4				
0-100	$d = 4.7595 - 9.127 \times 10^{-4}\ T$	975-1145	(501)	6	a,e
15-85	$d = 4.9476 - 0.0010141\ T$	943-1053		6	a
30-70	$d = 4.8062 - 8.448 \times 10^{-4}\ T$	893-1051		6	a,e
40-60	$d = 4.9025 - 9.03 \times 10^{-4}\ T$	853-1028		6	a,e
52.6-47.4	$d = 4.9295 - 8.766 \times 10^{-4}\ T$	804-989		6	a
70-30	$d = 4.9982 - 8.667 \times 10^{-4}\ T$	923-1095		6	a,e
85-15	$d = 4.9755 - 7.817 \times 10^{-4}\ T$	997-1256		6	a,e
100-0	$d = 5.0527 - 7.818 \times 10^{-4}\ T$	1040-1180	(502)	6	a,e
	Li_2WO_4-WO_3				
44.95-55.05	$d = 6.2894 - 0.0011628\ T$	1090-1190		3	a
49.99-50.01	$d = 6.4441 - 0.0013413\ T$	1040-1220		3	a
59.98-40.02	$d = 6.095 - 0.0011906\ T$	1040-1250		3	a
69.92-30.08	$d = 5.8312 - 0.0011122\ T$	1010-1190		3	a
79.51-20.49	$d = 5.553 - 9.916 \times 10^{-4}\ T$	980-1190		3	a
88.86-11.14	$d = 5.2485 - 8.511 \times 10^{-4}\ T$	1010-1220		3	a
100-0	$d = 5.1265 - 8.062 \times 10^{-4}\ T$	1040-1160	(503)	3	a
For additional Li_2WO_4 systems, see : K_2WO_4-					
	Li_3AlF_6				
100	$d = 3.0422 - 8.359 \times 10^{-4}\ T$	1130-1320	±3%	10	a
	Li_3AlF_6-Na_3AlF_6				
0-100	$d = 3.2732 - 9.2 \times 10^{-4}\ T$	1280-1320	(504)	6	a
10-90	$d = 3.2303 - 9. \times 10^{-4}\ T$	1260-1320		6	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
20-80	$d = 3.2392 - 9.2 \times 10^{-4}$ T	1250-1320		6	a
30-70	$d = 3.24 - 9.3 \times 10^{-4}$ T	1240-1320		6	a
40-60	$d = 3.1858 - 9. \times 10^{-4}$ T	1230-1320		6	a
50-50	$d = 3.187 - 9.1 \times 10^{-4}$ T	1230-1320		6	a
60-40	$d = 3.1775 - 9.1 \times 10^{-4}$ T	1230-1320		6	a
70-30	$d = 3.1782 - 9.2 \times 10^{-4}$ T	1230-1320		6	a
80-20	$d = 3.1565 - 9.1 \times 10^{-4}$ T	1230-1320		6	a
90-10	$d = 3.1211 - 8.9 \times 10^{-4}$ T	1230-1320		6	a
100-0	$d = 3.0422 - 8.359 \times 10^{-4}$ T	1130-1320	(505)	6	a,b,e
	Li_3AlF_6-Rb_3AlF_6				
20-80	$d = 3.7691 - 0.0011054$ T	1143-1270		6	a,e
30-70	$d = 3.8019 - 0.0011781$ T	1080-1270		6	a,e
40-60	$d = 3.7174 - 0.0011517$ T	1080-1270		6	a,e
50-50	$d = 3.7503 - 0.0012306$ T	1080-1270		6	a,e
60-40	$d = 3.7402 - 0.001263$ T	1080-1270		6	a,e
70-30	$d = 3.6499 - 0.0012066$ T	1080-1270		6	a,e,l
80-20	$d = 3.5479 - 0.001174$ T	1080-1270		6	a,e
90-10	$d = 3.4793 - 0.00117$ T	1038-1270		6	a,e
100-0	$d = 3.251 - 0.001034$ T	1073-1270	(506)	6	a,e
For additional Li_3AlF_6 systems, see : Al_2O_3- ; Cs_3AlF_6- ; K_3AlF_6-					
	Li_3PO_4				
For Li_3PO_4 systems, see : $LiPO_3$-					
	$MgBr_2$				
100	$d = 3.087 - 4.78 \times 10^{-4}$ T	1040-1208	±1.5%	1	a
	$MgCl_2$				
100	$d = 1.95 - 2.712 \times 10^{-4}$ T	1017-1099	±1%	14	d
	$MgCl_2$-NaCl				
0-100	$d = 2.1321 - 5.2995 \times 10^{-4}$ T	1090-1170	(507)	5	a
5.0-95.0	$d = 2.1429 - 5.3845 \times 10^{-4}$ T	1030-1120		5	a
11.0-89.0	$d = 2.1392 - 5.307 \times 10^{-4}$ T	1080-1120		5	a
23.6-76.4	$d = 2.0488 - 4.2896 \times 10^{-4}$ T	1050-1090		5	a
28.9-71.1	$d = 2.0431 - 4.1877 \times 10^{-4}$ T	1040-1100		5	a
33.7-66.3	$d = 2.1182 - 4.8222 \times 10^{-4}$ T	1050-1110		5	a
41.8-58.2	$d = 2.1253 - 4.7419 \times 10^{-4}$ T	1030-1100		5	a
51.5-48.5	$d = 2.1967 - 5.2669 \times 10^{-4}$ T	1040-1120		5	a
62.3-37.7	$d = 2.2029 - 5.1352 \times 10^{-4}$ T	1030-1120		5	a
74.4-25.6	$d = 2.1348 - 4.3414 \times 10^{-4}$ T	1050-1120		5	a
82.3-17.7	$d = 2.1501 - 4.4361 \times 10^{-4}$ T	1020-1110		5	a
100-0	$d = 1.95 - 2.712 \times 10^{-4}$ T	1017-1099	(508)	5	a
	$MgCl_2$-RbCl				
0.0-100.0	$d = 3.1073 - 8.683 \times 10^{-4}$ T	1010-1170	(509)	5	a
5.6-94.4	$d = 3.0328 - 8.485 \times 10^{-4}$ T	1030-1110		5	a
15.1-84.9	$d = 2.7973 - 7.087 \times 10^{-4}$ T	1010-1090		5	a
24.5-75.5	$d = 2.6693 - 6.661 \times 10^{-4}$ T	1020-1120		5	a
31.2-68.8	$d = 2.5961 - 6.329 \times 10^{-4}$ T	1030-1110		5	a
33.3-66.7	$d = 2.6141 - 6.652 \times 10^{-4}$ T	960-1070		5	a
37.0-63.0	$d = 2.5856 - 6.54 \times 10^{-4}$ T	1030-1110		5	a
48.4-51.6	$d = 2.5058 - 6.128 \times 10^{-4}$ T	1000-1100		5	a
68.1-31.9	$d = 2.4748 - 6.228 \times 10^{-4}$ T	1010-1070		5	a
80-20	$d = 2.893 - 0.001049$ T	1023-1123		14	k
85.7-14.3	$d = 2.6899 - 8.819 \times 10^{-4}$ T	1030-1110		5	a
92.3-7.7	$d = 2.1637 - 4.225 \times 10^{-4}$ T	1020-1110		5	a
100.0-0.0	$d = 1.95 - 2.712 \times 10^{-4}$ T	1017-1099	(510)	5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
For additional $MgCl_2$ systems, see : $BaCl_2$- ; $CaCl_2$-KCl- ; $CaCl_2$- ; CsCl- ; KCl- ; LiCl-					
	MgF_2				
100	d = 3.235 - 5.24 x 10^{-4} T	1650-2100	±3%	1	a
	MgF_2-Na_3AlF_6				
75-100 Na_3AlF_6	d = 2.27 - 0.00174 C	1273	(511)	3	a
	MgI_2				
100	d = 3.642 - 6.51 x 10^{-4} T	965-1161	±1.5%	1	a
	$Mg(NO_3)_2$				
For $Mg(NO_3)_2$ systems, see : $AgNO_3$- ; KNO_3-					
	MgO				
For MgO systems, see : CaF_2-					
	$MnCl_2$				
100	d = 2.75701 - 4.3766 x 10^{-4} T	923-1123	±1%	1	a
	$MnCl_2$-NaCl				
0-100	d = 2.126 - 5.327 x 10^{-4} T	1089-1220	(512)	35	k
20-80	d = 2.332 - 5.617 x 10^{-4} T	1016-1118		35	k
30-70	d = 2.425 - 5.633 x 10^{-4} T	959-1112		35	k
40-60	d = 2.581 - 6.445 x 10^{-4} T	810-1115		35	k
50-50	d = 2.67 - 6.576 x 10^{-4} T	757-1111		35	k
60-40	d = 2.779 - 7.039 x 10^{-4} T	820-1111		35	k
80-20	d = 2.816 - 5.963 x 10^{-4} T	913-1090		35	k
100-0	d = 2.841 - 5.211 x 10^{-4} T	969-1088	(513)	35	k
	$MnCl_2$-RbCl				
0-100	d = 3.136 - 8.951 x 10^{-4} T	1039-1102	(514)	35	k
10-90	d = 3.077 - 8.576 x 10^{-4} T	958-1089		35	k
20-80	d = 2.969 - 7.815 x 10^{-4} T	905-1081		35	k
30-70	d = 2.919 - 7.506 x 10^{-4} T	753-1080		35	k
40-60	d = 2.896 - 7.282 x 10^{-4} T	834-1064		35	k
45-55	d = 2.936 - 7.561 x 10^{-4} T	849-1069		35	k
50-50	d = 2.981 - 7.901 x 10^{-4} T	856-1061		35	k
55-45	d = 2.991 - 7.827 x 10^{-4} T	865-1055		35	k
60-40	d = 3.011 - 7.847 x 10^{-4} T	862-1065		35	k
70-30	d = 3.054 - 7.921 x 10^{-4} T	814-1067		35	k
80-20	d = 3.012 - 7.18 x 10^{-4} T	891-1071		35	k
90-10	d = 2.931 - 6.184 x 10^{-4} T	913-1082		35	k
100-0	d = 2.841 - 5.211 x 10^{-4} T	969-1088	(515)	35	k
For additional $MnCl_2$ systems, see : $CaCl_2$- ; CsCl- ; KCl- ; LiCl-					
	MoO_3				
100	d = 4.855 - 0.0015002 T	1100-1180	±4%	3	a
	MoO_3-Na_2MoO_4				
28-72	(T=980 K, d=2.79)			3	a
34-66	d = 3.7886 - 8.88 x 10^{-4} T	960-1100		3	a,e
60-40	d = 4.0844 - 0.0010311 T	940-1100		3	a,e
70-30	d = 4.362 - 0.001212 T	940-1100		3	a
78-22	d = 4.165 - 0.001007 T	940-1100		3	a
88-12	d = 4.028 - 8.65 x 10^{-4} T	1000-1100		3	a
90.2-9.8	d = 4.0077 - 8.553 x 10^{-4} T	1070-1140		3	a,e
100-0	d = 4.5226 - 0.0013049 T	1080-1170	(516)	3	a
For additional MoO_3 systems, see : K_2MoO_4- ; Li_2MoO_4-					
	$NaAlCl_4$				

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
For $NaAlCl_4$ systems, see : $KAlCl_4$-$LiAlBr_4$-					
	$NaBF_4$				
100	$d = 2.4681 - 7.51 \times 10^{-4}$ T	690-820	±1%	6	a
	$NaBF_4$-NaF				
92-8	$d = 2.446 - 7.11 \times 10^{-4}$ T	680-860		10	a
	$NaBO_2$-$NaPO_3$				
31.0-69.0	$d = 1.5391 + 5.198 \times 10^{-4}$ T	1120-1220		3	a,e,v1
49.8-50.2	$d = 1.6111 + 4.801 \times 10^{-4}$ T	1120-1220		3	a,e,v1
61.5-38.5	$d = 1.6959 + 4.3 \times 10^{-4}$ T	1120-1220		3	a,e,v1
73.8-26.2	$d = 1.8445 + 3.3 \times 10^{-4}$ T	1120-1220		3	a,v1
81.5-18.5	$d = 1.858 + 3.299 \times 10^{-4}$ T	1120-1220		3	a,v1
84.1-15.9	$d = 1.9083 + 2.899 \times 10^{-4}$ T	1120-1220		3	a,v1
97.4-2.6	$d = 2.0893 + 1. \times 10^{-4}$ T	1120-1220		3	a,e,v1
99.4-0.6	$d = 1.9825 + 1.7 \times 10^{-4}$ T	1120-1220		3	a,e,v1
	NaBr				
100	$d = 3.1748 - 8.169 \times 10^{-4}$ T	1027-1218	±1%	1	a
	NaBr-NaCl				
0-100	$d = 2.139 - 5.444 \times 10^{-4}$ T	1090-1200	(517)	2	a
20-80	$d = 2.3875 - 6.189 \times 10^{-4}$ T	1070-1200		2	a
40-60	$d = 2.5924 - 6.62 \times 10^{-4}$ T	1050-1210		2	a
50-50	$d = 2.6657 - 6.612 \times 10^{-4}$ T	1030-1210		2	a
60-40	$d = 2.7896 - 7.1 \times 10^{-4}$ T	1050-1200		2	a
80-20	$d = 3.001 - 7.77 \times 10^{-4}$ T	1050-1200		2	a
100-0	$d = 3.1799 - 8.22 \times 10^{-4}$ T	1050-1220	(518)	2	a
	NaBr-NaI				
0-100	$d = 3.6144 - 9.392 \times 10^{-4}$ T	960-1120	(519)	2	a
20-80	$d = 3.5445 - 9.193 \times 10^{-4}$ T	1000-1120		2	a
40-60	$d = 3.4473 - 8.829 \times 10^{-4}$ T	950-1130		2	a
60-40	$d = 3.3808 - 8.787 \times 10^{-4}$ T	960-1120		2	a
80-20	$d = 3.3058 - 8.706 \times 10^{-4}$ T	1000-1120		2	a
100-0	$d = 3.1799 - 8.22 \times 10^{-4}$ T	1050-1220	(520)	2	a
	NaBr-Na_2CrO_4				
0-100	$d = 3.236 - 8.755 \times 10^{-4}$ T	1033-1113	(521)	3	a,e
10-90	$d = 3.115 - 7.503 \times 10^{-4}$ T	1033-1113		3	a,e
50-50	$d = 3.125 - 7.502 \times 10^{-4}$ T	1033-1113		3	a
90-10	$d = 2.797 - 5.001 \times 10^{-4}$ T	1033-1113		3	a,e
100-0	$d = 2.639 - 3.754 \times 10^{-4}$ T	1033-1113	(522)	3	a,e
	NaBr-$PbBr_2$				
30-100 $PbBr_2$	$d = 2.3484 + 0.051031\ C - 3.0757 \times 10^{-4}\ C^2 + 9.4312 \times 10^{-7}\ C^3$	873	(523)	4	a,n
	NaBr-RbBr				
0-100	$d = 3.7373 - 0.0010704$ T	980-1140	(524)	4	a
50-50	$d = 3.5262 - 9.885 \times 10^{-4}$ T	970-1130		4	a
100-0	$d = 3.1799 - 8.22 \times 10^{-4}$ T	1050-1220	(525)	4	a
	NaBr-TlBr				
0-100	$d = 7.4335 - 0.001922$ T	1023-1063	(526)	4	a,e
10-90	$d = 7.407 - 0.002175$ T	1023-1063		4	a,e
20-80	$d = 7.277 - 0.002323$ T	1023-1063		4	a,e
30-70	$d = 7.021 - 0.002349$ T	1023-1063		4	a,e
40-60	$d = 6.684 - 0.002299$ T	1023-1063		4	a,e
50-50	$d = 6.237 - 0.002149$ T	1023-1063		4	a,e
60-40	$d = 5.703 - 0.001924$ T	1023-1063		4	a,e
70-30	$d = 5.102 - 0.001649$ T	1023-1063		4	a,e
80-20	$d = 4.485 - 0.001375$ T	1023-1063		4	a,e
90-10	$d = 3.768 - 0.001024$ T	1023-1063		4	a,e
100-0	$d = 3.027 - 6.742 \times 10^{-4}$ T	1023-1110	(527)	4	a,e

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
For additional NaBr systems, see : AgBr- ; AgCl- ; $AlBr_3$- ; $AlCl_3$- ; $CdBr_2$- ; CsCl- ; KBr- ; KCl- ; LiBr-					
	NaCl				
100	$d = 2.1389 - 5.426 \times 10^{-4}$ T	1080-1300	±0.5%	3	d,i
	NaCl-NaF				
0-100	(T=1173 K, d=1.932)		(528)	2	a
25-75	(T=1173 K, d=1.814)			2	a
30-70	(T=1273 K, d=1.716)			2	a
50-50	$d = 1.872 - 1.78 \times 10^{-4}$ T	1173-1273		2	a,e
75-25	$d = 2.346 - 6.64 \times 10^{-4}$ T	1173-1273		2	a,e
100-0	(T=1173 K, d=1.486)		(529)	2	a
	NaCl-NaF-NaI				
31.6-15.2-53.2	$d = 3.29 - 9. \times 10^{-4}$ T	810-1070		36	k
	NaCl-NaI				
0-100	$d = 3.6144 - 9.392 \times 10^{-4}$ T	960-1120	(530)	2	a
20-80	$d = 3.3898 - 8.696 \times 10^{-4}$ T	1000-1130		2	a
40-60	$d = 3.124 - 7.832 \times 10^{-4}$ T	980-1120		2	a
60-40	$d = 2.8372 - 7.02 \times 10^{-4}$ T	1000-1120		2	a
80-20	$d = 2.5162 - 6.263 \times 10^{-4}$ T	1030-1130		2	a
100-0	$d = 2.139 - 5.444 \times 10^{-4}$ T	1090-1200	(531)	2	a
	NaCl-$NaNO_3$				
0-100	$d = 2.3389 - 7.36 \times 10^{-4}$ T	598-723	(532)	3	a
0.97-99.03	$d = 2.3156 - 7.017 \times 10^{-4}$ T	598-723		3	a
2-98	$d = 2.3331 - 7.292 \times 10^{-4}$ T	620-720		3	a
3.09-96.91	$d = 2.324 - 7.154 \times 10^{-4}$ T	598-723		3	a
4-96	$d = 2.3405 - 7.418 \times 10^{-4}$ T	620-720		3	a
5-95	$d = 2.333 - 7.303 \times 10^{-4}$ T	598-723		3	a
6-94	$d = 2.3313 - 7.257 \times 10^{-4}$ T	620-720		3	a
6.98-93.02	$d = 2.3368 - 7.384 \times 10^{-4}$ T	598-723		3	a
8-92	$d = 2.3333 - 7.348 \times 10^{-4}$ T	620-720		3	a
9.9-90.1	$d = 2.3277 - 7.258 \times 10^{-4}$ T	598-723		3	a
11.92-88.08	$d = 2.3352 - 7.361 \times 10^{-4}$ T	660-720		3	a
13.9-86.1	$d = 2.3207 - 7.2 \times 10^{-4}$ T	673-723		3	a
	NaCl-NaOH				
0-100	(T=693 K, d=1.737)		(533)	3	a
5-95	(T=693 K, d=1.737)			3	a
10-90	(T=693 K, d=1.737)			3	a
15-85	(T=693 K, d=1.737)			3	a
20-80	(T=693 K, d=1.737)			3	a
	NaCl-NaOH-Na_2CO_3				
2.0-96.4-1.6	$d = 2.0986 - 5. \times 10^{-4}$ T	600-720		3	a
3.6-94.8-1.6	$d = 2.1101 - 5.201 \times 10^{-4}$ T	600-720		3	a
5.3-93.1-1.6	$d = 2.1065 - 5.163 \times 10^{-4}$ T	600-720		3	a
7.3-91.1-1.6	$d = 2.1112 - 5.2 \times 10^{-4}$ T	600-720		3	a
10.2-88.1-1.7	$d = 2.1212 - 5.316 \times 10^{-4}$ T	600-720		3	a
	NaCl-Na_2CO_3				
18.2-81.8	$d = 2.3645 - 3.8 \times 10^{-4}$ T	1100-1150		3	a
33.3-66.7	$d = 2.2831 - 3.44 \times 10^{-4}$ T	998-1148		3	a
46.2-53.8	$d = 2.2172 - 3.286 \times 10^{-4}$ T	1000-1150		3	a
57.1-42.9	$d = 2.1485 - 3.085 \times 10^{-4}$ T	1023-1148		3	a
62.1-37.9	$d = 2.1823 - 3.571 \times 10^{-4}$ T	1000-1150		3	a
66.7-33.3	$d = 2.2411 - 4.367 \times 10^{-4}$ T	1098-1148		3	a
71-29	$d = 2.2051 - 4.228 \times 10^{-4}$ T	1098-1148		3	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
75-25	$d = 2.1209 - 3.679 \times 10^{-4}$ T	1060-1150		3	a
82.4-17.6	$d = 2.0025 - 2.999 \times 10^{-4}$ T	1100-1148		3	a
88.9-11.1	$d = 2.2168 - 5.198 \times 10^{-4}$ T	1100-1150		3	a
100-0	$d = 1.8564 - 3.202 \times 10^{-4}$ T	1080-1150	(534)	3	a
	$NaCl-Na_2O$				
0.9-0.1 Na_2O	$d = 1.493 - 0.346\ C + 0.01074\ C^2 - 0.71\ C^3$	1193		3	a
	$NaCl-Na_2TiF_6$				
0-100	$d = 3.0062 - 7. \times 10^{-4}$ T	1030-1110	(535)	3	a,e
5-95	$d = 3.0734 - 7.9 \times 10^{-4}$ T	1030-1110		3	a,e
10-90	$d = 3.143 - 8.88 \times 10^{-4}$ T	970-1110		3	a
15-85	$d = 3.135 - 9.24 \times 10^{-4}$ T	970-1110		3	a,e
20-80	$d = 3.0928 - 9.341 \times 10^{-4}$ T	970-1110		3	a,e
25-75	$d = 2.9338 - 8.241 \times 10^{-4}$ T	970-1110		3	a,e
30-70	$d = 2.8866 - 8.26 \times 10^{-4}$ T	970-1110		3	a,e
35-65	$d = 2.8165 - 8.081 \times 10^{-4}$ T	970-1110		3	a,e
40-60	$d = 2.808 - 8.38 \times 10^{-4}$ T	970-1110		3	a
50-50	$d = 2.6838 - 7.96 \times 10^{-4}$ T	970-1110		3	a,e
60-40	$d = 2.906 - 0.0011$ T	970-1110		3	a
70-30	$d = 2.3184 - 5.7 \times 10^{-4}$ T	970-1110		3	a,e
	$NaCl-Na_2ZrF_6$				
100-0 Na_2ZrF_6	$d = 1.4759 + 0.00643\ C + 4.4 \times 10^{-5}\ C^2$	1173	(536)	3	a
	$NaCl-Na_3AlF_6$				
50-100 Na_3AlF_6	$d = 1.874 - 0.00141\ C + 3.7 \times 10^{-5}\ C^2$	1273	(537)	3	a
	$NaCl-Na_4P_2O_7$				
0-100	$d = 2.5876 - 3.201 \times 10^{-4}$ T	1270-1370	(538)	3	a
19.7-80.3	$d = 2.6498 - 3.941 \times 10^{-4}$ T	1230-1370		3	a
35.3-64.7	$d = 2.5775 - 3.72 \times 10^{-4}$ T	1220-1370		3	a
50.2-49.8	$d = 2.5031 - 3.68 \times 10^{-4}$ T	1170-1370		3	a
68.4-31.6	$d = 2.4443 - 4.143 \times 10^{-4}$ T	1070-1370		3	a
80.0-20.0	$d = 2.3712 - 4.436 \times 10^{-4}$ T	1070-1370		3	a
100-0	$d = 2.132 - 5.429 \times 10^{-4}$ T	1080-1370	(539)	3	a
	$NaCl-NdCl_3$				
15.0-85.0	$d = 4.12 - 8.43 \times 10^{-4}$ T	1021-1273		16	k
31.5-68.5	$d = 3.93 - 8.57 \times 10^{-4}$ T	1005-1281		16	k
44.7-55.3	$d = 3.703 - 7.83 \times 10^{-4}$ T	1023-1282		16	k
60.7-39.3	$d = 3.351 - 7.2 \times 10^{-4}$ T	1016-1283		16	k
73.8-26.2	$d = 3.032 - 6.92 \times 10^{-4}$ T	1093-1283		16	k
87.5-12.5	$d = 2.522 - 5.37 \times 10^{-4}$ T	1131-1284		16	k
100-0	$d = 2.181 - 5.73 \times 10^{-4}$ T	1111-1294	(540)	16	k
	$NaCl-PbCl_2$				
0.0-100.0	$d = 6.089 - 0.001477$ T	920-1060	(541)	5	a
25.0-75.0	$d = 5.435 - 0.001352$ T	770-970		5	a
50.0-50.0	$d = 4.568 - 0.001124$ T	830-1030		5	a
75.2-24.8	$d = 3.517 - 8.64 \times 10^{-4}$ T	980-1070		5	a
	$NaCl-PrCl_3$				
24.8-75.2	$d = 3.842 - 7.11 \times 10^{-4}$ T	1093-1273		16	k
38.1-61.9	$d = 3.622 - 7.08 \times 10^{-4}$ T	1098-1273		16	k
60.6-39.4	$d = 3.229 - 6.71 \times 10^{-4}$ T	1103-1273		16	k
74.2-25.8	$d = 2.939 - 6.1 \times 10^{-4}$ T	1083-1273		16	k
88.4-11.6	$d = 2.685 - 6.66 \times 10^{-4}$ T	1113-1278		16	k
100-0	$d = 2.181 - 5.73 \times 10^{-4}$ T	1111-1294	(542)	16	k

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	$NaCl-RbCl$				
0-100	$d = 3.0863 - 8.514 \times 10^{-4}\ T$	1020-1230	(543)	5	a
25-75	$d = 2.9095 - 8.016 \times 10^{-4}\ T$	1000-1150		5	a
50-50	$d = 2.6952 - 7.303 \times 10^{-4}\ T$	1010-1150		5	a
75-25	$d = 2.6034 - 7.988 \times 10^{-4}\ T$	1010-1170		5	a
100-0	$d = 2.139 - 5.444 \times 10^{-4}\ T$	1090-1170	(544)	5	a
	$NaCl-SrCl_2$				
0-100	$d = 3.2257 - 4.5 \times 10^{-4}\ T$	1168-1273	(545)	37	k
10-90	$d = 3.1521 - 4.6 \times 10^{-4}\ T$	1111-1273		37	k
20-80	$d = 3.0746 - 4.7 \times 10^{-4}\ T$	1052-1273		37	k
30-70	$d = 2.9872 - 4.8 \times 10^{-4}\ T$	986-1273		37	k
40-60	$d = 2.8801 - 4.8 \times 10^{-4}\ T$	924-1273		37	k
50-50	$d = 2.7796 - 4.9 \times 10^{-4}\ T$	861-1273		37	k
60-40	$d = 2.6721 - 5. \times 10^{-4}\ T$	931-1273		37	k
70-30	$d = 2.5429 - 5. \times 10^{-4}\ T$	985-1273		37	k
80-20	$d = 2.4136 - 5.1 \times 10^{-4}\ T$	1028-1273		37	k
90-10	$d = 2.271 - 5.2 \times 10^{-4}\ T$	1066-1273		37	k
100-0	$d = 2.1061 - 5.2 \times 10^{-4}\ T$	1093-1273	(546)	37	k
	$NaCl-ThCl_4$				
0-100	$d = 4.823 - 0.0014\ T$	1050-1120	(547)	5	a
22-78	$d = 4.288 - 0.00107\ T$	960-1120		5	a
40-60	$d = 4.129 - 0.00104\ T$	820-1070		5	a
47-53	$d = 4.024 - 0.00101\ T$	740-1070		5	a
55-45	$d = 3.905 - 0.00101\ T$	680-1070		5	a
60-40	$d = 3.828 - 9.9 \times 10^{-4}\ T$	690-1070		5	a
64-36	$d = 3.772 - 9.8 \times 10^{-4}\ T$	7.10-1070		5	a
67-33	$d = 3.692 - 9.8 \times 10^{-4}\ T$	710-1070		5	a
70-30	$d = 3.643 - 9.7 \times 10^{-4}\ T$	720-1070		5	a
73-27	$d = 3.589 - 9.7 \times 10^{-4}\ T$	670-1070		5	a
76-24	$d = 3.472 - 9.2 \times 10^{-4}\ T$	790-1070		5	a
80-20	$d = 3.228 - 8.6 \times 10^{-4}\ T$	880-1120		5	a
84-16	$d = 3.164 - 8.5 \times 10^{-4}\ T$	940-1120		5	a
89-11	$d = 2.824 - 7.5 \times 10^{-4}\ T$	1010-1170		5	a
100-0	$d = 2.086 - 5. \times 10^{-4}\ T$	1080-1170	(548)	5	a
	$NaCl-UCl_3$				
46.2-53.8	$d = 6.639 - 0.0030582\ T$	980-1270		5	a
75.3-24.7	$d = 4.29 - 0.0015903\ T$	980-1270		5	a
91.3-8.7	$d = 2.7796 - 6.828 \times 10^{-4}\ T$	980-1270		5	a
98.4-1.6	$d = 2.2075 - 5.655 \times 10^{-4}\ T$	980-1270		5	a
	$NaCl-UCl_4$				
0.00-100.00	$d = 5.2508 - 0.0019455\ T$	870-940	(549)	5	a
3.41-96.59	$d = 4.9313 - 0.0016147\ T$	870-930		5	a
7.04-92.96	$d = 4.8592 - 0.001562\ T$	860-920		5	a
11.87-88.13	$d = 4.7175 - 0.0014402\ T$	850-910		5	a
19.08-80.92	$d = 4.6915 - 0.0014773\ T$	830-920		5	a
38.85-61.15	$d = 4.4491 - 0.0014268\ T$	790-920		5	a
48.76-51.24	$d = 4.1291 - 0.0012157\ T$	780-920		5	a
55.72-44.28	$d = 3.8614 - 0.0010237\ T$	830-910		5	a
67.80-32.20	$d = 3.4098 - 7.707 \times 10^{-4}\ T$	880-910		5	a
	$NaCl-YCl_3$				
15.0-85.0	$d = 3.001 - 4.515 \times 10^{-4}\ T$	1085-1272		28	k
30.2-69.8	$d = 3.036 - 6.219 \times 10^{-4}\ T$	1071-1275		28	k
40.9-59.1	$d = 2.913 - 5.398 \times 10^{-4}\ T$	1080-1278		28	k

Table 2.1.a Density data (continued)

(mol %)	Equation [Density (g cm⁻³)]	T range(K)	Accur.	Ref.	Comment
55.8-44.2	$d = 2.732 - 5.367 \times 10^{-4} T$	1070-1270		28	k
71.9-28.1	$d = 2.567 - 5.264 \times 10^{-4} T$	1080-1263		28	k
85.1-14.9	$d = 2.44 - 5.501 \times 10^{-4} T$	1070-1233		28	k
	$NaCl-ZnCl_2$				
0.00-100.00	$d = 2.8375 - 5.2926 \times 10^{-4} T$	590-830	(550)	5	a,c
2.61-97.39	$d = 2.8426 - 5.555 \times 10^{-4} T$	590-780		5	a,b,c,e
4.60-95.40	$d = 2.8391 - 5.532 \times 10^{-4} T$	590-860		5	a,c
6.21-93.79	$d = 2.8427 - 5.7501 \times 10^{-4} T$	590-760		5	a,c
9.70-90.30	$d = 2.8202 - 5.5558 \times 10^{-4} T$	590-860		5	a,c
12.50-87.50	$d = 2.8179 - 5.7254 \times 10^{-4} T$	600-770		5	a,c
19.20-80.80	$d = 2.8189 - 6.1266 \times 10^{-4} T$	600-730		5	a,c
24.40-75.60	$d = 2.8011 - 6.2198 \times 10^{-4} T$	580-770		5	a,c
29.80-70.20	$d = 2.8091 - 6.6262 \times 10^{-4} T$	570-860		5	a,c
39.60-60.40	$d = 2.7582 - 6.7248 \times 10^{-4} T$	570-770		5	a,c
40.70-59.30	$d = 2.7563 - 6.7338 \times 10^{-4} T$	560-880		5	a,b,c,e
43.5-56.5	$d = 2.649 - 6.473 \times 10^{-4} T$	595-736		19,20	k
46.60-53.40	$d = 2.7068 - 6.5899 \times 10^{-4} T$	570-860		5	a,c
55.30-44.70	$d = 2.6269 - 6.4288 \times 10^{-4} T$	640-870		5	a,c
65.00-35.00	$d = 2.5626 - 6.466 \times 10^{-4} T$	740-840		5	a,c
100-0	$d = 2.146 - 5.507 \times 10^{-4} T$	1078-1232	(551)	19,20	k
For additional NaCl systems, see : AgBr- ; $AlCl_3$-LiCl- ; $AlCl_3$- ; $BaCl_2$- ; $BeCl_2$- ; $CaCl_2$-$LaCl_3$- ; $CaCl_2$-$MgCl_2$- ; $CaCl_2$- ; $CdCl_2$- ; CsBr- ; CsCl- ; KBr- ; KCl- ; KF- ; KI- ; K_2CO_3- ; K_2ZrF_6- ; $LaCl_3$- ; LiCl- ; $MgCl_2$- ; $MnCl_2$- ; NaBr- ; $CeCl_3$-KCl* ; KCl*					
	$NaClO_3$				
100	$d = 2.5728 - 8.7933 \times 10^{-4} T$	540-555	±1%	6	a
	$NaClO_3-NaNO_3$				
38.9-61.1	$d = 2.4798 - 8.7 \times 10^{-4} T$	520-560		3	a
51.5-48.5	$d = 2.5097 - 8.871 \times 10^{-4} T$	510-560		3	a
72.7-27.3	$d = 2.5362 - 8.8 \times 10^{-4} T$	510-560		3	a
100-0	$d = 2.5728 - 8.7933 \times 10^{-4} T$	540-560	(552)	3	a
	$NaClO_4-NaNO_3$				
0-100	$d = 2.3206 - 7.151 \times 10^{-4} T$	590-680	(553)	3	a,b,e
10-90	$d = 2.303 - 6.5 \times 10^{-4} T$	580-670		3	a
20-80	$d = 2.31 - 6.34 \times 10^{-4} T$	540-670		3	a
38.5-61.5	$d = 2.376 - 6.71 \times 10^{-4} T$	500-670		3	a
45-55	$d = 2.405 - 6.91 \times 10^{-4} T$	540-670		3	a
70-30	$d = 2.464 - 7.23 \times 10^{-4} T$	660-670		3	a
For additional $NaClO_4$ systems, see : KNO_3- ; $LiClO_4$- ; $LiNO_3$-					
	$NaC_2H_3O_2$				
100	$d = 1.688 - 7.02 \times 10^{-4} T$	610-620	±1%	6	a,e
	$NaC_2H_3O_2-RbC_2H_3O_2$				
0-100	$d = 2.503 - 9.515 \times 10^{-4} T$	570-620	(554)	6	a,b,e
25-75	$d = 2.274 - 8.313 \times 10^{-4} T$	590-620		6	a,b,e
50-50	$d = 2.112 - 8.308 \times 10^{-4} T$	590-620		6	a,b,e
75-25	$d = 1.875 - 7.302 \times 10^{-4} T$	590-620		6	a,b,e
100-0	$d = 1.688 - 7.02 \times 10^{-4} T$	610-620	(555)	6	a,b,e
For additional $NaC_2H_3O_2$ systems, see : $CsC_2H_3O_2$-					
	NaF				
100	$d = 2.755 - 6.36 \times 10^{-4} T$	1280-1370	±1%	10	a,d,i
	$NaF-Na_2B_4O_7$				
74-38 $Na_2B_4O_7$	$d = 2.272 - 0.00188 C + 1.5 \times 10^{-5} C^2$	1223		3	a
	$NaF-Na_2ZrF_6$				
0-100	$d = 2.645 - 5.6 \times 10^{-4} T$	1070-1270	(556)	3	a
20-80	$d = 3.569 - 8.6 \times 10^{-4} T$	1070-1270		3	a

Table 2.1.a Density data (continued)

(mol %)	Equation (Density (g cm⁻³))	T range(K)	Accur.	Ref.	Comment
40-60	$d = 3.621 - 8.9 \times 10^{-4}\ T$	1070-1270		3	a
60-40	$d = 3.631 - 9.1 \times 10^{-4}\ T$	1070-1270		3	a
80-20	$d = 3.413 - 7.9 \times 10^{-4}\ T$	1070-1270		3	a
	$NaF-Na_3AlF_6$				
0-100	$d = 3.2892 - 9.3797 \times 10^{-4}\ T$	1273-1353	(557)	3	a
21-79	$d = 3.311 - 9.5 \times 10^{-4}\ T$	1280-1340		3	a
36-64	$d = 3.275 - 9.2 \times 10^{-4}\ T$	1280-1340		3	a
47-53	$d = 3.265 - 9.1 \times 10^{-4}\ T$	1260-1340		3	a
56-44	$d = 3.263 - 9.1 \times 10^{-4}\ T$	1260-1340		3	a
77-23	$d = 3.083 - 7.9 \times 10^{-4}\ T$	1220-1340		3	a
100-0	$d = 2.733 - 6.1 \times 10^{-4}\ T$	1260-1340	(558)	3	a
	$NaF-SmF_3$				
50.0-50.0	$d = 5.324 - 8.553 \times 10^{-4}\ T$	1280-1340		10	a
60.0-40.0	$d = 4.901 - 8.255 \times 10^{-4}\ T$	1130-1340		10	a
70.0-30.0	$d = 4.335 - 6.943 \times 10^{-4}\ T$	1110-1340		10	a
80.0-20.0	$d = 4.101 - 8.282 \times 10^{-4}\ T$	1110-1340		10	a
90.0-10.0	$d = 3.233 - 5.764 \times 10^{-4}\ T$	1210-1340		10	a
100.0-0.0	$d = 2.682 - 6.151 \times 10^{-4}\ T$	1280-1340	(559)	10	a
	$NaF-ThF_4$				
50.0-50.0	$d = 5.973 - 8.154 \times 10^{-4}\ T$	1080-1350		10	a
60.0-40.0	$d = 6.042 - 0.001363\ T$	1125-1350		10	a
67.0-33.0	$d = 5.241 - 0.00104\ T$	1095-1350		10	a
80.0-20.0	$d = 4.039 - 6.512 \times 10^{-4}\ T$	1125-1350		10	a
88.0-12.0	$d = 3.881 - 8.61 \times 10^{-4}\ T$	1185-1350		10	a
100.0-0.0	$d = 2.682 - 6.151 \times 10^{-4}\ T$	1275-1350	(560)	10	a
	$NaF-UF_4$				
25.0-75.0	$d = 10.907 - 0.003982\ T$	1215-1350		10	a
45.3-54.7	$d = 7.485 - 0.001903\ T$	1080-1350		10	a
54.0-46.0	$d = 6.256 - 0.001174\ T$	1080-1350		10	a
65.0-35.0	$d = 5.815 - 0.00135\ T$	1080-1350		10	a
78.0-22.0	$d = 4.753 - 9.388 \times 10^{-4}\ T$	1080-1350		10	a
85.0-15.0	$d = 5.52 - 0.001964\ T$	1155-1350		10	a
100.0-0.0	$d = 2.682 - 6.151 \times 10^{-4}\ T$	1275-1350	(561)	10	a
	$NaF-YF_3$				
50.0-50.0	$d = 4.487 - 9.957 \times 10^{-4}\ T$	1230-1350		10	a
68.0-32.0	$d = 3.779 - 8.11 \times 10^{-4}\ T$	1035-1350		10	a
71.0-29.0	$d = 3.445 - 6.178 \times 10^{-4}\ T$	1005-1350		10	a
80.0-20.0	$d = 3.321 - 7.071 \times 10^{-4}\ T$	1110-1350		10	a
90.0-10.0	$d = 3.239 - 7.947 \times 10^{-4}\ T$	1215-1350		10	a
100.0-0.0	$d = 2.682 - 6.151 \times 10^{-4}\ T$	1275-1350	(562)	10	a
	$NaF-ZrF_4$				
0-25 ZrF_4	$d = 1.91 + 0.02307\ C + 0.001019\ C^2 - 8.043 \times 10^{-5}\ C^3 + 1.364 \times 10^{-6}\ C^4$	1323	(563)	10	a,n
For additional NaF systems, see : AlF_3- ; BaF_2- ; BeF_2- ; B_2O_3- ; CaF_2- ; CeF_3- ; KF- ; LaF_3- ; LiF- ; $NaBF_4$- ; NaCl-					
	$NaHSO_4$				
100	$d = 2.6587 - 9.259 \times 10^{-4}\ T$	473-512	±1.5%	30	k
	NaI				
100	$d = 3.6274 - 9.491 \times 10^{-4}\ T$	945-1185	±1%	1	a
	$NaI-NdI_3$				
0.00-100.00	$d = 5.4069 - 0.0010701\ T$	1120-1190	(564)	4	a
22.62-77.38	$d = 5.0558 - 9.701 \times 10^{-4}\ T$	1060-1160		4	a
42.39-57.61	$d = 4.9113 - 0.0010503\ T$	1040-1180		4	a
62.20-37.80	$d = 4.5668 - 9.952 \times 10^{-4}\ T$	1040-1170		4	a
72.32-27.68	$d = 4.3886 - 9.911 \times 10^{-4}\ T$	1060-1180		4	a
80.41-19.59	$d = 4.1388 - 9.397 \times 10^{-4}\ T$	1060-1180		4	a
100.00-0.00	$d = 3.5743 - 8.951 \times 10^{-4}\ T$	1030-1180	(565)	4	a

Table 2.1.a Density data (continued)

(mol %)	Density ($g\ cm^{-3}$) Equation	T range(K)	Accur.	Ref.	Comment
	NaI-RbI				
0-100	$d = 3.9667 - 0.0011613\ T$	950-1120	(566)	4	a
50-50	$d = 3.7984 - 0.0010695\ T$	970-1130		4	a
100-0	$d = 3.6144 - 9.392 \times 10^{-4}\ T$	960-1120	(567)	4	a
For additional NaI systems, see : CdI_2- ; KCl- ; KI- ; LiI- ; NaBr- ; NaCl-NaF- ; NaCl-					
	$NaNO_2$				
100	$d = 2.226 - 7.46 \times 10^{-4}\ T$	553-723	±3%	1	a
	$NaNO_2$-$NaNO_3$				
0-100	$d = 2.26498 - 6.2576 \times 10^{-4}\ T$	595-760	(568)	7	a,e
10-90	$d = 2.253 - 6.2576 \times 10^{-4}\ T$	580-760		7	a,e
20-80	$d = 2.2411 - 6.2576 \times 10^{-4}\ T$	565-760		7	a,e
30-70	$d = 2.2291 - 6.2576 \times 10^{-4}\ T$	535-760		7	a,e
40-60	$d = 2.2172 - 6.2576 \times 10^{-4}\ T$	505-760		7	a,e
50-50	$d = 2.2053 - 6.2576 \times 10^{-4}\ T$	505-760		7	a,e
60-40	$d = 2.1933 - 6.2576 \times 10^{-4}\ T$	520-760		7	a,e
67.5-32.5	$d = 2.1844 - 6.2576 \times 10^{-4}\ T$	565-760		7	a,e
70-30	$d = 2.1814 - 6.2576 \times 10^{-4}\ T$	565-760		7	a,e
80-20	$d = 2.1694 - 6.2576 \times 10^{-4}\ T$	580-760		7	a,e
90-10	$d = 2.1575 - 6.2576 \times 10^{-4}\ T$	580-760		7	a,e
100-0	$d = 2.1619 - 6.4965 \times 10^{-4}\ T$	580-760	(569)	7	a,e
	$NaNO_2$-Na_2MoO_4				
0-100	$d = 3.439 - 6.17 \times 10^{-4}\ T$	980-1120	(570)	3	a
10-90	$d = 3.23 - 4.8 \times 10^{-4}\ T$	920-1120		3	a
20-80	$d = 3.153 - 4.84 \times 10^{-4}\ T$	920-1120		3	a
30-70	$d = 3.041 - 4.57 \times 10^{-4}\ T$	880-1120		3	a
40-60	$d = 2.952 - 4.6 \times 10^{-4}\ T$	880-1120		3	a
50-50	$d = 2.87 - 4.76 \times 10^{-4}\ T$	820-1120		3	a
60-40	$d = 2.767 - 4.87 \times 10^{-4}\ T$	820-1040		3	a
70-30	$d = 2.658 - 5.06 \times 10^{-4}\ T$	780-1040		3	a
75-25	$d = 2.601 - 5.3 \times 10^{-4}\ T$	780-1000		3	a
80-20	$d = 2.517 - 5.32 \times 10^{-4}\ T$	760-960		3	a
84-16	$d = 2.446 - 5.33 \times 10^{-4}\ T$	720-920		3	a
88-12	$d = 2.383 - 5.47 \times 10^{-4}\ T$	680-880		3	a
92-8	$d = 2.301 - 5.31 \times 10^{-4}\ T$	680-870		3	a
96.5-3.5	$d = 2.187 - 5.03 \times 10^{-4}\ T$	680-840		3	a
100-0	$d = 2.022 - 3.93 \times 10^{-4}\ T$	680-820	(571)	3	a
	$NaNO_2$-Na_2WO_4				
0-100	$d = 4.487 - 5.33 \times 10^{-4}\ T$	970-1110	(572)	3	a
10-90	$d = 4.242 - 3.71 \times 10^{-4}\ T$	930-1110		3	a
20-80	$d = 4.147 - 4.17 \times 10^{-4}\ T$	910-1110		3	a
30-70	$d = 3.999 - 4.63 \times 10^{-4}\ T$	870-1110		3	a
40-60	$d = 3.858 - 5.1 \times 10^{-4}\ T$	870-1110		3	a
50-50	$d = 3.57 - 4.52 \times 10^{-4}\ T$	830-1110		3	a
60-40	$d = 3.327 - 4.4 \times 10^{-4}\ T$	830-1070		3	a
70-30	$d = 3.167 - 5.65 \times 10^{-4}\ T$	770-990		3	a
75-25	$d = 3.062 - 6.12 \times 10^{-4}\ T$	790-970		3	a
80-20	$d = 2.911 - 6.07 \times 10^{-4}\ T$	750-910		3	a
84-16	$d = 2.895 - 7.4 \times 10^{-4}\ T$	750-890		3	a
88-12	$d = 2.69 - 6.74 \times 10^{-4}\ T$	710-870		3	a
92-8	$d = 2.48 - 7.27 \times 10^{-4}\ T$	670-850		3	a
98-2	$d = 2.218 - 5.48 \times 10^{-4}\ T$	620-840		3	a
100-0	$d = 2.038 - 4.24 \times 10^{-4}\ T$	620-830	(573)	3	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
For additional $NaNO_2$ systems, see : KNO_2- ; KNO_3-					
	$NaNO_3$				
100	$d = 2.32 - 7.15 \times 10^{-4}\ T$	583-643	±0.5%	1	a,c
	$NaNO_3$-NaOH				
0-100	$d = 2.159 - 6.04 \times 10^{-4}\ T$	598-823	(574)	3	a
10-90	$d = 2.187 - 6.73 \times 10^{-4}\ T$	573-753		3	a
18-82	$d = 2.115 - 5.89 \times 10^{-4}\ T$	553-753		3	a
25-75	$d = 1.972 - 4.18 \times 10^{-4}\ T$	553-753		3	a
34-66	$d = 2.028 - 4.87 \times 10^{-4}\ T$	553-753		3	a
37-63	$d = 2.176 - 6.88 \times 10^{-4}\ T$	553-753		3	a
45-55	$d = 2.111 - 5.62 \times 10^{-4}\ T$	553-753		3	a
50-50	$d = 2.2 - 6.74 \times 10^{-4}\ T$	553-753		3	a
60-40	$d = 2.183 - 6.05 \times 10^{-4}\ T$	553-753		3	a
72-28	$d = 2.182 - 6. \times 10^{-4}\ T$	553-753		3	a
90-10	$d = 2.268 - 6.69 \times 10^{-4}\ T$	573-753		3	a
100-0	$d = 2.116 - 7.29 \times 10^{-4}\ T$	583-753	(575)	3	a
	$NaNO_3$-Na_2MoO_4				
0-100	$d = 3.439 - 6.17 \times 10^{-4}\ T$	970-1090	(576)	3	a,e
10-90	$d = 3.413 - 6.32 \times 10^{-4}\ T$	930-1090		3	a
20-80	$d = 3.229 - 5.19 \times 10^{-4}\ T$	890-1090		3	a
30-70	$d = 3.1368 - 5.108 \times 10^{-4}\ T$	850-1090		3	a,e
40-60	$d = 3.0756 - 3.434 \times 10^{-4}\ T$	850-1090		3	a,e
50-50	$d = 2.9327 - 5.004 \times 10^{-4}\ T$	830-1090		3	a,e
60-40	$d = 2.7933 - 4.739 \times 10^{-4}\ T$	810-1050		3	a,e
70-30	$d = 2.75 - 5.66 \times 10^{-4}\ T$	770-1050		3	a
75-25	$d = 2.6484 - 5.347 \times 10^{-4}\ T$	770-970		3	a,e
80-20	$d = 2.5634 - 5.389 \times 10^{-4}\ T$	730-930		3	a,e
85-15	$d = 2.526 - 5.79 \times 10^{-4}\ T$	710-910		3	a
90-10	$d = 2.437 - 5.68 \times 10^{-4}\ T$	670-890		3	a
96-4	$d = 2.384 - 6.39 \times 10^{-4}\ T$	630-850		3	a
100-0	$d = 2.2663 - 6.059 \times 10^{-4}\ T$	630-810	(577)	3	a,e
	$NaNO_3$-Na_2WO_4				
0-100	$d = 4.6515 - 6.86 \times 10^{-4}\ T$	970-1110	(578)	3	a
10-90	$d = 4.729 - 8.14 \times 10^{-4}\ T$	930-1110		3	a
20-80	$d = 4.534 - 7.34 \times 10^{-4}\ T$	950-1110		3	a
30-70	$d = 4.296 - 7.05 \times 10^{-4}\ T$	870-1110		3	a
40-60	$d = 4.04 - 6.567 \times 10^{-4}\ T$	870-1110		3	a,e
50-50	$d = 3.7878 - 6.393 \times 10^{-4}\ T$	830-1110		3	a,e
60-40	$d = 3.532 - 6.42 \times 10^{-4}\ T$	830-1070		3	a
70-30	$d = 2.264 - 6.587 \times 10^{-4}\ T$	830-1070		3	a,e
75-25	$d = 3.062 - 6.08 \times 10^{-4}\ T$	810-1050		3	a
80-20	$d = 2.9486 - 6.607 \times 10^{-4}\ T$	790-950		3	a,e
85-15	$d = 2.7695 - 6.382 \times 10^{-4}\ T$	770-970		3	a,e
90-10	$d = 2.5773 - 6.16 \times 10^{-4}\ T$	750-930		3	a,e
95-5	$d = 2.4232 - 6.045 \times 10^{-4}\ T$	710-890		3	a,e
98-2	$d = 2.357 - 6.28 \times 10^{-4}\ T$	630-850		3	a
100-0	$d = 2.3359 - 6.931 \times 10^{-4}\ T$	630-830	(579)	3	a
	$NaNO_3$-$Pb(NO_3)_2$				
75-25	$d = 3.2826 - 9.2603 \times 10^{-4}\ T$	600-640		7	a,e
80-20	$d = 3.1228 - 8.9431 \times 10^{-4}\ T$	580-650		7	a,e
84.2-15.8	$d = 2.9743 - 8.5864 \times 10^{-4}\ T$	570-650		7	a,e
85-15	$d = 2.9444 - 8.5091 \times 10^{-4}\ T$	560-660		7	a,e
90-10	$d = 2.7466 - 7.9583 \times 10^{-4}\ T$	570-670		7	a,e
95-5	$d = 2.5284 - 7.2906 \times 10^{-4}\ T$	580-690		7	a,e
100-0	$d = 2.2887 - 6.5061 \times 10^{-4}\ T$	600-730	(580)	7	a,e

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	$NaNO_3$-$RbNO_3$				
0-100	d = 3.118 - 0.0010508 T	595-730	(581)	7	a,e
20-80	d = 2.975 - 9.738 x 10^{-4} T	490-730		7	a,e
40-60	d = 2.849 - 9.412 x 10^{-4} T	505-745		7	a,e
41-59	d = 2.842 - 9.379 x 10^{-4} T	505-745		7	a,e
60-40	d = 2.701 - 8.889 x 10^{-4} T	505-745		7	a,e
80-20	d = 2.494 - 7.67 x 10^{-4} T	580-745		7	a,e
100-0	d = 2.309 - 6.949 x 10^{-4} T	610-745	(582)	7	a,e
	$NaNO_3$-$TlNO_3$				
0-100	d = 5.696 - 0.001665 T	490-620	(583)	7	a,e
10-90	d = 5.44 - 0.00161 T	470-620		7	a,e
20-80	d = 5.214 - 0.00164 T	443-613		7	a,e
23-77	d = 5.136 - 0.0016309 T	460-610		7	a,e
30-70	d = 4.928 - 0.00157 T	480-610		7	a,e
40-60	d = 4.607 - 0.0014699 T	493-623		7	a,e
50-50	d = 4.305 - 0.00142 T	520-620		7	a,e
60-40	d = 3.913 - 0.0012256 T	523-627		7	a,e
70-30	d = 3.637 - 0.00127 T	550-620		7	a,e
80-20	d = 3.174 - 0.0010004 T	553-633		7	a,e
90-10	d = 2.773 - 8.82 x 10^{-4} T	580-650		7	a,e
100-0	d = 2.395 - 8.11 x 10^{-4} T	590-650	(584)	7	a,e
For additional $NaNO_3$ systems, see : $AgNO_3$- ; $Ba(NO_3)_2$- ; $Ca(NO_3)_2$-KNO_3- ; $Ca(NO_3)_2$- ; $CsNO_3$- ; $KClO_4$- ; KNO_2- ; KNO_3- ; $K_2Cr_2O_7$- ; $LiClO_4$- ; $LiNO_3$- ; NaCl- ; $NaClO_3$- ; $NaClO_4$- ; $NaNO_2$-					
	NaOH				
100	d = 2.068 - 4.784 x 10^{-4} T	623-723	±1%	1	a
	NaOH-Na_2CO_3				
90.6-9.4	d = 2.1648 - 5.061 x 10^{-4} T	600-720		3	a
91.4-8.6	d = 2.1607 - 5.1 x 10^{-4} T	600-720		3	a
92.8-7.2	d = 2.1411 - 4.928 x 10^{-4} T	600-720		3	a
93.8-6.2	d = 2.1357 - 5.001 x 10^{-4} T	600-720		3	a
96.0-4.0	d = 2.1112 - 4.901 x 10^{-4} T	600-720		3	a
96.4-3.6	d = 2.1037 - 4.837 x 10^{-4} T	600-720		3	a
97.9-2.1	d = 2.1026 - 5. x 10^{-4} T	600-720		3	a
98.1-1.9	d = 2.1073 - 5.1 x 10^{-4} T	600-720		3	a
100-0	d = 2.0782 - 4.929 x 10^{-4} T	600-720	(585)	3	a
	NaOH-Na_2CO_3-Na_2SiO_3				
94.6-1.8-3.6	d = 2.1983 - 5.6 x 10^{-4} T	780-870		3	a
96.5-1.7-1.8	d = 2.1605 - 5.501 x 10^{-4} T	780-870		3	a
For additional NaOH systems, see : CaO- ; NaCl- ; $NaNO_3$-					
	$NaPO_3$				
100	d = 2.6903 - 4.59 x 10^{-4} T	930-1100	±2%	6	a
	$NaPO_3$-Na_2SO_4				
75-25	d = 2.662 - 4.55 x 10^{-4} T	950-1070		3	a
87.5-12.5	d = 2.674 - 4.57 x 10^{-4} T	890-1070		3	a
92-8	d = 2.696 - 4.73 x 10^{-4} T	830-1070		3	a
96-4	d = 2.716 - 4.9 x 10^{-4} T	800-1070		3	a
98-2	d = 2.705 - 4.77 x 10^{-4} T	860-1070		3	a
99-1	d = 2.693 - 4.65 x 10^{-4} T	890-1130		3	a
100-0	d = 2.6903 - 4.59 x 10^{-4} T	930-1100	(586)	3	a
	$NaPO_3$-Na_3PO_4				
75-25	d = 2.5901 - 2.999 x 10^{-4} T	980-1120		3	a,e
80-20	d = 2.6066 - 3.44 x 10^{-4} T	980-1120		3	a,e
85-15	d = 2.6063 - 3.54 x 10^{-4} T	980-1120		3	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
90-10	$d = 2.5826 - 3.44 \times 10^{-4}$ T	980-1120		3	a,e
92.5-7.5	$d = 2.5771 - 3.321 \times 10^{-4}$ T	980-1120		3	a,e
95-5	$d = 2.5733 - 3.22 \times 10^{-4}$ T	980-1120		3	a,e
97.5-2.5	$d = 2.5785 - 3.401 \times 10^{-4}$ T	980-1120		3	a
100-0	$d = 2.5806 - 3.641 \times 10^{-4}$ T	980-1120	(587)	3	a
	$NaPO_3$-$Na_4P_2O_7$				
70-30	$d = 2.6365 - 3.48 \times 10^{-4}$ T	1000-1120		3	a
75-25	$d = 2.6349 - 3.683 \times 10^{-4}$ T	1000-1120		3	a,e
80-20	$d = 2.6324 - 3.723 \times 10^{-4}$ T	1000-1120		3	a,e
85-15	$d = 2.6075 - 3.48 \times 10^{-4}$ T	1000-1120		3	a,e
90-10	$d = 2.6293 - 3.633 \times 10^{-4}$ T	1000-1120		3	a,e
95-5	$d = 2.6656 - 3.69 \times 10^{-4}$ T	1000-1120		3	a
100-0	$d = 2.5806 - 3.641 \times 10^{-4}$ T	1000-1120	(588)	3	a
	$NaPO_3$-NiO				
100-88.9 $NaPO_3$	$d = 90.549 - 1.8507\ C + 0.009693\ C^2$	1123	(589)	3	a
	$NaPO_3$-PbO				
99.54-95.17 $NaPO_3$	$d = 10.2 - 0.08011\ C$	1123		3	a
	$NaPO_3$-Rb_2SO_4				
75-25	$d = 2.973 - 5.3 \times 10^{-4}$ T	780-1050		3	a
87.5-12.5	$d = 2.84 - 4.86 \times 10^{-4}$ T	780-1050		3	a
100-0	$d = 2.6903 - 4.59 \times 10^{-4}$ T	930-1100	(590)	3	a
	$NaPO_3$-UO_2SO_4				
87.5-12.5	$d = 3.234 - 5.34 \times 10^{-4}$ T	860-1010		3	a
90-10	$d = 3.105 - 5.05 \times 10^{-4}$ T	860-950		3	a
93-7	$d = 2.997 - 5.02 \times 10^{-4}$ T	830-1010		3	a
97-3	$d = 2.832 - 4.95 \times 10^{-4}$ T	800-1010		3	a
98-2	$d = 2.745 - 4.49 \times 10^{-4}$ T	830-1010		3	a
99-1	$d = 2.705 - 4.47 \times 10^{-4}$ T	850-1020		3	a
100-0	$d = 2.6906 - 4.592 \times 10^{-4}$ T	930-1100	(591)	3	a
	$NaPO_3$-WO_3				
45-55	$d = 5.4645 - 0.0011451$ T	1180-1270		3	a,e
49-51	$d = 5.237 - 0.001125$ T	1180-1270		3	a
54-46	$d = 5.1284 - 0.0011863$ T	1180-1270		3	a,e
58-42	$d = 4.8118 - 0.0010201$ T	1180-1270		3	a
63-37	$d = 4.487 - 9.151 \times 10^{-4}$ T	1120-1270		3	a
68-32	$d = 4.1682 - 8.256 \times 10^{-4}$ T	1120-1270		3	a
73-27	$d = 3.8531 - 7.121 \times 10^{-4}$ T	1090-1270		3	a
77-23	$d = 3.6436 - 6.881 \times 10^{-4}$ T	1090-1270		3	a,e
82-18	$d = 3.3218 - 5.416 \times 10^{-4}$ T	970-1270		3	a,e
87-13	$d = 3.1639 - 5.083 \times 10^{-4}$ T	970-1270		3	a,e
91-9	$d = 2.9523 - 4.771 \times 10^{-4}$ T	970-1270		3	a
94-6	$d = 2.8187 - 4.607 \times 10^{-4}$ T	970-1270		3	a,e
100-0	$d = 2.6237 - 4.155 \times 10^{-4}$ T	970-1270	(592)	3	a
	$NaPO_3$-ZnO				
65.2-34.8	$d = 3.1487 - 3.439 \times 10^{-4}$ T	1260-1350		3	a
73.8-26.2	$d = 2.9778 - 3.449 \times 10^{-4}$ T	1140-1350		3	a
87.2-12.8	$d = 2.7616 - 3.643 \times 10^{-4}$ T	1080-1350		3	a
	$NaPO_3$-$Zn(PO_3)_2$				
0-100	$d = 2.8817 - 7.6 \times 10^{-5}$ T	1200-1400	(593)	6	a
18.9-81.1	$d = 2.9131 - 1.62 \times 10^{-4}$ T	1100-1360		6	a
37.5-62.5	$d = 2.9024 - 1.88 \times 10^{-4}$ T	1100-1380		6	a

Table 2.1.a Density data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
38.2-41.8	$d = 2.8575 - 2.96 \times 10^{-4}$ T	1080-1360		6	a
42.5-57.5	$d = 2.897 - 2.45 \times 10^{-4}$ T	1080-1360		6	a
78.7-21.3	$d = 2.7648 - 3.48 \times 10^{-4}$ T	1080-1340		6	a
100-0	$d = 2.6124 - 3.82 \times 10^{-4}$ T	1138-1307	(594)	6	a
For additional $NaPO_3$ systems, see : Bi_2O_3- ; Li_2SO_4- ; $NaBO_2$-					
	NaSCN				
100	$d = 2.3464 - 0.0010014$ T	573-620	±0.5%	23	k
100	$d = 1.7103 - 3.817 \times 10^{-4}$ T	603-661	±1.5%	23	k
For additional NaSCN systems, see : KSCN-					
	$NaVO_3$				
100	$d = 2.864 - 4.4 \times 10^{-4}$ T	980-1260	±2%	6	a
	$NaVO_3$-V_2O_5				
0-100	$d = 2.856 - 4.5 \times 10^{-4}$ T	980-1140	(595)	3	a
20-80	$d = 2.65 - 2.4 \times 10^{-4}$ T	1040-1160		3	a
40-60	$d = 2.896 - 4.48 \times 10^{-4}$ T	980-1160		3	a
60-40	$d = 2.822 - 4.06 \times 10^{-4}$ T	920-1160		3	a
80-20	$d = 2.81 - 4.14 \times 10^{-4}$ T	920-1160		3	a
100-0	$d = 2.766 - 3.32 \times 10^{-4}$ T	920-1160	(596)	3	a
	$Na_2B_4O_7$				
100	$d = 2.5492 - 4. \times 10^{-4}$ T	1120-1220	±2%	6	a,e
	$Na_2B_4O_7$-NiO				
100-81.0 $Na_2B_4O_7$	$d = 2.277 - 0.001829$ C	1123	(597)	3	a
	$Na_2B_4O_7$-PbO				
100-86.3 $Na_2B_4O_7$	$d = 4.1 - 0.022006$ C	1123	(598)	3	a
	$Na_2B_4O_7$-WO_3				
56.3-43.7	$d = 3.3938 - 5.44 \times 10^{-4}$ T	1070-1270		3	a,e
61.8-38.2	$d = 3.2038 - 4.695 \times 10^{-4}$ T	1070-1270		3	a,e
66.7-33.3	$d = 3.822 - 0.001063$ T	1070-1270		3	a,e
71-29	$d = 3.1117 - 5.67 \times 10^{-4}$ T	1070-1270		3	a,e
75-25	$d = 2.9627 - 4.975 \times 10^{-4}$ T	1070-1270		3	a,e
78.5-21.5	$d = 2.85 - 3.91 \times 10^{-4}$ T	1070-1270		3	a,e
81.8-18.2	$d = 2.798 - 4.525 \times 10^{-4}$ T	1070-1270		3	a,e
84.8-15.2	$d = 2.7764 - 4.765 \times 10^{-4}$ T	1070-1270		3	a,e
87.5-12.5	$d = 2.7108 - 4.575 \times 10^{-4}$ T	1070-1270		3	a,e
90-10	$d = 2.6768 - 4.56 \times 10^{-4}$ T	1070-1270		3	a,e
92.3-7.7	$d = 2.6542 - 4.64 \times 10^{-4}$ T	1070-1270		3	a,e
94.4-5.6	$d = 2.5652 - 4.11 \times 10^{-4}$ T	1070-1270		3	a,e
96.4-3.6	$d = 2.5289 - 3.97 \times 10^{-4}$ T	1070-1270		3	a,e
98.3-1.7	$d = 2.5152 - 3.955 \times 10^{-4}$ T	1070-1270		3	a,e
100-0	$d = 2.513 - 4.04 \times 10^{-4}$ T	1070-1270	(599)	3	a,e
	$Na_2B_4O_7$-ZrF_4				
93-72 $Na_2B_4O_7$	$d = 5.191 - 0.07118\ C + 4.05 \times 10^{-4}\ C^2$	1223		3	a
For additional $Na_2B_4O_7$ systems, see : Bi_2O_3- ; B_2O_3- ; CaF_2- ; KCl- ; KF- ; LiCl- ; NaF-					
	Na_2CO_3				
100	$d = 2.4797 - 4.487 \times 10^{-4}$ T	1138-1277	±1%	1	a
For additional Na_2CO_3 systems, see : CaO-NaOH- ; KCl- ; K_2CO_3-Li_2CO_3- ; K_2CO_3- ; Li_2CO_3- ; NaCl-NaOH- ; NaCl- ; NaOH-					
	Na_2CrO_4				
100	$d = 3.236 - 8.755 \times 10^{-4}$ T	1033-1113	±2%	3	a,e
For additional Na_2CrO_4 systems, see : NaBr-					
	$Na_2Cr_2O_7$				
100	(T=693 K, d=2.38)		±1.5%	6	a

Table 2.1.a Density data (continued)

(mol %)	Equation Density (g cm^{-3})	T range(K)	Accur.	Ref.	Comment
For additional $Na_2Cr_2O_7$ systems, see : KNO_3-					
	Na_2MoO_4				
100	$d = 3.407 - 6.29 \times 10^{-4}$ T	1020-1230	±2%	1	a,c
For additional Na_2MoO_4 systems, see : Li_2MoO_4- ; MoO_3- ; $NaNO_2$- ; $NaNO_3$-					
	Na_2O-$Zn(PO_3)_2$				
4.6-95.4	$d = 2.933 - 1.247 \times 10^{-4}$ T	1180-1360		3	a
13.9-86.1	$d = 3.0024 - 1.902 \times 10^{-4}$ T	1120-1360		3	a
36.8-63.2	$d = 3.1084 - 3.104 \times 10^{-4}$ T	1120-1300		3	a
58.8-41.2	$d = 3.11 - 3.576 \times 10^{-4}$ T	1240-1360		3	a
For additional Na_2O systems, see : NaCl-					
	Na_2SiO_3				
For Na_2SiO_3 systems, see : NaOH-Na_2CO_3-					
	Na_2SO_4				
100	$d = 2.628 - 4.83 \times 10^{-4}$ T	1173-1350	±0.5%	1	a
	Na_2SO_4-$ZnSO_4$				
0-100	$d = 3.591 - 4.7 \times 10^{-4}$ T	873-1273	(600)	33	k
50-50	$d = 3.0802 - 5.121 \times 10^{-4}$ T	820-910		6	a,e
For additional Na_2SO_4 systems, see : $CaSO_4$- ; K_2SO_4- ; Li_2SO_4- ; $NaPO_3$-					
	$Na_2S_{3.0}$				
100	$d = 2.227 - 5.658 \times 10^{-4}$ T	590-683	±1.5%	6	a
	$Na_2S_{3.3}$				
100	$d = 2.3802 - 7.989 \times 10^{-4}$ T	576-689	±1.5%	6	a
	$Na_2S_{3.7}$				
100	$d = 2.2538 - 5.459 \times 10^{-4}$ T	563-669	±1.5%	6	a
	Na_2S_4				
100	$d = 2.7631 - 0.00149$ T	625-720	±3%	6	a
	$Na_2S_{4.4}$				
100	$d = 2.2687 - 6.664 \times 10^{-4}$ T	571-680	±1.5%	6	a
	$Na_2S_{4.8}$				
100	$d = 2.3056 - 7.156 \times 10^{-4}$ T	573-683	±1.5%	6	a
	Na_2S_5				
100	$d = 2.289 - 8.4995 \times 10^{-4}$ T	625-720	±38%	6	a
	Na_2TiF_6				
100	$d = 3.0062 - 7. \times 10^{-4}$ T	1030-1110	±2%	3	a
	Na_2TiF_6-TiO_2				
63.5-36.5	$d = 3.2057 - 7.785 \times 10^{-4}$ T	1100-1200		3	a
For additional Na_2TiF_6 systems, see : NaCl-					
	Na_2WO_4				
100	$d = 4.629 - 7.97 \times 10^{-4}$ T	1025-1774	±4%	1	a
	Na_2WO_4-WO_3				
40-60	$d = 6.3526 - 0.0014243$ T	1070-1190		3	a,e
44.98-55.02	$d = 6.0475 - 0.0012294$ T	1070-1190		3	a,e
49.99-50.01	$d = 6.308 - 0.0015571$ T	1040-1160		3	a,e
59.60-40.40	$d = 4.4079 + 3.07 \times 10^{-5}$ T	1010-1140		3	a,e
69.41-30.59	$d = 5.5676 - 0.0012264$ T	980-1130		3	a,e
79.46-20.54	$d = 5.3025 - 0.0011166$ T	930-1140		3	a,e
89.67-10.33	$d = 3.9198 + 5.08 \times 10^{-5}$ T	980-1130		3	a,e
100-0	$d = 4.7676 + 9.069 \times 10^{-4}$ T	990-1140	(601)	3	a,e
For additional Na_2WO_4 systems, see : Li_2WO_4- ; $NaNO_2$- ; $NaNO_3$-					

Table 2.1.a Density data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Density (g cm^{-3})				
	Na_2ZrF_6				
100	d = 2.645 - 5.6 x 10^{-4} T	1070-1270	±1.5%	3	a
For additional Na_2ZrF_6 systems, see : NaCl- ; NaF-					
	Na_3AlF_6				
100	d = 3.2892 - 9.3797 x 10^{-4} T	1273-1353	±1%	10	d,i
	Na_3AlF_6-Rb_3AlF_6				
0-100	d = 4.1844 - 0.00136 T	1273-1323	(602)	6	a
10-90	d = 3.9682 - 0.00122 T	1223-1323		6	a
20-80	d = 3.8835 - 0.00118 T	1220-1330		6	a,e
30-70	d = 3.8063 - 0.001141 T	1170-1330		6	a
40-60	d = 3.9234 - 0.001251 T	1170-1330		6	a
50-50	d = 3.8558 - 0.001235 T	1170-1330		6	a
60-40	d = 3.6738 - 0.001121 T	1170-1330		6	a
70-30	d = 3.4642 - 9.899 x 10^{-4} T	1170-1330		6	a
80-20	d = 3.36 - 9.441 x 10^{-4} T	1173-1323		6	a
90-10	d = 3.3125 - 9.399 x 10^{-4} T	1173-1323		6	a
100-0	d = 3.047 - 7.8 x 10^{-4} T	1273-1323	(603)	6	a
	Na_3AlF_6-SiO_2				
100-80 Na_3AlF_6	d = 2.0802 + 2.16 x 10^{-4} C	1273	(604)	3	a
For additional Na_3AlF_6 systems, see : AlF_3- ; Al_2O_3-KF- ; Al_2O_3- ; $BaCl_2$- ; BaF_2- ; BeF_2- ; CaF_2- ; Cs_3AlF_6- ; KF- ; K_3AlF_6- ; LiF- ; Li_3AlF_6- ; MgF_2- ; NaCl- ; NaF-					
	Na_3PO_4				
For Na_3PO_4 systems, see : $NaPO_3$-					
	$Na_4P_2O_7$				
100	d = 2.5876 - 3.201 x 10^{-4} T	1270-1370	±1.5%	3	a
	$Na_4P_2O_7$-WO_3				
34-66	d = 4.4826 - 9.071 x 10^{-4} T	1080-1260		3	a,e
40-60	d = 4.2003 - 8.048 x 10^{-4} T	1030-1260		3	a,e
45-55	d = 3.8695 - 6.418 x 10^{-4} T	1030-1260		3	a
50-50	d = 3.7461 - 6.763 x 10^{-4} T	1080-1370		3	a,e
55-45	d = 4.5416 - 0.0013279 T	1080-1370		3	a,e
60-40	d = 3.7814 - 7.641 x 10^{-4} T	1130-1370		3	a
65-35	d = 3.651 - 7.153 x 10^{-4} T	1170-1370		3	a,e
70-30	d = 3.306 - 5.505 x 10^{-4} T	1170-1370		3	a,e
73.5-26.5	d = 3.1965 - 5.218 x 10^{-4} T	1230-1370		3	a,e
78-22	d = 3.1333 - 5.341 x 10^{-4} T	1230-1370		3	a
82-18	d = 2.9631 - 4.67 x 10^{-4} T	1290-1370		3	a
86-14	d = 3.9347 - 0.0012302 T	1290-1370		3	a
89.5-10.5	d = 2.7378 - 3.741 x 10^{-4} T	1290-1370		3	a
92.5-7.5	d = 2.7069 - 3.791 x 10^{-4} T	1290-1370		3	a
96.5-3.5	d = 2.5378 - 2.852 x 10^{-4} T	1290-1370		3	a
100-0	d = 2.5477 - 3.102 x 10^{-4} T	1290-1370	(605)	3	a
For additional $Na_4P_2O_7$ systems, see : NaCl- ; $NaPO_3$-					
	$NbCl_5$				
100	d = 3.589 - 0.003088 T	485-800	±3%	5	a,e,p
	$NbCl_5$-$TaCl_5$				
0-100	d = 4.691 - 0.004101 T	489-577	(606)	38	k
29.52-70.48	d = 4.386 - 0.003858 T	496-563		38	k
58.16-41.84	d = 3.981 - 0.003414 T	501-559		38	k
80.27-19.73	d = 3.62 - 0.002981 T	496-571		38	k
100-0	d = 3.359 - 0.002705 T	478-598	(607)	38	k
	$N(C_3H_7)_4B(C_6H_5)_4$				
100	d = 1.2078 - 5.652 x 10^{-4} T	482-512	±0.5%	1	a,e

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
	$N(C_3H_7)_4BF_4$				
100	d = 1.2467 - 6.415 x 10^{-4} T	525-547	±0.5%	1	a
	$N(C_3H_7)_4PF_6$				
100	d = 1.2433 - 3.224 x 10^{-4} T	513-545	±0.5%	1	a
	$N(C_3H_7)_4SCN$				
100	d = 1.079 - 5.397 x 10^{-4} T	325-370	±0.5%	6	a
For additional $N(C_3H_7)_4SCN$ systems, see : CuSCN-					
	$N(C_4H_9)_4B(C_6H_5)_4$				
100	d = 1.1435 - 4.945 x 10^{-4} T	514-540	±0.5%	1	a
	$N(C_4H_9)_4BF_4$				
100	d = 1.1906 - 5.812 x 10^{-4} T	436-539	±0.5%	1	a
	$N(C_4H_9)_4Br$				
100	d = 1.287 - 7.039 x 10^{-4} T	392-408	±0.5%	1	a
	$N(C_4H_9)_4I$				
100	d = 1.446 - 8.388 x 10^{-4} T	420-435	±0.5%	1	a
	$N(C_4H_9)_4PF_6$				
100	d = 1.3252 - 6.557 x 10^{-4} T	529-548	±0.5%	1	a
	$N(C_5H_{11})_4SCN$				
100	d = 1.0744 - 5.3662 x 10^{-4} T	325-383	±0.5%	1	a
	$N(C_6H_{13})_4BF_4$				
100	d = 1.1296 - 5.772 x 10^{-4} T	375-491	±0.5%	1	a
	$NdBr_3$				
100	d = 4.975 - 7.779 x 10^{-4} T	968-1133	±1.5%	1	a
	$NdCl_3$				
100	d = 4.2642 - 9.3014 x 10^{-4} T	1090-1270	±1%	5	a
For additional $NdCl_3$ systems, see : $CaCl_2$- ; KCl- ; KCl*NaCl- ; NaCl-					
	NdI_3				
100	d = 5.4069 - 0.0010701 T	1110-1190	±1.5%	4	a
For additional NdI_3 systems, see : CsI- ; KI- ; NaI-					
	NH_4Br				
For NH_4Br systems, see : $AlBr_3$-					
	NH_4Cl				
For NH_4Cl systems, see : $AlCl_3$-					
	NH_4HSO_4				
100	d = 1.9352 - 5.381 x 10^{-4} T	453-509	±1.5%	30	k
	$NH_4H_2PO_4$-NH_4NO_3				
3.5-96.5	d = 1.7695 - 7.611 x 10^{-4} T	430-450		3	a
7.2-92.8	d = 1.7815 - 7.611 x 10^{-4} T	430-450		3	a
10.9-89.1	d = 1.7629 - 6.92 x 10^{-4} T	420-450		3	a
18.8-81.2	d = 1.7495 - 6.069 x 10^{-4} T	420-450		3	a
27.3-72.7	d = 1.7327 - 5.141 x 10^{-4} T	420-450		3	a
33.9-66.1	d = 1.7278 - 4.612 x 10^{-4} T	440-450		3	a
41.0-59.0	d = 1.7216 - 4.053 x 10^{-4} T	440-450		3	a
51.1-48.9	d = 1.7002 - 3.024 x 10^{-4} T	440-450		3	a
	NH_4NO_3				
100	d = 1.759 - 6.675 x 10^{-4} T	453-463	±1.5%	30	k
For additional NH_4NO_3 systems, see : KCl- ; $NH_4H_2PO_4$-					
	$NiCl_2$				
100	d = 3.4994 - 6.6044 x 10^{-4} T	1290-1330	±2%	5	a
	NiO				

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
For NiO systems, see : KPO_3- ; $K_2B_4O_7$- ; $NaPO_3$- ; $Na_2B_4O_7$-					
	Ni_3S_2				
100	$d = 5.25 - 1. \times 10^{-6}$ T	1473-1523	±2%	6	a,e
For additional Ni_3S_2 systems, see : Co_4S_3- ; Cu_2S- ; FeS-					
	$PbBr_2$				
100	d = 6.789 - 0.00165 T	778-873	±1%	1	a
	$PbBr_2$-$PbCl_2$				
0-100	d = 6.112 - 0.0015 T	790-960	(608)	2	a
19.7-80.3	d = 6.255 - 0.00152 T	770-890		2	a
50.3-49.7	d = 6.449 - 0.00155 T	740-910		2	a
84.6-15.4	d = 6.767 - 0.00171 T	690-870		2	a
100-0	d = 6.789 - 0.00165 T	780-870	(609)	2	a
For additional $PbBr_2$ systems, see : KBr- ; NaBr-					
	$PbCl_2$				
100	d = 6.112 - 0.0015 T	789-983	±0.5%	1	a
	$PbCl_2$-PbS				
0.00-100.00	$d = 7.261 - 5.4 \times 10^{-4}$ T	1393-1473	(610)	3	a,b,e
29.46-70.54	d = 6.823 - 0.00106 T	1193-1323		3	a
50.00-50.00	d = 6.335 - 0.00101 T	1073-1233		3	a
65.65-34.35	d = 6.134 - 0.00107 T	943-1113		3	a
85.03-14.97	d = 6.366 - 0.00156 T	763-923		3	a
100.00-0.00	d = 6.145 - 0.0015 T	773-923	(611)	3	a,b,e
	$PbCl_2$-RbCl				
0.0-100.0	$d = 3.0918 - 8.52 \times 10^{-4}$ T	1030-1190	(612)	5	a
14.8-85.2	$d = 3.5064 - 9.02 \times 10^{-4}$ T	1030-1110		5	a
30.3-69.7	d = 4.1049 - 0.001149 T	1030-1070		5	a
38.6-61.4	d = 4.2805 - 0.001155 T	1030-1070		5	a
58.6-41.4	d = 4.8425 - 0.00127 T	1030-1070		5	a
78.4-21.6	d = 5.451 - 0.001391 T	1030-1070		5	a
100.0-0.0	d = 6.089 - 0.001477 T	1030-1060	(613)	5	a
	$PbCl_2$-TlCl				
0-100	d = 6.802 - 0.001682 T	730-780	(614)	5	a
10-90	d = 6.691 - 0.001674 T	700-770		5	a
20-80	d = 6.585 - 0.001666 T	700-770		5	a
30-70	d = 6.487 - 0.00165 T	700-770		5	a
40-60	d = 6.414 - 0.00163 T	700-770		5	a
50-50	d = 6.333 - 0.001609 T	680-770		5	a
60-40	d = 6.278 - 0.0016 T	710-770		5	a
70-30	d = 6.226 - 0.001577 T	720-780		5	a
80-20	d = 6.193 - 0.001566 T	750-800		5	a
90-10	d = 6.153 - 0.001539 T	790-820		5	a
100-0	d = 6.143 - 0.001532 T	790-870	(615)	5	a
	$PbCl_2$-$ZnCl_2$				
0-100	$d = 2.7813 - 4.619 \times 10^{-4}$ T	760-820	(616)	5	a
49.8-50.2	$d = 4.2829 - 7.014 \times 10^{-4}$ T	785-825		5	a
100-0	d = 6.249 - 0.0016832 T	780-815	(617)	5	a
For additional $PbCl_2$ systems, see : AgCl- ; $BaCl_2$- ; $CdCl_2$- ; CsCl- ; KCl-LiCl- ; KCl-NaCl- ; KCl- ; LiCl- ; NaCl- ; $PbBr_2$-					
	PbI_2				
100	d = 6.77966 - 0.0015938 T	690-970	±1.5%	4	a
For additional PbI_2 systems, see : KI-					
	$PbMoO_4$				
100	$d = 6.14778 - 6.77 \times 10^{-4}$ T	1350-1400	±2%	6	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm⁻³) Equation	T range(K)	Accur.	Ref.	Comment
	$PbMoO_4$-PbO				
0-100	$d = 9.4831 - 0.0013384\ T$	1290-1340	(618)	3	a,e
5-95	$d = 8.0493 - 7.331 \times 10^{-4}\ T$	1280-1360		3	a,e
12-88	$d = 8.6857 - 0.0014098\ T$	1140-1240		3	a,e
40-60	$d = 7.0844 - 7.436 \times 10^{-4}\ T$	1280-1360		3	a,e
60-40	$d = 6.4802 - 5.556 \times 10^{-4}\ T$	1260-1360		3	a,e
80-20	$d = 6.1828 - 5.777 \times 10^{-4}\ T$	1340-1460		3	a,e
100-0	$d = 5.63 - 3.878 \times 10^{-4}\ T$	1390-1470	(619)	3	a,b,e
For additional $PbMoO_4$ systems, see : $Bi_2(MoO_4)_3$-					
	$Pb(NO_3)_2$				
For $Pb(NO_3)_2$ systems, see : KNO_3- ; $NaNO_3$-					
	PbO				
100	$d = 9.4831 - 0.0013384\ T$	1290-1340	±2%	3	a
For additional PbO systems, see : KPO_3- ; $K_2B_4O_7$- ; $NaPO_3$- ; $Na_2B_4O_7$- ; $PbMoO_4$-					
	PbS				
100	$d = 7.26 - 5.4 \times 10^{-4}\ T$	1393-1473	±1.5%	1	a
For additional PbS systems, see : $PbCl_2$-					
	$PbWO_4$				
100	$d = 7.845 - 9.525 \times 10^{-4}\ T$	1424-1504	±1.5%	6	a
For additional $PbWO_4$ systems, see : $Bi_2(WO_4)_3$-					
	$PrCl_3$				
100	$d = 4.012 - 7.4165 \times 10^{-4}\ T$	1120-1250	±1.5%	5	a
For additional $PrCl_3$ systems, see : $CaCl_2$- ; KCl- ; KCl*NaCl- ; NaCl-					
	$RbBF_4$				
100	$d = 3.07907 - 0.00104\ T$	870-990	±1%	6	a
	RbBr				
100	$d = 3.739 - 0.0010718\ T$	977-1180	±0.5%	1	a
	RbBr-RbCl				
0-100	$d = 3.0863 - 8.514 \times 10^{-4}\ T$	1020-1230	(620)	2	a
25-75	$d = 3.2688 - 9.141 \times 10^{-4}\ T$	980-1130		2	a
50-50	$d = 3.3996 - 9.478 \times 10^{-4}\ T$	980-1120		2	a
75-25	$d = 3.5833 - 0.0010141\ T$	960-1140		2	a
100-0	$d = 3.7373 - 0.0010704\ T$	980-1140	(621)	2	a
	RbBr-RbI				
0-100	$d = 3.9667 - 0.0011613\ T$	950-1120	(622)	2	a,e
25-75	$d = 3.786 - 0.0010233\ T$	980-1120		2	a,e
50-50	$d = 3.7863 - 0.0010517\ T$	950-1120		2	a,e
75-25	$d = 3.7845 - 0.0010909\ T$	960-1110		2	a,e
100-0	$d = 3.7373 - 0.0010704\ T$	980-1140	(623)	2	a,e
	RbBr-TlBr				
0-100	$d = 7.465 - 0.00195\ T$	973-1033	(624)	4	a,e,l
10-90	$d = 7.053 - 0.001883\ T$	973-1033		4	a,e,l
20-80	$d = 6.645 - 0.001801\ T$	973-1033		4	a,e,l
30-70	$d = 6.286 - 0.00175\ T$	973-1033		4	a,e,l
40-60	$d = 5.926 - 0.001684\ T$	973-1033		4	a,e,l
50-50	$d = 5.545 - 0.001583\ T$	973-1033		4	a,e,l
60-40	$d = 5.208 - 0.001517\ T$	973-1033		4	a,e,l
70-30	$d = 4.829 - 0.0014\ T$	973-1033		4	a,e,l
80-20	$d = 4.474 - 0.0013\ T$	973-1033		4	a,e,l
90-10	$d = 4.123 - 0.0012\ T$	973-1033		4	a,e,l
100-0	$d = 3.724 - 0.00105\ T$	973-1033	(625)	4	a,e,l

Table 2.1.a Density data (continued)

(mol %)	Density ($g\ cm^{-3}$) Equation	T range(K)	Accur.	Ref.	Comment
For additional RbBr systems, see : AgBr- ; KBr- ; KCl- ; LiBr- ; NaBr-					
	RbCl				
100	$d = 3.121 - 8.832 \times 10^{-4}\ T$	996-1196	±0.5%	1	a,c
	RbCl-RbI				
0-100	$d = 3.9667 - 0.0011613\ T$	950-1120	(626)	2	a
25-75	$d = 3.8244 - 0.0011288\ T$	960-1130		2	a
50-50	$d = 3.5802 - 0.0010183\ T$	950-1140		2	a
75-25	$d = 3.3805 - 9.743 \times 10^{-4}\ T$	950-1140		2	a
100-0	$d = 3.0863 - 8.514 \times 10^{-4}\ T$	1020-1230	(627)	2	a
	$RbCl-UCl_4$				
0.00-100.00	$d = 5.2508 - 0.0019455\ T$	870-940	(628)	5	a
4.83-95.17	$d = 5.0411 - 0.001743\ T$	900-940		5	a
35.18-64.82	$d = 4.3583 - 0.0012953\ T$	830-1000		5	a
40.32-59.68	$d = 4.2313 - 0.0012191\ T$	860-980		5	a
43.46-56.54	$d = 4.188 - 0.0012105\ T$	850-1010		5	a
49.17-50.83	$d = 4.107 - 0.0011411\ T$	840-980		5	a
57.75-45.25	$d = 3.9899 - 0.0010872\ T$	700-940		5	a
60.50-39.50	$d = 3.7796 - 9.354 \times 10^{-4}\ T$	820-970		5	a
66.00-34.00	$d = 3.6548 - 8.732 \times 10^{-4}\ T$	950-1000		5	a
71.19-28.81	$d = 3.952 - 0.0012615\ T$	930-1000		5	a
75.01-24.99	$d = 3.4798 - 8.309 \times 10^{-4}\ T$	880-1000		5	a
79.76-20.24	$d = 3.6618 - 9.848 \times 10^{-4}\ T$	930-1010		5	a
87.65-12.35	$d = 3.6541 - 0.0011736\ T$	990-1010		5	a
90.88-9.12	$d = 3.6704 - 0.0012241\ T$	960-990		5	a
98.38-1.62	$d = 2.9855 - 6.957 \times 10^{-4}\ T$	990-1000		5	a
100.00-0.00	$d = 3.1751 - 9.383 \times 10^{-4}\ T$	1010-1100	(629)	5	a
	$RbCl-ZnCl_2$				
0-100	$d = 2.8369 - 5.217 \times 10^{-4}\ T$	700-740	(630)	5	a
10-90	$d = 2.9672 - 6.5272 \times 10^{-4}\ T$	660-800		5	a
20.2-79.8	$d = 2.9991 - 7.0018 \times 10^{-4}\ T$	700-800		5	a
30.2-69.8	$d = 3.0671 - 8.0205 \times 10^{-4}\ T$	700-800		5	a
40.3-59.7	$d = 3.0167 - 7.5426 \times 10^{-4}\ T$	750-800		5	a
49.82-50.18	$d = 3.1167 - 8.8024 \times 10^{-4}\ T$	810-880		5	a
59.89-40.11	$d = 3.0348 - 7.7766 \times 10^{-4}\ T$	820-920		5	a
70.14-29.86	$d = 3.0865 - 8.2603 \times 10^{-4}\ T$	860-960		5	a
80-20	$d = 3.0757 - 8.146 \times 10^{-4}\ T$	860-950		5	a
100-0	$d = 2.9747 - 7.3504 \times 10^{-4}\ T$	1040-1100	(631)	5	a
For additional RbCl systems, see : AgBr- ; $AlCl_3$- ; $CaCl_2$- ; $CdCl_2$- ; CsCl- ; KBr- ; KCl- ; LiCl- ; $MgCl_2$- ; $MnCl_2$- ; NaCl- ; $PbCl_2$- ; RbBr-					
	$RbC_2H_3O_2$				
100	$d = 2.503 - 9.515 \times 10^{-4}\ T$	570-620	±1%	6	a,e
For additional $RbC_2H_3O_2$ systems, see : $NaC_2H_3O_2$-					
	RbF				
100	$d = 3.9953 - 0.0010211\ T$	1080-1340	±1%	10	a
For additional RbF systems, see : AlF_3- ; BeF_2- ; LiF-					
	RbI				
100	$d = 3.9499 - 0.0011435\ T$	928-1175	±1%	1	a
For additional RbI systems, see : KI- ; LiI- ; NaI- ; RbBr- ; RbCl-					
	$RbNO_3$				
100	$d = 3.1366 - 0.0010687\ T$	590-690	±1%	7	a
	$RbNO_3-TlNO_3$				
0-100	$d = 5.807 - 0.001858\ T$	483-623	(632)	7	a,e
20-80	$d = 5.239 - 0.00166\ T$	493-613		7	a,e

Table 2.1.a Density data (continued)

(mol %)	Density ($g\ cm^{-3}$) Equation	T range(K)	Accur.	Ref.	Comment
40-60	d = 4.724 - 0.001557 T	503-615		7	a,e
60-40	d = 4.2164 - 0.00144 T	523-617		7	a,e
80-20	d = 3.662 - 0.00103 T	543-613		7	a,b,e
100-0	d = 3.109 - 0.001001 T	600-640	(633)	7	a,e
For additional $RbNO_3$ systems, see : $AgNO_3$- ; $Ba(NO_3)_2$- ; $CsNO_3$- ; KNO_3- ; $LiNO_3$- ; $NaNO_3$-					
	RbSCN				
100	d = 2.573 - 7.87 x 10^{-4} T	483-593	±1.5%	23	k
	Rb_2CO_3				
100	d = 3.5489 - 6.405 x 10^{-4} T	1210-1280	±1.5%	24	k
	Rb_2SO_4				
100	d = 3.442 - 6.65 x 10^{-4} T	1359-1818	±1.5%	1	a
For additional Rb_2SO_4 systems, see : $NaPO_3$-					
	Rb_3AlF_6				
100	d = 4.1844 - 0.00136 T	1273-1323	±3%	6	a
For additional Rb_3AlF_6 systems, see : Li_3AlF_6- ; Na_3AlF_6-					
	$SbBr_3$				
100	d = 4.448 - 0.00251 T	373-530	±5%	4	a,e
	$SbBr_3$-SbI_3				
0.0-100.0	d = 5.266 - 0.002483 T	455-595	(634)	2	a
20.0-80.0	d = 5.053 - 0.00249 T	430-550		2	a
40.0-60.0	d = 4.857 - 0.002377 T	370-550		2	a
60.0-40.0	d = 4.78 - 0.002568 T	370-550		2	a
80.0-20.0	d = 4.476 - 0.002152 T	380-550		2	a
100.0-0.0	d = 4.448 - 0.00251 T	373-530	(635)	2	a
For additional $SbBr_3$ systems, see : $AlBr_3$-					
	$SbCl_3$				
100	d = 3.4755 - 0.0022931 T	325-350	±1%	5	a
	$SbCl_3$-$SbCl_5$				
0.00-100.00	d = 2.8924 - 0.0018691 T	325-350	(636)	5	a
4.48-95.52	d = 3.0459 - 0.0022751 T	325-350		5	a
25.77-74.23	d = 3.1255 - 0.0022 T	325-350		5	a
33.40-66.60	d = 3.1368 - 0.0021401 T	325-350		5	a
39.89-60.11	d = 3.1742 - 0.0021561 T	325-350		5	a
43.60-56.40	d = 3.162 - 0.0020671 T	325-350		5	a
44.75-55.25	d = 3.155 - 0.0020171 T	325-350		5	a
46.50-53.50	d = 3.2232 - 0.0022211 T	325-350		5	a
46.96-53.04	d = 3.2039 - 0.00215 T	325-350		5	a
55.61-44.39	d = 3.2368 - 0.0021251 T	325-350		5	a
58.30-41.70	d = 3.2537 - 0.0021471 T	325-350		5	a
65.65-34.35	d = 3.2664 - 0.0020651 T	325-350		5	a
71.92-28.08	d = 3.322 - 0.0021701 T	325-350		5	a
73.27-26.73	d = 3.278 - 0.0020251 T	325-350		5	a
76.86-23.14	d = 3.2903 - 0.0020081 T	325-350		5	a
78.22-21.78	d = 3.2753 - 0.0019501 T	325-340		5	a
80.13-19.87	d = 3.3765 - 0.0022301 T	325-350		5	a
80.80-19.20	d = 3.2607 - 0.0018621 T	325-350		5	a
81.75-18.25	d = 3.3111 - 0.0020061 T	325-350		5	a
92.68-7.32	d = 3.3675 - 0.0020451 T	325-350		5	a
94.52-5.48	d = 3.4081 - 0.002146 T	325-350		5	a
100.00-0.00	d = 3.4755 - 0.0022931 T	325-350	(637)	5	a
	$SbCl_5$				
100	d = 2.8922 - 0.001869 T	325-350	±1%	5	a

Table 2.1.a Density data (continued)

(mol %)	Density ($g\ cm^{-3}$) Equation	T range(K)	Accur.	Ref.	Comment
For additional $SbCl_5$ systems, see : $SbCl_3$-					
	SbI_3				
100	$d = 5.266 - 0.002483\ T$	455-595	±1%	4	a,e
For additional SbI_3 systems, see : AlI_3- ; $SbBr_3$-					
	Sb_2S_3				
100	$d = 4.387 - 6.5 \times 10^{-4}\ T$	826-1091	n.a.	1	a
	SiO_2				
For SiO_2 systems, see : Al_2O_3-Na_3AlF_6- ; CaF_2- ; CaO- ; Na_3AlF_6-					
	$SmCl_3$				
For $SmCl_3$ systems, see : KCl*NaCl-					
	SmF_3				
For SmF_3 systems, see : KF- ; LiF- ; NaF-					
	$SnCl_2$				
100	$d = 4.016 - 0.001253\ T$	580-753	±1.5%	1	a
	$SnCl_2$-$ZnCl_2$				
0-100	$d = 2.822 - 5.06 \times 10^{-4}\ T$	630-760	(638)	5	a
10-90	$d = 2.997 - 6.52 \times 10^{-4}\ T$	570-620		5	a
20-80	$d = 3.114 - 7.03 \times 10^{-4}\ T$	560-630		5	a
30-70	$d = 3.226 - 7.47 \times 10^{-4}\ T$	560-630		5	a
40-60	$d = 3.332 - 7.91 \times 10^{-4}\ T$	560-620		5	a
50-50	$d = 3.455 - 8.54 \times 10^{-4}\ T$	550-620		5	a
60-40	$d = 3.571 - 9.16 \times 10^{-4}\ T$	540-620		5	a
70-30	$d = 3.697 - 0.001\ T$	550-620		5	a
80-20	$d = 3.802 - 0.001058\ T$	540-620		5	a
90-10	$d = 3.983 - 0.001255\ T$	550-610		5	a
100-0	$d = 4.072 - 0.0013\ T$	550-600	(639)	5	a
	$SnCl_4$				
100	$d = 3.0185 - 0.002687\ T$	309-411	±1%	1	a
	$SnCl_4$-$TiCl_4$				
0-100	$d = 2.2496 - 0.0017625\ T$	295-330	(640)	5	a
20-80	$d = 2.3973 - 0.001915\ T$	295-330		5	a
40-60	$d = 2.5408 - 0.00206\ T$	295-330		5	a
60-40	$d = 2.6807 - 0.002205\ T$	295-330		5	a
80-20	$d = 2.8181 - 0.00235\ T$	295-330		5	a
100-0	$d = 2.9537 - 0.0024975\ T$	295-330	(641)	5	a
	SnS				
100	$d = 5.111 - 6.83 \times 10^{-4}\ T$	1193-1324	n.a.	1	a
	$SrBr_2$				
100	$d = 4.39 - 7.45 \times 10^{-4}\ T$	950-1277	±1%	1	a
	$SrCl_2$				
100	$d = 3.3896 - 5.781 \times 10^{-4}\ T$	1167-1310	±0.5%	1	a
For additional $SrCl_2$ systems, see : $CaCl_2$- ; KCl- ; LiCl- ; NaCl-					
	SrF_2				
100	$d = 4.784 - 7.51 \times 10^{-4}\ T$	1750-2200	±3%	1	a
	SrI_2				
100	$d = 4.803 - 8.85 \times 10^{-4}\ T$	789-1299	±1.5%	1	a
	$Sr(NO_3)_2$				
For $Sr(NO_3)_2$ systems, see : KNO_3-					
	$TaCl_5$				
100	$d = 4.811 - 0.004316\ T$	490-730	±1%	5	a,e

Table 2.1.a Density data (continued)

(mol %)	Equation — Density (g cm⁻³)	T range(K)	Accur.	Ref.	Comment
For additional $TaCl_5$ systems, see : $NbCl_5$-					
	$ThCl_4$				
100	d = 4.823 - 0.0014 T	1050-1120	±1.5%	5	a
For additional $ThCl_4$ systems, see : KCl- ; NaCl-					
	ThF_4				
100	d = 7.108 - 7.59 x 10^{-4} T	1393-1651	±3%	1	a
For additional ThF_4 systems, see : BeF_2-LiF- ; KF- ; LiF- ; NaF-					
	$TiCl_4$				
100	d = 2.237 - 0.001735 T	260-410	±0.5%	5	a,e
For additional $TiCl_4$ systems, see : $SnCl_4$-					
	TiO_2				
For TiO_2 systems, see : CaF_2- ; Na_2TiF_6-					
	TlBr				
100	d = 7.2682 - 0.001755 T	760-920	±1%	4	d,i
	TlBr-TlCl				
0-100	d = 6.959 - 0.001876 T	786-923	(642)	2	a,e
10-90	d = 6.933 - 0.00181 T	786-923		2	a,e
20-80	d = 7.041 - 0.001898 T	786-923		2	a,e
30-70	d = 7.205 - 0.002048 T	786-923		2	a,e
40-60	d = 7.362 - 0.002186 T	786-923		2	a,e
50-50	d = 7.482 - 0.002271 T	786-923		2	a,e
60-40	d = 7.54 - 0.002278 T	786-923		2	a,e
70-30	d = 7.505 - 0.002185 T	786-923		2	a,e
80-20	d = 7.441 - 0.002056 T	786-923		2	a,e
90-10	d = 7.387 - 0.001936 T	786-923		2	a,e
100-0	d = 7.441 - 0.001929 T	786-923	(643)	2	a,e
	TlBr-TlI				
0.0-100.0	d = 7.332 - 0.001703 T	733-1173	(644)	2	a,e
11.47-88.53	d = 7.3071 - 0.0017026 T	733-1173		2	a,e
22.56-77.44	d = 7.7623 - 0.0026808 T	733-1173		2	a,e
33.31-66.69	d = 7.3122 - 0.0017352 T	733-1173		2	a,e
44.81-55.19	d = 7.3009 - 0.0017374 T	733-1173		2	a,e
45.8-54.2	d = 7.3134 - 0.0018438 T	700-1250		2	a,e
54.23-45.77	d = 7.3022 - 0.0017517 T	733-1173		2	a,e
63.61-36.39	d = 7.3071 - 0.0017707 T	733-1173		2	a,e
73.11-26.89	d = 7.3076 - 0.001784 T	733-1173		2	a,e
82.33-17.67	d = 7.3083 - 0.0017976 T	733-1173		2	a,e
91.29-8.71	d = 7.2991 - 0.0018073 T	733-1173		2	a,e
100.0-0.0	d = 7.2944 - 0.0018136 T	733-1173	(645)	2	a,e
For additional TlBr systems, see : $CdBr_2$- ; KBr- ; NaBr- ; RbBr-					
	TlCl				
100	d = 6.893 - 0.0018 T	708-915	±0.5%	1	a
	TlCl-$ZnCl_2$				
0-100	d = 2.822 - 5.06 x 10^{-4} T	630-720	(646)	5	a
10-90	d = 3.272 - 7.63 x 10^{-4} T	650-720		5	a
20-80	d = 3.569 - 8.1 x 10^{-4} T	630-770		5	a
28-72	d = 3.89 - 9.28 x 10^{-4} T	650-720		5	a
40-60	d = 4.344 - 0.001075 T	640-720		5	a
50-50	d = 4.732 - 0.001209 T	650-720		5	a
60-40	d = 4.986 - 0.001212 T	650-770		5	a
70-30	d = 5.405 - 0.001355 T	660-730		5	a
80-20	d = 5.833 - 0.001465 T	660-730		5	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
90-10	d = 6.334 - 0.001625 T	680-730		5	a
100-0	d = 6.802 - 0.001682 T	730-780	(647)	5	a
	$TlCl-ZnSO_4$				
29.34-70.66	d = 4.5411 - 6.016 x 10^{-4} T	750-770		3	a,o
31.72-68.28	d = 4.8983 - 0.0010398 T	720-770		3	a,o
33.42-66.58	d = 4.7904 - 8.203 x 10^{-4} T	720-770		3	a,e,o
34.52-65.48	d = 4.8895 - 9.203 x 10^{-4} T	720-770		3	a,e,o
36.98-63.02	d = 5.0014 - 0.0010008 T	720-770		3	a,o
43.10-56.90	d = 5.0712 - 9.008 x 10^{-4} T	720-770		3	a,e,o
50-50	d = 5.6258 - 0.0014406 T	750-770		3	a,o
For additional TlCl systems, see : $CdCl_2$- ; $PbCl_2$- ; TlBr-					
	TlI				
100	d = 7.4014 - 0.001761 T	850-1010	±1%	4	a,e
For additional TlI systems, see : KI- ; TlBr-					
	$TlNO_2$				
100	d = 5.6166 - 0.00157 T	480-570	±1%	7	a
	$TlNO_2-TlNO_3$				
0-100	d = 5.579 - 0.0014996 T	513-553	(648)	7	g
20-80	d = 5.767 - 0.001749 T	513-553		7	g
42-58	d = 5.7556 - 0.0016251 T	473-553		7	g
60-40	d = 5.8015 - 0.0016245 T	473-553		7	g
80-20	d = 5.8514 - 0.0016243 T	473-553		7	g
100-0	d = 5.6166 - 0.00157 T	473-553	(649)	7	g
	$TlNO_3$				
100	d = 5.8041 - 0.0018737 T	484-552	±0.5%	1	a,c
For additional $TlNO_3$ systems, see : $AgNO_3$- ; $HgCl_2$- ; KNO_3- ; $LiNO_3$- ; $NaNO_3$- ; $RbNO_3$- ; $TlNO_2$-					
	Tl_2S				
100	d = 9.1846 - 0.0019434 T	790-1070	n.a.	6	a,e
	Tl_2SO_4				
100	d = 6.7994 - 0.0013017 T	960-1200	±1%	6	a,e
For additional Tl_2SO_4 systems, see : Li_2SO_4-					
	UCl_3				
100	d = 13.652 - 0.007943 T	1220-1300	±1.5%	5	a
For additional UCl_3 systems, see : KCl- ; NaCl-					
	UCl_4				
100	d = 5.2508 - 0.0019455 T	870-940	±1.5%	5	a
For additional UCl_4 systems, see : CsCl- ; KCl- ; LiCl- ; NaCl- ; RbCl-					
	UF_4				
100	d = 7.784 - 9.92 x 10^{-4} T	1309-1614	±2%	1	a
For additional UF_4 systems, see : BeF_2-LiF- ; BeF_2- ; KF- ; LiF- ; NaF-					
	UO_2SO_4				
For UO_2SO_4 systems, see : $NaPO_3$-					
	V_2O_5				
100	d = 2.856 - 4.5 x 10^{-4} T	980-1140	±2.5%	3	a
For additional V_2O_5 systems, see : CaF_2- ; KVO_3- ; $NaVO_3$-					
	WO_3				
For WO_3 systems, see : KPO_3- ; K_2WO_4- ; Li_2WO_4- ; $NaPO_3$- ; $Na_2B_4O_7$- ; Na_2WO_4- ; $Na_4P_2O_7$-					
	YCl_3				
100	d = 3.007 - 5. x 10^{-4} T	998-1118	±2%	1	a

Table 2.1.a Density data (continued)

(mol %)	Density (g cm^{-3}) Equation	T range(K)	Accur.	Ref.	Comment
For additional YCl_3 systems, see : KCl-NaCl- ; KCl- ; NaCl-					
	YF_3				
For YF_3 systems, see : KF- ; LiF- ; NaF-					
	$ZnBr_2$				
100	$d = 4.113 - 9.59 \times 10^{-4}\ T$	707-875	±1%	1	a
For additional $ZnBr_2$ systems, see : $AlBr_3$- ; $CdBr_2$- ; $CdCl_2$- ; KBr-					
	$ZnCl_2$				
100	$d = 2.8375 - 5.293 \times 10^{-4}\ T$	590-830	±0.5%	5	a,e
For additional $ZnCl_2$ systems, see : $BaCl_2$- ; $CdBr_2$- ; $CdCl_2$- ; CsCl- ; KCl- ; LiCl- ; NaCl- ; $PbCl_2$- ; RbCl- ; $SnCl_2$- ; TlCl-					
	ZnI_2				
100	$d = 4.856 - 0.00136\ T$	729-861	±1.5%	1	a
	ZnO				
For ZnO systems, see : KPO_3- ; $NaPO_3$-					
	$Zn(PO_3)_2$				
100	$d = 2.8817 - 7.67 \times 10^{-5}\ T$	1180-1380	±3%	6	a
For additional $Zn(PO_3)_2$ systems, see : KPO_3- ; K_2O- ; $NaPO_3$- ; Na_2O-					
	$ZnSO_4$				
100	$d = 3.591 - 4.7 \times 10^{-4}\ T$	880-1260	±1%	6	a
For additional $ZnSO_4$ systems, see : KBr- ; KCl- ; K_2SO_4- ; Li_2SO_4- ; Na_2SO_4- ; TlCl-					
	$ZrCl_4$				
100	$d = 6.943 - 0.0074646\ T$	710-765	±1%	5	a,e
	ZrF_4				
For ZrF_4 systems, see : BeF_2-LiF-UF_4- ; BeF_2-LiF- ; KF- ; NaF- ; $Na_2B_4O_7$-					
	ZrO_2				
For ZrO_2 systems, see : CaF_2-					

Table 2.1.b Density data reliability statements

Number	Reliability estimates
1	For 100% AgCl, the results have been advanced as the recommended data set.
2	For 100% AgBr, the results have been advanced as the recommended data set.
3	For 100% Ag_2Te, the results have been advanced as the recommended data set.
4	For 100% AgBr, the departures from the recommended data set are: 740 K, -0.4%, 1180 K, -0.6%.
5	For 100% AgBr, the departures from the recommended data set are: 720 K, +0.05%, 960 K, 0.0%.
6	For 100% AgBr, the results have been advanced as the recommended data set.
7	For both 100% KCl and 100% AgBr at 1073 K, the departure from the recommended data set is, respectively, -1.2% and -0.1%.
8	For 100% AgBr, the departures from the recommended data set are: 720 K, -0.4%, 960 K, -0.6%.
9	For both 100% NaCl and 100% AgBr at 1073 K, the departure from the recommended data set is, respectively, -0.8% and -0.1%.
10	For 100% AgBr, the departures from the recommended data set are: 720 K, +0.05%, 820 K, +0.04%.
11	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, 0.0%, 590 K, -0.3%.
12	For 100% Ag_2S, the results have been advanced as the recommended data set.
13	For 100% AgCl, the departures from the recommended data set are: 770 K, +0.8%, 1050 K, +1.3%.
14	For 100% Ag_2Se, the results have been advanced as the recommended data set.
15	For 100% AgCl, the departures from the recommended data set are: 770 K, +0.6%, 1250 K, +1.2%.
16	For 100% Ag_2Te, the results have been advanced as the recommended data set.
17	For 100% AgCl, the departures from the recommended data set are: 770 K, +0.6%, 1250 K, +1.2%.
18	For both 100% AgCl and 100% KBr at 1073 K, the departure from the recommended data set is, respectively, +0.2% and -1.0%.
19	For 100% AgCl, the results have been advanced as the recommended data set.
20	For both 100% AgCl and 100% NaBr at 1073 K, the departure from the recommended data set is, respectively, +1.5% and -0.8%.
21	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
22	For 100% AgCl, the results have been advanced as the recommended data set.
23	For 100% $AgNO_3$ at 498 K, the departure from the recommended data set is -0.06%.
24	For 100% Ag_2S, the results have been advanced as the recommended data set.
25	For 100% AgI, the departures from the recommended data set are: 890 K, -0.01%, 1250 K, -0.03%.
26	For 100% Ag_2Te, the results have been advanced as the recommended data set.
27	For 100% AgI, the departures from the recommended data set are: 890 K, -0.01%, 1250 K, -0.03%.
28	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, -0.1%, 590 K, -0.2%.
29	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, -0.1%, 590 K, -0.2%.
30	For 100% $AgNO_3$, the departures from the recommended data set are: 505 K, -0.6%, 560 K, -0.6%.
31	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.6%, 790 K, -0.7%.
32	For 100% $AgNO_3$, the departures from the recommended data set are: 500 K, +0.2%, 650 K, -0.2%.
33	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, +1.3%, 590 K, +1.0%.
34	For 100% KNO_3, the departures from the recommended data set are: 620 K, +1.1%, 670 K, +0.8%.
35	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
36	For 100% $LiNO_3$, the departures from the recommended data set are: 530 K, +0.7%, 670 K, +0.4%.
37	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
38	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, -0.1%, 590 K, -0.2%.
39	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, +0.8%, 670 K, 0.0%.
40	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
41	For 100% $RbNO_3$, the departures from the recommended data set are: 600 K, +0.5%, 640 K, +0.6%.
42	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
43	For 100% $TlNO_3$, the departures from the recommended data set are: 490 K, +0.09%, 620 K, +0.15%.
44	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
45	For 100% Li_2SO_4, the departures from the recommended data set are: 1150 K, 0.0%, 1230 K, +0.4%.
46	For 100% Ag_2SO_4, the results have been advanced as the recommended data set.
47	For 100% $AlBr_3$, the departures from the recommended data set are: 385 K, +0.3%, 415 K, +0.5%.
48	For 100% $AlBr_3$, the departures from the recommended data set are: 380 K, +0.3%, 430 K, +0.5%.
49	For 100% $AlBr_3$, the departures from the recommended data set are: 385 K, +0.3%, 415 K, +0.5%.
50	For 100% $SbBr_3$, the departures from the recommended data set are: 375 K, +5.3%, 410 K, +5.6%.
51	For 100% $AlBr_3$, the departures from the recommended data set are: 380 K, +0.3%, 410 K, +0.5%.
52	For 100% $AlBr_3$, the departures from the recommended data set are: 380 K, +0.3%, 410 K, +0.5%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
53	For 100% $BiCl_3$, the departures from the recommended data set are: 690 K, +0.14%, 750 K, +0.2%.
54	For 100% $AlCl_3$, the departures from the recommended data set are: 480 K, -0.3%, 490 K, 0.0%.
55	The density results for this composition have been advanced as the recommended data set for lithium tetrachloroaluminate, LiAlCl4
56	The density measurements from this laboratory (USAFSC) for $AlCl_3$ and LiCl-AlCl have been advanced as recommended data sets
57	For 100% $AlCl_3$, the departures from the recommended data set are: 480 K, -0.3%, 490 K, 0.0%.
58	For 100% LiF, the departures from the recommended data set are: 1150 K, -0.2%, 1320 K, +0.06%.
59	For 100% NaF, the results have been advanced as the recommended data set.
60	For 100% Na_3AlF_6, the departures from the recommended data set are: 1300 K, 0.0%, 1340 K, 0.0%.
61	For 100% AlI_3 at 473 K, the departure from the recommended data set is +1.7%.
62	For 100% AlI_3 at 473 K, the departure from the recommended data set is +1.7%.
63	For 100% AlI_3 at 473 K, the departure from the recommended data set is +1.7%.
64	For 100% CaF_2 at 1723 K, the departure from the recommended data set is +0.4%.
65	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, +0.9%, 1370 K, +0.8%
66	For 100% Li_3AlF_6, the results have been advanced as the recommended data set.
67	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280K, +0.9%, 1350 K, +0.8%
68	For 100% Na_3AlF_6 at 1273 K, the departure from the recommended data set is +0.3%.
69	For 100% KBr, the departures from the recommended data set are: 1020 K, +0.8%, 1120 K, +1.0%.
70	For 100% $BaBr_2$, the results have been advanced as the recommended data set.
71	For both 100% $BaCl_2$ and 100% BaF_2 at 1573 K, the departure from the recommended data set is, respectively, 0.0% and -6.3%.
72	For 100% $CdCl_2$, the results have been advanced as the recommended data set.
73	For 100% CsCl, the departures from the recommended data set are: 980 K, +1.0%, 1270 K, +1.4%.
74	For 100% $BaCl_2$, the departures from the recommended data set are: 1240 K, -2.0%, 1270 K, -2.3%.
75	For 100% KCl, the departures from the recommended data set are: 1070 K, -0.6%, 1160 K, -0.8%.
76	For 100% $BaCl_2$, the departures from the recommended data set are: 1250 K, -0.9%, 1280 K, -0.9%.
77	For both 100% KF and 100% $BaCl_2$ at 1573 K, the departure from the recommended data set is, respectively, -1.2% and -0.3%.
78	For 100% $BaCl_2$, the departures from the recommended data set are: 1250 K, -2%, 1270 K, -2.3%.
79	For 100% LiCl, the departures from the recommended data set are: 890 K, +0.07%, 1070 K, -0.1%.
80	For 100% $BaCl_2$, the departures from the recommended data set are: 1240 K, -2%, 1270 K, -2.3%.
81	For 100% $MgCl_2$, the departures from the recommended data set are: 1030 K, +0.5%, 1190 K, +0.2%.
82	For 100% NaCl, the departures from the recommended data set are: 1080 K, -1.1%, 1120 K, -1.4%.
83	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
84	For 100% CsF at 1573 K, the departure from the recommended data set is +0.6%.
85	For both 100% KCl and 100% BaF_2 at 1573 K, the departure from the recommended data set is, respectively, -1.6% and -6.3%.
86	For 100% KF, the departures from the recommended data set are: 1470 K, +0.4%, 1570 K, -1.3%.
87	For 100% LiF at 1573 K, the departure from the recommended data set is +0.2%.
88	For 100% NaF, the departures from the recommended data set are: 1290 K, +0.8%, 1390 K, +0.9%.
89	For 100% Na_3AlF_6, the departures from the recommended data set are: 1310 K, +0.6%, 1390 K, +0.6%.
90	For 100% $Ba(NO_2)_2$, the results have been advanced as the recommended data set.
91	For 100% $Ba(NO_2)_2$, the results have been advanced as the recommended data set.
92	For 100% KNO_3, the departures from the recommended data set are: 630 K, +0.3%, 730 K, +0.3%.
93	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, -0.9%, 690 K, -1.9%.
94	For 100% $RbNO_3$, the results have been advanced as the recommended data set.
95	For 100% Na_3AlF_6 at 1273 K, the departure from the recommended data set is -0.3%.
96	For 100% $PbMoO_4$, the results have been advanced as the recommended data set.
97	For 100% $Bi_2(MoO_4)_3$, the results have been advanced as the recommended data set.
98	For 100% KPO_3 at 1123 K, the departure from the recommended data set is +4.8%.
99	For 100% $K_2B_4O_7$, the density at 1123 K, i.e. 1.997, has been advanced as the recommended value.
100	For 100% $NaPO_3$ at 1123 K, the departure from the recommended data set is -3.7%.
101	For 100% $Na_2B_4O_7$ at 1123 K, the value has been advanced as the recommended data set.
102	For 100% $PbWO_4$, the results have been advanced as the recommended data set.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
103	For 100% $Bi_2(WO_4)_3$, the results have been advanced as the recommended data set.
104	For 100% B_2O_3 at 1073 K, the departure from the recommended data set is -1.2%.
105	The value for 100% $Na_2B_4O_7$ at 1223 K has been advanced as recommended data.
106	For 100% $CaCl_2$ at 1073 K, the departure from the recommended data set is -2.3%.
107	For 100% CsCl, the departures from the recommended data set are: 1040 K, -0.16%, 1150 K, -2.7%.
108	For 100% $CaCl_2$, the departures from the recommended data set are: 1070 K, +2.1%, 1190 K, -1.3%.
109	For 100% $DyCl_3$, the departures from the recommended data set are: 1034 K -0.08%, 1260K -0.09%.
110	For 100% $CaCl_2$, the departures from the recommended data set are: 1098 K 3.0%, 1223K 3.0%.
111	For 100% KCl, the departures from the recommended data set are: 1080 K, +0.3%, 1120 K, +0.04%.
112	For 100% $CaCl_2$, the departures from the recommended data set are: 1070 K, 0.0%, 1140 K, 0.0%.
113	For 100% $LaCl_3$, the departures from the recommended data set are: 1180 K, +0.7%, and 1260 K, +0.9%.
114	For 100% $CaCl_2$, the departures from the recommended data set are: 1130 K, +0.9%, and 1270 K +0.9%.
115	For 100% $LaCl_3$, the departures from the recommended data set are: 1180 K, +0.7%, and 1260 K, +0.9%.
116	For 100% LiCl, the departures from the recommended data set are: 900 K, +0.27%, 1270 K, +0.63%.
117	For 100% $CaCl_2$, the departures from the recommended data set are: 1080 K, -0.3%, 1270 K, 0.0%.
118	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
119	For 100% $CaCl_2$, the departures from the recommended data set are: 1070 K, 0.0%, 1140 K, 0.0%.
120	For 100% $MnCl_2$, the departures from the recommended data set are: 940 K, +0.2%, 1020 K, -0.4%.
121	For 100% NaCl, the departures from the recommended data set are: 1090 K, +0.3%, 1170 K, +0.5%.
122	For 100% $CaCl_2$, the departures from the recommended data set are: 1070 K, 0.0%, 1140 K, 0.0%.
123	For 100% $CaCl_2$, the departures from the recommended data set are: 1098 K 2.9%, 1223K 3.0%.
124	For 100% $CaCl_2$, the departures from the recommended data set are: 1098 K 2.9%, 1223 K 3.0%.
125	For 100% RbCl, the departures from the recommended data set are: 1010 K, -0.16%, 1270 K, +0.27%.
126	For 100% $CaCl_2$, the departures from the recommended data set are: 1080 K, -0.3%, 1270 K, 0.0%.
127	For 100% $SrCl_2$, the departures from the recommended data set are: 1170 K, -0.7%, 1320 K, -0.2%.
128	For 100% $CaCl_2$, the departures from the recommended data set are: 1120 K, -1.0%, 1270 K, -0.94%.
129	For 100% CaF_2, the departures from the recommended data set are: 1720 K, +2.5%, 1970 K, +3.7%.
130	For 100% $CaSiO_3$, the single data point at 1823 K, i.e. 1.67, has been advanced as the recommended value.
131	For 100% LiF, the departures from the recommended data set are: 1120 K, -5.7%, 1340 K, -4.3%.
132	For 100% NaF, the departures from the recommended data set are: 1290 K, +0.8%, 1390 K, +0.9%.
133	For 100% Na_3AlF_6, the results have been advanced as the recommended data set.
134	For 100% CaF_2 at 1673 K, the departure from the recommended data set is -5%.
135	For 100% $CsNO_3$, the departures from the recommended data set are: 690 K, -0.7%, 720 K, -1.0%.
136	For 100% KNO_3, the departures from the recommended data set are: 620 K, +0.3%, 710 K, +0.2%.
137	For 100% $NaNO_3$, the departures from the recommended data set are: 600 K, +1.06%, 720 K, +0.55%.
138	For 100% Na_2SO_4, the departures from the recommended data set are: 1240 K, -1.5%, 1470 K, +0.3%.
139	For 100% $CdCl_2$, the results have been advanced as the recommended data set.
140	For 100% $CdBr_2$, the results have been advanced as the recommended data set.
141	For 100% $CdBr_2$, the departures from the recommended data set are: 900 K, -0.4%, 1060 K, +1.4%.
142	For 100% KCl, the departures from the recommended data set are: 1100 K, -1.2%, 1320 K, -0.6%.
143	For 100% $CdBr_2$, the departures from the recommended data set are: 900 K, -0.4%, 1060 K, +1.3%.
144	For 100% $CdBr_2$ at 873.2 K, the departure from the recommended data set is -0.2%.
145	For 100% $CdBr_2$ at 873 K, the departure from the recommended data set is +0.25%.
146	For 100% $ZnBr_2$, the departures from the recommended data set are: 690 K, -0.8%, 860 K, -0.8%.
147	For 100% $CdBr_2$, the departures from the recommended data set are: 870 K, -0.15%, 950 K, -0.15%.
148	For 100% $ZnCl_2$, the departures from the recommended data set are: 630 K, -0.05%, 770 K, +1.4%.
149	For 100% $CdBr_2$, the departures from the recommended data set are: 870 K, -0.15%, 950 K, -0.15%.
150	For 100% CdI_2, the results have been advanced as the recommended data set.
151	For 100% $CdCl_2$, the results have been advanced as the recommended data set.
152	For 100% CsCl, the departures from the recommended data set are: 980 K, -0.4%, 1110 K, -0.15%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
153	For 100% $CdCl_2$, the results have been advanced as the recommended data set.
154	For 100% KBr, the departures from the recommended data set are: 1080 K, -1.0%, 1260 K, -0.9%.
155	For 100% $CdCl_2$, the departures from the recommended data set are: 860 K, -0.09%, 980 K, 0.0%.
156	For 100% $CdCl_2$, the results have been advanced as the recommended data set.
157	For 100% LiCl, the departures from the recommended data set are: 900 K, -0.3%, 1020 K, -0.2%.
158	For 100% $CdCl_2$, the results have been advanced as the recommended data set.
159	For 100% $CdCl_2$, the departures from the recommended data set are: 860 K, +0.1%, 1080 K, 0.0%.
160	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
161	For 100% $CdCl_2$, the results have been advanced as the recommended data set.
162	For 100% RbCl, the departures from the recommended data set are: 1000 K, +0.1%, 1170 K, +0.3%.
163	For 100% $CdCl_2$, the departures from the recommended data set are: 920 K, 0.0%, 1070 K, 0.0%.
164	For 100% TlCl, the departures from the recommended data set are: 730 K, -0.09%, 780 K, +0.02%.
165	For 100% $CdCl_2$, the departures from the recommended data set are: 880 K, +0.1%, 960 K, 0.0%.
166	For 100% $ZnBr_2$, the departures from the recommended data set are: 690 K, -0.8%, 860 K, -0.8%.
167	For 100% $CdCl_2$, the departures from the recommended data set are: 880 K, +0.1%, 980 K, 0.0%.
168	For 100% $ZnCl_2$, the departures from the recommended data set are: 630 K, -0.05%, 760 K, +0.1%.
169	For 100% $CdCl_2$, the departures from the recommended data set are: 880 K, +0.1%, 980 K, 0.0%.
170	For 100% CsI, the departures from the recommended data set are: 930 K, +0.4%, 1035 K, 0.0%.
171	For 100% CdI_2, the departures from the recommended data set are: 770 K, -0.4%, 950 K, -0.2%.
172	For 100% KI, the departures from the recommended data set are: 970 K, +0.29%, 1070 K, +0.25%.
173	For 100% CdI_2, the results have been advanced as the recommended data set.
174	For 100% CdI_2, the departures from the recommended data set are: 770 K, -0.4%, 950 K, -0.2%.
175	For 100% $CeCl_3$, the departures from the recommended data set are: 1100 K, 0.0%, 1170 K, -0.2%.
176	Insufficient details for firm estimate. Based on the principles of the method, possibly 2.5%
177	For 100% KF, the departures from the recommended data set are: 1140 K, -3.2%, 1350 K, -3.1%.
178	For 100% LiF, the departures from the recommended data set are: 1150 K, -5.7%, 1320 K, -4.3%.
179	For 100% NaF, the departures from the recommended data set are: 1280 K, -2.4%, 1350 K, -2.3%.
180	For both 100% Cu_2S and 100% Co_4S_3 at 1473 K, the results have been advanced as the recommended data set.
181	For both 100% Co_4S_3 and 100% FeS at 1523 K, the results have been advanced as the recommended data set.
182	For 100% Ni_3S_2 at 1523 K, the departure from the recommended data set is -1.3%, while for 100% Co_4S_3 at 1523 K the results have been advanced as the recommended data set.
183	For 100% CsCl, the departures from the recommended data set are: 940 K, +0.4%, 1080 K, +0.3%.
184	For 100% CsBr, the departures from the recommended data set are: 940 K, +0.16%, 1080 K, +0.3%.
185	For 100% CsF, the departures from the recommended data set are: 930 K, -0.5%, 1070 K, -0.3%.
186	For 100% CsBr, the departures from the recommended data set are: 930 K, +0.13%, 1070 K, +0.04%.
187	For 100% CsI, the departures from the recommended data set are: 950 K, +0.3%, 1080 K, 0.0%.
188	For 100% CsBr, the departures from the recommended data set are: 950 K, +0.16%, 1080 K, +0.3%.
189	For both 100% KCl and 100% CsBr at 1073 K, the departure from the recommended data set is, respectively, -1.2% and -1.0%.
190	For both 100% CsBr and 100% LiBr at 1073 K, the departure from the recommended data set is, respectively, +0.2% and +0.8%.
191	For both 100% NaCl and 100% CsBr at 1073 K, the departure from the recommended data set is, respectively, 0.0% and -1.0%.
192	For 100% CsF, the departures from the recommended data set are: 930 K, -0.5%, 1070 K, -0.3%.
193	For 100% CsCl, the departures from the recommended data set are: 930 K, +0.4%, 1070 K, +0.5%.
194	For 100% CsI, the departures from the recommended data set are: 950 K, +0.3%, 1080 K, 0.0%.
195	For 100% CsCl, the departures from the recommended data set are: 940 K, +0.4%, 1080 K, +0.3%.
196	For both 100% CsCl and 100% KBr at 1073 K, the departure from the recommended data set is, respectively, +0.1% and -0.97%.
197	For 100% KCl, the departures from the recommended data set are: 1060 K, 0.0%, 1200 K, +0.06%.
198	For 100% CsCl, the departures from the recommended data set are: 940 K, +0.4%, 1080 K, +0.3%.
199	For both 100% KI and 100% CsCl at 1073 K, the departure from the recommended data set is, respectively, -0.6% and -0.4%.
200	For 100% CsCl, the departures from the recommended data set are: 920 K, +1.0%, 1070 K, +1.2%.
201	For 100% LiCl, the departures from the recommended data set are: 880 K, +0.07%, 1070 K, -0.1%.
202	For 100% CsCl, the departures from the recommended data set are: 920 K, +1.0%, 1070 K, +1.2%.
203	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
204	For 100% CsCl, the departures from the recommended data set are: 950 K, +0.18%, 1070 K, -0.12%.
205	For 100% $MnCl_2$, the departures from the recommended data set are: 940 K, +0.2%, 1020 K, -0.4%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
206	For 100% CsCl, the departures from the recommended data set are: 930 K, +0.05%, 990 K, +0.09%.
207	For both 100% CsCl and 100% NaBr at 1073 K, the departure from the recommended data set is, respectively, +0.08% and -0.8%.
208	For 100% NaCl, the results are in exact accord with the recommended data set, i.e., ± 0.05%.
209	For 100% CsCl, the departures from the recommended data set are: 940 K, +0.4%, 1090 K, +0.3%.
210	For 100% $PbCl_2$, the departures from the recommended data set are: 920 K, -0.04%, 1060 K, +0.03%.
211	For 100% CsCl, the departures from the recommended data set are: 980 K, -0.4%, 1110 K, -0.14%.
212	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.1%, 1230 K, +0.3%.
213	For 100% CsCl, the departures from the recommended data set are: 940 K, +0.4%, 1090 K, +0.3%.
214	For 100% UCl_4, the results have been advanced as the recommended data set.
215	For 100% CsCl, the departures from the recommended data set are: 930 K, +0.5%, 980 K, +0.6%.
216	For 100% $ZnCl_2$, the results have been advanced as the recommended data set.
217	For 100% CsCl, the departures from the recommended data set are: 940 K, +0.16%, 1100 K, 0.0%.
218	For 100% $NaC_2H_3O_2$, the results have been advanced as the recommended data set.
219	For 100% $CsC_2H_3O_2$, the results have been advanced as the recommended data set.
220	For 100% CsI, the departures from the recommended data set are: 930 K, +0.5%, 1070 K, +4%.
221	For 100% CsF, the departures from the recommended data set are: 930 K, -0.5%, 1070 K, -0.3%.
222	For 100% GdI_3, the results have been advanced as the recommended data set.
223	For 100% CsI, the results are in exact accord with the recommended data set.
224	For 100% CsI and 100% KCl at 1073 K, the departures from the recommended data sets are, respectively, -1.0% and -0.9%.
225	For 100% LaI_3, the results have been advanced as the recommended data set.
226	For 100% CsI, the results are in exact accord with the recommended data set.
227	For 100% LiI, the departures from the recommended data set are: 770 K, +3.0%, 910 K, +3.8%.
228	For 100% CsI, the departures from the recommended data set are: 960 K, +0.3%, 1130 K, 0.0%.
229	For 100% NdI_3, the results have been advanced as the recommended data set.
230	For 100% CsI, the results are in exact accord with the recommended data set.
231	For 100% KNO_3, the departures from the recommended data set are: 635 K, +1.2%, 725 K, -0.1%.
232	For 100% $CsNO_3$, the departures from the recommended data set are: 695 K, -0.3%, 790 K, -0.2%.
233	For 100% $LiNO_3$, the departures from the recommended data set are: 695 K, 0.0%, 785 K, -1.1%.
234	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.07%, 780 K, -1.0%.
235	For 100% $NaNO_3$, the departures from the recommended data set are: 605 K, +0.1%, 740 K, -0.5%.
236	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.32%, 780 K, -0.18%.
237	For 100% $RbNO_3$, the departures from the recommended data set are: 600 K, -0.3%, 730 K, -0.2%.
238	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.32%, 780 K, -0.18%.
239	For 100% Cs_3AlF_6, the results have been advanced as the recommended data set.
240	For 100% Li_3AlF_6, the departures from the recommended data set are: 1080 K, -0.16%, 1220 K, -1.6%.
241	For 100% Cs_3AlF_6, the results have been advanced as the recommended data set.
242	For 100% Cs_3AlF_6, the results have been advanced as the recommended data set.
243	For 100% CuCl, the departures from the recommended data set are: 740 K, +1.3%, 1110 K, +1.1%.
244	For 100% KCl at 1073.2 K, the result has been advanced as the recommended data set.
245	For 100% $N(C_3H_7)_4SCN$, the results have been advanced as the recommended data set.
246	For both 100% FeS and 100% Cu_2S at 1523 K, the results have been advanced as the recommended data set.
247	For 100% Ni_3S_2 and 100% Cu_2S at 1473 K, the departures from the recommended data sets are, respectively, +0.06% and +0.02%.
248	For 100% $FeCl_2$, the results have been advanced as the recommended data set.
249	For 100% Ni_3S_2 and 100% FeS at 1523 K, the departures from the recommended data sets are, respectively, -1.7% and +4.6%.
250	For 100% GaI_3, the results have been advanced as the recommended data set.
251	For 100% KI, the departures from the recommended data set are: 1030 K, +0.03%, 1180 K, +0.4%.
252	For 100% GdI_3, the results have been advanced as the recommended data set.
253	For 100% HgI_2 at 531 K, the departure from the recommended data set is +2.2%.
254	For 100% $HgBr_2$, the departures from the recommended data set are: 515 K, +2.8%, 530 K, +3.1%.
255	For 100% $TlNO_3$, the results have been advanced as the recommended data set.
256	uncertainty estimated at 1%
257	For 100% KPO_3, the departures from the recommended data set are: 1170 K, +0.8%, 1220 K, +2.0%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
258	For 100% KCl, the departures from the recommended data set are: 1060 K, 0.0%, 1210 K, +0.06%.
259	For 100% KBr, the departures from the recommended data set are: 1030 K, +0.01%, 1190 K, +0.04%.
260	For 100% KF, the departures from the recommended data set are: 1150 K, +0.4%, 1250 K, +0.2%.
261	For 100% KBr, the departures from the recommended data set are: 1010 K, +0.4%, 1140 K, +0.4%.
262	For 100% KI, the departures from the recommended data set are: 990 K, -0.7%, 1170 K, +0.2%.
263	For 100% KBr, the departures from the recommended data set are: 1030 K, +0.01%, 1220 K, +0.05%.
264	For 100% KNO_3, the departures from the recommended data set are: 620 K, +0.2%, 870 K, +0.2%.
265	For 100% KBr, the departures from the recommended data set are: 1020 K, +0.8%, 1070 K, +0.9%.
266	For 100% KBr, the departures from the recommended data set are: 1030 K, +0.01%, 1170 K, +0.07%.
267	For 100% LiCl and 100% KBr at 1073 K, the departures from the recommended data sets are, respectively, -1.4% and -3.5%.
268	For 100% NaBr, the departures from the recommended data set are: 1050 K, -0.2%, 1220 K, -0.3%.
269	For 100% KBr, the departures from the recommended data set are: 1030 K, +0.01%, 1190 K, +0.05%.
270	For 100% KBr, the departures from the recommended data set are: 1020 K, +0.8%, 1070 K, +0.9%.
271	For 100% NaCl and 100% KBr at 1073 K, the departures from the recommended data sets are, respectively, 0.0% and -1.0%.
272	For 100% $PbBr_2$, the departures from the recommended data set are: 660 K, +0.8%, 1000 K, +0.2%.
273	For 100% KBr, the departures from the recommended data set are: 1020 K, +0.3%, 1180 K, +0.1%.
274	For 100% RbBr, the departures from the recommended data set are: 980 K, -0.03%, 1180 K, 0.0%.
275	For 100% KBr, the departures from the recommended data set are: 1030 K, +0.01%, 1190 K, +0.04%.
276	For both 100% RbCl and 100% KBr at 1073 K, the departure from the recommended data set is, respectively, +0.7% and 0.0%.
277	For 100% TlBr, the departures from the recommended data set are: 780 K, +0.6%, 1020 K, -0.09%.
278	For 100% KBr, the departures from the recommended data set are: 1040 K, +0.3%, 1200 K, +0.6%.
279	For 100% $ZnBr_2$, the departures from the recommended data set are: 740 K, +0.7%, 880 K, +0.7%.
280	For 100% KBr, the departures from the recommended data set are: 1080 K, +0.2%, 1260 K, +0.5%.
281	For 100% KF, the departures from the recommended data set are: 1150 K, +0.4%, 1250 K, +0.2%.
282	For 100% KCl, the departures from the recommended data set are: 1060 K, -0.09%, 1190 K, -0.11%.
283	For 100% KI, the results have been advanced as the recommended data set.
284	For 100% KCl, the results have been advanced as the recommended data set.
285	For 100% KNO_3, the departures from the recommended data set are: 620 K, 0.0%, 800 K, -0.3%.
286	For 100% K_2SO_4, the results have been advanced as the recommended data set.
287	For 100% KCl, the departures from the recommended data set are: 1060 K, -0.8%, 1260 K, -0.4%.
288	For 100% K_2ZrF_6, the results have been advanced as the recommended data set.
289	For 100% KCl, the departures from the recommended data set are: 1070 K, -0.09%, 1170 K, -0.2%.
290	For 100% $LaCl_3$, the departures from the recommended data set are: 1180 K, +0.7% and 1260 K, +0.9%.
291	For 100% KCl, the departures from the recommended data set are: 1120 K, +0.8% and 1270 K, +0.7%.
292	For 100% LiCl, the results have been advanced as the recommended data set.
293	For 100% KCl, the results have been advanced as the recommended data set.
294	For 100% $PbCl_2$, the departures from the recommended data set are: 793 K -0.05%, 970 K 0.15%.
295	For 100% KCl, the departures from the recommended data set are: 1070 K, +0.3%, 1170 K, +0.1%.
296	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
297	For 100% KCl, the departures from the recommended data set are: 1080 K, +0.3%, 1120 K, +0.05%.
298	For 100% $MnCl_2$, the results have been advanced as the recommended data set.
299	For 100% KCl, the departures from the recommended data set are: 1080 K, -0.1%, 1120 K, -0.1%.
300	For 100% KCl, the departures from the recommended data set are: 1060 K, +0.7%, 1100 K, +0.7%.
301	For both 100% KCl and 100% NaBr at 1073 K, the departure from the recommended data set is, respectively, -1.2% and -0.8%.
302	For 100% NaCl, the results are in exact accord with the recommended data set.
303	For 100% KCl, the results have been advanced as the recommended data set.
304	for 100% $PbCl_2$ the departures from the recommended data set are: 830 K 0.20%, 880 K 0.30%
305	For 100% NaI, the departures from the recommended data set are: 950 K, -0.3%, 1070 K, -0.1%.
306	For 100% KCl, the departures from the recommended data set are: 1060 K, +0.7%, 1100 K, +0.7%.
307	For 100% $Na_2B_4O_7$ at 1223 K, the departure from the recommended data set is 0.0%.
308	For 100% KCl, the departures from the recommended data set are: 1122 K 0.8%, 1212 K 0.7%.
309	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
310	For 100% KCl, the departures from the recommended data set are: 1122 K 0.8%, 1212 K 0.7%.
311	For both 100% RbBr and 100% KCl at 1073 K, the departure from the recommended data set is, respectively, +0.4% and -1.2%.
312	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.1%, 1230 K, +0.3%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
313	For 100% KCl, the departures from the recommended data set are: 1060 K, 0.0%, 1210 K, +0.05%.
314	For 100% $SrCl_2$, the departures from the recommended data set are: 1150 K, -0.4%, 1290 K, -0.2%.
315	For 100% KCl, the departures from the recommended data set are: 1100 K, -1.3%, 1320 K, -0.6%.
316	For 100% $ThCl_4$, the results have been advanced as the recommended data set.
317	For 100% KCl, the departures from the recommended data set are: 1075 K -0.2%, 1173 K -0.3%.
318	For 100% UCl_3, the results have been advanced as the recommended data set.
319	For 100% KCl, the departures from the recommended data set are: 1090 K, -2.9%, 1290 K, -2.2%.
320	For 100% UCl_4, the results have been advanced as the recommended data set.
321	For 100% $ZnCl_2$, the results have been advanced as the recommended data set.
322	For 100% KCl, the departures from the recommended data set are: 1060 K, +0.5%, 1210 K, +0.4%.
323	Insufficient details for firm estimate. Based on principles of the method, possibly 2.5%
324	Insufficient details for firm estimate. Based on the principles of the method, possibly 2.5%.
325	Insufficient details for firm estimate. Based on the principles of the method, possibly 2.5%.
326	Insufficient details for a firm estimate. Based on the principles of the method, possibly 2.5%.
327	For 100% KNO_3, the departures from the recommended data set are: 620 K, -0.05%, 800 K, -0.17%.
328	For 100% $LiClO_4$, the departures from the recommended data set are: 540 K, +0.2%, 630 K, -0.05%.
329	For 100% $LiNO_3$, the departures from the recommended data set are: 540 K, -0.5%, 680 K, +0.6%.
330	For 100% $NaNO_3$, the departures from the recommended data set are: 600 K, 0.0%, 680 K, -0.7%.
331	For 100% KI, the departures from the recommended data set are: 1010 K, +0.4%, 1090 K, +0.4%.
332	For 100% KF, the departures from the recommended data set are: 1150 K, +0.4%, 1250 K, +0.2%.
333	For 100% K_2ZrF_6, the results have been advanced as the recommended data set.
334	For 100% KF, the departures from the recommended data set are: 1230 K, -2.3%, 1250 K, -2.5%.
335	For 100% KF, the departures from the recommended data set are: 1140 K, -3.2%, 1350 K, -3.1%.
336	For 100% LiF, the departures from the recommended data set are: 1140 K, -5.7%, 1340 K, -4.3%.
337	For 100% KF, the departures from the recommended data set are: 1140 K, -3.2%, 1350 K, -3.1%.
338	For 100% KF, the departures from the recommended data set are: 1140 K, -0.1%, 1250 K, -0.2%.
339	For 100% NaCl at 1073 K, the departure from the recommended data set is -0.4%.
340	For 100% NaF, the departures from the recommended data set are: 1280 K, -2.4%, 1350 K, -2.3%.
341	For 100% KF, the departures from the recommended data set are: 1140 K, -3.2%, 1350 K, -3.1%.
342	For 100% $Na_2B_4O_7$ at 1223 K, the departure from the recommended data set is +0.05%.
343	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, +0.9%, 1350 K, +0.8%
344	For 100% KF, the departures from the recommended data set are: 1140 K, -3.2%, 1350 K, -3.1%.
345	For 100% KF, the departures from the recommended data set are: 1140 K, -3.2%, 1350 K, -3.1%.
346	For 100% KF, the departures from the recommended data set are: 1140 K, -3.2%, 1350 K, -3.1%.
347	For 100% KF, the departures from the recommended data set are: 1140 K, -3.2%, 1350 K, -3.1%.
348	For 100% KF at 1233 K, the departure from the recommended data set is -2.6%.
349	For 100% LaI_3, the results have been advanced as the recommended data set.
350	For 100% KI, the departures from the recommended data set are: 1030 K, +0.03%, 1180 K, +0.4%.
351	For 100% LiI, the departures from the recommended data set are: 770 K, +3.0%, 910 K, +3.8%.
352	For 100% KI, the departures from the recommended data set are: 1000 K, -0.6%, 1160 K, +0.2%.
353	For 100% NaCl, the departures from the recommended data set are: 1090 K, 0.0%, 1200 K, -0.2%.
354	For 100% KI, the departures from the recommended data set are: 970 K, +0.29%, 1070 K, +0.25%.
355	For 100% NaI, the departures from the recommended data set are: 960 K, -0.12%, 1130 K, -0.3%.
356	For 100% KI, the departures from the recommended data set are: 970 K, -0.3%, 1190 K, -0.04%.
357	For 100% NdI_3, the results have been advanced as the recommended data set.
358	For 100% KI, the departures from the recommended data set are: 1030 K, +0.03%, 1180 K, +0.4%.
359	For 100% PbI_2, the results have been advanced as the recommended data set.
360	For 100% KI, the departures from the recommended data set are: 980 K, -0.3%, 1190 K, -0.04%.
361	For 100% RbI, the departures from the recommended data set are: 950 K, -0.02%, 1120 K, -0.11%.
362	For 100% KI, the departures from the recommended data set are: 990 K, -0.7%, 1170 K, +0.2%.
363	For 100% TlI, the departures from the recommended data set are: 820 K, -4.8%, 970 K, -2.2%.
364	For 100% KI, the departures from the recommended data set are: 813 K, -3.2%, 970 K, +4.0%.
365	For 100% KNO_3, the departures from the recommended data set are: 620 K, 0.0%, 730 K, +0.1%.
366	For 100% KNO_2, the results have been advanced as the recommended data set.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
367	For 100% KNO_2, the departures from the recommended data set are: 720 K, -0.6%, 900 K, +1.4%.
368	For 100% KNO_2, the departures from the recommended data set are: 720 K, -0.6%, 900 K, +1.4%.
369	For 100% $NaNO_2$, the departures from the recommended data set are: 580 K, -0.4%, 770 K, +0.6%.
370	For 100% KNO_2, the results have been advanced as the recommended data set.
371	For 100% $NaNO_3$, the departures from the recommended data set are: 595 K, +0.6%, 760 K, +0.5%.
372	For 100% KNO_2, the results have been advanced as the recommended data set.
373	For 100% KOH, the departures from the recommended data set are: 680 K, +0.06%, 820 K, +0.11%.
374	For 100% KNO_3, the departures from the recommended data set are: 620 K, -8.6%, 770 K, -9.0%.
375	For 100% KNO_3, the departures from the recommended data set are: 620 K, -0.9%, 820 K, -0.4%.
376	For 100% KNO_3, the departures from the recommended data set are: 620 K, -0.9%, 800 K, -0.1%.
377	For 100% $LiClO_4$, the departures from the recommended data set are: 520 K, -0.05%, 680 K, +0.26%.
378	For 100% KNO_3, the departures from the recommended data set are: 630 K, 0.0%, 730 K, -0.05%.
379	For 100% $LiNO_3$, the departures from the recommended data set are: 560 K, +1.2%, 690 K, 0.0%.
380	For 100% KNO_3, the departures from the recommended data set are: 635 K, +1.2%, 725 K, -0.1%.
381	For 100% KNO_3, the departures from the recommended data set are: 620 K, 0.0%, 690 K, -0.2%.
382	For 100% KNO_3, the departures from the recommended data set are: 590 K, 0.0%, 690 K, -0.05%.
383	For 100% $NaNO_2$, the departures from the recommended data set are: 580 K, -0.4%, 760 K, +0.6%.
384	For 100% KNO_3, the departures from the recommended data set are: 625 K, 0.0%, 730 K, +0.1%.
385	For 100% $NaNO_3$, the departures from the recommended data set are: 625 K, +0.1%, 720 K, +0.3%.
386	For 100% KNO_3, the departures from the recommended data set are: 625 K, +0.1%, 720 K, +0.2%.
387	For 100% $Na_2Cr_2O_7$ at 693 K, the data point has been advanced as the recommended data set. For 100% KNO_3 at 693 K, the departure from the recommended data set is -0.2%.
388	For 100% KNO_3, the departures from the recommended data set are: 620 K, +0.2%, 730 K, +0.4%.
389	For 100% $RbNO_3$, the departures from the recommended data set are: 595 K, -0.3%, 730 K, -0.2%.
390	For 100% KNO_3, the departures from the recommended data set are: 635 K, +0.7%, 720 K, +0.5%.
391	For 100% KNO_3, the departures from the recommended data set are: 620 K, 0.0%, 690 K, -0.2%.
392	For 100% KOH, the results have been advanced as the recommended data set.
393	For 100% KPO_3, the departures from the recommended data set are: 1020 K, -0.04%, 1170 K, -0.3%.
394	For 100% KPO_3, the departures from the recommended data set are: 1070 K, -0.1%, 1130 K, -0.2%.
395	For 100% KPO_3 at 1123 K, the departure from the recommended data set is -1.0%.
396	For 100% KPO_3, the departures from the recommended data set are: 1120 K, -0.8%, 1220 K, -1.5%.
397	For 100% $Zn(PO_3)_2$, the results have been advanced as the recommended data set.
398	For 100% KPO_3, the departures from the recommended data set are: 1150 K, -0.1%, 1350 K, +0.1%.
399	For 100% NaSCN, the departures relative to the recommended data set are: 600 K, -1.8%; 620 K, -3.0%
400	For 100% KSCN, the departures relative to the recommended data set are: 480 K, -0.04%; 550 K, -0.06%
401	For 100% V_2O_5, the departures from the recommended data set are: 980 K, +0.6%, 1250 K, +2.7%.
402	For 100% KVO_3, the results have been advanced as the recommended data set.
403	The data point at 1123 K for 100% $K_2B_4O_7$ has been advanced as recommended data.
404	The data point for 100% $K_2B_4O_7$ at 1123 K has been advanced as recommended data.
405	For 100% LiCl, the departures from the recommended data set are: 900 K, +0.07%, 1070 K, -0.1%.
406	For 100% LiF, the departures from the recommended data set are: 1140 K, -0.4%, 1320 K, +0.1%.
407	For 100% Li_2CO_3, the departures from the recommended data set are: 1030 K, +0.4%, 1130 K, -0.06%.
408	For 100% K_2CO_3, the departures from the recommended data set are: 1190 K, +0.05%, 1250 K, +0.03%.
409	For 100% Li_2SO_4, the departures from the recommended data set are: 1150 K, -0.5%, 1220 K, -1.1%.
410	For 100% K_2CO_3, the departures from the recommended data set are: 1180 K, -0.3%, 1220 K, -0.1%.
411	For 100% Na_2CO_3, the departures from the recommended data set are: 1140 K, -1.3%, 1240 K, -1.4%.
412	For 100% K_2CO_3, the departures from the recommended data set are: 1190 K, +0.05%, 1260 K, +0.03%.
413	For 100% $K_2Cr_2O_7$ and 100% $NaNO_3$ at 693 K, the departures from the recommended data sets are, respectively, +1.3% and +1.6%.
414	For 100% Li_2MoO_4, the departures from the recommended data set are: 1020 K, -2.2%, 1140 K, -2.6%.
415	For 100% K_2MoO_4, the departures from the recommended data set are: 1210 K, -0.9%, 1280 K, -0.5%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
416	For 100% MoO_3, the results have been advanced as the recommended data set.
417	For 100% K_2MoO_4, the departures from the recommended data set are: 1210 K, +5.1%, 1280 K, +5.8%.
418	For 100% Li_2CO_3, the departures from the recommended data set are: 1020 K, -0.2%, 1120 K, +0.2%.
419	For 100% K_2SO_4, the departures from the recommended data set are: 1350 K, +0.1%, 1400 K, -0.1%.
420	For 100% Na_2SO_4, the departures from the recommended data set are: 1180 K, +0.06%, 1320 K, +0.5%.
421	For 100% Li_2WO_4, the results have been advanced as the recommended data set.
422	For 100% K_2WO_4, the departures from the recommended data set are: 1210 K, -0.23%, 1300 K, -0.26%.
423	For 100% K_2WO_4, the departures from the recommended data set are: 1210 K, +0.2%, 1320 K, +0.3%.
424	For 100% NaCl, the departures from the recommended data set are: 1080 K, -0.5%, 1150 K, -1.0%.
425	For 100% K_2ZrF_6, the results have been advanced as the recommended data set.
426	For 100% Li_3AlF_6, the departures from the recommended data set are: 1070 K, -0.16%, 1220 K, -1.6%.
427	For 100% K_3AlF_6, the departures from the recommended data set are: 1280 K, +3%, 1330 K, +2.8%
428	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, +0.9%, 1350 K, +0.8%
429	For 100% K_3AlF_6, the results have been advanced as the recommended data set
430	For 100% LiCl, the departures from the recommended data set are: 880 K, +0.07%, 1060 K, -0.1%.
431	For 100% NaCl, the departures from the recommended data set are: 1140 K, 0.0%, 1250 K, +0.3%.
432	For 100% LiF, the departures from the recommended data set are: 1130 K, -5.7%, 1350 K, -4.3%.
433	For 100% NaF, the departures from the recommended data set are: 1280 K, -2.4%, 1350 K, -2.3%.
434	For 100% LiCl, the departures from the recommended data set are: 980 K, 0.0%, 1080 K, -0.1%.
435	For 100% LiBr, the departures from the recommended data set are: 825 K, -1.3%, 1080 K, -1.4%.
436	For 100% LiF, the departures from the recommended data set are: 1130 K, -0.2%, 1260 K, +0.3%.
437	For 100% LiBr, the departures from the recommended data set are: 880 K, -1.0%, 1280 K, -0.04%.
438	For 100% LiI, the departures from the recommended data set are: 760 K, +1.9%, 1100 K, +2.7%.
439	For 100% LiBr, the departures from the recommended data set are: 825 K, -1.3%, 1100 K, -1.4%.
440	For 100% NaBr, the departures from the recommended data set are: 1050 K, -0.2%, 1220 K, -0.3%.
441	For 100% RbBr, the departures from the recommended data set are: 980 K, -0.03%, 1140 K, 0.0%.
442	For 100% LiF, the departures from the recommended data set are: 1130 K, -0.2%, 1260 K, +0.3%.
443	For 100% LiCl, the departures from the recommended data set are: 940 K, 0.0%, 1260 K, -0.75%.
444	For 100% LiI, the departures from the recommended data set are: 710 K, +1.9%, 1110 K, +2.7%.
445	For 100% LiCl, the departures from the recommended data set are: 900 K, +0.07%, 1110 K, -0.1%.
446	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
447	For 100% LiCl, the departures from the recommended data set are: 910 K, -0.3%, 1050 K, -0.7%.
448	For 100% $MnCl_2$, the departures from the recommended data set are: 940 K, +0.2%, 1020 K, -0.4%.
449	For 100% LiCl, the departures from the recommended data set are: 1060 K, 0.00%, 1120 K, 0.00%.
450	For 100% NaCl, the results are in exact accord with the recommended data set.
451	For 100% LiCl, the departures from the recommended data set are: 880 K, -0.3%, 1070 K, -0.2%.
452	For 100% $Na_2B_4O_7$ at 1223 K, the departure from the recommended data set is 0.0%.
453	For 100% $PbCl_2$, the departures from the recommended data set are: 873 K, +0.2%, and 973 K, +0.5%.
454	For 100% RbCl, the results are in exact accord with the recommended data set.
455	For 100% LiCl, the departures from the recommended data set are: 880 K, -0.3%, 1070 K, -0.2%.
456	For 100% LiCl, the departures from the recommended data set are: 953 K, 2.0% and 1054 K, 2.0%.
457	For 100% UCl_4, the results have been advanced as the recommended data set.
458	For 100% LiCl, the departures from the recommended data set are: 890 K, +0.1%, 1050 K, +1.7%.
459	For 100% $ZnCl_2$, the departures from the recommended data set are: 700 K, +0.2%, 740 K, +0.2%.
460	For 100% LiCl, the departures from the recommended data set are: 900 K, -0.4%, 920 K, -0.4%.
461	For 100% $LiClO_3$, the results have been advanced as the recommended data set.
462	For 100% $LiClO_3$, the results have been advanced as the recommended data set.
463	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, -0.6%, 690 K, -0.04%.
464	For 100% $LiClO_4$, the results have been advanced as the recommended data set.
465	For 100% $LiClO_4$, the departures from the recommended data set are: 550 K, +0.2%, 630 K, -0.05%.
466	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, 0.0%, 680 K, -0.7%.
467	For 100% $LiClO_4$, the departures from the recommended data set are: 540 K, 0.0%, 680 K, +0.3%.
468	For 100% LiI, the departures from the recommended data set are: 760 K, +1.8%, 1260 K, +3.2%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
469	For 100% LiF, the departures from the recommended data set are: 1130 K, -0.2%, 1260 K, +0.3%.
470	For 100% NaF, the departures from the recommended data set are: 1280 K, 0.00%, 1320 K, 0.00%.
471	For 100% LiF, the departures from the recommended data set are: 1130 K, -0.2%, 1320 K, +0.06%.
472	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, +0.3%, 1320 K, +0.5%.
473	For 100% LiF, the departures from the recommended data set are: 1130 K, -0.2%, 1320 K, +0.06%.
474	For 100% LiF, the departures from the recommended data set are: 1130 K, -5.7%, 1340 K, -4.3%.
475	For 100% ThF_4, the departures from the recommended data set are: 1400 K, +2.7%, 1500 K, +2.6%.
476	For 100% LiF, the departures from the recommended data set are: 1140 K, -0.1%, 1360 K, 0.0%.
477	For 100% LiF, the departures from the recommended data set are: 1130 K, -5.7%, 1340 K, -4.3%.
478	For 100% LiF, the departures from the recommended data set are: 1140 K, -5.7%, 1340 K, -4.3%.
479	For 100% NaI, the departures from the recommended data set are: 950 K, -0.12%, 1070 K, -0.4%.
480	For 100% LiI, the departures from the recommended data set are: 770 K, +3.0%, 910 K, +3.8%.
481	For 100% RbI, the departures from the recommended data set are: 940 K, -0.02%, 1090 K, -0.10%.
482	For 100% LiI, the departures from the recommended data set are: 770 K, +3.0%, 910 K, +3.8%.
483	For 100% LiOH, the results have been advanced as the recommended data set.
484	For 100% $LiNO_3$, the departures from the recommended data set are: 540 K, -1.5%, 690 K, -1.4%.
485	For 100% $LiNO_3$, the departures from the recommended data set are: 540 K, -0.5%, 680 K, +0.6%.
486	For 100% $NaNO_3$, the departures from the recommended data set are: 600 K, +0.1%, 740 K, -0.5%.
487	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, +1.2%, 690 K, 0.0%.
488	For 100% $RbNO_3$, the departures from the recommended data set are: 600 K, -0.3%, 730 K, -0.2%.
489	For 100% $TlNO_3$, the departures from the recommended data set are: 530 K, +0.1%, 670 K, +0.3%.
490	For 100% $LiNO_3$, the departures from the recommended data set are: 530 K, +0.7%, 670 K, +0.4%.
491	For 100% $LiPO_3$, the departures from the recommended data set are: 1080 K, +5.9%, 1240 K, +9.6%.
492	For 100% Na_2CO_3, the departures from the recommended data set are: 1140 K, -1.3%, 1240 K, -1.4%.
493	For 100% Li_2CO_3, the departures from the recommended data set are: 1020 K, -0.2%, 1130 K, +0.2%.
494	For 100% MoO_3, the results have been advanced as the recommended data set.
495	For 100% Li_2MoO_4, the departures from the recommended data set are: 1020 K, -2.2%, 1140 K, -2.6%.
496	For 100% Na_2MoO_4, the departures from the recommended data set are: 960 K, -1.2%, 1120 K, -2.4%.
497	For 100% Li_2MoO_4, the results have been advanced as the recommended data set.
498	For 100% $NaPO_3$, the results have been advanced as the recommended data set.
499	For 100% Tl_2SO_4, the results have been advanced as the recommended data set.
500	For 100% $ZnSO_4$, the results have been advanced as the recommended data set.
501	For 100% Na_2WO_4, the departures from the recommended data set are: 980 K, -3.0%, 1140 K, -3.5%.
502	For 100% Li_2WO_4, the results have been advanced as the recommended data set.
503	For 100% Li_2WO_4, the departures from the recommended data set are: 1040 K, +1.1%, 1160 K, +1.1%.
504	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, +0.3%, 1320 K, +0.5%.
505	For 100% Li_3AlF_6, the results have been advanced as the recommended data set.
506	For 100% Li_3AlF_6, the departures from the recommended data set are: 1080 K, -0.16%, 1220 K, -1.6%.
507	For 100% NaCl, the departures from the recommended data set are: 1090 K, +0.3%, 1170 K, +0.5%.
508	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
509	For 100% RbCl, the departures from the recommended data set are: 1010 K, +0.06%, 1170 K, +0.16%.
510	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
511	For 100% Na_3AlF_6 at 1273 K, the departure from the recommended data set is 0.0%.
512	For 100% NaCl, the departures from the recommended data set are: 1089 K -0.1%, 1220 K -0.07%.
513	For 100% $MnCl_2$, the departures from the recommended data set are: 969 K 0.1%, 1088 K -0.3%.
514	For 100% RbCl, the departures from the recommended data set are: 1039 K +0.1%, 1102 K +0.09%.
515	For 100% $MnCl_2$, the departures from the recommended data set are: 969 K 0.1%, 1088 K -0.3%
516	For 100% MoO_3, the departures from the recommended data set are: 1080 K, -3.8%, 1170 K, -3.4%.
517	For 100% NaCl, the results are in exact agreement with the recommended data set.
518	For 100% NaBr, the departures from the recommended data set are: 1050 K, -0.2%, 1220 K, -0.3%.
519	For 100% NaI, the departures from the recommended data set are: 960 K, -0.12%, 1120 K, -0.1%.
520	For 100% NaBr, the departures from the recommended data set are: 1050 K, -0.2%, 1220 K, -0.3%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
521	For 100% Na_2CrO_4, the results have been advanced as the recommended data set.
522	For 100% NaBr, the departures from the recommended data set are: 1040 K, -3.1%, 1110 K, -2.0%.
523	For 100% $PbBr_2$ at 873 K, the departure from the recommended data set is -0.6%.
524	For 100% RbBr, the departures from the recommended data set are: 980 K, -0.03%, 1180 K, 0.0%.
525	For 100% NaBr, the departures from the recommended data set are: 1050 K, -0.2%, 1220 K, -0.3%.
526	For 100% TlBr, the departures from the recommended data set are: 1020 K, -0.09%, 1060 K, -0.2%.
527	For 100% NaBr, the departures from the recommended data set are: 1040 K, +0.09%, 1110 K, -0.47%.
528	For 100% NaF at 1173 K, the departure from the recommended data set is -3.8%.
529	For 100% NaCl at 1173 K, the departure from the recommended data set is -1.5%.
530	For 100% NaI, the departures from the recommended data set are: 960 K, -0.12%, 1130 K, -0.09%.
531	For 100% NaCl, the results are in exact accord with the recommended data set.
532	For 100% $NaNO_3$, the departures from the recommended data set are: 600 K, +0.3%, 720 K, -0.4%.
533	For 100% NaOH at 693 K, the departure from the recommended data set is +0.06%.
534	For 100% NaCl, the departures from the recommended data set are: 1080 K, -2.7%, 1150 K, -1.8%.
535	For 100% Na_2TiF_6, the results have been advanced as the recommended data set.
536	For 100% Na_2ZrF_6 at 1173 K, the value has been advanced as the recommended data set. For 100% NaCl at 1173 K, the departure from the recommended data set is -1.5%.
537	For 100% Na_3AlF_6 at 1273 K, the departure from the recommended data set is 0.00%.
538	For 100% $Na_4P_2O_7$, the results have been advanced as the recommended data set.
539	For 100% NaCl, the departures from the recommended data set are: 1080 K, -0.5%, 1350 K, -0.5%.
540	For 100% NaCl, the departures from the recommended data set are: 1111 K 0.5%, 1294 K 0.2%.
541	For 100% $PbCl_2$, the results are in exact accord with the recommended data set.
542	For 100% NaCl, the departures from the recommended data set are: 1111 K 0.5%, 1294 K 0.2%.
543	For 100% RbCl, the departures from the recommended data set are: 1010 K, -0.1%, 1230 K, +0.3%.
544	For 100% NaCl, the departures from the recommended data set are: 1090 K, +0.2%, 1170 K, -0.5%.
545	For 100% $SrCl_2$, the departures from the recommended data set are: 1170 K, -0.5%, 1270 K, -0.05%.
546	For 100% NaCl, the departures from the recommended data set are: 1095 K, -0.5%, 1270 K, -0.9%.
547	For 100% $ThCl_4$, the results have been advanced as the recommended data set.
548	For 100% NaCl, the departures from the recommended data set are: 1080 K, -0.5%, 1170 K, -0.2%.
549	For 100% UCl_4, the results have been advanced as the recommended data set.
550	For 100% $ZnCl_2$, the results have been advanced as the recommended data set.
551	For 100% NaCl, the departures from the recommended data set are: 1080 K, -0.1%, 1230 K, -0.2%.
552	For 100% $NaClO_3$, the results have been advanced as the recommended data set.
553	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, 0.0%, 680 K, -0.7%.
554	For 100% $RbC_2H_3O_2$, the results have been advanced as the recommended data set.
555	For 100% $NaC_2H_3O_2$, the results have been advanced as the recommended data set.
556	For 100% Na_2ZrF_6, the results have been advanced as the recommended data set.
557	For 100% Na_3AlF_6, the results have been advanced as the recommended data set.
558	For 100% NaF, the departures from the recommended data set are: 1260 K, +0.5%, 1340 K, +0.7%.
559	For 100% NaF, the departures from the recommended data set are: 1280 K, -2.4%, 1340 K, -2.3%.
560	For 100% NaF, the departures from the recommended data set are: 1280 K, -2.4%, 1340 K, -2.3%.
561	For 100% NaF, the departures from the recommended data set are: 1280 K, -2.4%, 1340 K, -2.3%.
562	For 100% NaF, the departures from the recommended data set are: 1280 K, -2.4%, 1340 K, -2.3%.
563	For 100% NaF at 1323 K, the departure from the recommended data set is -0.8%.
564	For 100% NdI_3, the results have been advanced as the recommended data set.
565	For 100% NaI, the departures from the recommended data set are: 960 K, +1.2%, 1120 K, +1.8%.
566	For 100% RbI, the departures from the recommended data set are: 950 K, -0.02%, 1120 K, -0.11%.
567	For 100% NaI, the departures from the recommended data set are: 960 K, -0.12%, 1120 K, -0.09%.
568	For 100% $NaNO_3$, the departures from the recommended data set are: 595 K, -0.2%, 760 K, 0.0%.
569	For 100% $NaNO_2$, the departures from the recommended data set are: 580 K, -0.4%, 760 K, +0.6%.
570	For 100% Na_2MoO_4, the departures from the recommended data set are: 960 K, +3.0%, 1120 K, +1.7%.
571	For 100% $NaNO_2$, the departures from the recommended data set are: 580 K, +0.06%, 820 K, +5.3%.
572	For 100% Na_2WO_4, the departures from the recommended data set are: 970 K, +3.0%, 1110 K, +4.0%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
573	For 100% $NaNO_2$, the departures from the recommended data set are: 620 K, -0.04%, 820 K, +4.7%.
574	For 100% NaOH, the departures from the recommended data set are: 600 K, +0.9%, 820 K, -0.7%.
575	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, -11%, 750 K, -13%.
576	For 100% Na_2MoO_4, the departures from the recommended data set are: 970 K, +3.0%, 1090 K, +1.6%.
577	For 100% $NaNO_3$, the departures from the recommended data set are: 630 K, +0.9%, 810 K, +1.7%.
578	For 100% Na_2WO_4, the departures from the recommended data set are: 970 K, +3.4%, 1110 K, +3.9%.
579	For 100% $NaNO_3$, the departures from the recommended data set are: 630 K, +1.7%, 830 K, +1.8%.
580	For 100% $NaNO_3$, the departures from the recommended data set are: 600 K, +0.3%, 730 K, +0.4%.
581	For 100% $RbNO_3$, the departures from the recommended data set are: 600 K, -0.3%, 730 K, -0.2%.
582	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, 0.0%, 740 K, -0.3%.
583	For 100% $TlNO_3$, the departures from the recommended data set are: 490 K, +0.09%, 620 K, +0.15%.
584	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, +0.8%, 640 K, 0.0%.
585	For 100% NaOH, the results have been advanced as the recommended data set.
586	For 100% $NaPO_3$, the results have been advanced as the recommended data set.
587	For 100% $NaPO_3$, the departures from the recommended data set are: 980 K, -0.7%, 1120 K, -0.1%.
588	For 100% $NaPO_3$, the departures from the recommended data set are: 1000 K, -0.6%, 1120 K, -0.1%.
589	For 100% $NaPO_3$ at 1123 K, the departure from the recommended data set is +12%.
590	For 100% $NaPO_3$, the results have been advanced as the recommended data set.
591	For 100% $NaPO_3$, the results have been advanced as the recommended data set.
592	For 100% $NaPO_3$, the departures from the recommended data set are: 980 K, -1.0%, 1270 K, -3.4%.
593	For 100% $Zn(PO_3)_2$, the results have been advanced as the recommended data set.
594	For 100% $NaPO_3$, the departures from the recommended data set are: 1130 K, +0.4%, 1300 K, +5.1%.
595	For 100% V_2O_5, the results have been advanced as the recommended data set.
596	For 100% $NaVO_3$, the departures from the recommended data set are: 920 K, +0.06%, 1160 K, +1.0%.
597	The data point for 100% $Na_2B_4O_7$ at 1123 K has been advanced as recommended data.
598	The data point for 100% $Na_2B_4O_7$ at 1123 K has been advanced as recommended data.
599	For 100% $Na_2B_4O_7$, the departures from the recommended data set are: 1070 K, -1.9%, 1270 K, -2.0%.
600	For 100% $ZnSO_4$, the results have been advanced as the recommended data set.
601	For 100% Na_2WO_4, the departures from the recommended data set are: 990 K, +0.8%, 1140 K, +0.3%.
602	For 100% Rb_3AlF_6, the results have been advanced as the recommended data set.
603	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, -2.0%, 1320 K, -1.5%.
604	For 100% Na_3AlF_6 at 1273 K, the departure from the recommended data set is 0.00%.
605	For 100% $Na_4P_2O_7$, the departures from the recommended data set are: 1290 K, -1.2%, 1370 K, -1.2%.
606	For 100% $TaCl_5$, the results have been advanced as the recommended data set.
607	For 100% $NbCl_5$, the departures from the recommended data set are: 485 K -2.1%, 598K -0.06%.
608	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
609	For 100% $PbBr_2$, the results have been advanced as the recommended data set.
610	For 100% PbS, the results have been advanced as the recommended data set.
611	For 100% $PbCl_2$, the departures from the recommended data set are: 773 K, +0.8%, 923 K, +0.6%.
612	For 100% RbCl, the departures from the recommended data set are: 1030 K, +0.1%, 1190 K, +0.3%.
613	For 100% $PbCl_2$, the departures from the recommended data set are: 1030 K, 0.00%, 1060 K, +0.03%.
614	For 100% TlCl, the departures from the recommended data set are: 730 K, -0.09%, 780 K, +0.02%.
615	For 100% $PbCl_2$, the departures from the recommended data set are: 790 K, +0.1%, 870 K, +0.04%.
616	For 100% $ZnCl_2$, the departures from the recommended data set are: 760 K, -0.27%, 820 K, -0.09%.
617	For 100% $PbCl_2$, the departures from the recommended data set are: 790 K, -0.15%, 820 K, -0.26%.
618	For 100% PbO, the results have been advanced as the recommended data set.
619	For 100% $PbMoO_4$, the departures from the recommended data set are: 1390 K, -2.2%, 1470 K, -1.8%.
620	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.1%, 1230 K, +0.3%.
621	For 100% RbBr, the departures from the recommended data set are: 980 K, -0.03%, 1140 K, 0.00%.
622	For 100% RbI, the departures from the recommended data set are: 950 K, -0.02%, 1120 K, -0.11%.

Table 2.1.b Density data reliability statements (continued)

Number	Reliability estimates
623	For 100% RbBr, the departures from the recommended data set are: 980 K, -0.03%, 1180 K, 0.00%.
624	For 100% TlBr, the departures from the recommended data set are: 970 K, +0.13%, 1030 K, -0.04%.
625	For 100% RbBr, the departures from the recommended data set are: 970 K, +0.2%, 1030 K, +0.3%.
626	For 100% RbI, the departures from the recommended data set are: 950 K, -0.02%, 1120 K, -0.11%.
627	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.1%, 1230 K, +0.3%.
628	For 100% UCl_4, the results have been advanced as the recommended data set.
629	For 100% RbCl, the departures from the recommended data set are: 1010 K, -0.07%, 1030 K, -0.3%.
630	For 100% $ZnCl_2$, the departures from the recommended data set are: 700 K, +0.2%, 740 K, +0.2%.
631	For 100% RbCl, the departures from the recommended data set are: 1040 K, +0.4%, 1100 K, +0.7%.
632	For 100% $TlNO_3$, the departures from the recommended data set are: 490 K, +0.09%, 620 K, +0.15%.
633	For 100% $RbNO_3$, the departures from the recommended data set are: 600 K, +0.5%, 640 K, +0.6%.
634	For 100% SbI_3, the results have been advanced as the recommended data set.
635	For 100% $SbBr_3$, the results have been advanced as the recommended data set.
636	For 100% $SbCl_5$, the results have been advanced as the recommended data set.
637	For 100% $SbCl_3$, the results have been advanced as the recommended data set.
638	For 100% $ZnCl_2$, the departures from the recommended data set are: 630 K, -0.06%, 760 K, +1.4%.
639	For 100% $SnCl_2$, the departures from the recommended data set are: 550 K, -1.5%, 600 K, -1.6%.
640	For 100% $TiCl_4$, the departures from the recommended data set are: 295 K, +0.3%, 330 K, +0.3%.
641	For 100% $SnCl_4$, the departures from the recommended data set are: 295 K, -0.4%, 330 K, -0.1%.
642	For 100% TlCl, the departures from the recommended data set are: 780 K, +0.12%, 920 K, -0.08%.
643	For 100% TlBr, the departures from the recommended data set are: 790 K, +0.6%, 920 K, +0.07%.
644	For 100% TlI, the departures from the recommended data set are: 740 K, -0.4%, 1170 K, -0.03%.
645	For 100% TlBr, the departures from the recommended data set are: 740 K, -0.3%, 1170 K, -0.8%.
646	For 100% $ZnCl_2$, the departures from the recommended data set are: 630 K, -0.06%, 720 K, +0.1%.
647	For 100% TlCl, the departures from the recommended data set are: 730 K, -0.09%, 780 K, +0.02%.
648	For 100% $TlNO_3$, the departures from the recommended data set are: 510 K, -0.8%, 550 K, -0.5%.
649	For 100% $TlNO_2$, the results have been advanced as the recommended data set.

Table 2.1.c Density data comments

Flag	Comment
a	The previous evaluation is correct and still holds as the recommended data base. Accuracy limits have been upgraded in light of the Molten Salts Standards Program.
b	The equation in the previous evaluation is incorrect.
c	There are new data but they do not change the recommended equation or uncertainty.
d	There are new data and together with the results of the Molten Salts Standards Program, a shift from the previous evaluation is recommended. The new correlation equation is listed herewith.
e	The previously recommended data have been refitted to a linear correlation function.
f	The previously recommended data have been refitted to an exponential correlation function.
g	The previously reported results were graphical. These correlations were digitized and refitted to the equations herewith.
i	The previously reported results have been upgraded.
k	Systems not included in the previous work.
l	Some of the numerical property values in the previous recommended data tables have been found to be incorrect. The correlation equations are correct.
m	The previously recommended correlation has been replaced by the polynomial herewith.
n	The previously recommended data base has been refitted to a polynomial correlation equation.
o	These compositions are: Equivalent Percent.
p	Measurements in the recommended work include results at super-atmospheric pressures.
q	Results upgraded and supplemented with new input.
u	Compositions are: Weight Percent.
v1	Modest density increase with increasing temperature was reported.
z	The amounts of NaCl and KCl were fixed at the equi-molar ratio (1:1) throughout this series of measurements.

Table 2.1.d Density data references

Number	Reference
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Table 2.2.a Surface Tension data

(mol %)	Surface Tension ($mN\ m^{-1}$) Equation	T range(K)	Accur.	Ref.	Comment
	AgBr				
100	g = 171.3 - 0.025 T	733-893	±1%	1	a,j
	AgBr-AgCl				
0-100	g = 216.4 - 0.052 T	733-973	(1)	2	a,e
10-90	g = 205.23 - 0.04182 T	773-883		2	a,e
20-80	g = 198.41 - 0.03727 T	773-883		2	a,e
30-70	g = 192.6 - 0.03364 T	773-883		2	a,e
40-60	g = 187.69 - 0.0309 T	773-883		2	a,e
50-50	g = 181.37 - 0.02636 T	773-883		2	a,e
60-40	g = 177.67 - 0.02455 T	773-883		2	a,e
70-30	g = 174.07 - 0.02273 T	773-883		2	a,e
80-20	g = 170.06 - 0.02 T	773-883		2	a,e
90-10	g = 167.25 - 0.01818 T	773-883		2	a,e
100-0	g = 171.3 - 0.025 T	733-893	(2)	2	a,e
	AgBr-AgI				
0-100	g = 134.08 - 0.023 T	773-873	(3)	2	a,e
10-90	g = 140.04 - 0.028 T	773-873		2	a,e
20-80	g = 142.44 - 0.028 T	773-873		2	a,e
30-70	g = 148.34 - 0.032 T	773-873		2	a,e
40-60	g = 152.21 - 0.033 T	773-873		2	a,e
50-50	g = 158.03 - 0.036 T	773-873		2	a,e
60-40	g = 164.05 - 0.039 T	773-873		2	a,e
70-30	g = 167.27 - 0.038 T	773-873		2	a,e
80-20	g = 169.26 - 0.035 T	773-873		2	a,e
90-10	g = 168.25 - 0.028 T	773-873		2	a,e
100-0	g = 171.3 - 0.025 T	733-893	(4)	2	a,e
	AgBr-KBr				
20-80	g = 173.83 - 0.07999 T	973-1023		3	a,e
30-70	g = 174.83 - 0.07999 T	973-1023		3	a,e
40-60	g = 155.37 - 0.05999 T	973-1023		3	a,e
50-50	g = 156.37 - 0.05999 T	973-1023		3	a,e
60-40	g = 158.37 - 0.05999 T	973-1023		3	a,e
70-30	g = 162.37 - 0.05999 T	973-1023		3	a,e
80-20	g = 189.82 - 0.07998 T	973-1023		3	a,e
90-10	g = 203.83 - 0.07999 T	973-1023		3	a,e
100-0	g = 171.3 - 0.025 T	733-1023	(5)	3	a,e
	AgBr-KCl				
0-100	g = 172.39 - 0.071 T	1070-1180	(6)	2	a
10-90	g = 183.89 - 0.0837 T	1080-1140		2	a
20-80	g = 176.04 - 0.075 T	1010-1120		2	a
30-70	g = 175.43 - 0.0742 T	990-1090		2	a
40-60	g = 172.93 - 0.0687 T	880-1060		2	a
50-50	g = 172.46 - 0.066 T	830-1030		2	a
60-40	g = 176.5 - 0.0679 T	770-960		2	a
70-30	g = 173.61 - 0.0596 T	690-900		2	a
90-10	g = 179.66 - 0.0505 T	690-920		2	a
100-0	g = 188.9 - 0.0399 T	730-1000	(7)	2	a
	AgBr-NaBr				
0-100	g = 173.472 - 0.068195 T	1060-1180	(8)	3	a
10-90	g = 186.48 - 0.078221 T	1020-1180		3	a
30-70	g = 183.874 - 0.072324 T	980-1120		3	a
50-50	g = 178.118 - 0.061527 T	960-1120		3	a
70-30	g = 180.177 - 0.055568 T	840-1020		3	a
80-20	g = 190.705 - 0.060253 T	840-1000		3	a
90-10	g = 186.921 - 0.048467 T	780-1000		3	a
100-0	g = 188.918 - 0.039969 T	760-1000	(9)	3	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation Surface Tension (mN m^{-1})	T range(K)	Accur.	Ref.	Comment
	AgBr-NaCl				
0-100	g = 211.509 - 0.090033 T	1100-1200	(10)	2	a
10-90	g = 206.472 - 0.086371 T	1060-1180		2	a
20-80	g = 212.169 - 0.090857 T	1060-1160		2	a
30-70	g = 190.282 - 0.071089 T	1020-1140		2	a
50-50	g = 189.783 - 0.066856 T	980-1100		2	a
70-30	g = 204.214 - 0.075125 T	940-1080		2	a
80-20	g = 207.201 - 0.075435 T	900-1020		2	a
90-10	g = 211.933 - 0.073619 T	940-1020		2	a
100-0	g = 188.918 - 0.039969 T	760-1000	(11)	2	a
	AgCl				
100	g = 216.4 - 0.052 T	733-973	±1%	1	a,j
	AgCl-KBr				
0-100	g = 167.9 - 0.0753 T	1030-1140	(12)	2	a
10-90	g = 167.51 - 0.0734 T	1040-1120		2	a
20-80	g = 163.67 - 0.0682 T	1000-1140		2	a
30-70	g = 168.95 - 0.0705 T	940-1080		2	a
40-60	g = 180.67 - 0.0789 T	910-1030		2	a
50-50	g = 165.85 - 0.0593 T	810-860		2	a
64.9-35.1	g = 180.73 - 0.0646 T	710-900		2	a
70-30	g = 186.08 - 0.0662 T	680-870		2	a
80-20	g = 194.69 - 0.0672 T	690-870		2	a
90-10	g = 198.28 - 0.0573 T	720-870		2	a
100-0	g = 224.6 - 0.0564 T	740-970	(13)	2	a
	AgCl-KCl				
40-60	g = 177.11 - 0.07 T	873-973		4	a,e
50-50	g = 189.84 - 0.08 T	873-973		4	a,e
60-40	g = 194.84 - 0.08 T	873-973		4	a,e
70-30	g = 192.11 - 0.07 T	873-973		4	a,e
80-20	g = 199.11 - 0.07 T	873-973		4	a,e
90-10	g = 191.65 - 0.05 T	873-973		4	a,e
100-0	g = 216.4 - 0.052 T	733-973	(14)	4	a,e
	AgCl-NaBr				
0-100	g = 173.472 - 0.068195 T	1060-1180	(15)	2	a
10-90	g = 184.798 - 0.076632 T	1040-1160		2	a
30-70	g = 181.924 - 0.068341 T	1040-1160		2	a
50-50	g = 203.302 - 0.079272 T	1020-1160		2	a
70-30	g = 208.835 - 0.07349 T	920-1060		2	a
80-20	g = 204.73 - 0.060369 T	880-1060		2	a
90-10	g = 213.316 - 0.059036 T	780-960		2	a
100-0	g = 224.601 - 0.056412 T	740-960	(16)	2	a
	AgCl-$PbCl_2$				
0-100	g = 214.3 - 0.1 T	773-973	(17)	4	a,g
10-90	g = 215.3 - 0.1 T	773-873		4	a,g
20-80	g = 208.57 - 0.09 T	773-873		4	a,g
30-70	g = 210.57 - 0.09 T	773-873		4	a,g
40-60	g = 212.57 - 0.09 T	773-873		4	a,g
50-50	g = 215.57 - 0.09 T	773-873		4	a,g
60-40	g = 210.84 - 0.08 T	773-873		4	a,g
70-30	g = 215.84 - 0.08 T	773-873		4	a,g
80-20	g = 205.38 - 0.06 T	773-873		4	a,g
90-10	g = 204.65 - 0.05 T	773-873		4	a,g
100-0	g = 216.4 - 0.052 T	733-973	(18)	4	a,g
For additional AgCl systems, see : AgBr-					
	AgI				
100	g = 134.08 - 0.023 T	773-873	±1%	2	a,e

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation Surface Tension (mN m⁻¹)	T range(K)	Accur.	Ref.	Comment
	$AgNO_3$				
100	g = 179.2 - 0.0613 T	495-625	±1%	1	a,j
	$AgNO_3$-$CsNO_3$				
25-75	g = 146.6 - 0.075 T	580-670		5	a,e
50-50	g = 150 - 0.072 T	490-670		5	a,e
67.5-32.5	g = 159.6 - 0.08 T	445-670		5	a,e
75-25	g = 160 - 0.073 T	445-670		5	a,e
90-10	g = 168.1 - 0.072 T	460-670		5	a,e
	$AgNO_3$-KNO_3				
0-100	g = 148.1642 - 0.0635443 T	520-820	(19)	5	a,e
10-90	g = 150.4489 - 0.0635443 T	460-820		5	a,e
20-80	g = 151.9213 - 0.0635443 T	440-820		5	a,e
30-70	g = 152.9633 - 0.0635443 T	420-820		5	a,e
40-60	g = 153.9571 - 0.0635443 T	420-820		5	a,e
50-50	g = 155.2848 - 0.0635443 T	440-820		5	a,e
60-40	g = 157.3285 - 0.0635443 T	480-820		5	a,e
63-37	g = 158.1384 - 0.0635443 T	500-820		5	a,e
70-30	g = 160.4704 - 0.0635443 T	520-820		5	a,e
80-20	g = 165.0926 - 0.0635443 T	560-820		5	a,e
90-10	g = 171.5771 - 0.0635443 T	600-820		5	a,e
100-0	g = 180.3062 - 0.0635443 T	640-820	(20)	5	a,e
	$AgNO_3$-$LiNO_3$				
0-100	g = 144.9 - 0.055 T	570-670	(21)	5	a,e
10-90	g = 152.4391 - 0.0645621 T	520-670		5	a,e
20-80	g = 154.4689 - 0.0645621 T	520-670		5	a,e
30-70	g = 156.7762 - 0.0645621 T	505-670		5	a,e
40-60	g = 159.361 - 0.0645621 T	490-670		5	a,e
50-50	g = 162.2234 - 0.0645621 T	475-670		5	a,e
60-40	g = 165.3633 - 0.0645621 T	475-670		5	a,e
70-30	g = 168.7808 - 0.0645621 T	460-670		5	a,e
75-25	g = 170.5936 - 0.0645621 T	460-670		5	a,e
80-20	g = 172.4758 - 0.0645621 T	460-670		5	a,e
90-10	g = 176.4483 - 0.0645621 T	475-670		5	a,e
100-0	g = 180.698 - 0.06456 T	490-670	(22)	5	a,e
	$AgNO_3$-$NaNO_3$				
0-100	g = 153.99 - 0.06 T	590-673	(23)	5	a,e
10-90	g = 157.9714 - 0.065391 T	580-680		5	a,e
19.5-80.5	g = 158.848 - 0.065391 T	505-670		5	a,e
20-80	g = 158.9044 - 0.065391 T	580-670		5	a,e
30-70	g = 160.2474 - 0.065391 T	565-670		5	a,e
40-60	g = 162.0004 - 0.065391 T	550-670		5	a,e
50-50	g = 164.1634 - 0.065391 T	535-670		5	a,e
60-40	g = 166.7363 - 0.065391 T	520-670		5	a,e
70-30	g = 169.7192 - 0.065391 T	520-670		5	a,e
80-20	g = 173.1121 - 0.065391 T	505-670		5	a,e
90-10	g = 176.915 - 0.065391 T	490-670		5	a,e
100-0	g = 181.1279 - 0.065391 T	490-670	(24)	5	a,e
	$AgNO_3$-$RbNO_3$				
0-100	g = 156.976 - 0.0830003 T	500-680	(25)	5	a
25-75	g = 155.036 - 0.0769998 T	460-640		5	a
50-50	g = 156.844 - 0.0730002 T	420-620		5	a
75-25	g = 162.524 - 0.0699998 T	440-620		5	a
90-10	g = 170.416 - 0.0687427 T	480-660		5	a
100-0	g = 181.731 - 0.0659999 T	600-780	(26)	5	a,e

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m^{-1}) Equation	T range(K)	Accur.	Ref.	Comment
	$AgPO_3$				
100	g = 137.2 + 0.0716 T	760-775	n.a.	6	a
	$AlCl_3$				
100	g = 42.4 - 0.0704 T	470-590	n.a.	1	a,j
	AlF_3-NaF				
0-100	g = 289.6 - 0.082 T	1275-1350	(27)	7	a
13.6-86.4	g = 304.5 - 0.113 T	1275-1350		7	a
19.0-81.0	g = 328.8 - 0.14 T	1275-1350		7	a
21.9-78.1	g = 309.3 - 0.13 T	1275-1350		7	a
25.0-75.0	g = 297 - 0.128 T	1275-1350		7	a
27.4-72.6	g = 262.5 - 0.106 T	1275-1350		7	a
	Al_2O_3				
100	(T=2323 K, g=690)		±7%	1	a,j
	Al_2O_3-CaF_2				
35-0 Al_2O_3	g = 256.2 - 0.485 C	1873	(28)	8	a
	Al_2O_3-KF-Na_3AlF_6				
0-0-100	g = 311.27 - 0.138 T	1273-1373	(29)	9	k
1.3-45.6-53.1	g = 280.999 - 0.119073 T	1255-1345		9	k
1.8-13.0-85.2	g = 292.489 - 0.126807 T	1276-1355		9	k
4.6-32.3-63.1	g = 261.278 - 0.106332 T	1224-1354		9	k
4.7-8.3-87.0	g = 278.168 - 0.116577 T	1275-1364		9	k
5.2-47.7-47.1	g = 254.15 - 0.102298 T	1200-1356		9	k
5.6-39.6-54.8	g = 253.337 - 0.101469 T	1225-1354		9	k
8.6-15.3-76.1	g = 263.064 - 0.106643 T	1248-1352		9	k
11.2-22.6-66.2	g = 246.992 - 0.095686 T	1229-1355		9	k
11.7-31.1-57.2	g = 244.662 - 0.095327 T	1219-1346		9	k
12.2-38.2-49.6	g = 238.875 - 0.092149 T	1190-1353		9	k
18.5-29.9-51.6	g = 232.105 - 0.085339 T	1216-1344		9	k
18.5-21.7-59.8	g = 237.626 - 0.0884067 T	1219-1354		9	k
18.6-11.8-69.6	g = 250.759 - 0.097365 T	1234-1356		9	k
	Al_2O_3-Li_2CO_3				
100-93 Li_2CO_3	g = - 8753.7 + 188.04 C - 0.981 C^2	1038	(30)	8	a
	Al_2O_3-Na_3AlF_6				
0-100	g = 297 - 0.128 T	1273-1353	(31)	8	a
0-100	g = 311.27 - 0.138 T	1273-1373	(32)	9	k
8.78-91.22	g = 257.76 - 0.09902 T	1270-1350		8	a
9.8-90.2	g = 266.923 - 0.107985 T	1272-1360		9	k
18.6-81.4	g = 262.261 - 0.105202 T	1245-1363		9	k
18.62-81.38	g = 272.76 - 0.11504 T	1270-1350		8	a
22.7-77.3	g = 256.18 - 0.100824 T	1322-1445		9	k
26.6-73.4	g = 258.39 - 0.102369 T	1325-1424		9	k
26.66-73.34	g = 298.29 - 0.13006 T	1270-1350		8	a
	$BaBr_2$				
100	g = 225.2 - 0.0644 T	1138-1282	±1%	1	a,j
	$BaBr_2$-CsBr				
0-100 $BaBr_2$	g = 69.326 + 0.1742 C + 0.018391 C^2 - 4.008 x 10^{-4} C^3 + 2.8268 x 10^{-6} C^4	1123	(33)	3	a,n
	$BaBr_2$-KBr				
0-100 $BaBr_2$	g = 83.14 + 0.2706 C + 0.011617 C^2 - 2.1045 x 10^{-4} C^3 + 1.3699 x 10^{-6} C^4	1123	(34)	3	a,n
	$BaBr_2$-NaBr				
0-100 $BaBr_2$	g = 96.979 + 0.4911 C + 6.5272 x 10^{-4} C^2	1123	(35)	3	a,n
	$BaBr_2$-RbBr				
0-100 $BaBr_2$	g = 77.11 - 0.3196 C + 0.006093 C^2 - 1.52 x 10^{-4} C^3 + 1.339 x 10^{-6} C^4	1123	(36)	3	a,n

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
	$BaCl_2$				
100	g = 218.26 - 0.03973 T	1240-1360		4	d,i
	$BaCl_2$-$CaCl_2$				
0-100	g = 205.83 - 0.0561 T	1070-1140	(37)	4	a
25.0-75.0	g = 203.69 - 0.047 T	930-1070		4	a
40-60	g = 210.4 - 0.0501 T	880-1070		4	a
	$BaCl_2$-CsCl				
0-100	g = 163.46 - 0.07841 T	940-1060	(38)	4	a
10-90	g = 162.6 - 0.0774 T	1080-1260		4	a
20-80	g = 159.4 - 0.0743 T	1080-1260		4	a
30-70	g = 157.4 - 0.0715 T	1080-1280		4	a
40-60	g = 157.4 - 0.0698 T	1120-1260		4	a
50-50	g = 157.6 - 0.0661 T	1100-1260		4	a
60-40	g = 161.5 - 0.064 T	1120-1260		4	a
70-30	g = 165.1 - 0.0612 T	1140-1280		4	a
80-20	g = 179.9 - 0.0584 T	1200-1300		4	a
90-10	g = 179.4 - 0.0427 T	1220-1320		4	a
100-0	g = 216.1 - 0.0381 T	1260-1360	(39)	4	a
	$BaCl_2$-KCl				
0-100	g = 171.1364 - 0.069911 T	1110-1190	(40)	4	a
3.9-96.1	g = 178.7136 - 0.075125 T	1100-1170		4	a
8.4-91.6	g = 163.2767 - 0.058786 T	1090-1160		4	a
13.5-86.5	g = 178.0157 - 0.070131 T	1100-1160		4	a
24.4-75.6	g = 180.4021 - 0.066294 T	1090-1160		4	a
29.4-70.6	g = 166.1773 - 0.052091 T	1090-1170		4	a
34.0-66.0	g = 175.6408 - 0.058798 T	1080-1160		4	a
37.3-62.7	g = 186.0652 - 0.06669 T	1100-1160		4	a
42.3-57.7	g = 168.9015 - 0.048698 T	1100-1170		4	a
47.7-52.3	g = 176.1607 - 0.052083 T	1100-1160		4	a
62.3-37.7	g = 224.625 - 0.084254 T	1130-1230		4	a
82.1-17.9	g = 233.9472 - 0.076421 T	1180-1260		4	a
100-0	g = 262.9968 - 0.078938 T	1260-1310	(41)	4	a
	$BaCl_2$-KF				
0-100	g = 246.17 - 0.0887 T	1173-1298	(42)	10	k
5-95	g = 197.93 - 0.0585 T	1073-1273		10	k
11-89	g = 199.94 - 0.0645 T	1073-1273		10	k
18-82	g = 193.33 - 0.0657 T	1073-1273		10	k
25-75	g = 179.46 - 0.059 T	1123-1323		10	k
33-67	g = 157.62 - 0.0459 T	1173-1323		10	k
43-57	g = 163.49 - 0.043 T	1173-1348		10	k
54-46	g = 182.52 - 0.056 T	1223-1373		10	k
67-33	g = 183.47 - 0.0504 T	1173-1373		10	k
82-18	g = 213.12 - 0.0581 T	1173-1373		10	k
100-0	g = 216.1 - 0.0381 T	1273-1373	(43)	10	k
	$BaCl_2$-$LaCl_3$				
10-90	g = 187.4 - 0.0526 T	1110-1260		4	a
25-75	g = 194.6 - 0.0526 T	1070-1260		4	a
40-60	g = 197.9 - 0.0493 T	1100-1280		4	a
50-50	g = 201 - 0.0476 T	1100-1270		4	a
55-45	g = 202.6 - 0.0465 T	1140-1270		4	a
70-30	g = 205.2 - 0.0419 T	1200-1290		4	a
86-14	g = 208.2 - 0.0375 T	1250-1320		4	a
	$BaCl_2$-LiCl				
0-100	g = 214.86 - 0.08294 T	880-1060	(44)	4	a
10.2-89.8	g = 216.2 - 0.0799 T	880-1060		4	a
25.0-75.0	g = 215.4 - 0.0792 T	960-1060		4	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Surface Tension (mN m^{-1})				
39.4-60.6	g = 215.2 - 0.0675 T	920-1060		4	a
53.3-46.7	g = 211 - 0.0582 T	1000-1060		4	a
67.7-32.3	g = 214.5 - 0.0528 T	1080-1160		4	a
85.0-15.0	g = 216.6 - 0.045 T	1160-1220		4	a
100-0	g = 218.26 - 0.03973 T	1240-1360	(45)	4	a
	$BaCl_2$-Li_2SO_4				
0-100	g = 300.08 - 0.064 T	1173-1373	(46)	8	a,e
5-95	g = 401.67 - 0.16 T	1273-1323		8	a,e
10-90	g = 497.52 - 0.24 T	1273-1323		8	a,e
30-70	g = 243.39 - 0.06 T	1273-1323		8	a,e
50-50	g = 290.32 - 0.1 T	1273-1323		8	a,e
75-25	g = 211.93 - 0.04 T	1273-1323		8	a,e
100-0	g = 251.39 - 0.06 T	1273-1323	(47)	8	a,e
	$BaCl_2$-$MgCl_2$				
0.0-100.0	g = 89 - 0.016 T	1030-1190	(48)	4	a
20.0-80.0	g = 121.4 - 0.035 T	1030-1190		4	a
40.0-60.0	g = 143.1 - 0.04 T	1030-1190		4	a
60.0-40.0	g = 164.2 - 0.041 T	1030-1190		4	a
75.0-25.0	g = 217.5 - 0.07 T	1030-1190		4	a
	$BaCl_2$-NaCl				
0-100	g = 191.2 - 0.072 T	1080-1240	(49)	4	a
20-80	g = 191.2 - 0.061 T	1070-1180		4	a,b,e
30-70	g = 178.3 - 0.048 T	1080-1190		4	a
50-50	g = 237.8 - 0.095 T	1080-1190		4	a,b,e
60-40	g = 210.7 - 0.059 T	1110-1240		4	a
70-30	g = 218.9 - 0.055 T	1170-1230		4	a,b,e
80-20	g = 235.5 - 0.067 T	1190-1230		4	a
100-0	g = 218.26 - 0.03973 T	1240-1360	(50)	4	a
	$BaCl_2$-NaF				
0-100	g = 304.6 - 0.0947 T	1273-1373	(51)	11	k
10-90	g = 211.9 - 0.04853 T	1173-1373		11	k
20-80	g = 203.3 - 0.05347 T	1173-1373		11	k
33-67	g = 191.5 - 0.0496 T	1173-1273		11	k
43-57	g = 187.5 - 0.0412 T	1173-1273		11	k
50-50	g = 195.3 - 0.0412 T	1173-1273		11	k
60-40	g = 213.4 - 0.0528 T	1173-1373		11	k
69-31	g = 230.1 - 0.0638 T	1173-1373		11	k
80-20	g = 220.9 - 0.0556 T	1173-1373		11	k
100-0	g = 216.1 - 0.0381 T	1273-1373	(52)	11	k
	$BaCl_2$-RbCl				
0-70 $BaCl_2$	g = 84.6224 + 0.8923 C - 0.017576 C^2 + 1.8415 x 10^{-4} C^3	1123	(53)	4	a,n
	BaFCl				
100	g = 211.8 - 0.0328 T	1323-1423		11	k
	BaFCl-KCl				
0-100	g = 167.01 - 0.0635 T	1073-1273	(54)	10	k
10-90	g = 167.77 - 0.0622 T	1073-1273		10	k
20-80	g = 166.04 - 0.0582 T	1073-1273		10	k
30-70	g = 160.07 - 0.0513 T	1073-1273		10	k
40-60	g = 160.51 - 0.0487 T	1073-1273		10	k
50-50	g = 183.45 - 0.0605 T	1123-1323		10	k
60-40	g = 167.19 - 0.0457 T	1173-1348		10	k
70-30	g = 187.45 - 0.0587 T	1223-1373		10	k
80-20	g = 185.5 - 0.0404 T	1273-1373		10	k
90-10	g = 215.3 - 0.0456 T	1323-1423		10	k
100-0	g = 211.8 - 0.0328 T	1323-1423	(55)	10	k

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension ($mN\ m^{-1}$) Equation	T range(K)	Accur.	Ref.	Comment
	BaFCl-NaCl				
0-100	g = 235.2 - 0.1076 T	1173-1373	(56)	11	k
20-80	g = 181.8 - 0.031 T	1073-1273		11	k
40-60	g = 166.7 - 0.0348 T	1073-1273		11	k
60-40	g = 176.2 - 0.0332 T	1173-1273		11	k
80-20	g = 191.9 - 0.0392 T	1273-1373		11	k
100-0	g = 211.8 - 0.0328 T	1323-1423	(57)	11	k
	BaF_2-$CaSiO_3$				
100-86 $CaSiO_3$	g = 1221 - 28.37 C + 0.21 C^2	1823	(58)	8	a
	BaF_2-KCl				
0-100	g = 167.01 - 0.0635 T	1073-1273	(59)	10	k
5-95	g = 164.52 - 0.0579 T	1073-1273		10	k
11-89	g = 164.92 - 0.0552 T	1073-1273		10	k
18-82	g = 169.72 - 0.0575 T	1073-1273		10	k
25-75	g = 161.86 - 0.0501 T	1123-1298		10	k
33-67	g = 156.92 - 0.0452 T	1123-1323		10	k
	BaF_2-NaCl				
0-100	g = 235.2 - 0.1076 T	1173-1373	(60)	11	k
10-90	g = 208.3 - 0.07673 T	1173-1373		11	k
20-80	g = 198.3 - 0.064 T	1173-1373		11	k
30-70	g = 182.1 - 0.04627 T	1173-1373		11	k
40-60	g = 207.5 - 0.06253 T	1173-1373		11	k
50-50	g = 197.1 - 0.04589 T	1173-1373		11	k
69-31	g = 219.8 - 0.0532 T	1173-1373		11	k
75-25	g = 230.7 - 0.06697 T	1173-1373		11	k
	BaI_2				
100	g = 177.2 - 0.042 T	1099-1231	±1%	1	a, j
	$Ba(NO_3)_2$				
100	g = 147.8 - 0.015 T	873-933	n.a.	1	a, j
	BaO-CaF_2				
18.65-81.35	(T=1823 K, g=258)			8	a
	$Ba(PO_3)_2$				
100	g = 244.7 - 0.0177 T	1175-1348	±1%	1	a, j
	$Ba(PO_3)_2$-KPO_3				
0-100	g = 208.4 - 0.0556 T	1132-1773	(61)	6	a
9.2-90.8	g = 174.68 - 0.0274 T	1180-1355		6	a
25-75	g = 220.54 - 0.0558 T	1180-1355		6	a
35-65	g = 203.53 - 0.0404 T	1180-1280		6	a
51-49	g = 219.41 - 0.044 T	1180-1300		6	a
67.2-32.8	g = 235.51 - 0.048 T	1200-1310		6	a
72.4-27.6	g = 210.72 - 0.0261 T	1180-1280		6	a
86.1-13.9	g = 264.04 - 0.0569 T	1180-1300		6	a
95-5	g = 222.49 - 0.0139 T	1180-1355		6	a
100-0	g = 244.7 - 0.0177 T	1175-1355	(62)	6	a
	BeF_2-LiF				
15-85	g = 340.8 + 0.12 T	1057-1216	±3%, (63)	12	k
25-75	g = 328.5 + 0.13 T	998-1115	±3%, (64)	12	k
33-67	g = 295.8 + 0.12 T	773-1073	±3%, (65)	12	d, k
37-63	(T=753.2 K, g=196)			7	a
50-50	g = 297.8 + 0.12 T	831-1067	±3%, (66)	12	k
67-33	g = 323.5 + 0.13 T	975-1059	±3%, (67)	12	k
	BeF_2-LiF-ThF_4				
11.8-70.6-17.6	g = 307.1 - 0.0984 T	1063-1124	±3%, (68)	13	k
18.2-54.5-27.3	g = 266.6 - 0.0446 T	1068-1110	±3%, (69)	13	k
22.3-44.4-33.3	g = 286.7 - 0.0886 T	1096-1126	±3%, (70)	13	k

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
25.0-50.0-25.0	$g = 354.9 - 0.168\,T$	1008-1121	±3%,(71)	13	k
28.6-57.1-14.3	$g = 373 - 0.192\,T$	924-1038	±3%,(72)	13	k
44.4-44.4-11.2	(T=1073 K, g=157.2)		±3%,(73)	13	k
	BeF_2-NaF				
37.0-63.0	$g = 338.3 - 0.165\,T$	780-1060		7	a
42.5-57.5	$g = 306.6 - 0.136\,T$	780-1060		7	a
42.9-57.1	$g = 278.1 - 0.116\,T$	780-1060		7	a
	$BiBr_3$				
100	$g = 122.647 - 0.1067\,T$	523-715	±3%	1	a,j
	$BiCl_3$				
100	$g = 136.09 - 0.12908\,T$	544-655	±3%	1	a,j
	$Bi_2(MoO_4)_3$				
100	$g = 249.98 - 0.091434\,T$	953-1033	n.a.	1	a,j
	$Bi_2(MoO_4)_3$-$PbMoO_4$				
0-100	$g = 237.11 - 0.066\,T$	1376-1398	(74)	6	a,b,e
19.6-80.4	$g = 252.36 - 0.073\,T$	1300-1320		6	a
40.0-60.0	$g = 244.05 - 0.072\,T$	1180-1220		6	a
62.2-37.8	$g = 247.49 - 0.0825\,T$	1020-1100		6	a,e
71.5-28.5	$g = 247.94 - 0.08\,T$	980-1060		6	a,e
78.7-21.3	$g = 237.97 - 0.077\,T$	960-1060		6	a
90-10	$g = 240.98 - 0.0765\,T$	1000-1080		6	a,e
100-0	$g = 240.64 - 0.0835\,T$	954-1033	(75)	6	a,e
	$Bi_2(WO_4)_3$				
100	$g = 328.816 - 0.099729\,T$	1150-1270	±1.5%	6	a
	$Bi_2(WO_4)_3$-$PbWO_4$				
0-100	$g = 279.39 - 0.07835\,T$	1413-1504	(76)	6	a,e
20-80	$g = 302.81 - 0.09088\,T$	1317-1403		6	a,e
40-60	$g = 320.97 - 0.10503\,T$	1207-1294		6	a,e
60-40	$g = 341.43 - 0.12025\,T$	1134-1265		6	a,e
73-27	$g = 285.4 - 0.07877\,T$	1123-1258		6	a,e
80-20	$g = 338.208 - 0.11685\,T$	1133-1234		6	a
100-0	$g = 328.816 - 0.099729\,T$	1145-1275	(77)	6	a
	B_2O_3				
100	$g = 37.9 + 0.0354\,T$	973-1673	±4%	1	a,c,j
	B_2O_3-Li_2CO_3				
100-90 Li_2CO_3	$g = 242.56 + 2.68\,C - 0.1042\,C^2$	1038	(78)	8	a
	B_2O_3-$Na_2B_4O_7$				
0-100	$g = 293.895 - 0.050966\,T$	1023-1223	(79)	8	a,e
20-80	$g = 280.15 - 0.05\,T$	1023-1223		8	a,e
50-50	$g = 248.92 - 0.04\,T$	1023-1223		8	a,e
70-30	$g = 235.92 - 0.04\,T$	1023-1223		8	a,e
	$CaBr_2$				
100	$g = 165.6 - 0.0459\,T$	1047-1082	±1%	1	a,j
	$CaCl_2$				
100	$g = 189 - 0.03952\,T$	1073-1219	±1.5%	14	k
100	$g = 195.67 - 0.045411\,T$	1085-1193	±1%	4	a,d,i
	$CaCl_2$-CsCl				
0.0-100.0	$g = 143.3111 - 0.06074\,T$	1040-1150	(80)	4	a
12.2-87.8	$g = 158.2487 - 0.070134\,T$	1040-1130		4	a
25.0-75.0	$g = 185.7609 - 0.092123\,T$	1120-1170		4	a
41.2-58.8	$g = 199.2852 - 0.09594\,T$	1270-1330		4	a
48.8-51.2	$g = 312.9067 - 0.178409\,T$	1330-1330		4	a
61.6-38.4	$g = 172.5632 - 0.066366\,T$	1290-1320		4	a
70.8-29.2	$g = 166.0696 - 0.056122\,T$	1250-1310		4	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
80.7-19.3	g = 173.5487 - 0.055056 T	1190-1290		4	a
86.9-13.1	g = 165.2924 - 0.042384 T	1070-1220		4	a
100.0-0.0	g = 178.1292 - 0.027173 T	1070-1180	(81)	4	a
	$CaCl_2$-KCl				
0.0-100.0	g = 175.5216 - 0.073168 T	1090-1150	(82)	4	a
7.2-92.8	g = 170.6846 - 0.067448 T	1070-1140		4	a
16.4-83.6	g = 182.5108 - 0.075773 T	1070-1150		4	a
42.2-57.8	g = 185.4227 - 0.071422 T	1050-1140		4	a
55.3-44.7	g = 181.3611 - 0.063498 T	1080-1140		4	a
55.5-44.5	g = 182.7049 - 0.063444 T	1070-1170		4	a
68.1-31.9	g = 183.5472 - 0.058969 T	1070-1170		4	a
77.4-22.6	g = 183.4629 - 0.055781 T	1050-1170		4	a
90.2-9.8	g = 186.2582 - 0.049863 T	1080-1170		4	a
100.0-0.0	g = 195.67 - 0.045411 T	1085-1193	(83)	4	a
	$CaCl_2$-KCl-$MgCl_2$				
20-20-60	g = 116.28 - 0.0331 T	1081-1193		15	k
20-40-40	g = 136.89 - 0.04731 T	1084-1173		15	k
20-60-20	g = 143.48 - 0.04743 T	1085-1221		15	k
40-40-20	g = 146.24 - 0.04662 T	1078-1204		15	k
40-20-40	g = 131.42 - 0.03728 T	1079-1198		15	k
60-20-20	g = 156.06 - 0.04683 T	1096-1177		15	k
	$CaCl_2$-LiCl				
0-100 $CaCl_2$	g = 116.53 + 0.2521 C + 4.6851 x 10^{-4} C^2	1073	(84)	4	a,n
	$CaCl_2$-$MgCl_2$				
0.0-100.0	g = 65.3426 - 0.003073 T	1010-1160	(85)	4	a
13.3-86.7	g = 75.8703 - 0.006668 T	1090-1170		4	a
16.6-83.4	g = 79.0134 - 0.007645 T	1080-1150		4	a
34.6-65.4	g = 93.4904 - 0.011054 T	1100-1180		4	a
47.0-53.0	g = 106.8475 - 0.014831 T	1090-1170		4	a
65.4-34.6	g = 128.3171 - 0.018706 T	1090-1170		4	a
84.8-15.2	g = 160.5346 - 0.030646 T	1080-1170		4	a
100.0-0.0	g = 195.67 - 0.045411 T	1085-1193	(86)	4	a
	$CaCl_2$-$MgCl_2$-NaCl				
20-40-40	g = 128.32 - 0.0329 T	1084-1204		15	k
20-20-60	g = 160.2 - 0.0533 T	1089-1188		15	k
20-60-20	g = 99.39 - 0.01573 T	1103-1198		15	k
40-20-40	g = 144.68 - 0.03596 T	1079-1188		15	k
40-40-20	g = 129.09 - 0.0295 T	1087-1216		15	k
60-20-20	g = 145.66 - 0.03118 T	1089-1208		15	k
	$CaCl_2$-NaCl				
0-100	g = 193.96 - 0.07259 T	1095-1169	(87)	15	d,g
9.1-90.9	g = 200.86 - 0.07893 T	1078-1158		15	d,g
15-85	g = 199.4 - 0.07639 T	1079-1157		15	d,g
32.5-67.5	g = 200.41 - 0.07394 T	1080-1162		15	d,g
50.9-49.1	g = 204.32 - 0.07241 T	1075-1183		15	d,g
64.1-35.9	g = 193.02 - 0.05736 T	1081-1168		15	d,g
65-35	g = 196.92 - 0.06111 T	1086-1173		15	d,g
77.5-22.5	g = 186.65 - 0.04598 T	1088-1173		15	d,g
100-0	g = 195.67 - 0.045411 T	1085-1193	(88)	15	d,g
	$CaCl_2$-$PrCl_3$				
0-100	g = 146.1 - 0.03729 T	1103-1199	±1.5%,(89)	14	k
14-86	g = 148.6 - 0.03867 T	1113-1213	±1.5%	14	k
29-71	g = 152.7 - 0.03941 T	1143-1213	±1.5%	14	k
44.4-55.6	g = 178.6 - 0.05555 T	1143-1213	±1.5%	14	k
57-43	g = 198.5 - 0.0663 T	1138-1203	±1.5%	14	k
71-29	g = 185.3 - 0.05213 T	1123-1213	±1.5%	14	k

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension ($mN\ m^{-1}$) Equation	T range(K)	Accur.	Ref.	Comment
80-20	$g = 212.7 - 0.06986\ T$	1153-1203	±1.5%	14	k
100-0	$g = 188.971 - 0.03952\ T$	1073-1219	±1.5%,(90)	14	k
	$CaCl_2$-RbCl				
0-100 $CaCl_2$	$g = 88.69 - 0.1617\ C + 0.015919\ C^2 - 2.0322 \times 10^{-4}\ C^3 + 1.1869 \times 10^{-6}\ C^4$	1073	(91)	4	a,n
For additional $CaCl_2$ systems, see : $BaCl_2$-					
	CaF_2				
100	$g = 1604.6 - 0.72\ T$	1670-1880	±4%	8	k
	CaF_2-CaO				
52.0-48.0	(T=1773 K, g=440)			8	a
62.5-37.5	(T=1773 K, g=430)			8	a
69.3-30.7	(T=1753 K, g=420)			8	a
85.5-14.5	(T=1723 K, g=410)			8	a
100-0	(T=1773 K, g=400)		(92)	8	a
	CaF_2-$CaSiO_3$				
100-88 $CaSiO_3$	$g = 1560.2 - 31.962\ C + 0.212\ C^2$	1823	(93)	8	a
	CaF_2-MgO				
82-18	$g = 381.4 - 0.0624\ T$	1570-1870		8	a
91-9	$g = 405.7 - 0.0791\ T$	1570-1870		8	a
	CaF_2-$Na_2B_4O_7$				
85-55 $Na_2B_4O_7$	$g = 126.7 + 2.725\ C - 0.0157\ C^2$	1223		8	a
	CaF_2-SiO_2				
64.3-35.7	(T=1823 K, g=350)			8	a
75.4-24.6	(T=1793 K, g=360)			8	a
83.4-16.6	(T=1750 K, g=285)			8	a
87.3-12.7	(T=1773 K, g=390)			8	a
	CaF_2-TiO_2				
70.6-29.4	(T=1833 K, g=350)			8	a
80.5-19.5	(T=1833 K, g=380)			8	a
90.2-9.8	(T=1793 K, g=390)			8	a
	CaF_2-V_2O_5				
93-7	$g = 764.826 - 0.30984\ T$	1570-1750		8	a,e
98-2	$g = 667.963 - 0.2384\ T$	1690-1870		8	a,e
	CaF_2-ZrO_2				
78.6-21.4	(T=1813 K, g=380)			8	a
86.3-13.7	(T=1793 K, g=390)			8	a
90.0-10.0	(T=1823 K, g=267)			8	a
93.5-6.5	(T=1753 K, g=400)			8	a
For additional CaF_2 systems, see : Al_2O_3- ; BaO-					
	CaI_2				
100	$g = 103.4 - 0.0173\ T$	1068-1325	±1%	1	a,j
	$Ca(NO_3)_2$				
100	(T=833.16 K, g=101.5)		n.a.	1	a,j
	$Ca(NO_3)_2$-$CsNO_3$				
0-100	$g = 141.6 - 0.073\ T$	693-783	(94)	5	a,e
15-85	$g = 133.9 - 0.0639\ T$	639-723		5	a,e
25-75	$g = 133 - 0.063\ T$	618-723		5	a,e
30-70	$g = 132.4 - 0.0618\ T$	604-704		5	a,e
35-65	$g = 133.6 - 0.0661\ T$	598-723		5	a,e
55-45	$g = 136.9 - 0.064\ T$	604-721		5	a,e
60-40	$g = 141 - 0.0682\ T$	642-698		5	a,e
	$Ca(NO_3)_2$-KNO_3				
0-100	$g = 154.2 - 0.073\ T$	620-770	(95)	5	a
8.11-91.89	$g = 146.8 - 0.0634\ T$	590-710		5	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m^{-1}) Equation	T range(K)	Accur.	Ref.	Comment
17.65-82.35	g = 147 - 0.06 T	530-690		5	a
29.60-71.40	g = 146.4 - 0.0637 T	450-710		5	a
33.34-66.66	g = 145.4 - 0.062 T	490-690		5	a
42.86-57.14	g = 146.3 - 0.0625 T	530-690		5	a
48.15-51.85	g = 148.3 - 0.065 T	600-680		5	a
53.85-46.15	g = 150.2 - 0.0669 T	640-710		5	a
60-40	g = 150.9 - 0.067 T	690-700		5	a
	$Ca(NO_3)_2$-$NaNO_3$				
0-100	g = 150.1 - 0.059 T	588-723	(96)	5	a,e
5.27-94.73	g = 147.9 - 0.0561 T	583-703		5	a,e
11.12-88.88	g = 145.7 - 0.0526 T	572-700		5	a,e
17.68-81.32	g = 146.2 - 0.053 T	548-683		5	a,e
25.00-75.00	g = 148.1 - 0.0553 T	540-689		5	a,e
29.79-70.21	g = 149.2 - 0.0563 T	520-704		5	a,e
37.93-62.07	g = 152.1 - 0.0601 T	586-690		5	a,e
46.00-54.00	g = 151.3 - 0.0584 T	637-690		5	a,e
	CaO				
For CaO systems, see : CaF_2-					
	$Ca(PO_3)_2$				
100	g = 243.6 - 0.0108 T	1280-1383	±4%	1	a,j
	$Ca(PO_3)_2$-$NaPO_3$				
0-100	g = 237.02 - 0.0488 T	1080-1420	(97)	6	a
5.28-94.72	g = 235.91 - 0.0469 T	1080-1420		6	a
11.12-88.88	g = 239.6 - 0.0487 T	1080-1420		6	a
17.66-82.34	g = 239.57 - 0.0475 T	1080-1420		6	a
25.01-74.99	g = 239.35 - 0.0456 T	1080-1420		6	a
33.32-66.68	g = 237.77 - 0.042 T	1080-1420		6	a
42.96-57.04	g = 236.42 - 0.0455 T	1080-1420		6	a
53.89-46.11	g = 254.46 - 0.0471 T	1080-1420		6	a
66.66-33.34	g = 253.53 - 0.0404 T	1080-1420		6	a
81.81-18.19	g = 255.36 - 0.0332 T	1080-1420		6	a
100-0	g = 266.35 - 0.0262 T	1270-1420	(98)	6	a
	$CaSiO_3$				
100	g = 361.3 + 0.021 T	1803-1893	n.a.	1	a,j
	$CaSiO_3$-KF				
100-85 $CaSiO_3$	g = 5838.5 - 132.53 C + 0.7898 C^2	1823	(99)	8	a
	$CaSiO_3$-LiF				
95-85 $CaSiO_3$	g = 43.61 + 2.554 C + 0.01859 C^2	1823		8	a
	$CaSiO_3$-MgF_2				
100-85 $CaSiO_3$	g = - 1634.1 + 38.38 C - 0.172 C^2	1823	(100)	8	a
	$CaSiO_3$-NaF				
100-80 $CaSiO_3$	g = 836.9 - 18.32 C + 0.1482 C^2	1823	(101)	8	a
For additional $CaSiO_3$ systems, see : BaF_2- ; CaF_2-					
	$CaSO_4$-Na_2SO_4				
0-100	g = 273.1 - 0.06912 T	1240-1460	(102)	6	a
10-90	g = 277.9 - 0.07206 T	1240-1460		6	a
20-80	g = 278 - 0.07026 T	1240-1460		6	a
30-70	g = 283.8 - 0.07185 T	1240-1460		6	a
40-60	g = 288.9 - 0.07281 T	1240-1460		6	a
50-50	g = 297.9 - 0.07607 T	1240-1460		6	a
55-45	g = 306.5 - 0.0805 T	1240-1460		6	a
60-40	g = 317.5 - 0.08664 T	1240-1460		6	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
	$CdBr_2$				
100	g = 93.38 - 0.0314 T	908-1048	±1%	1	a,j
	$CdBr_2$-$CdCl_2$				
0-100	g = 106.5 - 0.026 T	873-973	(103)	2	a,e
10-90	g = 105.75 - 0.028 T	873-973		2	a,e
20-80	g = 101.7 - 0.026 T	873-973		2	a,e
30-70	g = 99.701 - 0.026 T	873-973		2	a,e
40-60	g = 97.701 - 0.026 T	873-973		2	a,e
50-50	g = 94.152 - 0.024 T	873-973		2	a,e
60-40	g = 94.299 - 0.026 T	873-973		2	a,e
70-30	g = 92.899 - 0.026 T	873-973		2	a,e
80-20	g = 91.699 - 0.026 T	873-973		2	a,e
90-10	g = 89.825 - 0.025 T	873-973		2	a,e
100-0	g = 91.072 - 0.027 T	873-973	(104)	2	a,e
	$CdBr_2$-KBr				
20.0-80.0	g = 156.46 - 0.0716 T	950-1090		3	a
25.5-74.5	g = 132.47 - 0.0544 T	870-1080		3	a
30.3-69.7	g = 127.55 - 0.0505 T	890-1100		3	a
40.0-60.0	g = 128.79 - 0.0584 T	780-1010		3	a
61.0-39.0	g = 130.14 - 0.0612 T	830-1090		3	a
80.2-19.8	g = 122.4 - 0.0576 T	830-1020		3	a
100-0	g = 93.38 - 0.0314 T	910-1040	(105)	3	a
	$CdBr_2$-KCl				
20.0-80.0	g = 142.4 - 0.056 T	980-1280		2	a
30.1-69.9	g = 138.4 - 0.057 T	920-1160		2	a
34.0-66.0	g = 139.7 - 0.061 T	940-1260		2	a
45.3-54.7	g = 128.8 - 0.0546 T	800-940		2	a
49.5-50.5	g = 131.3 - 0.0576 T	780-1000		2	a
60.0-40.0	g = 123.1 - 0.054 T	660-920		2	a
61.8-38.2	g = 114.8 - 0.0433 T	660-800		2	a
80.5-19.5	g = 98.5 - 0.0323 T	880-1080		2	a
100.0-0.0	g = 93.4 - 0.0314 T	920-1060	(106)	2	a
	$CdCl_2$				
100	g = 108.5 - 0.028 T	853-1194	±1.5%	1	a,j
	$CdCl_2$-KBr				
0-100	g = 157.8 - 0.0668 T	1080-1240	(107)	2	a
9.7-90.3	g = 146.8 - 0.0581 T	980-1180		2	a
19.7-80.3	g = 143.7 - 0.0579 T	900-1180		2	a
29.9-70.1	g = 140.2 - 0.059 T	860-1080		2	a
39.6-60.4	g = 121.5 - 0.042 T	760-940		2	a
50.1-49.9	g = 130.5 - 0.0516 T	760-900		2	a
59.6-40.4	g = 132.3 - 0.056 T	760-960		2	a
70.0-30.0	g = 126.7 - 0.0484 T	760-1080		2	a
92.2-7.8	g = 108.9 - 0.0288 T	860-1040		2	a
100-0	g = 108.5 - 0.028 T	853-1194	(108)	2	a
	$CdCl_2$-KCl				
20-80	g = 157.99 - 0.067 T	900-973		4	a,e
30-70	g = 147.88 - 0.06 T	873-973		4	a,e
40-60	g = 144.31 - 0.059 T	873-973		4	a,e
50-50	g = 141.63 - 0.058 T	873-973		4	a,e
60-40	g = 142.01 - 0.059 T	873-973		4	a,e
70-30	g = 138.89 - 0.056 T	873-973		4	a,e,r
	$CdCl_2$-NaCl				
40-60	g = 170.43 - 0.073 T	973-1073		4	a,e
50-50	g = 156.2 - 0.063 T	973-1073		4	a,e
60-40	g = 147.06 - 0.057 T	973-1073		4	a,e

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m^{-1}) Equation	T range(K)	Accur.	Ref.	Comment
70-30	g = 132.76 - 0.046 T	973-1073		4	a,e
80-20	g = 129.99 - 0.045 T	973-1073		4	a,e
90-10	g = 119.33 - 0.036 T	973-1073		4	a,e,r
	$CdCl_2$-$PbCl_2$				
0-100	g = 214.3 - 0.1 T	773-973	(109)	4	a,e
10-90	g = 203.19 - 0.093 T	873-973		4	a,e
20-80	g = 186.34 - 0.08 T	873-973		4	a,e
30-70	g = 177.48 - 0.075 T	873-973		4	a,e
40-60	g = 159.38 - 0.06 T	873-973		4	a,e
50-50	g = 151.02 - 0.055 T	873-973		4	a,e
60-40	g = 139.73 - 0.047 T	873-973		4	a,e
70-30	g = 124.56 - 0.035 T	873-973		4	a,e
80-20	g = 118.64 - 0.032 T	873-973		4	a,e
90-10	g = 108.63 - 0.025 T	873-973		4	a,e
100-0	g = 102.61 - 0.022 T	873-973	(110)	4	a,e
For additional $CdCl_2$ systems, see : $CdBr_2$-					
	$Cd(NO_3)_2$-$CsNO_3$				
20-80	g = 134.19 - 0.070989 T	510-630		5	a,e
30-70	g = 133.65 - 0.073852 T	460-630		5	a,e
39.4-60.6	g = 133.46 - 0.076248 T	450-630		5	a,e
40-60	g = 132.69 - 0.075101 T	460-630		5	a,e
50-50	g = 132.87 - 0.076969 T	520-630		5	a,e
60-40	g = 134.05 - 0.079029 T	540-630		5	a,e
70-30	g = 135.7 - 0.080003 T	550-630		5	a,e
	$Cd(NO_3)_2$-KNO_3				
0.0-100.0	g = 154.2 - 0.073 T	620-780	(111)	5	a
14.3-85.7	g = 150.1 - 0.0756 T	540-620		5	a
25.0-75.0	g = 150.1 - 0.081 T	460-620		5	a
29.96-70.04	g = 145.5 - 0.0759 T	480-620		5	a
33.34-66.66	g = 143.2 - 0.0731 T	480-620		5	a
45.46-54.54	g = 145.6 - 0.081 T	460-620		5	a
53.85-46.15	g = 144.6 - 0.0822 T	480-620		5	a
66.67-33.33	g = 142.8 - 0.0813 T	560-620		5	a
73.92-26.08	g = 142.3 - 0.0815 T	600-620		5	a
	$Cd(NO_3)_2$-$NaNO_3$				
0-100	g = 150.5 - 0.059 T	600-760	(112)	5	a,l
8.11-91.89	g = 150.5 - 0.0638 T	580-620		5	a,l
14.2-85.8	g = 149 - 0.0646 T	560-620		5	a,l
15.55-84.45	g = 151 - 0.0685 T	540-620		5	a,l
22.7-77.3	g = 150.1 - 0.0699 T	520-620		5	a,l
25.0-75.0	g = 149.7 - 0.0701 T	520-620		5	a,l
33.34-66.66	g = 147.9 - 0.0703 T	480-620		5	a,l
39.87-60.13	g = 147.1 - 0.0714 T	460-620		5	a,l
47.06-52.94	g = 144.2 - 0.0696 T	420-680		5	a,l
60-40	g = 145.5 - 0.0761 T	540-620		5	a,l
69.49-30.51	g = 143.7 - 0.0766 T	580-620		5	a,l
	$Cd(NO_3)_2$-$RbNO_3$				
0-100	g = 148.1 - 0.07 T	610-730	(113)	5	a
8.11-91.89	g = 145.2 - 0.073 T	550-610		5	a
15.61-84.39	g = 142.6 - 0.072 T	510-630		5	a
22.70-77.30	g = 143.4 - 0.0758 T	430-630		5	a
30.72-69.28	g = 138.8 - 0.075 T	490-630		5	a
33.34-66.66	g = 140.8 - 0.073 T	470-630		5	a
41.35-58.65	g = 139.7 - 0.0763 T	410-630		5	a
50.38-49.62	g = 137.7 - 0.075 T	490-630		5	a
66.67-33.33	g = 136.7 - 0.074 T	570-630		5	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
73.92-26.08	g = 135.9 - 0.073 T	590-630		5	a
	$Cd(PO_3)_2$				
100	g = 190.82 + 0.012 T	1170-1270	±4%	6	a
	$CeCl_3$-KCl*NaCl				
2.9-97.1	g = 155.092 - 0.0566 T	973-1123	(114)	16	k,z
6.3-93.7	g = 151.049 - 0.0552 T	973-1123		16	k
15.2-84.8	g = 153.903 - 0.06099 T	973-1123		16	k
	CsBr				
100	g = 141.52 - 0.06486 T	922-1185	±1.5%	17	k
	CsBr-CsCl				
12-88	g = 160.2 - 0.0761 T	930-1070		2	a
25-75	g = 157 - 0.0739 T	930-1070		2	a
37-63	g = 153.8 - 0.0715 T	930-1070		2	a
50-50	g = 151.1 - 0.0697 T	930-1070		2	a
63-37	g = 148.5 - 0.068 T	930-1070		2	a
75-25	g = 145.7 - 0.0659 T	930-1070		2	a
88-12	g = 143.1 - 0.064 T	930-1070		2	a
100-0	g = 141.4 - 0.063 T	930-1070	(115)	2	a
	CsBr-CsI				
0-100	g = 125.9 - 0.0567 T	930-1070	(116)	2	a
12-88	g = 127.4 - 0.0574 T	930-1070		2	a
25-75	g = 128.4 - 0.0573 T	930-1070		2	a
37-63	g = 130.2 - 0.0581 T	930-1070		2	a
50-50	g = 131.3 - 0.0581 T	930-1070		2	a
63-37	g = 134.3 - 0.0598 T	930-1070		2	a
75-25	g = 136.6 - 0.0609 T	930-1070		2	a
88-12	g = 139.2 - 0.0621 T	930-1070		2	a
100-0	g = 141.4 - 0.063 T	930-1070	(117)	2	a
	CsBr-KBr				
0-100	g = 165.4 - 0.073 T	1020-1120	(118)	3	a
25-75	g = 157.3 - 0.07 T	970-1170		3	a
50-50	g = 153.2 - 0.07 T	880-1170		3	a
75-25	g = 150.1 - 0.07 T	900-1170		3	a
100-0	g = 145.7 - 0.068 T	940-1100	(119)	3	a
	CsBr-LiBr				
40.1-60 LiBr	g = 79.968 - 0.2188 C + 0.0029893 C^2	1073		3	a,n
	CsBr-NaBr				
0-100	g = 175.3 - 0.07 T	1040-1120	(120)	3	a
25-75	g = 158.7 - 0.068 T	940-1140		3	a
50-50	g = 146.9 - 0.063 T	820-1140		3	a
75-25	g = 148.6 - 0.068 T	800-1140		3	a
100-0	g = 145.7 - 0.068 T	940-1100	(121)	3	a
For additional CsBr systems, see : $BaBr_2$-					
	CsCl				
100	g = 162.683 - 0.077392 T	936-1353	±0.5%	1	a,c,j
	CsCl-CsI				
0-100	g = 125.9 - 0.0567 T	930-1070	(122)	2	a
12-88	g = 128.3 - 0.0576 T	930-1070		2	a
25-75	g = 134.3 - 0.0619 T	930-1070		2	a
37-63	g = 138 - 0.0637 T	930-1070		2	a
50-50	g = 142.2 - 0.066 T	930-1070		2	a
63-37	g = 147.8 - 0.0694 T	930-1070		2	a
75-25	g = 152.6 - 0.072 T	930-1070		2	a
88-12	g = 158.2 - 0.0752 T	930-1070		2	a
	CsCl-Cs_2SO_4				
0-100	g = 193.3 - 0.062 T	1300-1450	(123)	8	a

Surface Tension ($mN\ m^{-1}$)

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension ($mN\ m^{-1}$) Equation	T range(K)	Accur.	Ref.	Comment
25-75	g = 188 - 0.069 T	1060-1450		8	a
50-50	g = 176 - 0.069 T	1060-1450		8	a
100-0	g = 159.2 - 0.074 T	1060-1450	(124)	8	a
	$CsCl-LaCl_3$				
5.1-94.9	g = 172.8 - 0.0556 T	1140-1230		4	a
10.3-89.7	g = 170.8 - 0.0607 T	1140-1200		4	a
22.0-78.0	g = 161.7 - 0.0625 T	1130-1220		4	a
35.0-65.0	g = 159.1 - 0.0664 T	1080-1170		4	a
47.7-52.3	g = 161.4 - 0.072 T	1090-1170		4	a
60.2-39.8	g = 159.1 - 0.0722 T	1060-1180		4	a
73.5-26.5	g = 160.4 - 0.0742 T	1050-1160		4	a
87.3-12.7	g = 161.4 - 0.0761 T	1020-1160		4	a
100-0	g = 163.46 - 0.07841 T	920-1070	(125)	4	a
	CsCl-LiCl				
0-100	g = 214.86 - 0.08294 T	880-1070	(126)	4	a
1.73-98.27	g = 198.04 - 0.0801 T	880-1070		4	a
17.33-82.67	g = 176.1 - 0.08027 T	880-1070		4	a
30-70	g = 166.62 - 0.07566 T	880-1070		4	a
45-55	g = 165.5 - 0.07727 T	880-1070		4	a
60-40	g = 162.15 - 0.07608 T	880-1070		4	a
75-25	g = 161.91 - 0.07656 T	880-1070		4	a
90-10	g = 157.77 - 0.07268 T	880-1070		4	a
100-0	g = 163.46 - 0.07841 T	920-1070	(127)	4	a
	$CsCl-Li_2SO_4$				
0-100	g = 300.08 - 0.064 T	1173-1373	(128)	8	a,e
0.25-99.75	g = 277 - 0.06001 T	1173-1373		8	a,e
0.50-99.50	g = 274.24 - 0.058 T	1173-1373		8	a,e
1.0-99.0	g = 269.35 - 0.054 T	1173-1373		8	a,e
1.50-98.50	g = 266.9 - 0.05601 T	1173-1373		8	a,e
2.00-98.00	g = 262.04 - 0.058 T	1173-1373		8	a,e
3.00-97.00	g = 257.84 - 0.058 T	1173-1373		8	a,e
10.00-90.00	g = 223.06 - 0.05 T	1173-1373		8	a,e
50-50	g = 218.65 - 0.1 T	1173-1273		8	a,e
100-0	g = 173.1 - 0.08601 T	1173-1323	(129)	8	a,e
	$CsCl-MgCl_2$				
0.0-100.0	g = 65.3426 - 0.003073 T	1010-1160	(130)	4	a
66.7-33.3	g = 114.4065 - 0.044016 T	980-1080		4	a
69.3-30.7	g = 125.1754 - 0.053395 T	950-1070		4	a
100.0-0.0	g = 162.0726 - 0.076919 T	950-1070	(131)	4	a
	CsCl-NaCl				
0-100	g = 197.3 - 0.074 T	1100-1140	(132)	4	a
25-75	g = 176.2 - 0.074 T	1000-1140		4	a
50-50	g = 163.9 - 0.07 T	860-1140		4	a
75-25	g = 162.5 - 0.074 T	820-1140		4	a
100-0	g = 159.2 - 0.074 T	980-1100	(133)	4	a
	$CsCl-PbCl_2$				
0.00-100.00	g = 233.7 - 0.124 T	791-845	(134)	4	a
18.10-81.90	g = 192.7038 - 0.099 T	740-850		4	a
18.23-81.77	g = 192.6446 - 0.09922 T	770-860		4	a
36.97-63.03	g = 206.0883 - 0.12528 T	860-890		4	a
49.50-50.50	g = 540.5747 - 0.5 T	900-900		4	a
59.89-40.11	g = 173.7146 - 0.09278 T	880-900		4	a
74.11-25.89	g = 166.8733 - 0.08329 T	780-900		4	a
	$CsCl-SrCl_2$				
100-0 $SrCl_2$	g = 73.26 + 0.9306 C - 0.01999 C^2 + 2.0358 x 10^{-4} C^3	1123	(135)	4	a,n

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
For additional CsCl systems, see : $BaCl_2$- ; $CaCl_2$- ; CsBr-					
	CsF				
100	g = 184.6 - 0.0808 T	1048-1253	±1%	1	a,j
	CsI				
100	g = - 122.88 - 0.05678 T	900-1147	±1.5%	17	k
For additional CsI systems, see : CsCl-					
	$CsNO_3$				
100	g = 142.3 - 0.074 T	683-873	±0.5%	1	a,j
	$CsNO_3$-KNO_3				
0-100	g = 161.9 - 0.081 T	620-673	(136)	5	a
25-75	g = 155.3 - 0.079 T	620-673		5	a
50-50	g = 150.4 - 0.077 T	560-673		5	a
75-25	g = 145.3 - 0.074 T	540-673		5	a
100-0	g = 142.3 - 0.074 T	690-725	(137)	5	a
	$CsNO_3$-$LiNO_3$				
25-75	g = 143.4 - 0.07 T	490-670		5	a,e
43-57	g = 145.2 - 0.075 T	460-670		5	a,e
50-50	g = 145.1 - 0.076 T	475-670		5	a,e
75-25	g = 142.5 - 0.075 T	565-670		5	a,e
	$CsNO_3$-$NaNO_3$				
0-100	g = 153.99 - 0.06 T	590-673	(138)	5	a
25-75	g = 149.1 - 0.068 T	600-673		5	a
50-50	g = 147.5 - 0.074 T	500-673		5	a
75-25	g = 143.1 - 0.072 T	525-673		5	a
100-0	g = 142.3 - 0.074 T	690-725	(139)	5	a
For additional $CsNO_3$ systems, see : $AgNO_3$- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$-					
	$CsPO_3$				
100	g = 166.6 - 0.0487 T	1010-1314	±1.5%	1	a,j
	CsSCN				
100	g = 109.44 - 0.03196 T	496-549	±1.5%	14	k
	Cs_2CO_3				
100	g = 213.5 - 0.0731 T	1100-1220	±1.5%	6	a
	Cs_2CO_3-Li_2CO_3				
0-100	(T=1038 K, g=242)		(140)	6	a
3.5-96.5	(T=1038 K, g=213)			6	a
	Cs_2SO_4				
100	g = 180.942 - 0.055092 T	1309-1803	±3%	1	a,e,j
	Cs_2SO_4-K_2SO_4				
0-100	g = 229.75 - 0.065 T	1360-1460	(141)	6	a,b,e
25-75	g = 218.72 - 0.066 T	1260-1460		6	a,b,e
50-50	g = 211.9 - 0.067 T	1210-1460		6	a,b,e
75-25	g = 207.84 - 0.069 T	1210-1460.		6	a,b,e
100-0	g = 193.33 - 0.062 T	1300-1460	(142)	6	a,b,e
	Cs_2SO_4-Na_2SO_4				
0-100	g = 269.02 - 0.066 T	1170-1360	(143)	6	a
25-75	g = 214.33 - 0.073 T	900-1360		6	a
50-50	g = 224.71 - 0.074 T	940-1360		6	a
75-25	g = 228.42 - 0.066 T	1140-1360		6	a
100-0	g = 193.33 - 0.062 T	1300-1460	(144)	6	a
	Cs_2SO_4-Rb_2SO_4				
0-100	g = 207.89 - 0.06 T	1350-1460	(145)	6	a
50-50	g = 205.52 - 0.066 T	1330-1420		6	a
100-0	g = 193.33 - 0.062 T	1300-1460	(146)	6	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
For additional Cs_2SO_4 systems, see : CsCl-					
	$CuCl$				
100	(T=723 K, g=92)		n.a.	1	a,j
	Cu_2S				
100	(T=1403.16 K, g=410)		n.a.	1	a,j
	FeO				
100	g = 585	1688-1696	n.a.	1	a,j
	Fe_2O_3-Li_2CO_3				
100-92 Li_2CO_3	g = 238 + 0.024 C	1038	(147)	8	a
	$GaBr_3$				
100	g = 94.5 - 0.15 T	392-408	±2%	3	a
	$GaCl_3$				
100	g = 62.2 - 0.0997 T	354-413	±2%	1	a,j
	$GaCl_3$*$C_5H_{10}NH$				
100	g = 68.4 - 0.084 T	398-433	±2%	1	a,j
	$GaCl_3$*C_5H_5N				
100	g = 76.8 - 0.097 T	398-433	±2%	1	a,j
	$GaCl_3$*$2C_5H_{10}N$				
100	g = 91.6 - 0.167 T	383-428	±2%	1	a,j
	GeO_2				
100	g = 170.3 + 0.056 T	1473-1673	±7%	1	a,j
	$HgBr_2$				
100	g = 133.55 - 0.1343 T	514-549	n.a.	1	a,j
	$HgCl_2$				
100	(T=566 K, g=56.1)		n.a.	1	a,j
	KBO_2				
100	g = 346.633 - 0.17823 T	1265-1415	±3%	1	a,j
	KBr				
100	g = - 158.69 - 0.06815 T	1012-1193		17	k
	KBr-KCl				
0-100	g = 155.2 - 0.052 T	1023-1073	(148)	2	a
0-100	g = 179 - 0.074 T	1080-1170	(149)	2	a
10-90	g = 165.46 - 0.06399 T	1023-1073		2	a
20-80	g = 169.8 - 0.06999 T	1023-1073		2	a
30-70	g = 168.2 - 0.06999 T	1023-1073		2	a
40-60	g = 166.6 - 0.06999 T	1023-1073		2	a
50-50	g = 175.7 - 0.077 T	1020-1170		2	a
50-50	g = 161 - 0.06599 T	1023-1073		2	a
60-40	g = 161.96 - 0.068 T	1023-1073		2	a
70-30	g = 165.16 - 0.072 T	1023-1073		2	a
80-20	g = 166.39 - 0.07399 T	1023-1073		2	a
90-10	g = 174.17 - 0.08199 T	1023-1073		2	a
100-0	g = 165.4 - 0.073 T	1020-1120	(150)	2	a
100-0	g = 182.06 - 0.08999 T	1023-1073	(151)	2	a
	KBr-LiBr				
40-61.4 LiBr	g = 78.733 + 0.373 C - 0.0030335 C^2	1073		3	a,n
	KBr-NaBr				
0-100	g = 175.3 - 0.07 T	1040-1130	(152)	3	a
25-75	g = 171 - 0.07 T	960-1170		3	a
50-50	g = 171.4 - 0.074 T	910-1170		3	a
75-25	g = 167.7 - 0.073 T	960-1170		3	a
100-0	g = 165.4 - 0.073 T	1020-1120	(153)	3	a
	KBr-NaCl				
0-100	g = 211.5 - 0.09 T	1090-1220	(154)	2	a
20-80	g = 176.8 - 0.0658 T	1010-1210		2	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
30-70	g = 172.1 - 0.065 T	1000-1220		2	a
40-60	g = 172.5 - 0.0693 T	930-1150		2	a
50-50	g = 169.2 - 0.0697 T	940-1140		2	a
70-30	g = 163.5 - 0.0679 T	950-1170		2	a
100-0	g = 167.9 - 0.0753 T	1030-1170	(155)	2	a
	$KBr-Na_2SO_4$				
100-50 Na_2SO_4	g = 81.6 + 0.122 C + 0.0097 C^2	1173	(156)	8	a,o
	KBr-RbBr				
0-100	g = 157.7 - 0.072 T	1000-1100	(157)	3	a
50-50	g = 158.6 - 0.07 T	950-1170		3	a
100-0	g = 165.4 - 0.073 T	1020-1120	(158)	3	a
	KBr-RbCl				
0-100	g = 171.3 - 0.0749 T	1030-1190	(159)	2	a
15-85	g = 163 - 0.0709 T	1030-1220		2	a
23-77	g = 169.6 - 0.0771 T	1030-1200		2	a
30-70	g = 166.3 - 0.0752 T	1040-1230		2	a
40-60	g = 162.7 - 0.0715 T	1060-1220		2	a
50-50	g = 159.8 - 0.0689 T	1020-1240		2	a
60-40	g = 159.3 - 0.0683 T	1030-1280		2	a
70-30	g = 159.2 - 0.0688 T	1050-1230		2	a
85-15	g = 162.2 - 0.071 T	1030-1190		2	a
100-0	g = 167.9 - 0.0753 T	1030-1170	(160)	2	a
For additional KBr systems, see : AgBr- ; AgCl- ; $BaBr_2$- ; $CdBr_2$- ; $CdCl_2$- ; CsBr-					
	KCl				
100	g = 175.57 - 0.07321 T	1089-1154	±0.5%	15	d
100	g = 177.61 - 0.07519 T	1127-1209	±1.5%,(161)	14	k
	KCl-KF				
10-90 KCl	g = 90.55 + 0.2167 C + 4.763 x 10^{-4} C^2	1173		2	a,n
	$KCl-K_2SO_4$				
0-100	g = 245.2 - 0.0765 T	1370-1400	(162)	8	a,e,i
20.8-79.2	g = 205.85 - 0.06204 T	1270-1310		8	a
30.1-69.9	g = 198.28 - 0.06146 T	1210-1270		8	a
39.8-60.2	g = 212.03 - 0.07469 T	1190-1250		8	a
55.3-44.7	g = 196.07 - 0.07221 T	1090-1180		8	a
64.6-35.4	g = 186.22 - 0.06743 T	1090-1170		8	a
78.7-21.3	g = 186.88 - 0.07454 T	1090-1200		8	a
84.7-15.3	g = 177.5 - 0.07187 T	1090-1170		8	a
100-0	g = 169.44 - 0.06864 T	1108-1200	(163)	8	a
	$KCl-K_2ZrF_6$				
0-100	g = 192.46 - 0.08051 T	1073-1233	(164)	8	a,e
10-90	g = 192.678 - 0.082015 T	1073-1173		8	a,e
20-80	g = 193 - 0.08301 T	1073-1173		8	a,e
30-70	g = 191.11 - 0.08201 T	1073-1173		8	a,e
40-60	g = 190.76 - 0.083 T	1073-1173		8	a,e
50-50	g = 190.76 - 0.08401 T	1073-1173		8	a,e
60-40	g = 188.87 - 0.08301 T	1073-1173		8	a,e
70-30	g = 189.25 - 0.084 T	1073-1173		8	a,e
80-20	g = 188.52 - 0.084 T	1073-1173		8	a,e
90-10	g = 188.361 - 0.084617 T	1073-1173		8	a,e
100-0	g = 177.061 - 0.075458 T	1073-1173	(165)	8	a,e
	$KCl-LaCl_3$				
0-100	g = 272.2 - 0.132 T	1170-1260	(166)	4	a
12-88	g = 181 - 0.0581 T	1080-1170		4	a
25-75	g = 181.9 - 0.0649 T	1080-1170		4	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension ($mN\ m^{-1}$) Equation	T range(K)	Accur.	Ref.	Comment
38-62	g = 179.7 - 0.0672 T	1080-1170		4	a
50-50	g = 180.1 - 0.0706 T	1080-1170		4	a
63-37	g = 177.9 - 0.071 T	1080-1170		4	a
75-25	g = 176.2 - 0.071 T	1080-1170		4	a
88-12	g = 176.7 - 0.073 T	1080-1170		4	a
100-0	g = 187 - 0.0829 T	1080-1170	(167)	4	a
	KCl-LiCl				
10-90	g = 183.3852 - 0.0675324 T	880-1060	(168)	4	a
21-79	g = 183.53 - 0.0710111 T	840-1020		4	a
31-69	g = 188.365 - 0.0782852 T	780-880		4	a
42-58	g = 189.5657 - 0.0823478 T	660-920		4	a
50-50	g = 187.3435 - 0.0808096 T	780-1020		4	a
60-40	g = 189.4704 - 0.0845251 T	880-1020		4	a
70-30	g = 190.9364 - 0.0869217 T	920-1060		4	a
78-22	g = 196.2269 - 0.0916605 T	980-1060		4	a
85-15	g = 189.5651 - 0.0849146 T	1020-1100		4	a
90-10	g = 187.4541 - 0.0830993 T	1040-1100		4	a
	$KCl-LiCl-PbCl_2$				
0-0-100	g = 228.5 - 0.1167 T	793-973	(169)	18	k
5-15-80	g = 207.6 - 0.099 T	723-1073		18	k
10-10-89	g = 206.4 - 0.1006 T	723-1073		18	k
10-30-60	g = 210.1 - 0.103 T	723-1073		18	k
15-5-80	g = 206.2 - 0.1029 T	723-1073		18	k
15-45-40	g = 189.6 - 0.0814 T	723-1073		18	k
20-20-60	g = 202.9 - 0.1009 T	723-1073		18	k
20-60-20	g = 182.9 - 0.0722 T	773-1073		18	k
30-10-60	g = 199 - 0.1008 T	723-1073		18	k
30-30-40	g = 197.3 - 0.094 T	723-1073		18	k
45-15-40	g = 186.7 - 0.0883 T	723-1073		18	k
60-20-20	g = 170.3 - 0.0669 T	823-1073		18	k
	$KCl-Li_2SO_4$				
0-100	g = 300.08 - 0.064 T	1173-1373	(170)	8	a,e
1-99	g = 297.42 - 0.074 T	1173-1373		8	a,e
2-98	g = 290.98 - 0.068 T	1173-1373		8	a,e
3-97	g = 268.3 - 0.056 T	1173-1373		8	a,e
5-95	g = 291.85 - 0.08 T	1173-1373		8	a,e
10-90	g = 233.42 - 0.044 T	1173-1373		8	a,e
35-65	g = 209.75 - 0.054 T	1173-1373		8	a,e
40-60	g = 213.74 - 0.062 T	1173-1373		8	a,e
45-55	g = 222.42 - 0.074 T	1173-1373		8	a,e
50-50	g = 204.08 - 0.064 T	1173-1373		8	a,e
55-45	g = 200.83 - 0.066 T	1173-1373		8	a,e
60-40	g = 195.03 - 0.066 T	1173-1373		8	a,e
75-25	g = 207.75 - 0.084 T	1173-1373		8	a,e
90-10	g = 194.2 - 0.082 T	1173-1373		8	a,e
95-5	g = 202.99 - 0.09 T	1173-1373		8	a,e
100-0	g = 183.7 - 0.078 T	1173-1373	(171)	8	a,e
	$KCl-LuCl_3$				
99.6-0.4	g = 215.7 - 0.106 T	1073-1173		19	k
100-0	g = 168.6 - 0.06971 T	1073-1223	(172)	19	k
	$KCl-MgCl_2$				
0-100	g = 65.3426 - 0.003073 T	1010-1160	(173)	15	d
11.9-88.1	g = 79.51 - 0.01105 T	1030-1131		15	d
20.4-79.6	g = 102.02 - 0.02936 T	1017-1123		15	d

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Surface Tension (mN m⁻¹)				
39.8-60.2	g = 124.13 - 0.04686 T	1011-1129		15	d
47.9-52.1	g = 126.83 - 0.04799 T	1016-1115		15	d
60-40	g = 131.85 - 0.05049 T	1033-1142		15	d
66.9-33.1	g = 128.13 - 0.04548 T	1020-1135		15	d
70.5-29.5	g = 133.4 - 0.04892 T	993-1125		15	d
77.1-22.9	g = 152.33 - 0.06271 T	1032-1133		15	d
85.3-14.7	g = 152.84 - 0.06007 T	1068-1176		15	d
93.4-6.6	g = 153.73 - 0.05607 T	1044-1118		15	d
100-0	g = 175.57 - 0.07321 T	1089-1154	(174)	15	d
	KCl-NaBr				
0-100	g = 173.4 - 0.0682 T	1050-1220	(175)	2	a
15-85	g = 153.9 - 0.0527 T	1010-1200		2	a
30-70	g = 158.6 - 0.0585 T	970-1180		2	a
50-50	g = 165.4 - 0.066 T	920-1160		2	a
70-30	g = 165 - 0.0653 T	970-1180		2	a
85-15	g = 167.4 - 0.0671 T	1000-1200		2	a
100-0	g = 172.4 - 0.071 T	1070-1260	(176)	2	a
	KCl-NaCl				
0-100	g = 187 - 0.068 T	1080-1220	(177)	4	a
10-90	g = 183.5 - 0.068 T	1170-1220		4	a
25-75	g = 181.2 - 0.07 T	1010-1170		4	a
40-60	g = 180.4 - 0.072 T	980-1170		4	a
50-50	g = 179.3 - 0.072 T	980-1170		4	a
60-40	g = 177.3 - 0.072 T	980-1170		4	a
75-25	g = 178 - 0.074 T	980-1170		4	a
90-10	g = 178.1 - 0.075 T	1030-1170		4	a
100-0	g = 176.8 - 0.075 T	1080-1220	(178)	4	a
	$KCl-NaCl-PbCl_2$				
0-0-100	g = 227.9 - 0.122 T	823-873	(179)	20	k
10-30-60	g = 192.6 - 0.088 T	723-873		20	k
10-10-80	g = 187.9 - 0.083 T	773-873		20	k
20-20-60	g = 206 - 0.111 T	723-873		20	k
30-10-60	g = 196.2 - 0.101 T	723-873		20	k
30-30-40	g = 228.7 - 0.14 T	823-873		20	k
	KCl-NaI				
0.0-100.0	g = 172 - 0.09 T	960-1160	(180)	2	a,e
8.0-92.0	g = 147.6 - 0.07 T	920-1100		2	a,e
15.0-85.0	g = 146.1 - 0.069 T	880-1080		2	a,e
33.3-66.7	g = 141.6 - 0.063 T	820-1000		2	a,e
50.0-50.0	g = 137.3 - 0.057 T	840-1020		2	a,e
66.7-33.3	g = 145.2 - 0.063 T	860-1060		2	a,e
85.0-15.0	g = 153.2 - 0.066 T	960-1160		2	a,e
100.0-0.0	g = 175.1 - 0.073 T	1060-1260	(181)	2	a,e
	$KCl-NaNO_3$				
0-100	(T=743 K, g=110.4)		(182)	8	a
10-90	(T=743 K, g=109.1)			8	a
30-70	(T=743 K, g=109.1)			8	a
	$KCl-Na_2B_4O_7$				
100-30 $Na_2B_4O_7$	g = 178.5 - 2.508 C + 0.03025 C^2	1223	(183)	8	a,b,m
	$KCl-NdCl_3$				
90-10	g = 497.613 - 0.354 T	1173-1223		19	k
95-5	g = 179.416 - 0.076003 T	1073-1223		19	k
98-2	g = 193.898 - 0.086003 T	1073-1223		19	k

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Surface Tension (mN m⁻¹)				
100-0	g = 175.559 - 0.0738 T	1073-1223	(184)	19	k
	$KCl-PbCl_2$				
0.00-100.00	g = 233.7 - 0.124 T	795-845	(185)	4	a
24.32-75.68	g = 201.426 - 0.104167 T	765-775		4	a
35.88-64.12	g = 193.7382 - 0.098527 T	775-845		4	a
50.87-49.13	g = 193.1133 - 0.100855 T	770-820		4	a
51.15-48.85	g = 196.6602 - 0.105613 T	765-825		4	a
63.14-36.86	g = 180.9981 - 0.085499 T	830-870		4	a
68.23-31.77	g = 169.9381 - 0.073489 T	870-895		4	a
	$KCl-PrCl_3$				
0-100	g = 146.1 - 0.03729 T	1103-1199	(186)	14	k
14-86	g = 140.8 - 0.03695 T	1154-1225		14	k
29.1-70.9	g = 142.3 - 0.04043 T	1093-1222		14	k
42.9-57.1	g = 147.8 - 0.04821 T	1115-1215		14	k
56.9-43.1	g = 155 - 0.05591 T	1093-1213		14	k
80-20	g = 166.2 - 0.06692 T	1091-1212		14	k
100-0	g = 177.61 - 0.07519 T	1127-1209	(187)	14	k
	KCl-RbBr				
0-100	g = 139.1 - 0.0545 T	970-1170	(188)	2	a,e
15-85	g = 149 - 0.063 T	1060-1220		2	a,e
30-70	g = 152.3 - 0.0644 T	1050-1240		2	a,e
50-50	g = 163.6 - 0.0725 T	1050-1220		2	a,e
70-30	g = 162.2 - 0.0684 T	1080-1220		2	a,e
80-20	g = 161.5 - 0.0659 T	1070-1230		2	a,e
90-10	g = 168.8 - 0.0707 T	1060-1250		2	a,e
100-0	g = 172.4 - 0.071 T	1070-1260	(189)	2	a,e
	$KCl-SrCl_2$				
0-100	g = 230.7 - 0.0541 T	1157-1307	(190)	4	a
20-80	g = 210.9 - 0.0664 T	1030-1300		4	a
40-60	g = 206.12 - 0.0711 T	1010-1300		4	a
60-40	g = 186.87 - 0.0661 T	1010-1300		4	a
80-20	g = 194.25 - 0.0788 T	1010-1310		4	a
100-0	g = 187.57 - 0.0837 T	1080-1290	(191)	4	a
	$KCl-UCl_3$				
0-100	g = 311.5 - 0.165 T	1123-1323	(192)	21	k
10-90	g = 280.33 - 0.145 T	1113-1343		21	k
20-80	g = 257.99 - 0.13122 T	1024-1363		21	k
30-70	g = 236.07 - 0.122 T	974-1323		21	k
40-60	g = 238.45 - 0.118 T	979-1340		21	k
50-50	g = 234.39 - 0.115 T	978-1348		21	k
60-40	g = 223.1 - 0.107 T	984-1338		21	k
70-30	g = 211.14 - 0.1 T	992-1330		21	k
80-20	g = 197.57 - 0.09 T	1000-1323		21	k
90-10	g = 191.77 - 0.086 T	1015-1336		21	k
100-0	g = 187 - 0.082 T	1053-1323	(193)	21	k
	$KCl-UCl_4$				
0-100	g = 204.95 - 0.185 T	880-960	(194)	4	a
39.33-60.67	g = 102.83 - 0.0621 T	890-980		4	a
56.04-43.96	g = 93.04 - 0.04808 T	880-990		4	a
64.31-35.69	g = 59.73 - 0.00865 T	930-1010		4	a
73.68-26.32	g = 77.59 - 0.01349 T	870-1050		4	a
96.00-4.00	g = 136.65 - 0.06732 T	1020-1150		4	a
97.33-2.67	g = 164.82 - 0.08871 T	1050-1090		4	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
100-0	g = 182.51 - 0.0782 T	1080-1170	(195)	4	a
	$KCl-ZnCl_2$				
0.0-100.0	g = 75.361 - 0.027204 T	611-991	(196)	4	a,e
3.1-96.9	g = 64.682 - 0.012396 T	584-951		4	a,e
6.7-93.3	g = 65.794 - 0.013939 T	625-974		4	a,e
13.4-86.6	g = 63.393 - 0.00808 T	568-974		4	a,e
19.7-80.3	g = 76.792 - 0.02142 T	592-1011		4	a,e
39.1-60.9	g = 104.545 - 0.040953 T	553-1037		4	a,e
59.9-40.1	g = 140.055 - 0.062009 T	623-1057		4	a,e
For additional KCl systems, see : AgBr- ; AgCl- ; $BaCl_2$- ; BaFCl- ; BaF_2- ; $CaCl_2$- ; $CdBr_2$- ; $CdCl_2$- ; $CeCl_3$- ; KBr-					
	$KCl*NaCl-LaCl_3$				
89.6-10.4	g = 147.946 - 0.0546 T	973-1123		16	k
93.7-9.3	g = 163.91 - 0.0674 T	973-1123		16	k
97.0-3.0	g = 159.015 - 0.060199 T	973-1123	(197)	16	k,z
	$KCl*NaCl-NdCl_3$				
85.0-15.0	g = 145.996 - 0.052 T	973-1123		16	k
93.8-6.2	g = 156.153 - 0.0584 T	973-1123		16	k
97.1-2.9	g = 146.308 - 0.046 T	973-1123	(198)	16	k,z
	$KCl*NaCl-PrCl_3$				
84.8-15.2	g = 148.93 - 0.0548 T	973-1123		16	k
93.7-6.3	g = 153.688 - 0.05599 T	973-1123		16	k
97.1-2.9	g = 158.415 - 0.0576 T	973-1123	(199)	16	k,z
	$KCl*NaCl-SmCl_3$				
85.3-14.7	g = 146.042 - 0.054 T	973-1123		16	k
93.9-6.1	g = 153.465 - 0.0576 T	973-1123		16	k
97.2-2.8	g = 156.707 - 0.059 T	973-1123	(200)	16	k,z
For additional KCl*NaCl systems, see : $CeCl_3$-					
	$KClO_3$				
100	g = 337.3 - 0.4 T	641-651	±2%	1	a,j
	$KC_2H_3O_2-NaNO_3$				
Isothermal Data points	(C=0-100, g=42) (C=50-50, g=51.5) (C=75-25, g=62.7) (C=90-10, g=83.6) (C=95-5, g=94.9) (C=98-2, g=106.4) (C=99-1, g=110.4)	588		8	a
	$KC_3H_5O_2-NaNO_3$				
Isothermal Data points	(C=0-100, g=25.6) (C=50-50, g=35.7) (C=75-25, g=41.7) (C=90-10, g=54.8) (C=95-5, g=70.3) (C=98-2, g=86.1) (C=99-1, g=97.86)	588		8	a
	KF				
100	g = 240.011 - 0.084782 T	1185-1583	(201)	1	a,j
	$KF-K_2ZrF_6$				
100-0 K_2ZrF_6	$g = 136.3 - 0.2136\ C - 0.00842\ C^2 + 6.447 \times 10^{-5}\ C^3$	1233	(202)	8	a
	KF-LiF				
0-100	g = 371.33 - 0.107 T	1073-1173	(203)	7	a,g
10-90	g = 364.41 - 0.126 T	1073-1173		7	a,g
20-80	g = 335.25 - 0.121 T	1073-1173		7	a,g
30-70	g = 300.73 - 0.107 T	1073-1173		7	a,g
40-60	g = 270.9 - 0.09301 T	1073-1173		7	a,g
50-50	g = 253.29 - 0.08601 T	1073-1173		7	a,g
60-40	g = 250.6 - 0.08901 T	1073-1173		7	a,g
70-30	g = 256.59 - 0.09701 T	1073-1173		7	a,g
80-20	g = 262.13 - 0.103 T	1073-1173		7	a,g
90-10	g = 251.47 - 0.09401 T	1073-1173		7	a,g
100-0	g = 203.98 - 0.05301 T	1073-1173	(204)	7	a,g

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation Surface Tension (mN m^{-1})	T range(K)	Accur.	Ref.	Comment
	KF-NaF				
60-40	g = 242.48 - 0.07884 T	903-1151		7	a,g
	$KF-Na_2B_4O_7$				
100-40 $Na_2B_4O_7$	g = 146.2 - 1.193 C + 0.02033 C^2	1223	(205)	8	a,b,m
	$KF-Na_3AlF_6$				
0-100	g = 311.27 - 0.138 T	1273-1373	(206)	9	k
3.4-96.6	g = 308.595 - 0.1363238 T	1291-1367		9	k
10.1-89.8	g = 305.175 - 0.134498 T	1280-1356		9	k
16.1-83.9	g = 301.07 - 0.132027 T	1280-1360		9	k
23.9-76.1	g = 301.276 - 0.132918 T	1252-1346		9	k
35.1-64.9	g = 298.361 - 0.131498 T	1237-1354		9	k
45.8-54.2	g = 295.35 - 0.130338 T	1217-1358		9	k
54.7-45.3	g = 294.793 - 0.130613 T	1201-1327		9	k
	$KF-ZrF_4$				
0.0-33.3 ZrF_4	g = 135.6 - 1.077 C + 0.1857 C^2 + 0.01183 C^3 + 1.84 x 10^{-4} C^4	1233	(207)	7	a,n
For additional KF systems, see : Al_2O_3- ; $BaCl_2$- ; $CaSiO_3$- ; KCl-					
	KI				
100	g = 136.1 - 0.06003 T	969-1186	±1.5%	17	k
	$KI-Na_2SO_4$				
100-50 Na_2SO_4	g = 72.69 + 1.3093 C - 0.02873 C^2 + 2.775 x 10^{-4} C^3	1173	(208)	8	a
	KNO_2				
100	g = 164.24 - 0.08 T	718-774	±1.5%	1	a,j
	KNO_2-KNO_3				
0-100	g = 148.5 - 0.064 T	615-740	(209)	5	a,e
20-80	g = 145.7 - 0.059 T	680-860		5	a,e
22.5-77.5	g = 144.3 - 0.057 T	680-860		5	a,e
40-60	g = 148 - 0.061 T	635-860		5	a,e
60-40	g = 145.6 - 0.055 T	605-860		5	a,e
80-20	g = 146 - 0.052 T	605-860		5	a,e
	KNO_3				
100	g = 154.715 - 0.071708 T	620-760	±0.5%	8	d
	KNO_3-LiNO_3				
0-100	g = 144.9 - 0.055 T	575-670	(210)	5	a,e
25-75	g = 143.2 - 0.056 T	505-670		5	a,e
50-50	g = 146.5 - 0.062 T	445-670		5	a,e
58-42	g = 148.7 - 0.065 T	445-670		5	a,e
75-25	g = 152.7 - 0.07 T	460-670		5	a,e
100-0	g = 161.9 - 0.081 T	625-670	(211)	5	a,e
	KNO_3-NaNO_3				
0-100	g = 153.99 - 0.06 T	590-673	(212)	5	a,e
10-90	g = 156.6 - 0.06567 T	590-670		5	a,e
20-80	g = 157.3 - 0.06807 T	560-670		5	a,e
30-70	g = 158.5 - 0.07106 T	540-670		5	a,e
40-60	g = 158.9 - 0.07275 T	510-670		5	a,e
50-50	g = 159.6 - 0.07476 T	500-670		5	a,e
54-46	g = 159.9 - 0.0756 T	500-670		5	a,e
60-40	g = 160.6 - 0.07709 T	510-670		5	a,e
70-30	g = 161.5 - 0.07926 T	530-670		5	a,e
80-20	g = 162.7 - 0.08176 T	550-670		5	a,e
90-10	g = 163.8 - 0.08401 T	570-670		5	a,e
100-0	g = 164.6 - 0.0855 T	590-670	(213)	5	a,e
	KNO_3-RbNO_3				
0-100	g = 157 - 0.083 T	585-660	(214)	5	a,e

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension ($mN\ m^{-1}$) Equation	T range(K)	Accur.	Ref.	Comment
25-75	g = 157.4 - 0.082 T	585-660		5	a,e
50-50	g = 159.6 - 0.083 T	570-660		5	a,e
70-30	g = 162.1 - 0.084 T	570-660		5	a,e
75-25	g = 161.2 - 0.083 T	570-660		5	a,e
For additional KNO_3 systems, see : $AgNO_3$- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$- ; $CsNO_3$- ; KNO_2-					
	KPO_3				
100	g = 208.4 - 0.0556 T	1132-1773	±2%	1	a,j
	KPO_3-$LiPO_3$				
0-100	g = 218.282 - 0.0241 T	1030-1410	(215)	6	a
10.12-89.88	g = 227.071 - 0.0398 T	1030-1410		6	a
20.02-79.98	g = 228.583 - 0.0468 T	1030-1410		6	a
29.98-70.02	g = 226.812 - 0.0502 T	1030-1410		6	a
40.05-59.95	g = 225.467 - 0.0526 T	1030-1410		6	a
49.90-50.10	g = 223.55 - 0.054 T	1030-1410		6	a
59.98-40.02	g = 219.331 - 0.0532 T	1030-1410		6	a
68.91-31.09	g = 219.878 - 0.0563 T	1030-1410		6	a
80.19-19.81	g = 220.115 - 0.059 T	1030-1410		6	a
89.87-10.13	g = 220.307 - 0.0608 T	1030-1410		6	a
100-0	g = 221.672 - 0.0636 T	1030-1410	(216)	6	a
	KPO_3-$NaPO_3$				
0-100	g = 237.02 - 0.0488 T	1078-1420	(217)	6	a
10.06-89.94	g = 231.53 - 0.0492 T	980-1420		6	a
19.97-80.03	g = 226.53 - 0.0492 T	980-1420		6	a
29.89-70.11	g = 223.1 - 0.0498 T	980-1420		6	a
39.82-60.18	g = 222.99 - 0.0527 T	980-1420		6	a
50.05-49.95	g = 222.85 - 0.0555 T	980-1420		6	a
60.03-39.97	g = 217.53 - 0.0532 T	980-1420		6	a
70.09-29.91	g = 216 - 0.0542 T	1078-1420		6	a
78.82-21.18	g = 218.17 - 0.0577 T	1078-1420		6	a
90.06-9.94	g = 217.85 - 0.0595 T	1078-1420		6	a
100-0	g = 221.67 - 0.0636 T	1078-1420	(218)	6	a
	KPO_3-ZnO				
72.3-27.7	g = 231.6 - 0.0419 T	1200-1380		8	a
77.9-22.1	g = 218.2 - 0.0405 T	1050-1320		8	a
89.6-10.4	g = 204.2 - 0.0471 T	1080-1350		8	a
	KPO_3-$Zn(PO_3)_2$				
0-100	g = 196.58 + 0.00195 T	1244-1476	(219)	6	a
8.3-91.7	g = 175.6 - 0.004 T	1233-1360		6	a
18.1-81.9	g = 171.14 - 0.0042 T	1206-1344		6	a
30.1-69.9	g = 195.3 - 0.00367 T	1140-1320		6	a,b,e
44.1-55.9	g = 186.24 - 0.0313 T	1100-1340		6	a
61.2-38.8	g = 190.36 - 0.0416 T	1080-1340		6	a
70.05-29.5	g = 197.79 - 0.0472 T	1080-1340		6	a
78.1-21.9	g = 189.16 - 0.0405 T	1140-1320		6	a
85.2-14.8	g = 191.9 - 0.0425 T	1169-1334		6	a
94.5-5.5	g = 206.01 - 0.0535 T	1146-1335		6	a
100-0	g = 208.38 - 0.0556 T	1152-1347	(220)	6	a
For additional KPO_3 systems, see : $Ba(PO_3)_2$-					
	KSCN				
100	g = 133.97 - 0.0581 T	464-514	±1.5%	14	k

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m^{-1}) Equation	T range(K)	Accur.	Ref.	Comment
	KSCN-NaSCN				
0-100	g = 134.9312 - 0.05266 T	583-597	(221)	14	k
31.7-68.3	g = 124.14 - 0.04433 T	465-536		14	k
52.8-47.2	g = 135.47 - 0.06305 T	506-566		14	k
58.5-41.5	g = 134.33 - 0.06039 T	534-588		14	k
69.0-31.0	g = 131.53 - 0.05513 T	537-581		14	k
100-0	g = 133.97 - 0.0581 T	464-514	(222)	14	k
	KSCN-RbSCN				
0-100 KSCN	g = 107.1 - 0.127 C - 4.88 x 10^{-5} C^2 + 9.67 x 10^{-6} C^3	523	±1%,(223)	14	k
	KVO_3				
100	g = 179.4 - 0.0333 T	823-1273	n.a.	8	a
	KVO_3-V_2O_5				
0-100	g = 100.5 - 0.0118 T	953-1273	(224)	8	a
19.0-81.0	g = 104.5 - 0.0137 T	950-1275		8	a
36.0-64.0	g = 111.4 - 0.0174 T	950-1150		8	a
51.7-48.3	g = 120.3 - 0.021 T	843-1253		8	a
65.8-34.2	g = 127.4 - 0.0243 T	850-1275		8	a
80.6-19.4	g = 142.3 - 0.0281 T	738-1263		8	a
89.0-11.0	g = 154.2 - 0.03 T	750-1250		8	a
100-0	g = 179.4 - 0.0333 T	823-1273	(225)	8	a
	K_2CO_3				
100	g = 243.714 - 0.063681 T	1178-1283	±0.5%	1	a,e,j
	K_2CO_3-Li_2CO_3				
0-100	g = 281.5 - 0.0366 T	1023-1173	(226)	6	a
10-90	g = 253.42 - 0.0334 T	965-1172		6	a
30-70	g = 231.18 - 0.0292 T	842-1173		6	a
42.7-57.3	g = 324.09 - 0.1248 T	1004-1155		6	a
50-50	g = 229.59 - 0.0395 T	800-1172		6	a
70-30	g = 241.94 - 0.058 T	931-1173		6	a
90-10	g = 262.93 - 0.0769 T	1114-1173		6	a
100-0	g = 241.07 - 0.0614 T	1173-1308	(227)	6	a
	K_2CO_3-Li_2CO_3-Na_2CO_3				
25.0-43.5-31.5	g = 287.07 - 0.06944 T	740-1050		6	a
	K_2CO_3-Na_2CO_3				
0-100	g = 268.5 - 0.0502 T	1143-1279	(228)	6	a,e
25-75	g = 259.582 - 0.058333 T	1060-1200		6	a
42-58	g = 288.14 - 0.076207 T	1000-1140		6	a,b,e
50-50	g = 253.18 - 0.062007 T	1000-1160		6	a,e
75-25	g = 256.2 - 0.070807 T	1083-1237		6	a,e
100-0	g = 243.714 - 0.063681 T	1177-1278	(229)	6	a,e
	$K_2Cr_2O_7$				
100	g = 310 - 0.27 T	673-713	±2%	1	a,j
	K_2MoO_4				
100	g = 229.478 - 0.064777 T	1203-1806	±3%	1	a,c,j
	K_2MoO_4-Li_2MoO_4				
0-100	g = 367.49 - 0.1282 T	1013-1281	(230)	6	a,e
19.9-80.1	g = 256.28 - 0.07283 T	940-1160		6	a
33-67	g = 241.46 - 0.06896 T	820-1040		6	a
50-50	g = 236.63 - 0.06639 T	860-1060		6	a
60-40	g = 226.07 - 0.05909 T	840-1060		6	a,e
79.9-20.1	g = 239.22 - 0.07732 T	1080-1180		6	a
100-0	g = 279.15 - 0.102 T	1207-1281	(231)	6	a,e
	K_2MoO_4-MoO_3				
25-75	g = 173.42 - 0.06663 T	1130-1340		8	a
42-58	g = 183.77 - 0.06983 T	1100-1370		8	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
50-50	g = 183.9 - 0.06884 T	1040-1340		8	a
61-39	g = 192.97 - 0.0689 T	1190-1370		8	a
81-19	g = 189.74 - 0.05654 T	1190-1370		8	a
100-0	g = 217.38 - 0.06425 T	1240-1360	(232)	8	a
	K_2O-$Zn(PO_3)_2$				
7.3-92.7	g = 181.9 - 0.0045 T	1240-1360		8	a
25.6-74.4	g = 223.7 - 0.042 T	1180-1360		8	a
38.1-61.9	g = 230.8 - 0.0453 T	1120-1360		8	a
48-52	g = 239 - 0.0443 T	1240-1360		8	a
	K_2SO_4				
100	g = 245.2 - 0.0765 T	1372-1394	±1.5%	1	a, j
	K_2SO_4-NaBr				
0-100	g = 186.89 - 0.08091 T	1233-1343	(233)	8	a
20-80	g = 170.73 - 0.06558 T	1080-1200		8	a
35-65	g = 165.763 - 0.058329 T	1010-1220		8	a,e
50-50	g = 171.95 - 0.05502 T	1100-1220		8	a
60-40	g = 190.434 - 0.067061 T	1190-1280		8	a,e
70-30	g = 169.06 - 0.04327 T	1250-1280		8	a
80-20	g = 158.481 - 0.031468 T	1280-1340		8	a,e
85-15	g = 237.61 - 0.08494 T	1233-1343		8	a
95-5	g = 215.28 - 0.06353 T	1233-1343		8	a
100-0	g = 251.07 - 0.08502 T	1350-1373	(234)	8	a
	K_2SO_4-Na_2SO_4				
0-100	g = 269 - 0.066 T	1170-1460	(235)	6	a
25-75	g = 237.3 - 0.066 T	1100-1460		6	a
50-50	g = 247.1 - 0.069 T	1200-1460		6	a
75-25	g = 248.8 - 0.063 T	1240-1460		6	a
100-0	g = 229.8 - 0.065 T	1360-1460	(236)	6	a
	K_2SO_4-RbCl				
100-90 K_2SO_4	g = 59.3 + 0.837 C	1348	(237)	8	a
	K_2SO_4-Rb_2SO_4				
0-100	g = 207.89 - 0.06 T	1170-1470	(238)	6	a
25-75	g = 226.63 - 0.066 T	1190-1470		6	a
50-50	g = 223.8 - 0.067 T	1230-1470		6	a
100-0	g = 229.76 - 0.065 T	1350-1470	(239)	6	a
For additional K_2SO_4 systems, see : Cs_2SO_4- ; KCl-					
	K_2WO_4				
100	g = 266.477 - 0.090514 T	1210-1793	±3%	1	a,e,j
	K_2WO_4-Li_2WO_4				
0-100	g = 322.59 - 0.084855 T	1030-1236	(240)	6	a
10-90	g = 289.918 - 0.07536 T	985-1186		6	a
19.9-80.1	g = 296.88 - 0.09405 T	920-1137		6	a,e
30-70	g = 301.364 - 0.10869 T	867-1024		6	a
40-60	g = 287.69 - 0.09814 T	947-1109		6	a,e
50-50	g = 290.66 - 0.1057 T	963-1077		6	a,e
54.4-45.6	g = 279.705 - 0.09633 T	943-1085		6	a
60-40	g = 266.42 - 0.09091 T	929-1103		6	a,e
80-20	g = 263.87 - 0.08964 T	1040-1183		6	a,e
100-0	g = 295.12 - 0.11142 T	1215-1288	(241)	6	a,e
	K_2WO_4-WO_3				
45-55	g = 231.12 - 0.08932 T	1010-1220		8	a
55-45	g = 241.79 - 0.09531 T	1070-1250		8	a
65-35	g = 234.71 - 0.08803 T	1140-1220		8	a
80-20	g = 230.43 - 0.07971 T	1130-1280		8	a
100-0	g = 213.54 - 0.05945 T	1250-1280	(242)	8	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
	K_2ZrF_6				
100	g = 192.46 - 0.08051 T	1073-1223	n.a.	8	a,e
	K_2ZrF_6-NaCl				
0-100	g = 191.5 - 0.072 T	1123-1223	(243)	8	a
10-90	g = 206.06 - 0.085 T	1123-1223		8	a
20-80	g = 204.16 - 0.08401 T	1123-1223		8	a
30-70	g = 206.37 - 0.087 T	1123-1223		8	a
40-60	g = 203.26 - 0.085 T	1123-1223		8	a
50-50	g = 202.56 - 0.08501 T	1123-1223		8	a
60-40	g = 202.26 - 0.086 T	1123-1223		8	a
70-30	g = 204.75 - 0.089 T	1123-1223		8	a
80-20	g = 200.67 - 0.08601 T	1123-1223		8	a
90-10	g = 200.9 - 0.087 T	1123-1223		8	a
100-0	g = 192.46 - 0.08051 T	1073-1233	(244)	8	a,e,i
	K_2ZrF_6-$Na_2B_4O_7$				
0-100	g = 293.895 - 0.050966 T	1020-1225	(245)	8	a,e
1.4-98.6	g = 287.735 - 0.051335 T	1020-1200		8	a,e
2.9-97.1	g = 277.07 - 0.047148 T	1020-1200		8	a,e
4.3-95.7	g = 284.48 - 0.055201 T	1020-1200		8	a,e
5.8-94.2	g = 283.145 - 0.056388 T	1020-1200		8	a,e
7.2-92.8	g = 278.025 - 0.053051 T	1020-1200		8	a,e
8.8-91.2	g = 282.58 - 0.056564 T	1020-1200		8	a,e
For additional K_2ZrF_6 systems, see : KF-					
	K_3AlF_6-Na_3AlF_6				
0-100	g = 311.27 - 0.138 T	1273-1373	(246)	9	k
20.1-79.9	g = 259.93 - 0.112067 T	1277-1335		9	k
40.2-59.8	g = 228.396 - 0.098976 T	1276-1334		9	k
60.1-39.9	g = 234.143 - 0.101041 T	1275-1335		9	k
80.0-20.0	g = 228.396 - 0.098976 T	1276-1334		9	k
100-0	g = 237.551 - 0.107387 T	1281-1340	(247)	9	k
100	g = 237.551 - 0.107387 T	1281-1340	±1.5%	9	k
	$LaCl_2$-$LaCl_3$				
0-100	g = 272.2 - 0.132 T	1165-1280	(248)	4	a
86-14	g = 239.7 - 0.09615 T	1240-1330		4	a
	$LaCl_3$				
100	g = 272.2 - 0.132 T	1165-1280	±2%	4	a
	$LaCl_3$-NaCl				
0-100	g = 189.5 - 0.0706 T	1123-1248	(249)	22	k
12.5-87.5	g = 196.3 - 0.076 T	1148-1248		22	k
25-75	g = 199.5 - 0.0786 T	1123-1248		22	k
40-60	g = 200.5 - 0.0788 T	1148-1248		22	k
55-45	g = 215.2 - 0.0904 T	1148-1248		22	k
70-30	g = 229.5 - 0.1016 T	1148-1248		22	k
85-15	g = 259.8 - 0.1251 T	1123-1248		22	k
100-0	g = 253.9 - 0.1168 T	1148-1248	(250)	22	k
For additional $LaCl_3$ systems, see : $BaCl_2$- ; CsCl- ; KCl- ; KCl*NaCl- ; $LaCl_2$-					
	$LiBO_2$				
100	g = 388.823 - 0.10433 T	1153-1793	±3%	1	a,j
	LiBr				
100	g = 150.56 - 0.04988 T	834-1160	±1.5%	17	k
	LiBr-LiCl				
12-88	g = 211.1 - 0.0816 T	900-1070		2	a
25-75	g = 206.8 - 0.0796 T	910-1070		2	a
37-63	g = 203 - 0.0778 T	900-1070		2	a
50-50	g = 200.8 - 0.0778 T	900-1070		2	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
63-37	g = 195.5 - 0.0744 T	910-1080		2	a
75-25	g = 192.7 - 0.0735 T	900-1080		2	a
88-12	g = 189.5 - 0.0719 T	910-1070		2	a
100-0	g = 185.2 - 0.0691 T	900-1080	(251)	2	a
	LiBr-LiF				
0-100	g = 350.2 - 0.0986 T	1140-1290	(252)	2	a
12-88	g = 316.8 - 0.0952 T	1110-1280		2	a
25-75	g = 286.1 - 0.0897 T	1080-1270		2	a
37-63	g = 263.2 - 0.086 T	1020-1250		2	a
50-50	g = 240.3 - 0.081 T	960-1210		2	a
63-37	g = 224.6 - 0.0797 T	930-1140		2	a
75-25	g = 209.8 - 0.0762 T	890-1120		2	a
88-12	g = 196.1 - 0.0725 T	900-1130		2	a
100-0	g = 185.2 - 0.0691 T	890-1130	(253)	2	a
	LiBr-LiI				
0-100	g = 140.7 - 0.0565 T	870-1110	(254)	2	a
25-75	g = 148.3 - 0.058 T	890-1100		2	a
50-50	g = 159.5 - 0.062 T	870-1100		2	a
75-25	g = 171.4 - 0.0661 T	880-1110		2	a
100-0	g = 185.2 - 0.0691 T	880-1120	(255)	2	a
	LiBr-NaBr				
39.5-60.5 NaBr	g = 99.531 - 0.02162 C + 2.104 x 10^{-5} C^2	1073		3	a,n
	LiBr-RbBr				
40-60 RbBr	g = 79.804 + 0.2448 C - 0.003498 C^2	1073		3	a,n
For additional LiBr systems, see : CsBr- ; KBr-					
	LiCl				
100	g = 189.28 - 0.06973 T	903-1060	±1%	15	d
	LiCl-LiF				
0-100	g = 350.2 - 0.0986 T	1100-1240	(256)	2	a
12-88	g = 323.8 - 0.0949 T	1100-1220		2	a
25-75	g = 303.3 - 0.0958 T	1070-1200		2	a
37-63	g = 281.7 - 0.0922 T	1060-1190		2	a
50-50	g = 264.4 - 0.0913 T	1020-1160		2	a
63-37	g = 250 - 0.0906 T	970-1150		2	a
75-25	g = 234.1 - 0.0853 T	960-1140		2	a
88-12	g = 223.2 - 0.0842 T	930-1110		2	a
	LiCl-LiI				
0-100	g = 140.7 - 0.0565 T	860-1110	(257)	2	a
25-75	g = 153.5 - 0.0617 T	840-1090		2	a
50-50	g = 169.4 - 0.0673 T	910-1110		2	a
75-25	g = 189.6 - 0.0738 T	880-1090		2	a
	$LiCl-Li_2CO_3$				
30-70	g = 227.57 - 0.03737 T	970-1050		8	a
50-50	g = 240.39 - 0.07437 T	930-1030		8	a
60-40	g = 204.04 - 0.04663 T	890-970		8	a
70-30	g = 203.44 - 0.05511 T	810-1013		8	a
80-20	g = 194.04 - 0.05585 T	830-1030		8	a
90-10	g = 195.57 - 0.06312 T	838-1018		8	a
	$LiCl-MgCl_2$				
0.0-100.0	g = 65.3426 - 0.003073 T	1010-1160	(258)	4	a
26.5-73.5	g = 86.0789 - 0.013302 T	950-1060		4	a
43.6-56.4	g = 105.1314 - 0.025978 T	970-1080		4	a
46.9-53.1	g = 109.3989 - 0.026473 T	940-1040		4	a
54.6-45.4	g = 110.3943 - 0.024826 T	980-1080		4	a
63.8-36.2	g = 127.1996 - 0.035963 T	920-1020		4	a
82.0-18.0	g = 149.7022 - 0.047791 T	990-1040		4	a
82.8-17.2	g = 152.5166 - 0.04987 T	950-1040		4	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension ($mN\ m^{-1}$) Equation	T range(K)	Accur.	Ref.	Comment
100.0-0.0	g = 189.28 - 0.06973 T	903-1060	(259)	4	a
	LiCl-NaCl				
0-100	g = 209.0422 - 0.084345 T	1110-1170	(260)	4	a
40-60	g = 197.2639 - 0.073786 T	980-1170		4	a
60-40	g = 203.5707 - 0.078974 T	980-1170		4	a
80-20	g = 206.048 - 0.080691 T	980-1100		4	a
100-0	g = 187.6507 - 0.061781 T	930-1120	(261)	4	a
	$LiCl-Na_2B_4O_7$				
100-40 $Na_2B_4O_7$	g = 392.2 - 12.29 C + 0.1944 C^2 - 8.77 x 10^{-4} C^3	1223	(262)	8	a,b,m
	$LiCl-PbCl_2$				
0.0-100.0	g = 233.7 - 0.124 T	791-845	(263)	4	a,e
30.10-69.90	g = 200.8931 - 0.087107 T	775-870		4	a,e
35.75-64.25	g = 226.3552 - 0.118665 T	775-845		4	a,e
49.39-50.61	g = 209.6978 - 0.09848 T	775-845		4	a,e
50.37-49.63	g = 194.0891 - 0.079463 T	775-845		4	a,e
68.74-31.26	g = 211.7828 - 0.102165 T	810-820		4	a,e
73.63-26.37	g = 200.9088 - 0.088542 T	850-870		4	a,e
	LiCl-RbCl				
0-10 RbCl	g = 126.82 - 6.218 C + 2.0118 C^2 - 0.29664 C^3 + 0.014382 C^4	1023	(264)	4	a,n
	$LiCl-UCl_4$				
0-100	g = 139.33 - 0.1125 T	883-923	(265)	4	a,e
7.20-92.80	g = 128.79 - 0.1 T	883-923		4	a,e
25.64-74.36	g = 109.71 - 0.07499 T	883-923		4	a,e
38.75-61.25	g = 122.75 - 0.08749 T	883-923		4	a,e
40.62-59.38	g = 124.26 - 0.0875 T	883-923		4	a,e
46.61-53.39	g = 114.21 - 0.07499 T	883-923		4	a,e
52.68-47.32	g = 87.11 - 0.03749 T	883-923		4	a,e
55.84-44.16	g = 68.04 - 0.0125 T	883-923		4	a,e
66.11-33.89	g = 97.607 - 0.03749 T	883-923		4	a,e
67.50-32.50	g = 94.607 - 0.03749 T	883-923		4	a,e
72.62-27.38	g = 110.15 - 0.05 T	883-923		4	a,e
82.10-17.90	g = 189.9 - 0.1375 T	883-923		4	a,e
86.24-13.76	g = 224.7 - 0.1725 T	883-923		4	a,e
91.53-8.47	g = 209.43 - 0.15 T	883-923		4	a,e
95.70-4.30	g = 282.13 - 0.2125 T	883-923		4	a,e
100-0	g = 289.16 - 0.16 T	883-923	(266)	4	a,e
For additional LiCl systems, see : $BaCl_2$- ; $CaCl_2$- ; CsCl- ; KCl- ; LiBr-					
	$LiClO_3$				
100	g = 115.6 - 0.0692 T	403-433	±2%	1	a,j
	$LiClO_3-LiNO_3$				
78.7-21.3	g = 117.06 - 0.06054 T	400-440		8	a
82.8-17.2	g = 109.66 - 0.04386 T	410-430		8	a
92.5-7.5	g = 112.7 - 0.05609 T	410-430		8	a
96.8-3.2	g = 107.76 - 0.04676 T	410-430		8	a
	LiF				
100	g = 346.5 - 0.0988 T	1141-1533	±3%	1	a,j
	LiF-LiI				
0-100	g = 140.7 - 0.0565 T	870-1100	(267)	2	a
25-75	g = 164.1 - 0.0617 T	890-1100		2	a
50-50	g = 204.7 - 0.0749 T	690-1170		2	a
75-25	g = 263.5 - 0.0884 T	1080-1220		2	a
100-0	g = 350.2 - 0.0986 T	1140-1240	(268)	2	a
	LiF-NaF				
60-40	g = 321.87 - 0.099357 T	973-1226		7	a,g

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
	$LiF-ThF_4$				
50-50	$g = 399.2 - 0.143\ T$	1152-1232	±3%,(269)	13	k
60-40	$g = 420.1 - 0.165\ T$	1079-1172	±3%,(270)	13	k
66.7-33.3	$g = 406.5 - 0.15\ T$	1008-1147	±3%,(271)	13	k
70-30	$g = 410.6 - 0.151\ T$	1075-1147	±3%,(272)	13	k
80-20	$g = 398 - 0.134\ T$	959-1102	±3%,(273)	13	k
For additional LiF systems, see : BeF_2- ; $CaSiO_3$- ; KF- ; LiBr- ; LiCl-					
	LiI				
100	$g = 125.68 - 0.04302\ T$	743-984	±1.5%	17	k
For additional LiI systems, see : LiBr- ; LiCl- ; LiF-					
	$LiNO_3$				
100	$g = 144.9 - 0.055\ T$	570-770	±1.5%	1	a,j
	$LiNO_3-RbNO_3$				
25-75	$g = 150.5 - 0.075\ T$	467-670		5	a,e
32-68	$g = 151.4 - 0.075\ T$	445-670		5	a,e
50-50	$g = 149.8 - 0.074\ T$	460-670		5	a,e
75-25	$g = 141.1 - 0.059\ T$	497-670		5	a,e
For additional $LiNO_3$ systems, see : $AgNO_3$- ; $CsNO_3$- ; KNO_3- ; $LiClO_3$-					
	$LiOH-Li_2CO_3$				
30-0 LiOH	$g = 242.5 - 0.4932\ C - 0.005415\ C^2$	1038	(274)	8	a
	$LiPO_3$				
100	$g = 212.2 - 0.0222\ T$	1028-1345	n.a.	1	a,j
	$LiPO_3-NaPO_3$				
0-100	$g = 237.02 - 0.0488\ T$	1030-1410	(275)	6	a
10.06-89.94	$g = 237.12 - 0.0484\ T$	1030-1410		6	a
20.02-79.98	$g = 235.91 - 0.0469\ T$	1030-1410		6	a
30.01-69.99	$g = 235.22 - 0.0455\ T$	1030-1410		6	a
40.01-59.99	$g = 234.52 - 0.0444\ T$	1030-1410		6	a
50.06-49.94	$g = 234.73 - 0.0437\ T$	1030-1410		6	a
60.08-39.92	$g = 230.88 - 0.0395\ T$	1030-1410		6	a
71.21-28.79	$g = 228.19 - 0.0355\ T$	1030-1410		6	a
79.92-20.08	$g = 227.94 - 0.0342\ T$	1030-1410		6	a
90-10	$g = 224.04 - 0.0302\ T$	1030-1410		6	a
100-0	$g = 218.28 - 0.0241\ T$	1030-1410	(276)	6	a
For additional $LiPO_3$ systems, see : KPO_3-					
	Li_2CO_3				
100	$g = 284.6 - 0.0406\ T$	1023-1123	±1.5%	1	a,j
	$Li_2CO_3-Li_2O$				
100-60 Li_2CO_3	$g = - 809.2 + 39.98\ C - 0.4919\ C^2 + 0.001974\ C^3$	1038	(277)	8	a
	$Li_2CO_3-Na_2CO_3$				
0-100	$g = 292.2 - 0.072\ T$	1143-1170	(278)	6	a
10-90	$g = 279.3 - 0.0563\ T$	1090-1170		6	a
30-70	$g = 307.8 - 0.0779\ T$	970-1170		6	a
50-50	$g = 308 - 0.0745\ T$	830-1190		6	a
53.3-46.7	$g = 313.5 - 0.0766\ T$	830-1010		6	a
70-30	$g = 298.1 - 0.0604\ T$	910-1170		6	a
90-10	$g = 289 - 0.0482\ T$	990-1190		6	a
100-0	$g = 281.5 - 0.0366\ T$	1010-1170	(279)	6	a
	$Li_2CO_3-SiO_2$				
100-85 Li_2CO_3	$g = - 790.5 + 23.55\ C - 0.1324\ C^2$	1038	(280)	8	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation (Surface Tension (mN m⁻¹))	T range(K)	Accur.	Ref.	Comment
	Li_2CO_3-Tl_2O_3				
100-97 Li_2CO_3	g = - 739.95 + 9.802 C	1038	(281)	8	a,b,e
For additional Li_2CO_3 systems, see : Al_2O_3- ; B_2O_3- ; Cs_2CO_3- ; Fe_2O_3- ; K_2CO_3- ; LiCl- ; LiOH-					
	Li_2MoO_4				
100	g = 367.49 - 0.1282 T	1013-1281	±2%	6	a,e
	Li_2MoO_4-MoO_3				
30-70	g = 180.95 - 0.05849 T	1070-1220		8	a
40-60	g = 203.77 - 0.06488 T	920-1250		8	a
60-40	g = 217.46 - 0.05877 T	980-1280		8	a
80-20	g = 233.47 - 0.05342 T	1040-1250		8	a
100-0	g = 276.08 - 0.05786 T	1110-1290	(282)	8	a
	Li_2MoO_4-Na_2MoO_4				
0-100	g = 288.84 - 0.08173 T	1001-1132	(283)	6	a,e
20-80	g = 293.22 - 0.084326 T	870-1070		6	a
38-62	g = 295.52 - 0.08305 T	770-950		6	a,e
45-55	g = 306.17 - 0.08975 T	830-990		6	a,e
52-48	g = 326.87 - 0.1059 T	810-990		6	a,e
75-25	g = 336.07 - 0.10795 T	890-1070		6	a,e
100-0	g = 367.49 - 0.1282 T	1013-1281	(284)	6	a,e
For additional Li_2MoO_4 systems, see : K_2MoO_4-					
	Li_2O				
For Li_2O systems, see : Li_2CO_3-					
	Li_2SiO_3				
100	g = 490.268 - 0.077906 T	1527-1874	n.a.	1	a,j
	Li_2SO_4				
100	g = 301 - 0.0672 T	1133-1373	±2%	1	a,j
	Li_2SO_4-NaCl				
0-100	g = 191.72 - 0.07 T	1173-1373	(285)	8	a,e
25-75	g = 218.42 - 0.074 T	1173-1373		8	a,e
50-50	g = 233.47 - 0.072 T	1173-1373		8	a,e
70-30	g = 236.64 - 0.058 T	1173-1373		8	a,e
90-10	g = 269.39 - 0.06 T	1173-1373		8	a,e
97.5-2.5	g = 281.94 - 0.062 T	1173-1373		8	a,e
98-2	g = 294.32 - 0.07 T	1173-1373		8	a,e
98.5-1.5	g = 289.63 - 0.066 T	1173-1373		8	a,e
99-1	g = 292.23 - 0.066 T	1173-1373		8	a,e
100-0	g = 300.08 - 0.064 T	1173-1373	(286)	8	a,e
	Li_2SO_4-$NaPO_3$				
0-100	g = 228.7 - 0.0398 T	940-1100	(287)	8	a
10-90	g = 224.8 - 0.0352 T	780-980		8	a
	Li_2SO_4-RbCl				
0-100	g = 181.15 - 0.084 T	1173-1373	(288)	8	a,e
40-60	g = 184.58 - 0.068 T	1173-1373		8	a,e
60-40	g = 199.13 - 0.062 T	1173-1373		8	a
70-30	g = 210.4 - 0.06 T	1173-1323		8	a
80-20	g = 215.6 - 0.052 T	1173-1373		8	a,e
90-10	g = 245.1 - 0.056 T	1173-1373		8	a,e
97-3	g = 252.86 - 0.05 T	1173-1373		8	a
98-2	g = 265.55 - 0.054 T	1173-1373		8	a,e
98.5-1.5	g = 278.14 - 0.062 T	1173-1373		8	a,e
99-1	g = 278.71 - 0.06 T	1173-1273		8	a,e
99.25-0.75	g = 285.43 - 0.06501 T	1173-1373		8	a,e
99.5-0.5	g = 286.63 - 0.066 T	1173-1373		8	a,e

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Surface Tension (mN m^{-1})				
99.75-0.25	g = 291.03 - 0.066 T	1173-1373		8	a,e
100-0	g = 300.08 - 0.064 T	1173-1373	(289)	8	a,e
For additional Li_2SO_4 systems, see : $BaCl_2$- ; CsCl- ; KCl-					
	Li_2WO_4				
100	g = 322.59 - 0.084855 T	1030-1236	±2%	6	a
	Li_2WO_4-Na_2WO_4				
0-100	g = 254.095 - 0.0552521 T	969-1179	(290)	6	a
15-85	g = 298.5 - 0.089915 T	952-1065		6	a,b,e
30-70	g = 278.635 - 0.0676386 T	889-1097		6	a
40-60	g = 283.02 - 0.06527 T	813-1036		6	a,e
52.6-47.4	g = 304.84 - 0.08659 T	779-1005		6	a,e
70-30	g = 285.53 - 0.06312 T	887-1088		6	a,e
85-15	g = 293.86 - 0.0671567 T	994-1162		6	a
100-0	g = 322.59 - 0.084855 T	1030-1236	(291)	6	a
	Li_2WO_4-WO_3				
50-50	g = 284.4 - 0.07641 T	1120-1200		8	a
70-30	g = 284.19 - 0.07628 T	1000-1240		8	a
100-0	g = 279.48 - 0.05556 T	1080-1270	(292)	8	a
For additional Li_2WO_4 systems, see : K_2WO_4-					
	$LuCl_3$				
For $LuCl_3$ systems, see : KCl-					
	$MgCl_2$				
100	g = 65.3426 - 0.003073 T	1010-1160	±1%	4	a,c
	$MgCl_2$-NaCl				
0-100	g = 187 - 0.068 T	1090-1220	(293)	4	a,c
10-90	g = 163.9 - 0.056 T	1030-1170		4	a,c
20-80	g = 142.7 - 0.043 T	980-1170		4	a,c
30-70	g = 130.1 - 0.035 T	980-1170		4	a,c
40-60	g = 124.4 - 0.033 T	980-1170		4	a,c
50-50	g = 114.7 - 0.027 T	980-1170		4	a,c
60-40	g = 105.5 - 0.023 T	980-1170		4	a,c
70-30	g = 98.5 - 0.02 T	980-1170		4	a,c
80-20	g = 88.1 - 0.014 T	980-1170		4	a,c
90-10	g = 81.8 - 0.012 T	980-1170		4	a,c
100-0	g = 76.7 - 0.01 T	1000-1180	(294)	4	a,c
	$MgCl_2$-RbCl				
0.0-100.0	g = 169.38 - 0.07512 T	1009-1113	(295)	4	a
5.6-94.4	g = 152.4464 - 0.06278 T	1040-1110		4	a
15.1-84.9	g = 152.4109 - 0.06681 T	1010-1090		4	a
24.5-75.5	g = 128.8105 - 0.047538 T	1030-1120		4	a
31.2-68.8	g = 123.7692 - 0.045565 T	1030-1110		4	a
33.3-66.7	g = 122.6536 - 0.044621 T	970-1080		4	a
37.0-63.0	g = 130.0286 - 0.052186 T	1030-1110		4	a
48.4-51.6	g = 120.8727 - 0.045257 T	1010-1090		4	a
68.1-31.9	g = 117.8016 - 0.044561 T	1010-1070		4	a
85.7-14.3	g = 97.0127 - 0.027599 T	1030-1110		4	a
92.3-7.7	g = 86.5949 - 0.019163 T	1030-1100		4	a
100.0-0.0	g = 65.3426 - 0.003073 T	1010-1160	(296)	4	a
For additional $MgCl_2$ systems, see : $BaCl_2$- ; $CaCl_2$-KCl- ; $CaCl_2$- ; CsCl- ; KCl- ; LiCl-					
	MgF_2				
For MgF_2 systems, see : $CaSiO_3$-					
	MgO				

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
For MgO systems, see : CaF_2-					
	$Mg(PO_3)_2$				
100	g = 279.99 - 0.0366 T	1430-1500	n.a.	6	a
	$MgSiO_3$				
100	g = 197.3 + 0.098 T	1813-1893	n.a.	1	a,j
	$MnSiO_3$				
100	g = 256.5 + 0.086 T	1723-1853	n.a.	1	a,j
	Mn_2SiO_4				
100	g = 464.3 + 0.015 T	1673-1873	n.a.	1	a,j
	MoO_3-Na_2MoO_4				
0-100	g = 259.71 - 0.06658 T	1110-1290	(297)	8	a
20-80	g = 236.78 - 0.06827 T	990-1230		8	a
40-60	g = 219.95 - 0.06913 T	930-1230		8	a
60-40	g = 205.18 - 0.07382 T	990-1230		8	a
70-30	g = 187.8 - 0.06728 T	1050-1230		8	a
80-20	g = 172.42 - 0.06579 T	1050-1260		8	a
For additional MoO_3 systems, see : K_2MoO_4- ; Li_2MoO_4-					
	$NaBF_4$				
100	g = 140.48 - 0.075 T	700-780	±1.5%	6	a
	$NaBF_4$-NaF				
92-8	g = 150 - 0.075 T	670-850		7	a
100-0	g = 140.48 - 0.075 T	700-780	(298)	7	a
	$NaBO_2$				
100	g = 404.1 - 0.163 T	1288-1714	±3%	1	a,j
	NaBr				
100	g = 164.93 - 0.06276 T	1035-1184	±1.5%	17	k
	NaBr-NaCl				
0-100	g = 197.3 - 0.074 T	1090-1180	(299)	2	a
50-50	g = 185 - 0.072 T	1030-1170		2	a
100-0	g = 175.3 - 0.07 T	1040-1130	(300)	2	a
	NaBr-RbBr				
0-100	g = 157.7 - 0.072 T	1000-1100	(301)	3	a
25-75	g = 160 - 0.072 T	880-1160		3	a
50-50	g = 160.3 - 0.069 T	800-1160		3	a
75-25	g = 166.4 - 0.07 T	920-1160		3	a
100-0	g = 175.3 - 0.07 T	1040-1120	(302)	3	a
For additional NaBr systems, see : AgBr- ; AgCl- ; $BaBr_2$- ; CsBr- ; KBr- ; KCl- ; K_2SO_4- ; LiBr-					
	NaCl				
100	g = 191.16 - 0.07188 T	1080-1240	±0.5%	8	d
100	g = 193.48 - 0.0747 T	1103-1223	±1.5%,(303)	14	k
	NaCl-NaF				
10-90 NaCl	g = 208.8 - 6.135 C + 0.1591 C^2 - 0.001843 C^3 + 7.736 x 10^{-6} C^4	1273		2	a,n
	NaCl-NaF-NaI				
31.6-15.2-53.2	g = 152 + 0.06 T	820-1020	±2%	23	k
	NaCl-$NaNO_3$				
10-90	(T=743 K, g=110.1)			8	a
	NaCl-Na_2O				
99.28-0.72	g = 269.8 - 0.1175 T	1190-1270		8	a
99.52-0.48	g = 222.6 - 0.0893 T	1190-1270		8	a
99.65-0.35	g = 171.9 - 0.0962 T	1190-1270		8	a
99.80-0.20	g = 186.4 - 0.0795 T	1190-1270		8	a
99.90-0.10	g = 178.1 - 0.0652 T	1190-1270		8	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Surface Tension (mN m^{-1})				
100.0-0.0	g = 225 - 0.0981 T	1190-1270	(304)	8	a
	$NaCl-Na_2SO_4$				
0-100	g = 269 - 0.066 T	1170-1460	(305)	8	a
25-75	g = 248.4 - 0.07 T	1000-1470		8	a
50-50	g = 227.8 - 0.07 T	980-1470		8	a
75-25	g = 208.3 - 0.07 T	1025-1470		8	a
100-0	g = 197.3 - 0.074 T	1080-1473	(306)	8	a
100-90 Na_2SO_4	g = 69.65 + 1.205 C	1173	(307)	8	a
	$NaCl-PbCl_2$				
0.0-100.0	g = 222.2 - 0.11 T	800-980	(308)	4	a
25.0-75.0	g = 207.5 - 0.102 T	720-920		4	a
50.0-50.0	g = 214.5 - 0.107 T	840-1020		4	a
75.2-24.8	g = 212.6 - 0.1 T	1000-1180		4	a
100.0-0.0	g = 216.2 - 0.093 T	1100-1280	(309)	4	a
	$NaCl-PrCl_3$				
0-100	g = 146.1 - 0.03729 T	1103-1199	(310)	14	k
13.8-86.2	g = 177.31 - 0.06738 T	1148-1183		14	k
29-71	g = 171.39 - 0.06404 T	1088-1198		14	k
42.9-57.1	g = 168.87 - 0.06255 T	1151-1213		14	k
56.9-43.1	g = 184.69 - 0.0747 T	1163-1203		14	k
71-29	g = 164.6 - 0.05582 T	1093-1202		14	k
100-0	g = 193.48 - 0.0747 T	1103-1223	(311)	14	k
	NaCl-RbCl				
0-100	g = 169.5 - 0.074 T	1010-1130	(312)	4	a
25-75	g = 174.8 - 0.076 T	900-1170		4	a
50-50	g = 177 - 0.074 T	870-1170		4	a
75-25	g = 184 - 0.074 T	980-1170		4	a
100-0	g = 197.3 - 0.074 T	1090-1170	(313)	4	a
	$NaCl-SrCl_2$				
100-0 $SrCl_2$	g = 113.937 + 0.39798 C + 2.679 x 10^{-4} C^2 + 1.4376 x 10^{-5} C^3	1073	(314)	4	a,n
	$NaCl-UCl_3$				
0-100	g = 311.5 - 0.165 T	1123-1273	(315)	21	k
10-90	g = 288 - 0.147 T	1115-1273		21	k
20-80	g = 271.8 - 0.135 T	1115-1262		21	k
30-70	g = 212 - 0.128 T	1110-1300		21	k
40-60	g = 239 - 0.111 T	1098-1253		21	k
50-50	g = 229 - 0.103 T	1098-1300		21	k
60-40	g = 223 - 0.098 T	1085-1280		21	k
70-30	g = 218 - 0.095 T	1088-1258		21	k
80-20	g = 209 - 0.086 T	1083-1273		21	k
91-9	g = 202.85 - 0.082 T	1073-1271		21	k
100-0	g = 202.7 - 0.081 T	1073-1273	(316)	21	k

For additional NaCl systems, see : AgBr- ; $BaCl_2$- ; BaFCl- ; BaF_2- ; $CaCl_2$-$MgCl_2$- ; $CaCl_2$- ; $CdCl_2$- ; CsCl- ; KBr- ; KCl- ; K_2ZrF_6- ; $LaCl_3$- ; LiCl- ; Li_2SO_4- ; $MgCl_2$- ; NaBr-

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	$NaClO_3$				
100	g = 130.4 - 0.0738 T	538-563	±2%	1	a,j
	$NaClO_3-NaNO_3$				
38.9-61.1	g = 138.13 - 0.06197 T	520-560		8	a
51.5-48.5	g = 135.72 - 0.06339 T	510-560		8	a
72.7-27.3	g = 131.94 - 0.06594 T	520-550		8	a
100-0	g = 130.4 - 0.0738 T	538-563	(317)	8	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation (Surface Tension (mN m^{-1}))	T range(K)	Accur.	Ref.	Comment
	NaF				
100	g = 289.6 - 0.082 T	1273-1353	±8%	1	a,c,j
	$NaF-NaNO_3$				
10-90	(T=833 K, g=108.27)			8	a
	$NaF-Na_2B_4O_7$				
76-38 $Na_2B_4O_7$	g = 201.2 + 0.5182 C - 0.002283 C^2	1223		8	a,b,m
	$NaF-ZrF_4$				
75-25	(T=1324.2 K, g=134.8)			7	a
80-20	g = 310.18 - 0.1258 T	1284-1319		7	a,e
85-15	g = 248.31 - 0.0705 T	1213-1318		7	a,e
90-10	g = 303.52 - 0.1052 T	1222-1319		7	a,e
95-5	(T=1316.2 K, g=175)			7	a
100-0	(T=1325.2 K, g=186.3)		(318)	7	a
For additional NaF systems, see : AlF_3- ; $BaCl_2$- ; BeF_2- ; $CaSiO_3$- ; KF- ; LiF- ; $NaBF_4$- ; NaCl-					
	NaI				
100	g = 139.83 - 0.0573 T	946-1165	±1.5%	17	k
	$NaI-NaNO_3$				
10-90	(T=585 K, g=119.1)			8	a
	$NaI-Na_2SO_4$				
100-90 Na_2SO_4	g = - 107.8 + 2.756 C	1173	(319)	8	a
For additional NaI systems, see : KCl- ; NaCl-NaF-					
	$NaNO_2$				
100	g = 143.8 - 0.041 T	564-657	±1.5%	1	a,j
	$NaNO_2-NaNO_3$				
20-80	g = 138.6 - 0.039 T	530-710		5	a,e
40-60	g = 136.7 - 0.035 T	515-695		5	a,e
60-40	g = 139.3 - 0.038 T	530-710		5	a,e
67.5-32.5	g = 138.7 - 0.038 T	545-710		5	a,e
80-20	g = 135 - 0.03 T	560-740		5	a,e
	$NaNO_3$				
100	g = 155.5 - 0.0613 T	589-869	±1%	1	a,c,j
	$NaNO_3-RbNO_3$				
25-75	g = 153.3 - 0.076 T	475-670		5	a,e
40-60	g = 153.7 - 0.075 T	460-670		5	a,e
50-50	g = 153.6 - 0.073 T	475-670		5	a,e
75-25	g = 154 - 0.068 T	535-670		5	a,e
For additional $NaNO_3$ systems, see : $AgNO_3$- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$- ; $CsNO_3$- ; KCl- ; $KC_2H_3O_2$- ; $KC_3H_5O_2$- ; KNO_3- ; NaCl- ; $NaClO_3$- ; NaF- ; NaI- ; $NaNO_2$-					
	$NaPO_3$				
100	g = 228.7 - 0.0398 T	1005-1250	±2%	1	a,c,j
	$NaPO_3-Na_2SO_4$				
75-25	g = 266.17 - 0.0581 T	940-1120		8	a
87.5-12.5	g = 247.9 - 0.0534 T	910-1030		8	a
99-1	g = 228.8 - 0.0395 T	880-1030		8	a
100-0	g = 228.7 - 0.0398 T	940-1110	(320)	8	a
	$NaPO_3-Na_4P_2O_7$				
26.0-74.0	g = 261.1 - 0.03784 T	1000-1140		8	a
27.5-72.5	g = 259.2 - 0.03795 T	910-1090		8	a
40.0-60.0	g = 247.6 - 0.03789 T	850-1060		8	a
42.0-58.0	g = 239.5 - 0.03793 T	910-970		8	a

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
	$NaPO_3$-Rb_2SO_4				
75-25	g = 209 - 0.053 T	810-1050		8	a
87.5-12.5	g = 214.05 - 0.047 T	870-1080		8	a
100-0	g = 228.7 - 0.0398 T	940-1100	(321)	8	a
	$NaPO_3$-UO_2SO_4				
87.5-12.5	g = 380.4 - 0.181 T	930-1030		8	a
100-0	g = 228.7 - 0.0398 T	930-1100	(322)	8	a
	$NaPO_3$-ZnO				
65.2-34.8	g = 283.1 - 0.041 T	1270-1360		8	a
73.8-26.2	g = 250.3 - 0.0323 T	1090-1360		8	a
87.2-12.8	g = 236.5 - 0.0413 T	970-1360		8	a
	$NaPO_3$-$Zn(PO_3)_2$				
0-100	g = 196.58 + 0.00195 T	1244-1476	(323)	6	a,b,e
17.1-82.9	g = 196.87 - 0.0142 T	1222-1347		6	a
35.8-64.2	g = 189.87 - 0.0153 T	1170-1350		6	a
48.2-51.8	g = 193.19 - 0.0223 T	1130-1350		6	a
59.1-40.9	g = 196.58 - 0.0241 T	1110-1310		6	a
68.7-31.3	g = 207.83 - 0.0338 T	1090-1310		6	a
78.4-21.6	g = 205.86 - 0.031 T	1090-1310		6	a
89.8-10.2	g = 216.54 - 0.0375 T	1074-1353		6	a
95.5-4.5	g = 220.68 - 0.0395 T	1070-1347		6	a
100-0	g = 233.53 - 0.0492 T	1073-1373	(324)	6	a
For additional $NaPO_3$ systems, see : $Ca(PO_3)_2$- ; KPO_3- ; $LiPO_3$- ; Li_2SO_4-					
	$NaSCN$				
100	g = 134.9312 - 0.05266 T	583-597	±1.5%	14	k
For additional NaSCN systems, see : KSCN-					
	$Na_2B_4O_7$				
100	g = 293.895 - 0.050966 T	1020-1225	n.a.	8	a
	$Na_2B_4O_7$-WO_3				
56.3-43.7	g = 286.613 - 0.093663 T	1070-1370		8	a,e
61.8-38.2	g = 306.12 - 0.10646 T	1070-1370		8	a
66.7-33.3	g = 335.378 - 0.12486 T	1070-1370		8	a,e
75-25	g = 339.96 - 0.125 T	1073-1373		8	a,e
81.8-18.2	g = 337.938 - 0.11635 T	1070-1370		8	a,e
87.5-12.5	g = 325.922 - 0.10312 T	1070-1370		8	a,e
90-10	g = 325.29 - 0.10047 T	1070-1370		8	a
92.3-7.7	g = 341.616 - 0.11131 T	1070-1370		8	a,e
96.4-3.6	g = 347.26 - 0.11339 T	1070-1370		8	a
100-0	g = 364.06 - 0.12401 T	1070-1370	(325)	8	a
	$Na_2B_4O_7$-ZrF_4				
93-72 $Na_2B_4O_7$	g = - 222.3 + 11.71 C - 0.073 C^2	1223		8	a
For additional $Na_2B_4O_7$ systems, see : B_2O_3- ; CaF_2- ; KCl- ; KF- ; K_2ZrF_6- ; LiCl- ; NaF-					
	Na_2CO_3				
100	g = 268.5 - 0.0502 T	1143-1278	±1%	1	a,j
For additional Na_2CO_3 systems, see : K_2CO_3-Li_2CO_3- ; K_2CO_3- ; Li_2CO_3-					
	Na_2MoO_4				
100	g = 286.3 - 0.076884 T	971-1485	±3%	1	a,c,j
For additional Na_2MoO_4 systems, see : Li_2MoO_4- ; MoO_3-					

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation (Surface Tension (mN m⁻¹))	T range(K)	Accur.	Ref.	Comment
	Na_2O-$Zn(PO_3)_2$				
9.4-90.6	g = 208.45 - 0.0148 T	1200-1440		8	a
27-73	g = 235.31 - 0.0304 T	1200-1380		8	a
40.3-59.7	g = 249.33 - 0.0295 T	1170-1350		8	a
57.9-42.1	g = 308.18 - 0.0465 T	1290-1380		8	a
For additional Na_2O systems, see : NaCl-					
	Na_2SO_4				
100	g = 269 - 0.066 T	1170-1460	±2%	6	a
	Na_2SO_4-RbCl				
100-90 Na_2SO_4	g = 6.2 + 1.72 C	1323	(326)	8	a
	Na_2SO_4-Rb_2SO_4				
0-100	g = 207.89 - 0.06 T	1360-1460	(327)	6	a,b,e
50-50	g = 230.23 - 0.066 T	1080-1460		6	a
75-25	g = 244.13 - 0.066 T	980-1460		6	a
100-0	g = 269.03 - 0.066 T	1170-1460	(328)	6	a
For additional Na_2SO_4 systems, see : $CaSO_4$- ; Cs_2SO_4- ; KBr- ; KI- ; K_2SO_4- ; NaCl- ; NaI- ; $NaPO_3$-					
	$Na_2S_{3.0}$				
100	g = 210.22 - 0.0607 T	583-691	±1.5%	6	a
	$Na_2S_{3.1}$				
100	g = 237.21 - 0.1198 T	588-673	±1.5%	6	a
	$Na_2S_{3.3}$				
100	g = 191.61 - 0.06496 T	586-671	±1.5%	6	a
	$Na_2S_{3.6}$				
100	g = 162 - 0.03395 T	589-677	±1.5%	6	a
	$Na_2S_{3.9}$				
100	g = 153.62 - 0.03592 T	539-676	±1.5%	6	a
	Na_2S_4				
100	g = 177.24 - 0.065571 T	625-710	±1.5%	6	a
	$Na_2S_{4.1}$				
100	g = 163.08 - 0.05809 T	556-641	±1.5%	6	a
	$Na_2S_{4.3}$				
100	g = 168.25 - 0.06729 T	602-676	±1.5%	6	a
	$Na_2S_{4.7}$				
100	g = 169.8 - 0.071 T	562-671	±1.5%	6	a
	$Na_2S_{4.8}$				
100	g = 182.95 - 0.09153 T	625-688	±1.5%	6	a
	Na_2S_5				
100	g = 184.87 - 0.101353 T	635-700	±1.5%	6	a
	$Na_2S_{5.2}$				
100	g = 138.74 - 0.03901 T	616-661	±1.5%	6	a
	Na_2WO_4				
100	g = 272.323 - 0.069709 T	983-1868	±3%	1	a,c,j
	Na_2WO_4-WO_3				
40-60	g = 256.7 - 0.08772 T	1130-1280		8	a
55-45	g = 276.73 - 0.0988 T	1100-1250		8	a
60-40	g = 275.92 - 0.09466 T	1100-1220		8	a
70-30	g = 305.58 - 0.11535 T	1070-1250		8	a
80-20	g = 286.18 - 0.09312 T	1040-1250		8	a
100-0	g = 262.98 - 0.06603 T	1040-1250	(329)	8	a

For additional Na_2WO_4 systems, see : Li_2WO_4-

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
	Na_3AlF_6				
100	g = 297 - 0.128 T	1273-1353	±1.5%	1	a,j
100	g = 309.896 - 0.1369 T	1273-1373	±1%,(330)	24	d
For additional Na_3AlF_6 systems, see : Al_2O_3-KF- ; Al_2O_3- ; KF- ; K_3AlF_6-					
	$Na_4P_2O_7$				
100	g = 389.56 - 0.11001 T	1280-1370	n.a.	8	a
	$Na_4P_2O_7$-WO_3				
34-66	g = 303.37 - 0.10246 T	1120-1360		8	a
40-60	g = 321.46 - 0.11081 T	1120-1360		8	a
45-55	g = 334.214 - 0.11683 T	1120-1360		8	a,e
50-50	g = 316.743 - 0.10014 T	1120-1360		8	a,e
55.2-44.8	g = 326.81 - 0.10424 T	1120-1360		8	a
60-40	g = 331.714 - 0.10344 T	1120-1360		8	a,e
69.3-30.7	g = 340.58 - 0.10081 T	1270-1370		8	a
77.8-22.2	g = 374.622 - 0.12203 T	1270-1370		8	a,e
85.72-14.28	g = 414.07 - 0.14601 T	1270-1370		8	a
92.5-7.5	g = 380.4 - 0.11301 T	1270-1370		8	a
100-0	g = 389.56 - 0.11001 T	1280-1370	(331)	8	a
For additional $Na_4P_2O_7$ systems, see : $NaPO_3$-					
	$NdCl_3$				
For $NdCl_3$ systems, see : KCl- ; KCl*NaCl-					
	NH_4NO_3				
100	g = 148.4 - 0.105 T	443-493	±2%	1	a,j
	$PbCl_2$				
100	g = 233.7 - 0.124 T	791-845	±1.5%	1	a,j
100	g = 227.9 - 0.122 T	823-873		20	
	$PbCl_2$-RbCl				
27.50-72.50	g = 174.1704 - 0.082888 T	840-860		4	a
42.23-57.77	g = 188.6019 - 0.102465 T	800-820		4	a
45.00-55.00	g = 166.1787 - 0.073647 T	800-850		4	a
49.08-50.92	g = 180.3699 - 0.091331 T	800-845		4	a
68.10-31.90	g = 189.8578 - 0.098722 T	800-845		4	a
80.20-19.80	g = 200.7342 - 0.103011 T	800-845		4	a
96.04-3.96	g = 224.1056 - 0.117755 T	800-850		4	a
100.00-0.00	g = 233.7 - 0.124 T	791-845	(332)	4	a
For additional $PbCl_2$ systems, see : AgCl- ; $CdCl_2$- ; CsCl- ; KCl-LiCl- ; KCl-NaCl- ; KCl- ; LiCl- ; NaCl-					
	$PbMoO_4$				
100	g = 257.94 - 0.08051 T	1380-1470	±3%	8	d
	$PbMoO_4$-PbO				
0-100	g = 244.26 - 0.0695 T	1300-1350	(333)	8	a
5-95	g = 196.6 - 0.0455 T	1300-1400		8	a
12-88	g = 174.14 - 0.0327 T	1140-1220		8	a
40-60	g = 238.05 - 0.0581 T	1280-1360		8	a
60-40	g = 198 - 0.0395 T	1240-1360		8	a
80-20	g = 209.68 - 0.0473 T	1360-1440		8	a
100-0	g = 257.94 - 0.08051 T	1380-1470	(334)	8	a
For additional $PbMoO_4$ systems, see : $Bi_2(MoO_4)_3$-					
	PbO				
100	g = 244.26 - 0.0695 T	1300-1350	±3%	8	d

Table 2.2.a Surface Tension data (continued)

(mol %)	Equation — Surface Tension ($mN\ m^{-1}$)	T range(K)	Accur.	Ref.	Comment
For additional PbO systems, see : $PbMoO_4$-					
	$PbWO_4$				
100	$g = 279.367 - 0.07836\ T$	1413-1504	±3%	6	a
For additional $PbWO_4$ systems, see : $Bi_2(WO_4)_3$-					
	$PrCl_3$				
100	$g = 146.1 - 0.03729\ T$	1103-1199	±1.5%	14	k
For additional $PrCl_3$ systems, see : $CaCl_2$- ; KCl- ; KCl*NaCl- ; NaCl-					
	P_2O_3				
100	$g = 72.1 - 0.116\ T$	304-383	n.a.	1	a, j
	P_2O_5				
100	$g = 67.8 - 0.021\ T$	373-573	n.a.	1	a, j
	RbBr				
100	$g = 150.91 - 0.06669\ T$	974-1183		17	k
	RbBr-RbCl				
0-100	$g = 169.5 - 0.074\ T$	1010-1130	(335)	2	a
50-50	$g = 164.4 - 0.074\ T$	1000-1170		2	a
100-0	$g = 157.7 - 0.072\ T$	1000-1110	(336)	2	a
For additional RbBr systems, see : $BaBr_2$- ; KBr- ; KCl- ; LiBr- ; NaBr-					
	RbCl				
100	$g = 169.38 - 0.07512\ T$	1009-1113	±1%	15	d
	RbCl-RbF				
51-49	(T=1073 K, g=95.1)			2	a
	$RbCl-Rb_2SO_4$				
50-50	$g = 190.6 - 0.07\ T$	1040-1270		8	a
	$RbCl-SrCl_2$				
100-0 $SrCl_2$	$g = 86.48 + 0.086\ C + 0.021234\ C^2 - 4.0993 \times 10^{-4}\ C^3 + 2.7392 \times 10^{-6}\ C^4$	1123	(337)	4	a, n
For additional RbCl systems, see : $BaCl_2$- ; $CaCl_2$- ; KBr- ; K_2SO_4- ; LiCl- ; Li_2SO_4- ; $MgCl_2$- ; NaCl- ; Na_2SO_4- ; $PbCl_2$- ; RbBr-					
	RbF				
100	$g = 209 - 0.0782\ T$	1068-1218	±1.5%	1	a, j
For additional RbF systems, see : RbCl-					
	RbI				
100	$g = 132.89 - 0.06141\ T$	921-1125	±1.5%	17	k
	$RbNO_3$				
100	$g = 157 - 0.083\ T$	603-873	±1%	1	a, j
For additional $RbNO_3$ systems, see : $AgNO_3$- ; $Cd(NO_3)_2$- ; KNO_3- ; $LiNO_3$- ; $NaNO_3$-					
	RbSCN				
100	$g = 124.23 - 0.04796\ T$	480-524	±1.5%	14	k
For additional RbSCN systems, see : KSCN-					
	Rb_2CO_3				
100	$g = 266.4 - 0.1042\ T$	1160-1230	±1.5%	6	a
	Rb_2SO_4				
100	$g = 197.847 - 0.050242\ T$	1359-1818	±3%	1	a, j
For additional Rb_2SO_4 systems, see : Cs_2SO_4- ; K_2SO_4- ; $NaPO_3$- ; Na_2SO_4- ; RbCl-					
	SiO_2				
100	$g = 243.2 + 0.031\ T$	1773-2073	±7%	1	a, j
For additional SiO_2 systems, see : CaF_2- ; Li_2CO_3-					
	$SmCl_3$				

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m⁻¹) Equation	T range(K)	Accur.	Ref.	Comment
For $SmCl_3$ systems, see : KCl*NaCl-					
	$SnCl_2$				
100	g = 154.9 - 0.0984 T	556-729	±1%	1	a,j
	$SnCl_4$				
100	g = 61.0028 - 0.11368 T	295-380	n.a.	4	a
	$SrBr_2$				
100	g = 190 - 0.0439 T	930-1284	±1%	1	a,j
	$SrCl_2$				
100	g = 230.7 - 0.0541 T	1157-1307	±1%	1	a,j
For additional $SrCl_2$ systems, see : CsCl- ; KCl- ; NaCl- ; RbCl-					
	SrI_2				
100	g = 145.3 - 0.0383 T	850-1260	±1.5%	1	a,j
	$Sr(NO_3)_2$				
100	(T=888.16 K, g=128.5)		n.a.	1	a,j
	$Sr(PO_3)_2$				
100	g = 235.1 - 0.0053 T	1303-1355	±1.5%	1	a,j
	ThF_4				
100	g = 460.9 - 0.161 T	1420-1940	±3%	1	a,j
For additional ThF_4 systems, see : BeF_2-LiF- ; LiF-					
	$TiCl_4$				
100	g = 67.411 - 0.11578 T	283-408	±1.5%	4	a
	TiO_2				
For TiO_2 systems, see : CaF_2-					
	$TlNO_3$				
100	g = 132.2 - 0.078 T	499-731	±5%	1	a,j
	Tl_2O_3				
For Tl_2O_3 systems, see : Li_2CO_3-					
	Tl_2S				
100	g = 241.1 - 0.0356 T	773-973	n.a.	1	a,j
	UCl_3				
100	g = 311.5 - 0.165 T	1123-1323	±4%	21	k
For additional UCl_3 systems, see : KCl- ; NaCl-					
	UCl_4				
100	g = 204.95 - 0.185 T	880-960	n.a.	4	a
For additional UCl_4 systems, see : KCl- ; LiCl-					
	UF_4				
100	g = 446.9 - 0.192 T	1320-1700	±3%	1	a,j
	UF_6				
100	g = 70.91 - 0.1574 T	338-345	n.a.	1	a,j
	UO_2SO_4				
For UO_2SO_4 systems, see : $NaPO_3$-					
	V_2O_5				
100	g = 100.5 - 0.0118 T	953-1273	n.a.	8	a
For additional V_2O_5 systems, see : CaF_2- ; KVO_3-					
	WO_3				
For WO_3 systems, see : K_2WO_4- ; Li_2WO_4- ; $Na_2B_4O_7$- ; Na_2WO_4- ; $Na_4P_2O_7$-					
	$ZnBr_2$				
100	g = 62.8 - 0.0172 T	773-873	±3%	1	a,e,j
100	g = 124.9 - 0.0895 T	873-943	±3%	1	a,e,j

Table 2.2.a Surface Tension data (continued)

(mol %)	Surface Tension (mN m^{-1}) Equation	T range(K)	Accur.	Ref.	Comment
	$ZnCl_2$				
100	g = 54.9 - 0.002 T	580-818	±2%	1	a,e,j
100	g = 68.8 - 0.019 T	818-970	±2%	1	a,e,j
For additional $ZnCl_2$ systems, see : KCl-					
	ZnO				
For ZnO systems, see : KPO_3- ; $NaPO_3$- ; $Zn(PO_3)_2$-					
	$Zn(PO_3)_2$				
100	g = 196.58 + 0.00195 T	1244-1476	±3%	6	a
	$Zn(PO_3)_2$-ZnO				
33.3-66.7	g = 323.6 - 0.0066 T	1370-1450		8	a,v2
37.6-62.4	g = 274.7 + 0.0069 T	1350-1450		8	a,v2
42.9-57.1	g = 254.2 + 0.0026 T	1350-1450		8	a,v2
50-50	g = 229.5 + 0.0077 T	1350-1450		8	a,v2
60.2-39.8	g = 196.1 + 0.0231 T	1290-1450		8	a,v2
75.2-24.8	g = 185.2 + 0.0217 T	1270-1370		8	a,v2
For additional $Zn(PO_3)_2$ systems, see : KPO_3- ; K_2O- ; $NaPO_3$- ; Na_2O-					
	$ZrCl_4$				
100	g = 80.91 - 0.1047 T	715-760	±2%	4	a,e
	ZrF_4				
For ZrF_4 systems, see : KF- ; NaF- ; $Na_2B_4O_7$-					
	ZrO_2				
For ZrO_2 systems, see : CaF_2-					

Table 2.2.b Surface Tension data reliability statements

Number	Reliability estimates
1	For 100% AgCl, the results have been advanced as the recommended data set.
2	For 100% AgBr, the results have been advanced as the recommended data set.
3	For 100% AgI, the results have been advanced as the recommended data set.
4	For 100% AgBr, the results have been advanced as the recommended data set.
5	For 100% AgBr, the results have been advanced as the recommended data set.
6	For 100% KCl, the results are approx. 1% lower than the recommended data set, i.e.: 1070 K, -0.9%, 1180 K, -0.7%.
7	For 100% AgBr, the departures from the recommended data set are: 760 K, +4.1%, 900 K, +2.8%.
8	For 100% NaBr, the departures from the recommended data set are: 1060 K, +0.05%, 1170 K, +1.6%.
9	For 100% AgBr, the departures from the recommended data set are: 760 K, +4.1%, 900 K, +2.8%.
10	For 100% NaCl, the departures from the recommended data set are: 1100 K, +0.3%, 1260 K, -1.3%.
11	For 100% AgBr, the departures from the recommended data set are: 760 K, +4.1%, 900 K, +2.8%.
12	For 100% KBr, the departures from the recommended data set are: 1030 K, +3.0%, 1140 K, +2.8%.
13	For 100% AgCl, the departures from the recommended data set are: 740 K, +2.8%, 970 K, +2.4%.
14	For 100% AgCl, the results have been advanced as the recommended data set.
15	For 100% NaBr, the departures from the recommended data set are: 1060 K, +0.05%, 1170 K, +1.6%.
16	For 100% AgCl, the departures from the recommended data set are: 740 K, +2.8%, 960 K, +2.4%.
17	For 100% $PbCl_2$, the departures from the recommended data set are: 775 K, -0.6%, 970 K, +3.4%.
18	For 100% AgCl, the results have been advanced as the recommended data set.
19	For 100% KNO_3, the departures from the recommended data set are: 620 K, -1.4%, 760 K, -0.3%.
20	For 100% $AgNO_3$, the departures from the recommended data set are: 640 K, -0.2%, 820 K, -0.6%.
21	For 100% $LiNO_3$, the results have been advanced as the recommended data set.
22	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, -0.6%, 670 K, -0.5%.
23	For 100% $NaNO_3$, the departures from the recommended data set are: 595 K, -0.4%, 670 K, -0.7%.
24	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, +0.0%, 670 K, +0.5%.
25	For 100% $RbNO_3$, the results have been advanced as the recommended data set.
26	For 100% $AgNO_3$, the departures from the recommended data set are: 600 K, +0.2%, 780 K, -0.3%.
27	For 100% NaF, the results have been advanced as the recommended data set.
28	For 100% CaF_2 at 1873 K, the results have been advanced as the recommended data set.
29	For 100% Na_3AlF_6 the departures from the recommended data set are: 1280 K, -0.02%, 1350 K, +0.09%.
30	For 100% Li_2CO_3 at 1038 K, the departure from the recommended data set is -0.2%.
31	For 100% Na_3AlF_6, the results have been advanced as the recommended data set.
32	For 100% Na_3AlF_6, the departures from the recommended data are: 1280 K, -0.02%, 1350 K, +0.09%
33	For 100% CsBr at 1123 K, the results have been advanced as the recommended data set. For 100% $BaBr_2$ at 1123 K, the departure from the recommended data set is 0.0%.
34	For 100% KBr at 1123 K, the departure from the recommended data set is +2.4%. For 100% $BaBr_2$ at 1123 K, the departure from the recommended data set is 0.0%.
35	For 100% NaBr at 1123 K, the departure from the recommended data set is +1.0%. For 100% $BaBr_2$ at 1123 K, the departure from the recommended data set is 0.0%.
36	For 100% RbBr at 1123 K, the results have been advanced as the recommended data set. For 100% $BaBr_2$ at 1123 K, the departure from the recommended data set is 0.0%.
37	For 100% $CaCl_2$, the departures from the recommended data set are: 1070 K, -0.9%, 1140 K, -1.4%.
38	For 100% CsCl, the departures from the recommended data set are: 940 K, -0.2%, 1060 K, -0.4%.
39	For 100% $BaCl_2$, the departures from the recommended data set are: 1260 K, -0.2%, 1360 K, -0.3%.
40	For 100% KCl, the departures from the recommended data set are: 1110 K, -1.1%, 1190 K, -0.6%.
41	For 100% $BaCl_2$, the departures from the recommended data set are: 1260 K, -2.9%, 1310 K, -4.2%.
42	For 100% KF, the departures from the recommended data set are: 1185 K 1.1%, 1298K 0.8%
43	For 100% $BaCl_2$, the departures from the recommended data set are: 1273 K -0.05%, 1360K 0.03%
44	For 100% LiCl, the departures from the recommended data set are: 900 K, +10.8%, 1060 K, +10.0%.
45	For 100% $BaCl_2$, the results have been advanced as the recommended data set.
46	For 100% Li_2SO_4, the departures from the recommended data set are: 1273 K, +1.6%, 1323 K, +1.7%.
47	For 100% $BaCl_2$, the departures from the recommended data set are: 1273 K, +3.8%, 1323 K, +3.2%.
48	For 100% $MgCl_2$, the departures from the recommended data set are: 1030 K, +16.6%, 1190 K, +13.4%.
49	For 100% NaCl, the results are in exact accord with the recommended data set.
50	For 100% $BaCl_2$, the results have been advanced as the recommended data set.
51	For 100% NaF, the departures from the recommended data set are: 1273 K -0.06%, 1353K -1.2%

Table 2.2.b Surface Tension data reliability statements (continued)

Number	Reliability estimates
52	For 100% $BaCl_2$, the departures from the recommended data set are: 1273 K -0.05%, 1360K 0.03%
53	For 100% RbCl at 1123 K, the departure from the recommended data set is -0.5%.
54	For 100% kCl, the departures from the recommended data set are: 1089 K 2.1%, 1154K 2.9%
55	For 100% BaFCl, the results have been advanced as the recommended data set.
56	For 100% NaCl, the departures from the recommended data set are: 1173 K 2.0%, 1240K -0.25%
57	For 100% BaFCl, the results have been advanced as the recommended data set.
58	For 100% $CaSiO_3$ at 1823 K, the departure from the recommended data set is +21%.
59	For 100% kCl, the departures from the recommended data set are: 1089 K 2.1%, 1154K 2.9%
60	For 100% NaCl, the departures from the recommended data set are 1173 K 2.0%, 1240K -0.25%
61	For 100% KPO_3, the results have been advanced as the recommended data set.
62	For 100% $Ba(PO_3)_2$, the results have been advanced as the recommended data set.
63	Relative to the recommended data base for 100% LiF, the accuracy limits of ± 3% can be assigned.
64	Relative to the recommended data base for 100% LiF, the accuracy limits of ± 3% can be assigned.
65	Relative to the recommended data base for 100% LiF, the accuracy limits of ± 3% can be assigned.
66	Relative to the recommended data base for 100% LiF, the accuracy limits of ± 3% can be assigned.
67	Relative to the recommended data base for 100% LiF, the accuracy limits of ± 3% can be assigned.
68	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
69	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
70	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
71	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
72	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
73	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
74	For 100% $PbMoO_4$, the departures from the recommended data set are: 1375 K, -0.6%, 1400 K, -0.4%.
75	For 100% $Bi_2(MoO_4)_3$, the results have been advanced as the recommended data set.
76	For 100% $PbWO_4$, the results have been advanced as the recommended data set.
77	For 100% $Bi_2(WO_4)_3$, the results have been advanced as the recommended data set.
78	For 100% Li_2CO_3 at 1038 K, the departure from the recommended data set is -0.2%.
79	For 100% $Na_2B_4O_7$, the results have been advanced as the recommended data set.
80	For 100% CsCl, the departures from the recommended data set are: 1060 K, -2.1%, 1150 K, -0.2%.
81	For 100% $CaCl_2$, the departures from the recommended data set are: 1070 K, +1.3%, 1140 K, +2.3%.
82	For 100% KCl, the results are in exact accord with the recommended data set.
83	For 100% $CaCl_2$, the results have been advanced as the recommended data set.
84	For 100% LiCl and 100% $CaCl_2$, the results have been advanced as the recommended data set.
85	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
86	For 100% $CaCl_2$, the results have been advanced as the recommended data set.
87	For 100% NaCl, the present results are about 1.8% higher than the recommended data set over the complete temperature range.
88	For 100% $CaCl_2$, the results have been advanced as the recommended data set.
89	The data set for 100% $PrCl_3$ has been advanced elsewhere as the recommended set.
90	For 100% $CaCl_2$, the departures from the recommended data set are: 1100 K, -0.4%; 1200 K, -0.04%.
91	For both 100% $CaCl_2$ and 100% RbCl at 1073 K, the results are in exact accord with the recommended data set.
92	For 100% CaF_2, the results have been advanced as the recommended data set.
93	For 100% $CaSiO_3$ at 1823 K, the departure from the recommended data set is +21%.
94	For 100% $CsNO_3$, the departures from the recommended data set are: 690 K, 0.0%, 780 K, +0.1%.
95	For 100% KNO_3, the departures from the recommended data set are: 620 K, -1.3%, 760 K, -1.5%.
96	For 100% $NaNO_3$, the departures from the recommended data set are: 595 K, -3.4%, 720 K, -3.4%.
97	For 100% $NaPO_3$, the departures from the recommended data set are: 1080 K, -0.8%, 1420 K, -5.2%.
98	For 100% $Ca(PO_3)_2$, the departures from the recommended data set are: 1270 K, +1.4%, 1420 K, +0.4%.
99	For 100% $CaSiO_3$ at 1823 K, the departure from the recommended data set is +21%.
100	For 100% $CaSiO_3$ at 1823 K, the departure from the recommended data set is +21%.
101	For 100% $CaSiO_3$ at 1823 K, the departure from the recommended data set is +21%.
102	For 100% Na_2SO_4, the departures from the recommended data set are: 1240 K, +0.1%, 1460 K, -0.3%.

Table 2.2.b Surface Tension data reliability statements (continued)

Number	Reliability estimates
103	For 100% $CdCl_2$, the departures from the recommended data set are: 880 K, -0.3%, 970 K, -0.1%.
104	For 100% $CdBr_2$, the departures from the recommended data set are: 880 K, +2.3%, 970 K, +1.3%.
105	For 100% $CdBr_2$, the results have been advanced as the recommended data set.
106	For 100% $CdBr_2$, the results have been advanced as the recommended data set.
107	For 100% KBr, the departures from the recommended data set are: 1080 K, +1.8%, 1240 K, +3.2%.
108	For 100% $CdCl_2$, the results have been advanced as the recommended data set.
109	For 100% $PbCl_2$, the departures from the recommended data set are: 775 K, -0.6%, 970 K, +3.4%.
110	For 100% $CdCl_2$, the departures from the recommended data set are: 880 K, -0.7%, 970 K, -0.9%.
111	For 100% KNO_3, the departures from the recommended data set are: 620 K, -1.2%, 760 K, -1.5%.
112	For 100% $NaNO_3$, the departures from the recommended data set are: 600 K, -3.0%, 700 K, -3.0%.
113	For 100% $RbNO_3$, the departures from the recommended data set are: 610 K, -0.9%, 730 K, +0.6%.
114	Insufficient details for firm estimate. Based on the principles of the method, possibly 2.5%
115	For 100% CsBr, the departures from the recommended data set are: 930 K, +0.4%, 1070 K, +1.4%.
116	For 100% CsI, the departures from the recommended data set are: 930 K, +1.3%, 1070 K, +1.7%.
117	For 100% CsBr, the departures from the recommended data set are: 930 K, +0.4%, 1070 K, +1.4%.
118	For 100% KBr, the departures from the recommended data set are: 1020 K, +2.9%, 1120 K, +2.9%.
119	For 100% CsBr, the results have been advanced as the recommended data set.
120	For 100% NaBr, the departures from the recommended data set are: 1060 K, 0.0%, 1120 K, +0.6%.
121	For 100% CsBr, the results have been advanced as the recommended data set.
122	For 100% CsI, the departures from the recommended data set are: 930 K, +1.3%, 1070 K, +1.7%.
123	For 100% Cs_2SO_4, the departures from the recommended data set are: 1300 K, +3.1%, 1450 K, +2.3%.
124	For 100% CsCl, the departures from the recommended data set are: 1060 K, +0.1%, 1450 K, +2.8%.
125	For 100% CsCl, the departures from the recommended data set are: 940 K, -0.2%, 1060 K, -0.4%.
126	For 100% LiCl, the departures from the recommended data set are: 900 K, +10.8%, 1060 K, +10.0%.
127	For 100% CsCl, the departures from the recommended data set are: 940 K, -0.2%, 1060 K, -0.4%.
128	For 100% Li_2SO_4, the departures from the recommended data set are: 1173 K, +1.4%, 1373 K, +1.7%.
129	For 100% CsCl, the departures from the recommended data set are: 1173 K, +1.0%, 1373 K, -3.8%.
130	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
131	For 100% CsCl, the departures from the recommended data set are: 950 K, -0.18%, 1070 K, -0.14%.
132	For 100% NaCl, the departures from the recommended data set are: 1100 K, +3.4%, 1140 K, +3.5%.
133	For 100% CsCl, the departures from the recommended data set are: 980 K, +3.8%, 1100 K, +5%.
134	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
135	For 100% $SrCl_2$ and 100% CsCl at 1123 K, the departures from the recommended data set are, respectively, +1.2% and +1.3%.
136	For 100% KNO_3, the departures from the recommended data set are: 620 K, +1.3%, 670 K, +0.8%.
137	For 100% $CsNO_3$, the results have been advanced as the recommended data set.
138	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, -0.4%, 670 K, -0.7%.
139	For 100% $CsNO_3$, the results have been advanced as the recommended data set.
140	For 100% Li_2CO_3 at 1038 K, the departure from the recommended data set is -0.2%.
141	For 100% K_2SO_4, the departures from the recommended data set are: 1370 K, +0.2%, 1460 K, +1.0%.
142	For 100% Cs_2SO_4, the departures from the recommended data set are: 1300 K, +3.1, 1450 K, +2.3%.
143	For 100% Na_2SO_4, the results have been advanced as the recommended data set.
144	For 100% Cs_2SO_4, the departures from the recommended data set are: 1300 K, +3.1%, 1450 K, +2.3%.
145	For 100% Rb_2SO_4, the departures from the recommended data set are: 1350 K, -2.4%, 1460 K, -3.4%.
146	For 100% Cs_2SO_4, the departures from the recommended data set are: 1300 K, +3.1%, 1450 K, +2.3%.
147	For 100% Li_2CO_3 at 1038 K, the departure from the recommended data set is -0.2%.
148	For 100% KCl, the results fall uniformly above the recommended data set, e.g.: 1023 K, +1.3%, 1073 K, +2.5%.
149	For 100% KCl, the results are approx. 3% higher than the recommended data set, e.g.: 1080 K, +2.7%, 1170 K, +2.8%.
150	For 100% KBr, the departures from the recommended data set are: 1030 K, +2.8%, 1120 K, +2.9%.
151	For 100% KBr, the departures from the recommended data set are: 1030 K, +1.9%, 1070 K, +1.1%.
152	For 100% NaBr, the departures from the recommended data set are: 1060 K, 0.0%, 1120 K, +0.6%.
153	For 100% KBr, the departures from the recommended data set are: 1030 K, +2.8%, 1120 K, +2.9%.
154	For 100% NaCl, the departures from the recommended data set are: 1090 K, +0.5%, 1220 K, -1.7%.

Table 2.2.b Surface Tension data reliability statements (continued)

Number	Reliability estimates
155	For 100% KBr, the departures from the recommended data set are: 1030 K, +3.0%, 1170 K, +2.7%.
156	For 100% Na_2SO_4 at 1173 K, the departure from the recommended data set is -0.4%.
157	For 100% RbBr, the results have been advanced as the recommended data set.
158	For 100% KBr, the departures from the recommended data set are: 1030 K, +2.8%, 1120 K, +2.9%.
159	For 100% RbCl, the departures from the recommended data set are: 1030 K, +2.3%, 1190 K, +2.7%.
160	For 100% KBr, the departures from the recommended data set are: 1030 K, +3.0%, 1170 K, +2.8%.
161	For 100% KCl, the departure from the recommended data set are: 1100 K, -0.2%; 1200 K, -0.5%
162	For 100% K_2SO_4, the results have been advanced as the recommended data set.
163	For 100% KCl, the departures from the recommended data set are: 1110 K, -1.1%, 1200 K, -0.7%.
164	For 100% K_2ZrF_6, the results have been advanced as the recommended data set.
165	For 100% KCl, the departures from the recommended data set are: 1070 K, -0.9%, 1170 K, -1.3%.
166	For 100% $LaCl_3$, the results have been advanced as the recommended data set.
167	For 100% KCl, the departures from the recommended data set are: 1080 K, +1.0%, 1170 K, +0.1%.
168	Compared with the recommended data set for KCl, the results appear to be uniformly about 1% lower.
169	For 100% $PbCl_2$, the departures from the recommended data set are: 793 K 0.4%, 880 K 1.0%.
170	For 100% Li_2SO_4, the departures from the recommended data set are: 1170 K, +1.4%, 1370 K, +1.7%.
171	For 100% KCl, the departures from the recommended data set are: 1170 K, +3.1%, 1300 K, +2.9%.
172	For 100% UC13, the departures from the recommended data set are: 1089 K -3.2%, 1154K -3.2%
173	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
174	For 100% KCl, the results have been advanced as the recommended data set.
175	For 100% NaBr, the departures from the recommended data set are: 1060 K, +0.05%, 1220 K, +2.3%.
176	For 100% KCl, the results are in close agreement (within 1%) with the recommended data set, i.e.: 1180 K, -0.8%, 1260 K, -0.5%.
177	For 100% NaCl, the departures from the recommended data set are: 1080 K, 0.0%, 1220 K, +0.5%.
178	For 100% KCl, the departures from the recommended data set are: 1020 K, -0.6%, 1220 K, -1.1%.
179	For 100% $PbCl_2$, the departures from the recommended data set are: 830 K -3.2%, 880 K -3.2%.
180	For 100% NaI, the departures from the recommended data set are: 960 K, -2.4%, 1160 K, -7.4%.
181	For 100% KCl, the departures from the recommended data set are: 1070 K, -2.6%, 1260 K, -1.6%.
182	For 100% $NaNO_3$ at 743 K, the deparature from the recommended data set is +0.4%.
183	For 100% $Na_2B_4O_7$ at 1223 K, the departure from the recommended data set is -0.6%.
184	For 100% KCl, the departures from the recommended data set are: 1089 K, -0.7% and 1154 K, -0.8%,
185	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
186	For 100% $PrCl_3$, the results have been advanced as the recommended data set.
187	For 100% KCl, the departures from the recommended data set are: 1100 K -0.2%, 1200 K -0.5%.
188	For 100% RbBr, the departures from the recommended data set are: 970 K, -1.8%, 1170 K, +2.6%.
189	For 100% KCl, the results agree closely (within 1%) with the recommended data set, i.e.: 1180 K, -0.8%, 1260 K, -0.5%.
190	For 100% $SrCl_2$, the results have been advanced as the recommended data set.
191	For 100% KCl, the departures from the recommended data set are: 1080 K, +0.8%, 1290 K, -1.8%.
192	For 100% UCl_3, the results have been advanced as the recommended data set.
193	For 100% kCl, the departures from the recommended data set are: 1089 K 1.9%, 1154K 1.4%
194	For 100% UCl_4, the results have been advanced as the recommended data set.
195	For 100% KCl, the departures from the recommended data set are: 1080 K, +2.1%, 1170 K, +1.2%.
196	For 100% $ZnCl_2$, the departures from the recommended data set are: 620 K, +9.0%, 970 K, -2.9%.
197	Insufficient details for firm estimate. Based on principles of the method, possibly 2.5%
198	Insufficient details for firm estimate. Based on the principles of the method, possibly 2.5%.
199	Insufficient details for firm estimate. Based on the principles of the method, possibly 2.5%.
200	Insufficient details for firm estimate. Based on the principles of the method, possibly 2.5%.
201	For 100% KF, an accuracy estimate was not possible due to insufficient information.
202	For 100% K_2ZrF_6 at 1233 K, the results have been advanced as the recommended data set. For 100% KF at 1233 K, the departure from the recommended data set is +0.9%.
203	For 100% LiF, the departures from the recommended data set are: 1070 K, +6.6%, 1170 K, +6.6%.
204	For 100% KF, the departures from the recommended data set are: 1070 K, +1.4%, 1170 K, -0.7%.
205	For 100% $Na_2B_4O_7$ at 1223 K, the departure from the recommended data set is -0.6%.
206	For 100% Na_3AlF_6, the departures from the recommended data are: 1280 K, -0.02%, 1350 K, =0.09%
207	For 100% KF at 1233 K, the departure from the recommended data set is +0.4%.
208	For 100% Na_2SO_4 at 1173 K, the departure from the recommended data set is -0.4%.

Table 2.2.b Surface Tension data reliability statements (continued)

Number	Reliability estimates
209	For 100% KNO_3, the departures from the recommended data set are: 695 K, -1.0%, 770 K, -0.4%.
210	For 100% $LiNO_3$, the results have been advanced as the recommended data set.
211	For 100% KNO_3, the departures from the recommended data set are: 625 K, +1.2%, 670 K, +1.1%.
212	For 100% $NaNO_3$, the departures from the recommended data set are:.620 K, -0.6%, 670 K, -0.7%.
213	For 100% KNO_3, the departures from the recommended data set are: 600 K, +1.4%, 670 K, +0.6%.
214	For 100% $RbNO_3$, the results have been advanced as the recommended data set.
215	For 100% $LiPO_3$, the departures from the recommended data set are: 1030 K, +2.2%, 1410 K, +1.9%.
216	For 100% KPO_3, the departures from the recommended data set are: 1030 K, +3.2%, 1410 K, +1.5%.
217	For 100% $NaPO_3$, the departures from the recommended data set are: 1080 K, -0.8%, 1420 K, -5.2%.
218	For 100% KPO_3, the departures from the recommended data set are: 1080 K, +3.1%, 1410 K, +1.5%.
219	For 100% $Zn(PO_3)_2$, the results have been advanced as the recommended data set.
220	For 100% KPO_3, the results have been advanced as the recommended data set.
221	For 100% NaSCN, the results have been advanced as the recommended data set.
222	For 100% KSCN, the results have been advanced as the recommended data set.
223	The values for 100% NaSCN and 100% KSCN have been advanced as the recommended data sets.
224	For 100% V_2O_5, the results have been advanced as the recommended data set.
225	For 100% KVO_3, the results have been advanced as the recommended data set.
226	For 100% Li_2CO_3, the departures from the recommended data set are: 1030 K, +0.4%, 1170 K, +0.7%.
227	For 100% K_2CO_3, the departures from the recommended data set are: 1180 K, 0.0%, 1300 K, +0.2%.
228	For 100% Na_2CO_3, the results have been advanced as the recommended data set.
229	For 100% K_2CO_3, the results have been advanced as the recommended data set.
230	For 100% Li_2MoO_4, the results have been advanced as the recommended data set.
231	For 100% K_2MoO_4, the departures from the recommended data set are: 1210 K, +3.1%, 1280 K, +1.4%.
232	For 100% K_2MoO_4, the departures from the recommended data set are: 1240 K, -7.7%, 1360 K, -8.0%.
233	The results for 100% NaBr have been advanced as the recommended data base.
234	For 100% K_2SO_4, the departures from the recommended data set are: 1370 K, -3.9%, 1460 K, -4.9%.
235	For 100% Na_2SO_4, the results have been advanced as the recommended data set.
236	For 100% K_2SO_4, the departures from the recommended data set are: 1370 K, +0.2%, 1460 K, +1.0%.
237	For 100% K_2SO_4 at 1348 K, the departure from the recommended data set is +0.6%.
238	For 100% Rb_2SO_4, the departures from the recommended data set are: 1170 K, -1.0%, 1460 K, -3.4%.
239	For 100% K_2SO_4, the departures from the recommended data set are: 1370 K, +0.2%, 1460 K, +1.0%.
240	For 100% Li_2WO_4, the results have been advanced as the recommended data set.
241	For 100% K_2WO_4, the departures from the recommended data set are: 1215 K, +2.1%, 1280 K, +1.2%.
242	For 100% K_2WO_4, the departures from the recommended data set are: 1250 K, -8.7%, 1280 K, -9.2%.
243	For 100% NaCl, the departures from the recommended data set are: 1120 K, -0.2%, 1220 K, -0.2%.
244	For 100% K_2ZrF_6, the results have been advanced as the recommended data set.
245	For 100% $Na_2B_4O_7$, the results have been advanced as the recommended data set.
246	For 100% Na_3AlF_6, the departure from the recommended data set are: 1280 K, -0.02%, 1350 K, +0.09%.
247	For 100% K_3AlF_6 the results have been advanced as the recommended data set.
248	For 100% $LaCl_3$, the results have been advanced as the recommended data set.
249	For 100% NaCl, the departures from the recommended data set are: 1100 K -0.2%, 1200 K -0.1%.
250	For 100% $LaCl_3$, the departures from the recommended data set are: 1150 K -0.7%, 1250 K 0.6%.
251	For 100% LiBr, the results have been advanced as the recommended data set.
252	For 100% LiF, the departures from the recommended data set are: 1140 K, +1.7%, 1290 K, +1.8%.
253	For 100% LiBr, the results have been advanced as the recommended data set.
254	For 100% LiI, the results have been advanced as the recommended data set.
255	For 100% LiBr, the results have been advanced as the recommended data set.
256	For 100% LiF, the departures from the recommended data set are: 1100 K, +1.7%, 1240 K, +1.8%.
257	For 100% LiI, the results have been advanced as the recommended data set.
258	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
259	For 100% LiCl, the results have been advanced as the recommended data set.

Table 2.2.b Surface Tension data reliability statements (continued)

Number	Reliability estimates
260	For 100% NaCl, the departures from the recommended data set are: 1110 K, +3.6%, 1170 K, +3.1%.
261	For 100% LiCl, the departures from the recommended data set are: 930 K, +4.6%, 1120 K, +6.5%.
262	For 100% $Na_2B_4O_7$ at 1223 K, the departure from the recommended data set is -0.6%.
263	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
264	For 100% LiCl at 1023 K, the departure from the recommended data set is +7.5%.
265	For 100% UCl_4, the departures from the recommended data set are: 880 K, -4.3%, 920 K, +3.1%.
266	For 100% LiCl, the departures from the recommended data set are: 890 K, +15.4%, 920 K, +13.5%.
267	For 100% LiI, the results have been advanced as the recommended data set.
268	For 100% LiF, the departures from the recommended data set are: 1140 K, +1.7%, 1240 K, +1.8%.
269	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
270	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
271	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
272	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
273	Relative to the recommended data base for LiF, the accuracy limits of ± 3.0% can be assumed.
274	For 100% Li_2CO_3 at 1038 K, the departure from the recommended data set is 0.0%.
275	For 100% $NaPO_3$, the departures from the recommended data set are: 1030 K, -0.5%, 1410 K, -5.1%.
276	For 100% $LiPO_3$, the departures from the recommended data set are: 1030 K, +2.2%, 1410 K, +1.9%.
277	For 100% Li_2CO_3 at 1038 K, the departure from the recommended data set is +0.55%.
278	For 100% Na_2CO_3, the departures from the recommended data set are: 1145 K, -0.6%, 1170 K, -0.9%.
279	For 100% Li_2CO_3, the departures from the recommended data set are: 1030 K, +0.4%, 1170 K, +0.7%.
280	For 100% Li_2CO_3 at 1038 K, the value is in exact agreement with the recommended data set.
281	For 100% Li_2CO_3 at 1038 K, the value is in exact agreement with the recommended data set.
282	For 100% Li_2MoO_4, the departures from the recommended data set are: 1110 K, -5.9%, 1280 K, -0.7%.
283	For 100% Na_2MoO_4, the departures from the recommended data set are: 1000 K, -1.1%, 1130 K, -1.5%.
284	For 100% Li_2MoO_4, the results have been advanced as the recommended data set.
285	For 100% NaCl, the departures from the recommended data set are: 1170 K, +2.7%, 1370 K, +3.7%.
286	For 100% Li_2SO_4, the results have been advanced as the recommended data set.
287	For 100% $NaPO_3$, the results have been advanced as the recommended data set.
288	For 100% RbCl, the departures from the recommended data set are: 1190 K, +1.4%, 1370 K, -0.9%.
289	For 100% Li_2SO_4, the departures from the recommended data set are: 1170 K, +1.4%, 1370 K, +1.7%.
290	For 100% Na_2WO_4, the departures from the recommended data set are: 970 K, -2.0%, 1180 K, -0.6%.
291	For 100% Li_2WO_4, the results have been advanced as the recommended data set.
292	For 100% Li_2WO_4, the departures from the recommended data set are: 1080 K, -5.0%, 1270 K, -2.8%.
293	For 100% NaCl, the departures from the recommended data set are: 1090 K, +0.06%, 1220 K, -0.6%.
294	For 100% $MgCl_2$, the departures from the recommended data set are: 1030 K, +6.8%, 1190 K, +5.0%.
295	For 100% RbCl, the results have been advanced as the recommended data set.
296	For 100% $MgCl_2$, the results have been advanced as the recommended data set.
297	For 100% Na_2MoO_4, the departures from the recommended data set are: 1110 K, -4.7%, 1290 K, -4.7%.
298	For 100% $NaBF_4$, the results have been advanced as the recommended data set.
299	For 100% NaCl, the results fall uniformly about 3.5% above the recommended data set.
300	For 100% NaBr, the departures from the recommended data set are: 1040 K, 0.0%, 1120 K, +0.6%.
301	For 100% RbBr, the results have been advanced as the recommended data set.
302	For 100% NaBr, the departures from the recommended data set are: 1060 K, 0.0%, 1120 K, +0.6%.
303	For 100% NaCl, the departures from the recommended data set are: 1100 K, -0.7%; 1200 K, -1.0%.
304	For 100% NaCl, the departures from the recommended data set are: 1190 K, +2.9%, 1270 K, +0.5%.
305	For 100% Na_2SO_4, the results have been advanced as the recommended data set.
306	For 100% NaCl, the departures from the recommended data set are: 1090 K, +3.4%, 1470 K, 0.0%.
307	For 100% Na_2SO_4 at 1173 K, the departure from the recommended data set is -0.7%.
308	For 100% $PbCl_2$, the departures from the recommended data set are: 800 K, -0.2%, 970 K, +1.2%.
309	For 100% NaCl, the departures from the recommended data set are: 1100 K, +1.6%, 1240 K, -1.1%.
310	For 100% $PrCl_3$, the results have been advanced as the recommended data set.
311	For 100% NaCl, the departures from the recommended data set are: 1100 K, -0.7%; 1200 K, -1.0%.
312	For 100% RbCl, the results have been advanced as the recommended data set.

Table 2.2.b Surface Tension data reliability statements (continued)

Number	Reliability estimates
313	For 100% NaCl, the departures from the recommended data set are: 1090 K, +3.4%, 1170 K, +3.4%.
314	For 100% $SrCl_2$ at 1073 K, the departure from the recommended data set is -1.0%.
315	For 100% UCl_3, the results have been advanced as the recommended data set.
316	For 100% NaCl, the departures from the recommended data set are 1080 K 1.5%, 1240K 0.2%
317	For 100% $NaClO_3$, the results have been advanced as the recommended data set.
318	For 100% NaF at 1325 K, the departure from the recommended data set is +3.0%.
319	For 100% Na_2SO_4 at 1173 K, the departure from the recommended data set is -12.1%.
320	For 100% $NaPO_3$, the results have been advanced as the recommended data set.
321	For 100% $NaPO_3$, the results have been advanced as the recommended data set.
322	For 100% $NaPO_3$, the results have been advanced as the recommended data set.
323	For 100% $Zn(PO_3)_2$, the results have been advanced as the recommended data set.
324	For 100% $NaPO_3$, the departures from the recommended data set are: 1080 K, -2.9%, 1370 K, -4.6%.
325	For 100% $Na_2B_4O_7$, the departures from the recommended data set are: 1070 K, -3.3%, 1370 K, -13.3%.
326	For 100% Na_2SO_4 at 1323 K, the departure from the recommended data set is -1.9%.
327	For 100% Rb_2SO_4, the departures from the recommended data set are: 1360 K, -2.4%, 1460 K, -3.4%.
328	For 100% Na_2SO_4, the results have been advanced as the recommended data set.
329	For 100% Na_2WO_4, the departures from the recommended data set are: 1040 K, -2.8%, 1250 K, -2.6%.
330	The departures of the previously recommended data from the upgraded recommendations (above) are: 1280 K, -0.4%, 1350 K, +0.1% Higher sample purity, and improved measurement techniques, and critical examination of possible error sources support the shift of the reference data set to 51351.
331	For 100% $Na_4P_2O_7$, the results have been advanced as the recommended data set.
332	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
333	For 100% PbO, the results have been advanced as the recommended data set.
334	For 100% $PbMoO_4$, the results have been advanced as the recommended data set.
335	For 100% RbCl, the departures from the recommended data set are: 1030 K, +1.4%, 1130 K, +1.6%.
336	For 100% RbBr, the results have been advanced as the recommended data set.
337	For 100% $SrCl_2$ and 100% RbCl at 1123 K, the departures from the recommended data sets are: +1.2% and +1.6%, respectively.

Table 2.2.c Surface Tension data comments

Flag	Comment
a	The previous evaluation is correct and still holds as the recommended data base. Accuracy limits have been upgraded in light of the Molten Salts Standards Program.
b	The equation in the previous evaluation is incorrect.
c	There are new data but they do not change the recommended equation or uncertainty.
d	There are new data and together with the results of the Molten Salts Standards Program, a shift from the previous evaluation is recommended. The new correlation equation is listed herewith.
e	The previously recommended data have been refitted to a linear correlation function.
g	The previously reported results were graphical. These correlations were digitized and refitted to the equations herewith.
i	The previously reported results have been upgraded.
j	The recommended data set have been refitted to the Kelvin temperature scale, previously the temperatures were Celsius.
k	systems not included in the previous work
l	Some of the numerical property values in the previous recommended data tables have been found to be incorrect. The correlation equations are correct.
m	The previously recommended correlation has been replaced by the polynomial herewith.
n	The previously recommended data base has been refitted to a polynomial correlation equation.
o	These compositions are: Equivalent Percent.
r	For compositions above this limit, the results in the previous evaluations are in error since these were in the area of heterogeneity at the temperatures of concern.
v2	Modest surface tension increase with increasing temperature was reported.
z	the amounts of NaCl and KCL were fixed at the equi-molar ratio (1:1) throughout this series of measurements

Table 2.2.d Surface Tension data references

Number	Reference
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22	G. Liu, J.M. Toguri, and N.M. Stubina, Can. J. Chem. 65, in publication (1987).
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24	D. Bratland, C. M. Ferro, and T. Ostvold, Acta Chem. Scand. 37, 487 (1983).

Table 2.3.a Electrical Conductance data

(mol %)	Equation — Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
	AgBr				
100	k = 5.183 exp(- 3476.96217/RT)	723-1073	±1%	1	a,f
	AgBr-AgCl				
0-100	k = 7.644 exp(- 4342.64625/RT)	730-970	(1)	2	a,f
20-80	k = 7.4189 exp(- 4481.13897/RT)	720-870		2	a,f
40-60	k = 6.7914 exp(- 4272.35388/RT)	720-870		2	a,f
60-40	k = 6.2254 exp(- 4072.35533/RT)	720-870		2	a,f
80-20	k = 6.0072 exp(- 4156.03673/RT)	720-870		2	a,f
100-0	k = 5.2826 exp(- 3597.88179/RT)	720-870	(2)	2	a,f
	AgBr-AgI				
5-95	k = 3.6942 exp(- 2953.95342/RT)	830-870		2	a,f
10-90	k = 3.0824 exp(- 1750.19648/RT)	830-870		2	a,f
20-80	k = 3.246 exp(- 2036.38687/RT)	780-870		2	a,f
30-70	k = 3.1568 exp(- 1781.99541/RT)	780-870		2	a,f
40-60	k = 3.9753 exp(- 3150.1863/RT)	730-820		2	a,f
60-40	k = 4.1138 exp(- 3035.96119/RT)	680-870		2	a,f
70-30	k = 4.0209 exp(- 2810.02141/RT)	680-870		2	a,f
80-20	k = 4.1944 exp(- 3066.5049/RT)	680-870		2	a,f
90-10	k = 4.3127 exp(- 2862.32229/RT)	730-870		2	a,f
	$AgBr-AgNO_3$				
0-100	k = 5.757 exp(- 7941.36486/RT)	623-823	(3)	3	a,f
20-80	k = 6.54364 exp(- 8557.67837/RT)	570-810		3	a,f
24-76	k = 6.50219 exp(- 8437.17716/RT)	570-810		3	a,f
40-60	k = 6.32843 exp(- 7953.91707/RT)	570-810		3	a,f
60-40	k = 6.3719 exp(- 7244.71721/RT)	570-810		3	a,f
80-20	k = 5.86331 exp(- 5595.35681/RT)	630-810		3	a,f
100-0	k = 5.1656 exp(- 3450.60253/RT)	623-823	(4)	3	a,f
	AgBr-CsBr				
0-100	k = 22.862 exp(- 25334.54385/RT)	920-950	(5)	4	a,f
20-80	k = 7.5793 exp(- 16437.5374/RT)	800-950		4	a,f
40-60	k = 8.255 exp(- 16527.91331/RT)	650-950		4	a,f
50-50	k = 8.20902 exp(- 15634.19596/RT)	600-950		4	a,f
70-30	k = 5.014 exp(- 8956.42024/RT)	600-950		4	a,f
80-20	k = 4.24 exp(- 6238.86678/RT)	600-950		4	a,f
100-0	k = 5.065 exp(- 3077.80189/RT)	710-950	(6)	4	a,f
	$AgBr-HgBr_2$				
0.15-1.32 AgBr	k = 5.852 x 10^{-5} + 0.001428 C + 0.00158 C^2	515	(7)	4	a,n
	AgBr-KBr				
40.9-59.1	k = 6.197 exp(- 10635.06913/RT)	830-870		4	a,f
50.7-49.3	k = 6.246 exp(- 10126.28621/RT)	780-870		4	a,f
69.2-30.8	k = 5.376 exp(- 7453.92071/RT)	630-870		4	a,f
85.1-14.9	k = 4.992 exp(- 5197.87016/RT)	630-870		4	a,f
100.0-0.0	k = 5.183 exp(- 3476.96217/RT)	730-870	(8)	4	a,f
	AgBr-KCl				
0-100	k = 8.0879 exp(- 11473.97516/RT)	1030-1070	(9)	2	a,f
20-80	k = 7.2074 exp(- 10896.5735/RT)	930-1070		2	a,f
40-60	k = 6.1952 exp(- 9437.58829/RT)	830-1070		2	a,f
60-40	k = 5.634 exp(- 7761.44985/RT)	780-1070		2	a,f
80-20	k = 4.7704 exp(- 4917.53747/RT)	780-1070		2	a,f
100-0	k = 5.1554 exp(- 3432.61103/RT)	780-1070	(10)	2	a,f
	AgBr-LiCl				
0-100	k = 13.1706 exp(- 6136.35706/RT)	930-1070	(11)	2	a,f
20-80	k = 11.9118 exp(- 6779.03021/RT)	880-1070		2	a,f
40-60	k = 11.0119 exp(- 7653.50084/RT)	880-1070		2	a,f
60-40	k = 8.051 exp(- 6199.95493/RT)	880-1070		2	a,f
80-20	k = 6.072 exp(- 4450.59526/RT)	830-1070		2	a,f
100-0	k = 5.1656 exp(- 3450.60253/RT)	830-1070	(12)	2	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
		AgBr-NaBr				
0-100	(T=1000 K, k=2.83)			(13)	4	a
40-60	k = 5.012 exp(- 4712.51804/RT)		900-950		4	a,f
60-40	k = 5.39939 exp(- 5009.58701/RT)		800-950		4	a,f,l
80-20	k = 5.177 exp(- 3928.84173/RT)		700-950		4	a,f
100-0	k = 5.06529 exp(- 3077.71821/RT)		710-1000	(14)	4	a,f
		AgBr-NaCl				
0-100	k = 9.0177 exp(- 8223.78959/RT)		1080-1120	(15)	2	a,f
20-80	k = 7.5724 exp(- 7208.3158/RT)		1030-1120		2	a,f
40-60	k = 6.1372 exp(- 5697.02971/RT)		980-1120		2	a,f
60-40	k = 6.05 exp(- 5626.73734/RT)		930-1120		2	a,f
80-20	k = 5.2182 exp(- 4064.4056/RT)		880-1120		2	a,f
100-0	k = 5.0604 exp(- 3288.26061/RT)		880-1120	(16)	2	a,f
		AgBr-RbBr				
0-100	k = 16.571 exp(- 21959.25458/RT)		955-1050	(17)	4	a,f
20-80	k = 9.037 exp(- 16576.44853/RT)		880-1000		4	a,f
40-60	k = 8.41 exp(- 14593.19935/RT)		750-1000		4	a,f
60-40	k = 8.28633 exp(- 14465.58521/RT)		600-1000		4	a,f
70-30	k = 4.518 exp(- 7443.87894/RT)		600-1000		4	a,f
80-20	k = 8.92478 exp(- 16435.02696/RT)		600-1000		4	a,f
100-0	k = 5.065 exp(- 3077.80189/RT)		710-1000	(18)	4	a,f
		AgCl				
100	k = 8.482 exp(- 4941.38667/RT)		753-1013	±1%	1	a,f
		AgCl-AgI				
10-90	k = 3.712 exp(- 2929.68581/RT)		830-870		2	a,f
25-75	k = 3.653 exp(- 2680.73365/RT)		730-870		2	a,f
42-58	k = 4.5244 exp(- 3277.38203/RT)		580-870		2	a,f
90-10	k = 7.0061 exp(- 4381.1397/RT)		730-870		2	a,f
		$AgCl-AgNO_3$				
0-100	k = 5.757 exp(- 7941.36486/RT)		573-823	(19)	3	a,f
18.5-81.5	k = 6.78333 exp(- 8731.73568/RT)		580-820		3	a,f
20-80	k = 6.88415 exp(- 8807.04894/RT)		580-820		3	a,f
40-60	k = 7.36215 exp(- 8643.0334/RT)		580-820		3	a,f
60-40	k = 7.10145 exp(- 7469.82017/RT)		640-820		3	a,f
80-20	k = 7.79843 exp(- 6418.78179/RT)		640-820		3	a,f
100-0	k = 7.4195 exp(- 4022.14649/RT)		730-823	(20)	3	a,f
		$AgCl-Ag_2S$				
10.06-89.94	k = 66.0159 exp(11593.63956/RT)		1030-1050		3	a,f
22.8-77.2	k = 37.4301 exp(12814.9696/RT)		965-1200		3	a,f
52.17-47.83	k = 399.576 exp(- 23544.5987/RT)		910-1050		3	a,f
60.0-40.0	k = 1349.45 exp(- 34828.61709/RT)		850-970		3	a,f
65.0-35.0	k = 113.569 exp(- 22250.46585/RT)		710-1030		3	a,f
70.0-30.0	k = 35.6091 exp(- 15565.99562/RT)		710-1030		3	a,f
80.0-20.0	k = 11.2275 exp(- 8174.41756/RT)		730-970		3	a,f
90.0-10.0	k = 8.18487 exp(- 5790.75288/RT)		730-1040		3	a,f
95.0-5.0	k = 9.44444 exp(- 6393.25896/RT)		720-1030		3	a,f
100.0-0.0	k = 8.482 exp(- 4941.38667/RT)		730-1020	(21)	3	a,f
		$AgCl-AlBr_3$				
26.2-73.8	k = 11.779 exp(- 21855.90805/RT)		373-443		2	a,f
		AgCl-KBr				
0-100	k = 5.8551 exp(- 10852.22236/RT)		1030-1120	(22)	2	a,f
20-80	k = 5.7007 exp(- 10146.78816/RT)		880-1070		2	a,f
40-60	k = 5.5346 exp(- 9107.46517/RT)		830-1070		2	a,f
60-40	k = 5.3994 exp(- 7243.46198/RT)		780-1070		2	a,f
80-20	k = 5.5676 exp(- 4867.74704/RT)		780-1070		2	a,f
100-0	k = 7.4195 exp(- 4022.14649/RT)		780-1070	(23)	2	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
	AgCl-KCl				
34.3-65.7	k = 10.679 exp(- 12914.55046/RT)	930-970		5	a,f
46.8-53.2	k = 8.042 exp(- 10082.35348/RT)	830-970		5	a,f
57.7-42.3	k = 7.282 exp(- 8558.93359/RT)	730-970		5	a,f
79.1-20.9	k = 6.865 exp(- 6048.91/RT)	680-970		5	a,f
100-0	k = 7.644 exp(- 4342.64625/RT)	730-970	(24)	5	a,f
	AgCl-LiBr				
0-100	k = 13.197 exp(- 7097.01953/RT)	880-1070	(25)	2	a,f
20-80	k = 11.677 exp(- 7109.15334/RT)	830-1070		2	a,f
60-40	k = 9.2766 exp(- 6888.65285/RT)	830-1070		2	a,f
60-40	k = 12.243 exp(- 8568.55695/RT)	830-1070		2	a,f
80-20	k = 7.5604 exp(- 5037.62028/RT)	830-1070		2	a,f
100-0	k = 7.4195 exp(- 4022.14649/RT)	830-1070	(26)	2	a,f
	AgCl-NaBr				
0-100	k = 8.55542 exp(- 9187.38091/RT)	1030-1120	(27)	2	a,f
20-80	k = 7.79392 exp(- 8405.79663/RT)	1030-1070		2	a,f
40-60	k = 7.45696 exp(- 7773.16525/RT)	980-1070		2	a,f
60-40	k = 6.42831 exp(- 5629.24778/RT)	930-1070		2	a,f
80-20	k = 6.3496 exp(- 4166.2877/RT)	830-1070		2	a,f
100-0	k = 7.4195 exp(- 4022.14649/RT)	830-1070	(28)	2	a,f
	$AgCl-PbCl_2$				
0-100	k = 15.378 exp(- 15163.90649/RT)	780-960	(29)	5	a,f
19.7-80.3	k = 15.64 exp(- 14716.62941/RT)	740-960		5	a,f
40.2-59.8	k = 14.8 exp(- 13588.18573/RT)	680-920		5	a,f
59.8-40.2	k = 11.471 exp(- 10765.61211/RT)	640-960		5	a,f
86.2-13.8	k = 8.322 exp(- 6386.14604/RT)	680-960		5	a,f
100-0	k = 7.633 exp(- 4325.49157/RT)	740-960	(30)	5	a,f
	AgCl-TlCl				
0.00-100.00	k = 12.779 exp(- 14989.01237/RT)	773-973	(31)	5	a,f
100-0 TlCl	$k = 3.659 - 0.05204\,C + 8.21\times10^{-5}\,C^2 + 5.797\times10^{-6}\,C^3 - 3.858\times10^{-8}\,C^4$	773	(32)	5	a,n
For additional AgCl systems, see : AgBr-					
	$AgClO_3$				
100	k = 19.4316 exp(- 16115.78242/RT)	505-510		6	a,f
	$AgClO_3-LiNO_3$				
50-50	k = 30.0756 exp(- 17374.76908/RT)	480-510		3	a,f
	AgF				
100	k = 1234.6 exp(- 14441.31761/RT)	773-923	±20%	1	a,f
	AgI				
100	k = 4.674 exp(- 4794.94422/RT)	830-1073	±12%	1	a,f
	$AgI-AgNO_3$				
0-100	k = 11.234 exp(- 11510.37657/RT)	485-560	(33)	3	a,f
7.4-92.6	k = 26.4094 exp(- 15289.42859/RT)	455-560		3	a,f
15.3-84.7	k = 14.6759 exp(- 12648.44361/RT)	425-560		3	a,f
19.4-80.6	k = 14.9478 exp(- 12561.41495/RT)	410-560		3	a,f
21.1-78.9	k = 14.0394 exp(- 12345.09854/RT)	410-560		3	a,f
23.7-76.3	k = 14.2725 exp(- 12353.46668/RT)	400-560		3	a,f
26.3-73.7	k = 12.6631 exp(- 11722.09051/RT)	400-560		3	a,f
28-72	k = 11.482 exp(- 11235.48317/RT)	400-560		3	a,f
29.8-70.2	k = 11.2459 exp(- 11071.04922/RT)	400-560		3	a,f
32.5-67.5	k = 9.58101 exp(- 10338.41856/RT)	400-560		3	a,f
35.3-64.7	k = 10.1156 exp(- 10377.33041/RT)	400-560		3	a,f
38.1-61.9	k = 9.2 exp(- 9838.00379/RT)	400-560		3	a,f
40-60	k = 8.82544 exp(- 9687.37727/RT)	400-560		3	a,f
42-58	k = 8.19206 exp(- 9192.40179/RT)	400-560		3	a,f
44.9-55.1	k = 8.0127 exp(- 8997.84254/RT)	400-560		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	AgI-AlI$_3$				
8.88-91.12	k = 0.3171 exp(- 16565.98835/RT)	470-580		4	a,f
71.22-97.86 AlI$_3$	k = 0.24586 - 0.0044694 C + 2.001 x 10^{-5} C^2	473		4	a,n
For additional AgI systems, see : AgCl-					
	AgNO$_3$				
100	k = 11.29 exp(- 11384.85447/RT)	490-630	±1%	7	a,c,f
	AgNO$_3$-Ba(NO$_3$)$_2$				
97.44-2.56	k = 10.868 exp(- 11443.43145/RT)	540-590		7	a,f
98.48-1.52	k = 13.07 exp(- 12192.37998/RT)	490-590		7	a,f
100-0	k = 12.576 exp(- 11828.36589/RT)	490-590	(34)	7	a,f
	AgNO$_3$-Ca(NO$_3$)$_2$				
88.89-11.11	k = 18.874 exp(- 15330.43248/RT)	490-590		7	a,f
94.74-5.26	k = 17.162 exp(- 14025.00264/RT)	490-590		7	a,f
97.44-2.56	k = 13.53 exp(- 12548.02593/RT)	490-590		7	a,f
98.48-1.52	k = 13.119 exp(- 12242.58882/RT)	490-590		7	a,f
100-0	k = 12.576 exp(- 11828.36589/RT)	490-590	(35)	7	a,f
	AgNO$_3$-Cd(NO$_3$)$_2$				
46.1-53.9	k = 108.24 exp(- 28564.64589/RT)	523-583		7	a,f
51.8-48.2	k = 168.87 exp(- 29819.86689/RT)	483-583		7	a,f
55.0-45.0	k = 169.73 exp(- 29242.46523/RT)	463-583		7	a,f
57.1-42.9	k = 266.15 exp(- 30819.85962/RT)	443-563		7	a,f
59.6-40.4	k = 181.27 exp(- 28937.02812/RT)	443-583		7	a,f
62.0-38.0	k = 225.68 exp(- 29422.38024/RT)	423-583		7	a,f
64.4-35.6	k = 165.7 exp(- 27665.07084/RT)	423-583		7	a,f
66.6-33.4	k = 129.16 exp(- 26121.14901/RT)	423-583		7	a,f
68.8-31.2	k = 100.38 exp(- 24593.96346/RT)	423-583		7	a,f
70.9-29.1	k = 46.282 exp(- 20665.12173/RT)	423-563		7	a,f
73.0-27.0	k = 36.952 exp(- 19614.92016/RT)	423-583		7	a,f
75.0-25.0	k = 29.784 exp(- 18430.82835/RT)	423-583		7	a,f
78.7-21.3	k = 22.55 exp(- 16677.70302/RT)	423-583		7	a,f
82.3-17.7	k = 16.441 exp(- 14819.97594/RT)	443-583		7	a,f
88.8-11.2	k = 12.982 exp(- 12987.35328/RT)	463-583		7	a,f
91.8-8.2	k = 10.892 exp(- 11857.65438/RT)	483-583		7	a,f
100-0	k = 10.678 exp(- 11085.69347/RT)	503-543	(36)	7	a,f
	AgNO$_3$-CsNO$_3$				
0-100	k = 5.8807 exp(- 13707.01332/RT)	692-740	(37)	7	a,f
25-75	k = 4.261 exp(- 10920.4227/RT)	550-650		7	a,f
50-50	k = 8.177 exp(- 13142.16387/RT)	540-650		7	a,f
70-30	k = 10.917 exp(- 13372.28772/RT)	510-620		7	a,f
100-0	k = 12.788 exp(- 11924.5995/RT)	500-590	(38)	7	a,f
	AgNO$_3$-HgI$_2$				
10-90	k = 2.959 exp(- 9716.24735/RT)	523-548		3	a,f
15-85	k = 2.56 exp(- 8460.60795/RT)	498-548		3	a,f
20-80	k = 5.428 exp(- 11624.60168/RT)	473-548		3	a,f
25-75	k = 7.358 exp(- 13083.16848/RT)	473-548		3	a,f
30-70	k = 9.475 exp(- 14335.04223/RT)	448-548		3	a,f
35-65	k = 22.057 exp(- 18082.71373/RT)	423-548		3	a,f
37.5-62.5	k = 27.628 exp(- 18997.76984/RT)	398-548		3	a,f
40-60	k = 26.046 exp(- 18809.90509/RT)	398-548		3	a,f
42-58	k = 35.755 exp(- 20103.20113/RT)	398-548		3	a,f
45-55	k = 22.219 exp(- 18237.94272/RT)	398-548		3	a,f
46-54	k = 44.695 exp(- 21045.45369/RT)	398-548		3	a,f
47.5-52.5	k = 22.272 exp(- 18193.59158/RT)	398-548		3	a,f
49-51	k = 44.028 exp(- 20955.9146/RT)	398-548		3	a,f
50-50	k = 41.75 exp(- 20649.64067/RT)	398-548		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
52-48	k = 39.471 exp(- 20383.95223/RT)	398-548		3	a,f
55-45	k = 33.177 exp(- 19635.4221/RT)	398-548		3	a,f
57-43	k = 28.85 exp(- 18881.45269/RT)	398-548		3	a,f
60-40	k = 22.35 exp(- 17588.15665/RT)	398-548		3	a,f
62-38	k = 21.717 exp(- 17201.13018/RT)	398-548		3	a,f
65-35	k = 14.753 exp(- 15456.79139/RT)	398-548		3	a,f
67-33	k = 21.678 exp(- 17252.59424/RT)	398-548		3	a,f
68-32	k = 33.86 exp(- 19152.99883/RT)	398-548		3	a,f
69-31	k = 34.58 exp(- 18947.9794/RT)	398-548		3	a,f
70-30	k = 34.136 exp(- 18717.01874/RT)	398-548		3	a,f
73-27	k = 32.002 exp(- 18192.75477/RT)	398-548		3	a,f
76-24	k = 33.355 exp(- 18046.31232/RT)	398-548		3	a,f
80-20	k = 26.218 exp(- 16809.91963/RT)	398-548		3	a,f
83-17	k = 21.968 exp(- 15816.62141/RT)	398-548		3	a,f
85-15	k = 17.983 exp(- 14803.23966/RT)	398-548		3	a,f
86-14	k = 16.648 exp(- 14378.13815/RT)	398-548		3	a,f
90-10	k = 10.781 exp(- 12164.34671/RT)	423-548		3	a,f
95-5	k = 14.657 exp(- 12895.72215/RT)	473-548		3	a,f
100-0	k = 15.845 exp(- 12741.74837/RT)	498-548	(39)	3	a,f
	$AgNO_3$-KNO_3				
0-100	k = 12.1099 exp(- 15066.83607/RT)	609-673	(40)	7	a,f
10-90	k = 12.268 exp(- 14778.13524/RT)	593-653		7	a,f
20-80	k = 12.767 exp(- 14640.06093/RT)	593-653		7	a,f
30-70	k = 13.6815 exp(- 14623.32465/RT)	523-643		7	a,f
40-60	k = 15.8312 exp(- 14995.70688/RT)	483-643		7	a,f
50-50	k = 21.475 exp(- 16087.74915/RT)	433-643		7	a,f
60-40	k = 19.566 exp(- 15309.51213/RT)	433-643		7	a,f
70-30	k = 18.246 exp(- 14619.14058/RT)	433-639		7	a,f
80-20	k = 14.494 exp(- 13225.84527/RT)	453-637		7	a,f
90-10	k = 12.73 exp(- 12271.87731/RT)	473-633		7	a,f
100-0	k = 11.29 exp(- 11384.85447/RT)	483-633	(41)	7	a,f
	$AgNO_3$-$LiNO_3$				
0-100	k = 20.587 exp(- 14209.10172/RT)	651-673	(42)	7	a,f
10-90	k = 21.701 exp(- 14464.32999/RT)	523-633		7	a,f
20-80	k = 20.708 exp(- 14238.39021/RT)	513-623		7	a,f
30-70	k = 19.402 exp(- 13937.13717/RT)	503-619		7	a,f
40-60	k = 19.248 exp(- 13895.29647/RT)	493-617		7	a,f
50-50	k = 19.597 exp(- 13987.34601/RT)	473-615		7	a,f
60-40	k = 19.079 exp(- 13845.08763/RT)	463-613		7	a,f
70-30	k = 17.875 exp(- 13539.65052/RT)	453-613		7	a,f
80-20	k = 17.037 exp(- 13330.44702/RT)	453-613		7	a,f
90-10	k = 13.925 exp(- 12380.66313/RT)	473-613		7	a,f
100-0	k = 11.29 exp(- 11384.85447/RT)	483-633	(43)	7	a,f
	$AgNO_3$-$Mg(NO_3)_2$				
88.89-11.1	k = 16.47 exp(- 14899.47327/RT)	490-590		7	a,f
94.74-5.26	k = 14.077 exp(- 13217.47713/RT)	490-590		7	a,f
97.44-2.56	k = 12.875 exp(- 12359.74278/RT)	490-590		7	a,f
98.48-1.52	k = 13.041 exp(- 12259.3251/RT)	490-590		7	a,f
100-0	k = 12.576 exp(- 11828.36589/RT)	490-590	(44)	7	a,f
	$AgNO_3$-$NaNO_3$				
0-100	k = 12.982 exp(- 12514.55337/RT)	583-673	(45)	7	a,f
20-80	k = 13.664 exp(- 12727.94094/RT)	573-633		7	a,f
40-60	k = 13.33 exp(- 12514.55337/RT)	553-621		7	a,f
60-40	k = 13.34 exp(- 12418.31976/RT)	523-621		7	a,f
80-20	k = 13.92 exp(- 12485.26488/RT)	493-615		7	a,f
100-0	k = 11.29 exp(- 11384.85447/RT)	483-633	(46)	7	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$AgNO_3$-$RbNO_3$				
0-100	k = 9.942 exp(- 15640.05366/RT)	583-673	(47)	7	a,f
10-90	k = 11.638 exp(- 15978.96333/RT)	553-653		7	a,f
20-80	k = 13.713 exp(- 16305.32079/RT)	513-643		7	a,f
30-70	k = 20.308 exp(- 17698.6161/RT)	453-643		7	a,f
40-60	k = 23.727 exp(- 17937.10809/RT)	433-633		7	a,f
50-50	k = 21.318 exp(- 16932.93129/RT)	433-633		7	a,f
60-40	k = 19.617 exp(- 16037.54031/RT)	433-633		7	a,f
70-30	k = 20.307 exp(- 15619.13331/RT)	433-623		7	a,f
80-20	k = 14.129 exp(- 13455.96912/RT)	463-623		7	a,f
90-10	k = 14.999 exp(- 13188.18864/RT)	463-613		7	a,f
100-0	k = 11.29 exp(- 11384.85447/RT)	483-633	(48)	7	a,f
	$AgNO_3$-$TlNO_3$				
0-100	k = 8.026 exp(- 12510.3693/RT)	483-623	(49)	7	a,f
10-90	k = 10.083 exp(- 13246.76562/RT)	463-559		7	a,f
30-70	k = 14.035 exp(- 14176.88438/RT)	433-559		7	a,f
50-50	k = 15.935 exp(- 14238.39021/RT)	433-559		7	a,f
65-35	k = 17.49 exp(- 14250.94242/RT)	433-559		7	a,f
79-21	k = 15.837 exp(- 13455.96912/RT)	453-561		7	a,f
100-0	k = 11.29 exp(- 11384.85447/RT)	483-633	(50)	7	a,f
For additional $AgNO_3$ systems, see : AgBr- ; AgCl- ; AgI-					
	Ag_2S				
100	k = 41.5109 exp(10749.41976/RT)	1115-1352	±15%	1	a,v3
	Ag_2S-Na_2S				
20-80	k = 24.1426 exp(- 18728.31573/RT)	960-1250		6	a,f
30-70	k = 26.2644 exp(- 20071.8206/RT)	960-1250		6	a,f
40-60	k = 24.0856 exp(- 19142.95706/RT)	960-1250		6	a,f
50-50	k = 24.6097 exp(- 18473.08746/RT)	960-1250		6	a,f
60-40	k = 60.9404 exp(- 23239.58/RT)	960-1250		6	a,f
70-30	k = 543.845 exp(- 41010.58051/RT)	960-1250		6	a,f
For additional Ag_2S systems, see : AgCl-					
	Ag_2SO_4				
100	k = 7.4568 exp(- 11523.55639/RT)	942-1017	±3%	1	a
	Ag_2SO_4-Li_2SO_4				
40-60	k = 20.721 exp(- 18694.42476/RT)	870-1050		6	a,f
50-50	k = 17.287 exp(- 17614.9347/RT)	860-1020		6	a,f
60-40	k = 16.754 exp(- 17594.01435/RT)	850-1020		6	a,f
80-20	k = 13.309 exp(- 15907.83414/RT)	860-1000		6	a,f
90-10	k = 10.523 exp(- 14112.86811/RT)	900-1020		6	a,f
100-0	k = 7.4582 exp(- 11527.11285/RT)	940-1020	(51)	6	a,f
	$AlBr_3$				
100	k = 1.167 x 10^{-4} exp(- 27761.30445/RT)	468-543		4	a,c
	$AlBr_3$-$CoBr_2$				
82.3-17.7	(T=423 K, k=0.0008)			4	a
	$AlBr_3$-$FeBr_3$				
81.6-18.4	(T=423 K, k=0.001)			4	a
	$AlBr_3$-$HgBr_2$				
66.67-33.33	k = 44.017 exp(- 25658.39087/RT)	385-410		4	a,f
67.43-32.57	k = 30.647 exp(- 24576.80877/RT)	385-410		4	a,f
70.54-29.46	k = 12.236 exp(- 21986.45104/RT)	385-410		4	a,f
74.14-25.86	k = 7.073 exp(- 20853.40488/RT)	385-410		4	a,f
83.57-16.43	k = 0.2848 exp(- 13386.09515/RT)	385-410		4	a,f
92.06-7.94	k = 0.004972 exp(- 6528.82283/RT)	385-410		4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$AlBr_3$-KBr				
66.67-33.33	k = 42.143 exp(- 22504.85731/RT)	383-413		4	a,f
68.77-31.23	k = 34.064 exp(- 22084.77668/RT)	383-413		4	a,f
71.21-28.79	k = 28.354 exp(- 21809.46488/RT)	383-413		4	a,f
73.66-26.34	k = 22.975 exp(- 21494.82281/RT)	383-413		4	a,f
75.66-24.34	k = 31.769 exp(- 22877.65795/RT)	393-403		4	a,f
76.59-23.41	k = 17.981 exp(- 21173.48624/RT)	383-413		4	a,f
	$AlBr_3$-KCl				
66.7-33.3	k = 21.5567 exp(- 20371.40002/RT)	370-440		2	a,f
100-0	k = 2.8989 x 10^{-5} exp(13753.03809/RT)	373-403	(52)	2	a,f
	$AlBr_3$-LiCl				
80.13-19.87	k = 0.508591 exp(- 11149.70974/RT)	360-450		2	a,f
	$AlBr_3$-$MnBr_2$				
82-18	(T=433.2 K, k=0.001)			4	k
	$AlBr_3$-NaBr				
25-75	k = 2.551 exp(- 6779.86703/RT)	925-1275		4	a,f
33-67	k = 2.394 exp(- 7606.63926/RT)	850-1275		4	a,f
42-58	k = 1.655 exp(- 5055.61178/RT)	900-1275		4	a,f
50-50	k = - 1.0423 + 0.0037731 T - 1.7211 x 10^{-6} T^2	450-1275		4	a
67-33	k = 2.745 exp(- 11501.59002/RT)	500-975		4	a,f
80-20	k = 1.45525 exp(- 12956.80957/RT)	485-674		4	a,f
80-20	k = 0.2593 - 6.064 x 10^{-4} T - 3.1175 x 10^{-6} T^2 + 9.047 x 10^{-9} T^3 - 5.186 x 10^{-12} T^4	688-1006		4	a,n
92-8	k = 0.400932 exp(- 15363.90504/RT)	506-663		4	a,f
92-8	k = - 2.525 + 0.0060275 T - 3.9683 x 10^{-6} T^2 + 7.999 x 10^{-10} T^3	713-1174		4	a,n
98-2	k = 51.6546 exp(- 10741.3445/RT)	475-700		4	a,f
	$AlBr_3$-NaCl				
52-48	k = 5.452 exp(- 10860.17209/RT)	462-573		8	k
56-44	k = 6.069 exp(- 12212.46352/RT)	451-523		8	k
64-36	k = 6.224 exp(- 14034.20759/RT)	411-523		8	k
68-32	k = 6.181 exp(- 14865.1639/RT)	392-523		8	k,a,f
68.21-31.79	(T=388.2 K, k=0.0262)			2	a
68.21-31.79	k = 739.68 exp(- 32820.26349/RT)	373-403		2	a,f
76.5-23.5	k = 4.20829 exp(- 16327.07795/RT)	373-423		2	a,f
80.07-19.93	k = 1.65844 exp(- 14030.44193/RT)	373-443		2	a,f
	$AlBr_3$-$N(CH_3)_4Br$				
70-30	k = 7.791 exp(- 22014.0659/RT)	382-497		8	k
	$AlBr_3$-$N(C_4H_9)_4Br$				
30-70	k = 128.3 exp(- 35189.28392/RT)	369-488		8	k
40-60	k = 23.92 exp(- 27530.34379/RT)	400-469		8	k
50-50	k = 11.42 exp(- 24666.76628/RT)	425-492		8	k
60-40	k = 12.98 exp(- 25504.8355/RT)	387-446		8	k
64-36	k = 7.323 exp(- 23522.42313/RT)	372-492		8	k
68-32	k = 6.47 exp(- 23249.20336/RT)	358-493		8	k
	$AlBr_3$-NH_4Br				
66.69-33.31	k = 23.883 exp(- 22183.10233/RT)	385-420		4	a,f
70.90-29.10	k = 18.767 exp(- 21914.48503/RT)	385-420		4	a,f
74.78-25.22	k = 13.159 exp(- 21198.59066/RT)	385-420		4	a,f
75.63-24.37	k = 9.011 exp(- 20180.18802/RT)	385-420		4	a,f
78.40-21.60	k = 6.765 exp(- 19619.94104/RT)	385-420		4	a,f
	$AlBr_3$-$SbBr_3$				
0-100	(T=373 K, k=0)		(53)	4	a
10-90	k = 0.3609 exp(- 11171.04849/RT)	373-413		4	a,f
20-80	k = 1.52399 exp(- 14058.4752/RT)	373-413		4	a,f
30-70	k = 0.987182 exp(- 12545.9339/RT)	373-413		4	a,f
40-60	k = 3.098 exp(- 16626.65737/RT)	373-413		4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
50-50	k = 8.534 exp(- 20386.04426/RT)	353-443		4	a,f
50-50	k = 10.1184 exp(- 21372.22956/RT)	373-413		4	a,f
60-40	k = 5.254 exp(- 20122.86626/RT)	373-413		4	a,f
70-30	k = 7.688 exp(- 22123.68853/RT)	373-413		4	a,f
80-20	k = 1.78683 exp(- 19031.2424/RT)	373-413		4	a,f
90-10	(T=373 K, k=0.001)			4	a
100-0	k = 2.8989 x 10^{-5} exp(13753.03809/RT)	373-403	(54)	4	a,f
	$AlBr_3$-$ZnBr_2$				
66.7-33.3	k = 760.832 exp(- 36974.20818/RT)	373-423		4	a,f
66.7-33.3	k = 103.6778 exp(- 30452.04221/RT)	380-450		4	a,f
75-25	k = 60.58 exp(- 25347.09606/RT)	373-423		4	a,f
80-20	(T=373 K, k=0.003)			4	a
80-20	k = 10.2555 exp(- 25581.40398/RT)	393-423		4	a,f
87-13	(T=373 K, k=0)			4	a
100-0	k = 2.8989 x 10^{-5} exp(13753.03809/RT)	373-403	(55)	4	a,f
	$AlCl_3$				
100	k = 9.7744 x 10^{-4} exp(- 29259.20151/RT)	475-515		5	a,f
	$AlCl_3$-Al_2S_3-NaCl				
39.3-7.8-52.9	k = - 0.93596 + 0.0025639 T	446-675		9	k
43.2-4.1-52.7	k = - 1.36 + 0.0045743 T - 1.8879 x 10^{-6} T^2	446-673		9	k
45.0-3.4-51.6	k = - 1.4619 + 0.0050211 T - 2.2876 x 10^{-6} T^2	447-648		9	k
46.1-2.6-51.3	k = - 0.96403 + 0.0029267 T	436-462		9	k
49.2-0.4-50.4	k = - 1.4074 + 0.0052933 T - 2.6765 x 10^{-6} T^2	447-674	(56)	9	k
	$AlCl_3$-KCl				
0-100	k = 6.9 exp(- 10115.40763/RT)	1080-1275	(57)	5	a,f
10-90	k = 8.576 exp(- 14425.41814/RT)	1080-1275		5	a,f
20-80	k = 3.75 exp(- 9853.90326/RT)	1080-1275		5	a,f
30-70	k = 2.989 exp(- 9340.51787/RT)	975-1275		5	a,f
40-60	k = 2.524 exp(- 8434.66671/RT)	875-1275		5	a,f
50-50	k = 1.965 exp(- 5424.64676/RT)	875-1275		5	a,f
50.65-49.35	k = 7.93 exp(- 13594.04343/RT)	530-570		5	a,f
60-40	k = 1.512 exp(- 4388.25262/RT)	875-1075	(58)	5	a,f
60.55-39.45	k = 5.223 exp(- 12762.25031/RT)	480-560		5	a,f
69.25-30.75	k = 4 exp(- 12485.68329/RT)	480-570		5	a,f
71.20-28.80	k = 3.754 exp(- 12445.09781/RT)	470-540		5	a,f
80.25-19.75	k = 1.772 exp(- 11007.03295/RT)	470-560		5	a,f
80.6-19.4	k = 2.077 exp(- 11686.52592/RT)	470-550		5	a,f
Isothermal Data points	(C=100-0, k=0.1) (C=90-10, k=0.23) (C=80-20, k=0.43) (C=70-30, k=0.63)	873		5	a
	$AlCl_3$-LiCl				
49.25-50.75	k = 5.183 exp(- 10152.22745/RT)	437-622		10	d,g
55-45	k = 4.499 exp(- 10612.47515/RT)	424-597		10	d,g
59.98-40.02	k = 3.989 exp(- 11089.87754/RT)	422-572		10	d,g
64.92-35.08	k = 3.12 exp(- 10935.90376/RT)	433-546		10	d,g
69.99-30.01	k = 3.004 exp(- 11725.43777/RT)	473-487		10	d,g
75.1-24.9	k = 1.681 exp(- 10791.97175/RT)	467-522		10	d,g
	$AlCl_3$-LiCl-NaCl				
49.25-50.75-0	k = 5.6141 exp(- 10508.29181/RT)	432-615	(59)	11	k
49.75-0-50.25	k = 6.5285 exp(- 10626.28258/RT)	434-524	(60)	11	k
50-30-20	k = 6.3046 exp(- 10381.09608/RT)	396-527		11	k
50-20-30	k = 7.2766 exp(- 10977.32605/RT)	398-523		11	k
50-10-40	k = 5.594 exp(- 9917.50112/RT)	429-528		11	k
50-40-10	k = 5.8222 exp(- 10268.54459/RT)	433-522		11	k
52-24-24	k = 6.037 exp(- 10412.4766/RT)	393-571		12	k
53.4-35-11.6	k = 5.437 exp(- 10510.38384/RT)	403-573		12	k
54-23-23	k = 5.904 exp(- 10777.74591/RT)	383-573		12	k
56-22-22	k = 6.392 exp(- 11562.25904/RT)	373-573		12	k

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
56-33-11	k = 5.241 exp(- 10953.89526/RT)	403-573		12	k
58-21-21	k = 5.154 exp(- 11120.83965/RT)	393-573		12	k
58-31.5-10.5	k = 5.22 exp(- 11368.5366/RT)	393-575		12	k
60-30-10	k = 4.856 exp(- 11466.02543/RT)	393-573		12	k
60-20-20	k = 5.046 exp(- 11337.57448/RT)	403-573		12	k
60-30-10	k = 4.5838 exp(- 10999.92003/RT)	452-523		11	k
60-20-20	k = 4.5533 exp(- 10730.46592/RT)	452-533		11	k
60-10-30	k = 4.3811 exp(- 10355.15484/RT)	462-512		11	k
62-19-19	k = 4.98 exp(- 11664.35035/RT)	423-573		12	k
64-18-18	k = 3.848 exp(- 10998.2464/RT)	433-543		12	k
68-24-8	k = 2.835 exp(- 10643.01886/RT)	443-523		12	k
68-16-16	k = 2.897 exp(- 10477.74809/RT)	453-523		12	k
	$AlCl_3$-$MgCl_2$				
0-100	k = 6.55154 exp(- 15294.44948/RT)	1004-1256	(61)	13	k
5.0-95.0	k = 6.91943 exp(- 17622.04762/RT)	995-1173		13	k
16.2-83.8	(T=1229 K, k=0.7743)			13	k
18.2-83.8	k = 3.62789 exp(- 15141.73092/RT)	981-1158		13	k
29.8-70.2	k = 2.01636 exp(- 13377.72701/RT)	968-1068		13	k
36.1-63.9	k = 2.7574 exp(- 17604.89293/RT)	955-1064		13	k
68.1-31.9	k = 0.60208 exp(- 11772.71776/RT)	631-782		13	k
88.0-12.0	(T=631 K, k=0.0505)			13	k
88.0-12.0	k = 7.5972 exp(- 25885.16746/RT)	510-588		13	k
	$AlCl_3$-NaBr				
52.5-47.5	k = 6.1906 exp(- 10742.59973/RT)	448-498		2	a,c,f
55-45	k = 5.7836 exp(- 10932.5565/RT)	448-498		2	a,c,f
60-40	k = 5.2282 exp(- 11455.98366/RT)	448-498		2	a,c,f
65-35	k = 4.557 exp(- 11777.32024/RT)	448-498		2	a,c,f
70-30	k = 3.527 exp(- 11636.73548/RT)	448-498		2	a,c,f
75-25	k = 2.492 exp(- 11394.05942/RT)	473-498		2	a,c,f
	$AlCl_3$-NaCl				
50-50	k = - 1.59838 + 0.00601589 T - 3.29411 x 10^{-6} T^2	448-673	(62)	9	d
50.0-50.0	k = 6.317 exp(- 9993.23279/RT)	460-540	(63)	5	a,f
50.8-49.2	k = 4.975 exp(- 9163.1133/RT)	460-540		5	a,f
52-48	k = - 1.22339 + 0.0045665 T - 2.1265 x 10^{-6} T^2	448-673		9	d
57.8-42.2	k = 4.829 exp(- 10499.92367/RT)	460-540	(64)	5	a,f
60-40	k = - 0.77428 + 0.0027635 T - 9.8104 x 10^{-7} T^2	448-573		9	d
69-31	k = 2.757 exp(- 10018.33721/RT)	420-510		5	a,f
69.1-30.9	k = 3.979 exp(- 11240.08565/RT)	450-490		5	a,f
70-30	k = 3.9313 exp(- 11573.13762/RT)	428-482		9	d
80.6-19.4	k = 1.422 exp(- 9838.84061/RT)	480-510		5	a,f
81.1-18.9	k = 1.627 exp(- 10432.56014/RT)	480-510		5	a,f
	$AlCl_3$-NH_4Cl				
49.9-50.1	k = 16.98 exp(- 16989.83464/RT)	570-580		5	a,f
57.1-42.9	k = 6.826 exp(- 13360.57232/RT)	540-560		5	a,f
70.90-29.10	k = 4.245 exp(- 12699.48926/RT)	470-570		5	a,f
79.75-20.25	k = 2.559 exp(- 12211.2083/RT)	470-560		5	a,f
	$AlCl_3$-RbCl				
70.0-30.0	k = 5.207 exp(- 14803.65807/RT)	448-498		5	a,f
75.0-25.0	k = 3.003 exp(- 13074.38194/RT)	448-498		5	a,f
	$AlCl_3$-$SbCl_3$				
2.5-97.5	k = 0.02079 exp(- 2638.89295/RT)	360-504		8	k
5-95	k = 0.05541 exp(- 3784.49132/RT)	357-505		8	k
10-90	k = 0.2012 exp(- 6030.50009/RT)	353-503		8	k
15-85	k = 0.271 exp(- 5886.98649/RT)	382-513		8	k
20-80	k = 0.4935 exp(- 7380.69948/RT)	396-499		8	k
25-75	k = 0.768 exp(- 8719.60188/RT)	399-498		8	k

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
30-70	k = 0.7565 exp(- 8435.92193/RT)	434-493		8	k
40-60	k = 1.181 exp(- 10227.95912/RT)	447-491		8	k
50-50	k = 1.612 exp(- 11904.51596/RT)	455-483		8	k
55-45	k = 1.411 exp(- 11764.76803/RT)	456-491		8	k
60-40	k = 0.8825 exp(- 10248.04265/RT)	466-490		8	k
	$AlCl_3$-$SbCl_3$-$C_9H_{13}NCl$				
19-60-21	k = 15.06 exp(- 19791.06951/RT)	298-434		8	k
21-60-19	k = 9.089 exp(- 18615.34584/RT)	298-434		8	k
	AlF_3-KF				
25-75	k = 24.984 exp(- 25634.12326/RT)	1273-1340	(65)	14	a,g
	AlF_3-LiF				
0-100	k = 22.198 exp(- 9343.02831/RT)	1130-1320	(66)	14	a,f
25-75	k = 6.852 exp(- 5215.86166/RT)	1180-1320		14	a,f
	AlF_3-NaF				
0-100	k = 19.932 exp(- 13592.3698/RT)	1273-1353	(67)	14	a,f
13.8-86.2	k = 12.569 exp(- 12507.85886/RT)	1273-1353		14	a,f
20.0-80.0	k = 9.8098 exp(- 11894.05579/RT)	1273-1353		14	a,f
21.9-78.1	k = 9.445 exp(- 11714.55919/RT)	1273-1353		14	a,f
25.0-75.0	k = 8.896 exp(- 12238.82316/RT)	1273-1353	(68)	14	a,f
29.7-70.3	k = 8.01 exp(- 11596.15001/RT)	1273-1353		14	a,f
32.3-67.7	k = 7.231 exp(- 10825.86272/RT)	1273-1353		14	a,f
	AlF_3-Na_3AlF_6				
0-100	k = 8.896 exp(- 12238.82316/RT)	1300-1340	(69)	3	a,f
11.6-88.4	k = 7.81419 exp(- 11327.53271/RT)	1270-1350		3	a,f
17.9-82.1	k = 7.09307 exp(- 10617.49603/RT)	1270-1350		3	a,f
	AlI_3				
100	k = 0.1876 exp(- 45133.56309/RT)	464-530	±20%	1	a,f
	AlI_3-CdI_2				
91.96-8.04	k = 0.06177 exp(- 14641.73456/RT)	470-580		4	a,f
2.48-27.24 CdI_2	k = 0.001065 - 6.472 x 10^{-4} C + 1.169 x 10^{-4} C^2 - 4.504 x 10^{-6} C^3 + 5.597 x 10^{-8} C^4	473		4	a,n
	AlI_3-CuI				
73.97-26.03	(T=473 K, k=0.005567)			4	a
73.97-26.03	k = 252.37 exp(- 42799.27044/RT)	470-570		4	a,f
85.43-14.57	(T=473 K, k=0.004779)			4	a
87.97-12.03	(T=473 K, k=0.002707)			4	a
93.17-6.83	(T=473 K, k=0.002004)			4	a
96.78-3.22	(T=473 K, k=0.0006657)			4	a
98.20-1.80	(T=473 K, k=0.000127)			4	a
	AlI_3-HgI_2				
89.54-10.46	k = 0.005255 exp(- 3381.10513/RT)	470-580		4	a,f
0.66-37.74 HgI_2	k = 4.542 x 10^{-4} - 4.093 x 10^{-4} C + 6.8494 x 10^{-5} C^2 - 1.202 x 10^{-6} C^3 + 1.0691 x 10^{-8} C^4	473		4	a,n
47.64-75.2 HgI_2	k = 2.3071 - 0.12051 C + 0.00207 C^2 + 1.1103 x 10^{-5} C^3	473		4	a,n
	AlI_3-KI				
79.99-20.01	k = 3.408 exp(- 17624.13965/RT)	470-580		4	a,f
0.83-46.5 KI	k = - 4.679 x 10^{-4} + 5.292 x 10^{-4} C + 1.012 x 10^{-4} C^2 - 2.708 x 10^{-6} C^3 + 3.239 x 10^{-8} C^4	473		4	a,n
	AlI_3-SbI_3				
0-100	(T=473 K, k=0.0002099)		(70)	4	a
7.05-92.95	(T=473 K, k=0.007524)			4	a
88.73-11.27	k = - 0.0113589 + 5.23513 x 10^{-5} T - 4.9963 x 10^{-8} T^2	470-580		4	a
2.35-72.81 SbI_3	k = 2.358 x 10^{-4} + 7.439 x 10^{-6} C + 2.107 x 10^{-5} C^2 - 3.1095 x 10^{-7} C^3 + 1.206 x 10^{-9} C^4	473		4	a,n

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional AlI_3 systems, see : AgI-					
	Al_2O_3-CaF_2				
0-100	k = 18.168 exp(- 16146.32613/RT)	1720-1960	(71)	3	a,f
3.9-96.1	k = 21.3545 exp(- 24457.14437/RT)	1720-1960		3	a,f
7.8-92.2	k = 22.1757 exp(- 29081.79694/RT)	1720-1960		3	a,f
16.1-83.9	k = 20.1512 exp(- 31740.35502/RT)	1720-1960		3	a,f
24.7-75.3	k = 186.517 exp(- 72723.32067/RT)	1720-1960		3	a,f
	Al_2O_3-K_3AlF_6				
0-100	k = 1832.75 exp(- 69125.02047/RT)	1200-1320	(72)	3	a,f
12-88	k = 23.5202 exp(- 24218.65238/RT)	1270-1320		3	a,f
22-78	k = 13.7918 exp(- 19099.02433/RT)	1250-1320		3	a,f
31-69	k = 14.4436 exp(- 20269.30871/RT)	1230-1320		3	a,f
	Al_2O_3-Na_3AlF_6				
9.7-90.3	k = 7.37054 exp(- 11225.023/RT)	1270-1350		3	a,f
17.2-82.8	k = 7.01229 exp(- 11671.88167/RT)	1270-1350		3	a,f
	Al_2O_3-Na_3AlF_6-SiO_2				
0-100-0	(T=1273 K, k=2.8)		(73)	3	a
0-98-2	(T=1273 K, k=2.63)			3	a
0-96-4	(T=1273 K, k=2.57)			3	a
0-94-6	(T=1273 K, k=2.5)			3	a
3-97-0	(T=1273 K, k=2.68)			3	a
3-95-2	(T=1273 K, k=2.57)			3	a
3-93-4	(T=1273 K, k=2.49)			3	a
3-91-6	(T=1273 K, k=2.42)			3	a
6-94-0	(T=1273 K, k=2.53)			3	a
6-92-2	(T=1273 K, k=2.41)			3	a
6-90-4	(T=1273 K, k=2.31)			3	a
6-88-6	(T=1273 K, k=2.26)			3	a
9-91-0	(T=1273 K, k=2.38)			3	a
9-89-2	(T=1273 K, k=2.28)			3	a
9-87-4	(T=1273 K, k=2.23)			3	a
9-85-6	(T=1273 K, k=2.18)			3	a
12-88-0	(T=1273 K, k=2.22)			3	a
12-86-2	(T=1273 K, k=2.18)			3	a
12-84-4	(T=1273 K, k=2.15)			3	a
12-82-6	(T=1273 K, k=2.1)			3	a
	Al_2S_3				
For Al_2S_3 systems, see : $AlCl_3$-					
	As_2S_3-K_2S				
30-70	k = 5106.57 exp(- 84673.02459/RT)	770-980		6	a,b
40-60	k = 13.1554 - 0.042781 T + 3.6844 x 10^{-5} T^2 + 3.5319 x 10^{-9} T^3 - 1.03 x 10^{-11} T^4	730-980		6	a,b,m
50-50	k = 0.7889 - 0.003124 T + 2.957 x 10^{-6} T^2	670-980		6	a
60-40	k = 0.7444 - 0.003039 T + 2.909 x 10^{-6} T^2	670-980		6	a
70-30	k = 1.006 - 0.003624 T + 3.195 x 10^{-6} T^2	670-980		6	a
80-20	k = 1.046 - 0.003425 T + 2.814 x 10^{-6} T^2	670-980		6	a
90-10	k = 0.5679 - 0.001798 T + 1.431 x 10^{-6} T^2	670-980		6	a
	As_2S_3-Na_2S				
10-90	k = 38.2548 exp(- 23566.77428/RT)	830-970		6	a,f
20-80	k = 26.3441 exp(- 21785.19727/RT)	830-970		6	a,f
30-70	k = 21.9483 exp(- 22293.14337/RT)	830-970		6	a,f
40-60	k = 37.4298 exp(- 28494.77192/RT)	770-970		6	a,f
50-50	k = 60.0658 exp(- 33872.55709/RT)	770-970		6	a,f
60-40	k = 96.3533 exp(- 39069.17203/RT)	730-970		6	a,f
70-30	k = 113.905 exp(- 42376.26096/RT)	730-970		6	a,f
80-20	k = 139.835 exp(- 46719.32562/RT)	730-970		6	a,f
90-10	k = 182.59 exp(- 53208.81819/RT)	730-970		6	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})				
	$BaBr_2$				
100	k = 13.539 exp(- 22765.52487/RT)	1126-1338	±10%	1	a,f
	$BaBr_2$-KBr				
0-100	k = 5.991 exp(- 11045.9448/RT)	1020-1120	(74)	4	a,f
20.5-79.5	k = 8.108 exp(- 15658.04516/RT)	930-1120		4	a,f
24.3-75.7	k = 8.615 exp(- 16407.83051/RT)	930-1120		4	a,f
33.3-66.7	k = 9.059 exp(- 17573.93081/RT)	920-1120		4	a,f
40.0-60.0	k = 10.141 exp(- 20010.31478/RT)	920-1120		4	a,f
52.0-48.0	k = 12.492 exp(- 21418.67274/RT)	910-1120		4	a,f
65.0-35.0	k = 15.891 exp(- 24055.05524/RT)	970-1120		4	a,f
75.0-25.0	k = 16.261 exp(- 24414.46686/RT)	1030-1120		4	a,f
85.0-15.0	k = 23.166 exp(- 28150.42296/RT)	1090-1120		4	a,f
	$BaCl_2$				
100	k = 17.479 exp(- 22066.78518/RT)	1233-1359	±9%	1	
	$BaCl_2$-BaF_2				
50-50	k = 36.0851 exp(- 34001.84486/RT)	1275-1370		2	a,f
62.5-37.5	k = 37.8111 exp(- 37405.5858/RT)	1275-1370		2	a,f
75-25	k = 38.3415 exp(- 38254.95201/RT)	1275-1370		2	a,f
87.5-12.5	k = 43.1696 exp(- 37366.25554/RT)	1275-1370		2	a,f
100-0	k = 39.564 exp(- 32844.9495/RT)	1275-1370	(75)	2	a,f
	$BaCl_2$-$CaCl_2$				
0-100	k = 13.819 exp(- 17534.18215/RT)	1080-1360	(76)	5	a,f
10-90	k = 13.835 exp(- 17883.9704/RT)	1040-1360		5	a,f
20-80	k = 13.765 exp(- 18078.94806/RT)	980-1360		5	a,f
30-70	k = 13.755 exp(- 18353.42306/RT)	980-1360		5	a,f
40-60	k = 13.58 exp(- 18481.4556/RT)	980-1360		5	a,f
50-50	k = 13.814 exp(- 18914.92525/RT)	1040-1360		5	a,f
60-40	k = 13.509 exp(- 18923.29339/RT)	1080-1360		5	a,f
70-30	k = 12.705 exp(- 18541.2878/RT)	1140-1360		5	a,f
80-20	k = 13.47 exp(- 19424.96338/RT)	1180-1360		5	a,f
90-10	k = 12.213 exp(- 18601.53841/RT)	1240-1360		5	a,f
100-0	k = 10.671 exp(- 17391.50536/RT)	1280-1540	(77)	5	a,f
	$BaCl_2$-CsCl				
0-100	k = 5.908 exp(- 12235.4759/RT)	1090-1240	(78)	5	a,f
9.04-90.96	k = 5.503 exp(- 12199.4929/RT)	1070-1280		5	a,f
17.63-82.37	k = 5.873 exp(- 13231.28456/RT)	1070-1280		5	a,f
26.60-73.40	k = 6.486 exp(- 14803.23966/RT)	1070-1280		5	a,f
33.0-67.0	k = 7.045 exp(- 15962.64546/RT)	1070-1280		5	a,f
39.65-60.35	k = 7.403 exp(- 16715.35965/RT)	1070-1280		5	a,f
49.05-50.95	k = 8.133 exp(- 17858.02917/RT)	1070-1280		5	a,f
55.0-45.0	k = 8.615 exp(- 18171.41601/RT)	1070-1280		5	a,f
64.0-36.0	k = 9.951 exp(- 19356.76304/RT)	1070-1280		5	a,f
90.0-10.0	k = 11.713 exp(- 18898.60738/RT)	1170-1280		5	a,f
100-0	k = 12.85 exp(- 18835.84633/RT)	1240-1290	(79)	5	a,f
	$BaCl_2$-$LaCl_3$				
0-100	k = 12.715 exp(- 22002.3505/RT)	1140-1220	(80)	5	a,f
10.0-90.0	k = 13.467 exp(- 22369.71185/RT)	1140-1270		5	a,f
25.0-75.0	k = 14.934 exp(- 23267.19486/RT)	1140-1270		5	a,f
40.0-60.0	k = 17.707 exp(- 24793.96201/RT)	1160-1270		5	a,f
55.0-45.0	k = 17.532 exp(- 24504.42436/RT)	1150-1280		5	a,f
70.0-30.0	k = 17.975 exp(- 24506.09799/RT)	1190-1280		5	a,f
86.31-13.69	k = 14.701 exp(- 21509.88546/RT)	1250-1300		5	a,f
100-0	k = 12.85 exp(- 18835.84633/RT)	1240-1290	(81)	5	a,f
	$BaCl_2$-LiCl				
0-100	k = 11.604 exp(- 4994.10595/RT)	1080-1270	(82)	5	a,f
22.4-77.6	k = 22.592 exp(- 14732.11047/RT)	1080-1270		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
35.6-64.4	k = 27.004 exp(- 18165.97672/RT)	1080-1270		5	a,f
47.6-52.4	k = 35.274 exp(- 22351.72035/RT)	1080-1270		5	a,f
65.0-35.0	k = 30.581 exp(- 23118.66038/RT)	1080-1270		5	a,f
78.4-21.6	k = 30.103 exp(- 24829.5266/RT)	1140-1270		5	a,f
89.5-10.5	k = 19.038 exp(- 21769.2978/RT)	1180-1270		5	a,f
100.0-0.0	k = 5.274 exp(- 9406.62617/RT)	1240-1270	(83)	5	a,f
	$BaCl_2$-$MgCl_2$				
0-100	k = 6.936 exp(- 15892.77149/RT)	1000-1240	(84)	5	a,f
31.4-68.6	k = 6.349 exp(- 11716.65122/RT)	1040-1340		5	a,f
55.6-44.4	k = 7.625 exp(- 13948.85257/RT)	1140-1340		5	a,f
64.5-35.5	k = 9.211 exp(- 16011.18067/RT)	1180-1320		5	a,f
100-0	k = 12.506 exp(- 19091.0746/RT)	1260-1340	(85)	5	a,f
	$BaCl_2$-NaCl				
0-100	k = 8.539 exp(- 7781.95179/RT)	1100-1180	(86)	5	a,f
13-87	k = 7.525 exp(- 8618.76579/RT)	1080-1380		5	a,f
23.95-76.05	k = 7.832 exp(- 10020.01084/RT)	1020-1300		5	a,f
35.4-64.6	k = 11.606 exp(- 14740.47861/RT)	960-1300		5	a,f
48-52	k = 11.434 exp(- 15453.44414/RT)	1020-1300		5	a,f
67.5-32.5	k = 12.023 exp(- 16414.52502/RT)	1160-1340		5	a,f
83.5-16.5	k = 12.333 exp(- 17980.20401/RT)	1200-1400		5	a,f
100-0	k = 9.882 exp(- 16610.33949/RT)	1260-1360	(87)	5	a,f
	$BaCl_2$-NaF				
0-100	(T=1273 K, k=5.13)		(88)	2	a,f
10-90	k = 10.767 exp(- 10023.35809/RT)	1123-1273		2	a,f
20-80	k = 11.187 exp(- 12460.57887/RT)	1123-1273		2	a,f
30-70	k = 7.979 exp(- 10424.61041/RT)	1173-1273		2	a,f
40-60	k = 7.317 exp(- 10551.80613/RT)	1173-1273		2	a,f
50-50	(T=1273 K, k=2.54)			2	a
60-40	(T=1273 K, k=2.44)			2	a
70-30	(T=1273 K, k=2.34)			2	a
80-20	(T=1273 K, k=2.3)			2	a
90-10	(T=1273 K, k=2.24)			2	a
100-0	(T=1273 K, k=2.18)		(89)	2	a
	$BaCl_2$-$NaNO_3$				
1.169-98.831	k = 10.3483 exp(- 11502.42684/RT)	620-640		3	a,f
1.979-98.021	k = 12.0767 exp(- 12381.08154/RT)	620-630		3	a,f
6.138-93.862	k = 10.2658 exp(- 11699.07813/RT)	620-630		3	a,f
9.121-90.879	k = 14.9312 exp(- 13861.4055/RT)	620-630		3	a,f
	$BaCl_2$-Na_3AlF_6				
0-100	k = 9.088 exp(- 12447.60825/RT)	1270-1370	(90)	3	a,f
2.0-98.0	k = 10.6567 exp(- 14503.66025/RT)	1260-1380		3	a,f
5.0-95.0	k = 4.52076 exp(- 5756.86191/RT)	1290-1390		3	a,f
10.1-89.9	k = 5.61644 exp(- 8611.65287/RT)	1260-1340		3	a,f
20.1-79.9	k = 8.77794 exp(- 13961.82318/RT)	1240-1380		3	a,f
40.2-59.8	k = 11.9105 exp(- 17581.04373/RT)	1260-1320		3	a,f
60.2-39.8	k = 16.8584 exp(- 21704.86313/RT)	1220-1320		3	a,f
100-0	k = 14.23 exp(- 19911.98913/RT)	1250-1350	(91)	3	a,f
	$BaCl_2$*BaF_2-Na_3AlF_6				
0-100	k = 15.39 exp(- 18125.39124/RT)	1270-1370	(92)	3	a,f,v4
20-80	k = 15.1603 exp(- 18482.71082/RT)	1270-1370		3	a,f,v4
40-60	k = 18.0073 exp(- 20883.53018/RT)	1270-1370		3	a,f,v4
60-40	k = 21.1963 exp(- 24079.74126/RT)	1270-1370		3	a,f,v4
80-20	k = 22.4685 exp(- 26286.41978/RT)	1270-1370		3	a,f,v4
100-0	k = 36.65 exp(- 34167.11562/RT)	1270-1370	(93)	3	a,f,v4

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance ($ohm^{-1}\ cm^{-1}$) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	BaF_2-NaF				
32.4-67.6	k = 28.311 exp(- 19078.94079/RT)	1180-1370		14	a,f
For additional BaF_2 systems, see : $BaCl_2$- ; $BaCl_2$*					
	BaI_2				
100	k = 13.767 exp(- 24397.31217/RT)	991-1292	±10%	1	a,f
	$Ba(NO_2)_2$				
100	k = 255.94 exp(- 33340.34339/RT)	553-573	±6%	1	a,f
	$Ba(NO_2)_2$-$Ba(NO_3)_2$				
85-15	(T=613.2 K, k=0.32)			7	a
90-10	k = 111.55 exp(- 29767.14761/RT)	573-613		7	a,f
95-5	k = 169.86 exp(- 31807.30014/RT)	553-613		7	a,f
100-0	k = 122.5 exp(- 30049.99074/RT)	553-613	(94)	7	a,f
	$Ba(NO_2)_2$-$CsNO_2$				
0-100	k = 7.359 exp(- 13280.23818/RT)	685-733	(95)	7	a,f
5.3-94.7	k = 6.938 exp(- 13504.50433/RT)	653-693		7	a,f
11.1-88.9	k = 13.452 exp(- 17920.37181/RT)	653-693		7	a,f
17.6-82.4	k = 8.976 exp(- 15977.70811/RT)	613-693		7	a,f
25.0-75.0	k = 10.497 exp(- 17466.40022/RT)	613-673		7	a,f
29.0-71.0	k = 11.374 exp(- 18179.78415/RT)	633-673		7	a,f
33.3-66.7	k = 12.844 exp(- 19191.07387/RT)	633-673		7	a,f
37.9-62.1	k = 13.885 exp(- 19776.42526/RT)	633-673		7	a,f
42.9-57.1	k = 14.986 exp(- 20112.82449/RT)	613-673		7	a,f
53.8-46.2	k = 82.188 exp(- 28934.09927/RT)	593-633		7	a,f
60.0-40.0	k = 67.858 exp(- 27800.2163/RT)	593-633		7	a,f
66.7-33.3	k = 47.143 exp(- 25903.57737/RT)	613-633		7	a,f
73.9-26.1	k = 77.974 exp(- 28263.39285/RT)	593-613		7	a,f
81.8-18.2	k = 74.525 exp(- 27757.12038/RT)	593-613		7	a,f
100-0	k = 122.5 exp(- 30049.99074/RT)	553-613	(96)	7	a,f
	$Ba(NO_2)_2$-$CsNO_3$				
0-100	k = 7.778 exp(- 15451.77051/RT)	700-730	(97)	7	a,f
5.3-94.7	k = 6.8 exp(- 15043.82369/RT)	680-730		7	a,f
11.1-88.9	k = 7.185 exp(- 15625.82782/RT)	660-730		7	a,f
17.6-82.4	k = 9.29 exp(- 17504.89366/RT)	620-710		7	a,f
21.2-78.8	k = 13.401 exp(- 19785.21181/RT)	580-690		7	a,f
25.0-75.0	k = 15.938 exp(- 20906.54257/RT)	580-670		7	a,f
29.0-71.0	k = 15.797 exp(- 21054.24024/RT)	580-650		7	a,f
33.3-66.7	k = 18.566 exp(- 22048.37527/RT)	580-650		7	a,f
37.9-62.1	k = 24.3 exp(- 23529.53605/RT)	580-660		7	a,f
42.9-57.1	k = 28.19 exp(- 24451.70508/RT)	580-630		7	a,f
48.1-51.9	k = 29.809 exp(- 24740.40591/RT)	580-630		7	a,f
53.8-46.2	k = 22.229 exp(- 23380.58316/RT)	580-630		7	a,f
60.0-40.0	k = 24.313 exp(- 23743.34203/RT)	580-630		7	a,f
66.7-33.3	k = 25.598 exp(- 23960.91367/RT)	580-630		7	a,f
73.9-26.1	k = 11.398 exp(- 19423.70816/RT)	580-630		7	a,f
81.8-18.2	k = 19.087 exp(- 21886.87017/RT)	580-630		7	a,f
90.5-9.5	k = 22.9 exp(- 22401.51078/RT)	580-590		7	a,f
100-0	k = 122.5 exp(- 30049.99074/RT)	560-610	(98)	7	a,f
	$Ba(NO_2)_2$-KNO_2				
0-100	k = 7.809 exp(- 10835.48608/RT)	720-750	(99)	7	a,b,f
17.6-82.4	k = 12.088 exp(- 14744.66268/RT)	625-725		7	a,b,f
22.0-78.0	k = 15.059 exp(- 16039.21394/RT)	600-700		7	a,b,f
25.0-75.0	k = 18.064 exp(- 17137.95072/RT)	580-680		7	a,b,f
29.0-71.0	k = 21.9335 exp(- 18322.87934/RT)	575-680		7	a,b,f
33.3-66.7	k = 26.139 exp(- 19468.47771/RT)	575-650		7	a,b,f
37.9-62.1	k = 34.334 exp(- 21079.34466/RT)	575-650		7	a,b,f
42.9-57.1	k = 38.869 exp(- 21873.06274/RT)	575-650		7	a,b,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance ($ohm^{-1}\ cm^{-1}$) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
48.1-51.9	k = 40.723 exp(- 22330.38159/RT)	575-650		7	a,b,f
50.9-49.1	k = 38.805 exp(- 22261.34444/RT)	590-650		7	a,b,f
53.8-46.2	k = 48.178 exp(- 23447.52828/RT)	590-650		7	a,b,f
56.9-43.1	k = 39.2117 exp(- 22493.56032/RT)	590-650		7	a,b,f
60.0-40.0	k = 39.984 exp(- 22694.39568/RT)	590-650		7	a,b,f
63.3-36.7	k = 43.7141 exp(- 23234.97752/RT)	590-650		7	a,b,f
66.7-33.3	k = 41.244 exp(- 23024.93721/RT)	590-650		7	a,b,f
70.2-29.8	k = 50.539 exp(- 24166.35151/RT)	590-650		7	a,b,f
73.9-26.1	k = 55.309 exp(- 24743.33476/RT)	590-650		7	a,b,f
77.8-22.2	k = 54.3942 exp(- 24806.09581/RT)	590-650		7	a,b,f
81.8-18.2	k = 77.63 exp(- 26727.83916/RT)	585-650		7	a,b,f
86.0-14.0	k = 97.067 exp(- 27957.95574/RT)	575-650		7	a,b,f
90.5-9.5	k = 86.036 exp(- 27549.59051/RT)	575-650		7	a,b,f
95.1-4.9	k = 80.18 exp(- 27350.42878/RT)	575-650		7	a,b,f
100-0	k = 255.94 exp(- 33340.34339/RT)	553-650	(100)	7	a,b,f
	$Ba(NO_2)_2$-KNO_3				
0-100	k = 10.1314 exp(- 13939.64761/RT)	613-653	(101)	7	a,g
6-94	k = 12.3465 exp(- 15418.71636/RT)	593-653		7	a,g
10-90	k = 13.9669 exp(- 16333.77247/RT)	573-653		7	a,g
26-74	k = 14.574 exp(- 17288.15883/RT)	573-653		7	a,g
49-51	k = 16.2522 exp(- 18644.63433/RT)	593-633		7	a,g
60-40	k = 20.6227 exp(- 20086.04644/RT)	593-613		7	a,g
74-26	k = 41.4756 exp(- 23976.81314/RT)	573-593		7	a,g
95-5	k = 178.954 exp(- 31498.09737/RT)	573-593		7	a,g
	$Ba(NO_2)_2$-$NaNO_2$				
0-100	k = 16.185 exp(- 11794.89333/RT)	580-610	(102)	7	a,f
2.0-98.0	k = 17.043 exp(- 12287.35837/RT)	580-610		7	a,f
4.3-95.7	k = 15.994 exp(- 12220.41325/RT)	560-610		7	a,f
7.2-92.8	k = 15.452 exp(- 12365.18207/RT)	560-610		7	a,f
10.8-89.2	k = 18.53 exp(- 13627.51599/RT)	540-610		7	a,f
15.3-84.7	k = 25.545 exp(- 15642.5641/RT)	520-610		7	a,f
18.0-82.0	k = 27.621 exp(- 16298.20787/RT)	520-610		7	a,f
21.3-78.6	k = 31.745 exp(- 17322.0498/RT)	520-610		7	a,f
25.0-75.0	k = 34.566 exp(- 18069.3247/RT)	520-610		7	a,f
29.8-70.2	k = 39.888 exp(- 19229.14891/RT)	520-610		7	a,f
34.7-65.3	k = 46.582 exp(- 20455.08142/RT)	520-610		7	a,f
41.9-58.1	k = 63.315 exp(- 22496.90758/RT)	520-590		7	a,f
50.6-49.4	k = 74.899 exp(- 24014.46977/RT)	520-590		7	a,b,f
56.2-43.8	k = 77.958 exp(- 24641.24345/RT)	520-590		7	a,f
61.9-38.1	k = 87.28 exp(- 25648.3491/RT)	520-590		7	a,f
69.5-30.5	k = 76.011 exp(- 25616.96858/RT)	540-590		7	a,f
79.4-20.6	k = 101.18 exp(- 27471.3484/RT)	540-590		7	a,f
100-0	k = 255.94 exp(- 33340.34339/RT)	560-570	(103)	7	a,f
	$Ba(NO_3)_2$-$CsNO_2$				
0-100	k = 7.359 exp(- 13280.23818/RT)	680-730	(104)	7	a,f
5.3-94.7	k = 6.945 exp(- 13765.5903/RT)	660-690		7	a,f
11.1-88.9	k = 8.644 exp(- 15734.61364/RT)	640-690		7	a,f
17.6-82.4	k = 9.772 exp(- 17175.60735/RT)	600-690		7	a,f
21.2-78.8	k = 13.494 exp(- 19342.95561/RT)	580-690		7	a,f
25.0-75.0	k = 17.779 exp(- 21178.92553/RT)	580-690		7	a,f
29.0-71.0	k = 18.634 exp(- 21626.62102/RT)	580-690		7	a,f
33.3-66.7	k = 19.662 exp(- 22211.1356/RT)	580-690		7	a,f
37.9-62.1	k = 16.922 exp(- 21552.14457/RT)	600-690		7	a,f
42.9-57.1	k = 15.361 exp(- 21186.03845/RT)	640-690		7	a,f
	$Ba(NO_3)_2$-$CsNO_3$				
0-100	k = 5.90327 exp(- 13730.44411/RT)	700-740	(105)	7	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
10-90	k = 8.873 exp(- 16796.94902/RT)	640-720		7	a,f
20-80	k = 10.037 exp(- 18121.20717/RT)	620-720		7	a,f
30-70	k = 4.413 exp(- 13784.41862/RT)	650-720		7	a,f
	$Ba(NO_3)_2$-KNO_2				
14-86	k = 12.5527 exp(- 15074.7858/RT)	573-593		7	a,g
18-82	k = 22.712 exp(- 18320.78731/RT)	553-593		7	a,g
24-76	k = 28.38 exp(- 19973.91337/RT)	533-593		7	a,g
29-71	k = 27.917 exp(- 20427.88496/RT)	533-593		7	a,g
32-68	k = 16.8111 exp(- 18306.97988/RT)	573-593		7	a,g
	$Ba(NO_3)_2$-KNO_3				
0-100	k = 10.824 exp(- 14522.90697/RT)	620-730	(106)	7	a,f
10-90	k = 10.294 exp(- 14937.1299/RT)	620-710		7	a,f
20-80	k = 10.528 exp(- 15642.5641/RT)	610-720		7	a,f
30-70	k = 7.594 exp(- 14200.73358/RT)	680-740		7	a,f
For additional $Ba(NO_3)_2$ systems, see : $AgNO_3$- ; $Ba(NO_2)_2$-					
	BaO-CaF_2				
10.48-89.52	k = 82.3194 exp(- 39130.67786/RT)	1673-1973		3	a,f
	$Ba(PO_3)_2$				
100	k = 616.313 exp(- 98597.60955/RT)	1230-1340		6	a,f
	Ba_2SO_4-Li_2SO_4				
0-100	k = 13.858 exp(- 11962.25613/RT)	1140-1200	(107)	6	a,f
1-99	k = 17.548 exp(- 13619.14785/RT)	1140-1220		6	a,f
2.5-97.5	k = 17.093 exp(- 13648.43634/RT)	1150-1220		6	a,f
3.92-96.08	k = 17.471 exp(- 14122.90988/RT)	1100-1190		6	a,f
6-94	k = 12.499 exp(- 11368.11819/RT)	1100-1220		6	a,f
	$BeCl_2$				
100	k = 6.718680000000 x 10^{12} exp(- 2.1905907689 x 10^5/RT)	718-761	±50%	1	a,f
	$BeCl_2$-KCl				
11-89	k = 8.288 exp(- 13134.63254/RT)	993-1093		15	k
15-85	k = 8.569 exp(- 13998.22459/RT)	963-1053		15	k
21-79	k = 9.573 exp(- 15241.7302/RT)	893-1003		15	k
26-74	k = 8.72 exp(- 14822.06798/RT)	863-1003		15	k
32-68	k = 6.516 exp(- 12803.67261/RT)	853-963		15	k
36-64	k = 5.804 exp(- 12066.85788/RT)	813-923		15	k
48-52	k = 6.123 exp(- 12338.40402/RT)	683-803		15	k
55-45	k = 8.942 exp(- 15233.36206/RT)	673-733		15	k
57-43	k = 8.125 exp(- 14986.08352/RT)	703-793		15	k
64-36	k = 16.708 exp(- 21058.84272/RT)	673-733		15	k
	$BeCl_2$-NaCl				
30.44-69.56	k = 6.56 exp(- 10150.55382/RT)	740-790		5	a,f
31.95-68.05	k = 9.421 exp(- 12489.03054/RT)	720-770		5	a,f
35.09-64.91	k = 9.723 exp(- 12663.08786/RT)	640-770		5	a,f
37.77-62.23	k = 9.805 exp(- 12901.16144/RT)	620-770		5	a,f
38.43-61.57	k = 9.48 exp(- 12545.09708/RT)	620-770		5	a,f
41.53-58.47	k = 9.883 exp(- 12426.26949/RT)	580-770		5	a,f
43.19-56.81	k = 9.893 exp(- 12637.56503/RT)	560-750		5	a,f
44.86-55.14	k = 12.001 exp(- 13746.34358/RT)	560-750		5	a,f
50.74-49.26	k = 16.465 exp(- 15882.72972/RT)	540-750		5	a,f
51.63-48.37	k = 14.362 exp(- 15342.56628/RT)	540-770		5	a,f
54.92-45.08	k = 15.129 exp(- 16784.39681/RT)	540-770		5	a,f
56.17-43.83	k = 20.588 exp(- 17750.91698/RT)	560-690		5	a,f
57.68-42.32	k = 38.441 exp(- 21769.2978/RT)	560-670		5	a,f
64.1-35.9	k = 11.368 exp(- 16779.37592/RT)	600-710		5	a,f
78.48-21.52	k = 43.921 exp(- 30306.05582/RT)	680-750		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	BeF_2-LiF				
34.0-66.0	k = 32.998 exp(- 19653.83201/RT)	750-920		14	a,f
38.0-62.0	k = 45.759 exp(- 22870.96343/RT)	740-800		14	a,f
42.0-58.0	k = 57.316 exp(- 25500.65143/RT)	730-800		14	a,f
47.0-53.0	k = 87.425 exp(- 29936.18404/RT)	700-790		14	a,f
50.0-50.0	k = 99.09 exp(- 31917.75959/RT)	650-820		14	a,f
52.0-48.0	k = 104.57 exp(- 33108.96432/RT)	680-790		14	a,f
54.0-46.0	k = 99.03 exp(- 33862.09692/RT)	660-820		14	a,f
57.5-42.5	k = 76.225 exp(- 33733.64597/RT)	720-810		14	a,f
60.0-40.0	k = 75.814 exp(- 35053.30165/RT)	740-820		14	a,f
65.0-35.0	k = 51.075 exp(- 35713.9663/RT)	760-820		14	a,f
70.0-30.0	k = 46.931 exp(- 38795.95226/RT)	770-820		14	a,f
	BeF_2-NaF				
43.0-57.0	k = 149.55 exp(- 34902.25672/RT)	630-820		14	a,f
50.0-50.0	k = 139.89 exp(- 36684.67054/RT)	670-820		14	a,f
55.0-45.0	k = 175.23 exp(- 39784.648/RT)	640-830		14	a,f
	BeF_2-Na_3AlF_6				
100-55 Na_3AlF_6	k = 1.495 + 0.01277 C	1273	(108)	3	a
	$BiBr_3$				
100	k = - 1.99453 + 0.00817416 T - 8.99735 x 10^{-6} T^2 + 3.02196 x 10^{-9} T^3	600-998	±3%	1	a
100	k = 2.159 exp(- 9355.58052/RT)	510-590	±3%	1	a,f
	$BiBr_3$-$BiCl_3$				
0-100	k = 1.21 exp(- 5242.63971/RT)	523-723	(109)	2	a,f
10-90	k = 1.11125 exp(- 4909.58774/RT)	523-723		2	a,f
20-80	k = 1.05179 exp(- 4768.16617/RT)	523-723		2	a,f
30-70	k = 1.03344 exp(- 4815.02776/RT)	523-723		2	a,f
40-60	k = 1.01201 exp(- 4856.86846/RT)	523-723		2	a,f
50-50	k = 1.01769 exp(- 5017.95515/RT)	523-723		2	a,f
60-40	k = 1.00337 exp(- 5096.61567/RT)	523-723		2	a,f
70-30	k = 1.01242 exp(- 5308.32961/RT)	523-723		2	a,f
80-20	k = 1.02682 exp(- 5556.02655/RT)	523-723		2	a,f
90-10	k = 1.0544 exp(- 5870.66862/RT)	523-723		2	a,f
100-0	k = 1.1303 exp(- 6468.57222/RT)	523-723	(110)	2	a,f
	$BiBr_3$-BiI_3				
0-100	k = 0.818559 exp(- 6138.4491/RT)	723-773	(111)	2	a,f
10-90	k = 0.793265 exp(- 5867.73977/RT)	673-773		2	a,f
20-80	k = 0.780246 exp(- 5669.41485/RT)	673-773		2	a,f
30-70	k = 0.696916 exp(- 4911.26137/RT)	673-773		2	a,f
40-60	k = 0.609884 exp(- 3989.59443/RT)	673-773		2	a,f
50-50	k = 0.512145 exp(- 2821.56945/RT)	673-773		2	a,f
60-40	k = 0.437781 exp(- 1783.92009/RT)	673-773		2	a,f
70-30	k = 0.361356 exp(- 460.16402/RT)	673-773		2	a,f
80-20	k = 0.348402 exp(- 74.1459/RT)	673-773		2	a,f
90-10	k = 0.300969 exp(917.27367/RT)	673-773		2	a,f
100-0	k = 1.1303 exp(- 6468.57222/RT)	523-723	(112)	2	a,f
	$BiCl_3$				
100	k = - 4.0243 + 0.016574 T - 1.9059 x 10^{-5} T^2 + 6.8368 x 10^{-9} T^3	620-898	±2.3%	1	a
100	k = 3.5702 exp(- 9409.97343/RT)	510-610	±2.3%	1	a,f
	$BiCl_3$-$GaCl_3$				
10-90	k = 0.4661 exp(- 11755.98148/RT)	456-509		5	a,f
20-80	k = 0.4092 exp(- 8125.04553/RT)	456-509		5	a,f
30-70	k = 0.3614 exp(- 7069.40467/RT)	456-509		5	a,f
50-50	k = 77.527 exp(- 28329.50116/RT)	509-521		5	a,f
60-40	k = 163.39 exp(- 30470.07137/RT)	509-521		5	a,f
70-30	k = 202.49 exp(- 30337.85476/RT)	509-521		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
80-20	k = 86.4 exp(- 25681.82166/RT)		509-521		5	a,f
90-10	k = 25.8 exp(- 19656.76086/RT)		509-521		5	a,f
100-0	k = 8.019 exp(- 13794.04198/RT)		509-521	(113)	5	a,f
For additional $BiCl_3$ systems, see : $BiBr_3$-						
		BiI_3				
100	k = 0.6888 exp(- 5025.06807/RT)		686-775	±3%	1	a,f
		$Bi_2(MoO_4)_3$				
100	k = 79.1553 exp(- 46280.41668/RT)		980-1120		6	a,f
		$Bi_2(MoO_4)_3$-$PbMoO_4$				
0-100	k = 4.50602 exp(- 17881.04155/RT)		1371-1391	(114)	6	a,f
19.6-80.4	k = 13.8684 exp(- 29333.67796/RT)		1297-1334		6	a,f
40-60	k = 21.8636 exp(- 33481.34655/RT)		1180-1240		6	a,f
62.2-37.8	k = 77.1107 exp(- 46300.91862/RT)		1060-1100		6	a,f
71.5-28.5	k = 229.957 exp(- 54551.90466/RT)		1000-1040		6	a,f
78.7-21.3	k = 178.936 exp(- 53602.12077/RT)		980-1060		6	a,f
90-10	k = 122.244 exp(- 49961.97987/RT)		1000-1060		6	a,f
100-0	k = 79.1553 exp(- 46279.99827/RT)		981-1120	(115)	6	a,f
		Bi_2O_3				
100	k = - 11.668 + 0.010764 T		1102-1228	n.a.	1	a,c
		Bi_2S_3				
100	k = 2717.1 exp(1760.23825/RT)		973-1198	±15%,(116)	1	a,c,v5
		Bi_2S_3-K_2S				
30.56-69.44	k = 9.9199 exp(- 69197.82329/RT)		1123-1223		6	a,f
40-60	k = 3.50497 exp(- 54447.30291/RT)		1073-1223		6	a,f
50.56-49.44	k = 1.28299 exp(- 39741.97049/RT)		1023-1223		6	a,f
60-40	k = 1.25633 exp(- 35207.27542/RT)		1023-1223		6	a,f
69.4-30.6	k = 2.29958 exp(- 37956.62782/RT)		1123-1223		6	a,f
70.56-29.44	k = 1.19208 exp(- 31596.84142/RT)		1023-1073		6	a,f
79.3-20.7	k = 1.88573 exp(- 33718.16491/RT)		1023-1223		6	a,f
90-10	k = 2.69564 exp(- 35059.57775/RT)		1023-1223		6	a,f
100-0	k = 4.43417 exp(- 38003.4894/RT)		1023-1223	(117)	6	a,f
		$Bi_2(WO_4)_3$				
100	k = 91.826 exp(- 51618.87159/RT)		1160-1275		6	a,f
		$Bi_2(WO_4)_3$-$PbWO_4$				
0-100	k = 10.388 exp(- 29422.38024/RT)		1408-1503	(118)	6	a,f
20-80	k = 19.359 exp(- 36112.70817/RT)		1300-1394		6	a,f
40-60	k = 43.02 exp(- 43807.2129/RT)		1181-1296		6	a,f
60-40	k = 55.809 exp(- 46384.60002/RT)		1140-1273		6	a,f
73-27	k = 83.387 exp(- 50505.90897/RT)		1125-1171		6	a,f
80-20	k = 195.83 exp(- 59200.40643/RT)		1123-1236		6	a,f
100-0	k = 91.826 exp(- 51618.87159/RT)		1160-1275	(119)	6	a,f
		B_2O_3-$NaPO_3$				
0.00-100.00	k = 29.736 exp(- 32393.06994/RT)		920-1170	(120)	3	a,f
59.4-40.6	k = 166.347 exp(- 67221.26862/RT)		1020-1220		3	a,f
96.5-3.5	k = 0.00116 - 9.02 x 10^{-6} T + 7.9 x 10^{-9} T^2		1020-1220		3	a,f
		$CaBr_2$				
100	k = 12.82 exp(- 18723.71325/RT)		1014-1291	±2.5%	1	a,f
		$CaBr_2$-$CdCl_2$				
0-100 $CaBr_2$	k = 65.69 - 0.09174 C - 0.01041 C^2 + 1.963 x 10^{-4} C^3 - 1.038 x 10^{-6} C^4		1023		2	a,n,o,s
		$CaBr_2$-KCl				
100-0 $CaBr_2$	k = 100.2 - 0.969 C - 0.009446 C^2 + 2.254 x 10^{-4} C^3 - 8.866 x 10^{-7} C^4		1023		2	a,n,o,s
		$CaCl_2$				
100	k = 19.628 exp(- 19870.14843/RT)		1060-1291	±2.5%	1	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$CaCl_2$-CsCl				
20-80	k = 6.918 exp(- 16660.12993/RT)	1023-1273		16	k
40-60	k = 5.118 exp(- 15267.67143/RT)	1173-1273		16	k
50-50	k = 5.168 exp(- 15180.64277/RT)	1223-1273		16	k
60-40	k = 6.743 exp(- 17301.12945/RT)	1173-1273		16	k
80-20	k = 9.469 exp(- 17424.14111/RT)	1023-1273		16	k
	$CaCl_2$-KBr				
0-100 KBr	k = 50.7 - 0.8727 C + 0.02554 C^2 - 1.947 x 10^{-4} C^3 + 7.066 x 10^{-7} C^4	1023		2	a,n,o,s
	$CaCl_2$-KCl				
0-100	k = 7.542 exp(- 10882.34766/RT)	1080-1140	(121)	5	a,f
20-80	k = 12.725 exp(- 18081.0401/RT)	1000-1050		5	a,f
40-60	k = 10.968 exp(- 18090.24505/RT)	1080-1110		5	a,f
60-40	k = 15.197 exp(- 20983.52946/RT)	1010-1050		5	a,f
80-20	k = 15.139 exp(- 19849.22808/RT)	1060-1100		5	a,f
100-0	k = 14.058 exp(- 16999.0396/RT)	1100-1170	(122)	5	a,f
	$CaCl_2$-LiCl				
0-100 $CaCl_2$	k = 6.5931 - 0.096139 C + 6.4119 x 10^{-4} C^2 - 1.2606 x 10^{-6} C^3	1073	(123)	5	a,n
	$CaCl_2$-$MgCl_2$				
0-100	k = 10.193 exp(- 19089.81938/RT)	1020-1080	(124)	5	a,f
20-80	k = 7.812 exp(- 13709.10536/RT)	1000-1050		5	a,f
40-60	k = 11.46 exp(- 15654.69791/RT)	980-1040		5	a,f
60-40	k = 6.449 exp(- 10517.91517/RT)	1000-1050		5	a,f
80-20	k = 26.585 exp(- 22438.3306/RT)	1050-1090		5	a,f
100-0	k = 14.058 exp(- 16999.0396/RT)	1100-1170	(125)	5	a,f
	$CaCl_2$-NaCl				
0-100	k = 8.198 exp(- 7293.67082/RT)	1090-1170	(126)	5	a,f
11.5-88.5	k = 7.61 exp(- 8069.81581/RT)	1060-1080		5	a,f
26.4-73.6	k = 12.129 exp(- 13831.2802/RT)	980-1080		5	a,f
48.2-51.8	k = 19.031 exp(- 19042.12098/RT)	830-1080		5	a,f
66.7-33.3	k = 19.203 exp(- 19732.91093/RT)	970-1070		5	a,f
100-0	k = 21.218 exp(- 20593.99254/RT)	1080-1130	(127)	5	a,f
	$CaCl_2$-$PrCl_3$				
0-100	k = 14.69999 exp(- 24198.06676/RT)	1071-1262	(128)	17	k
25.1-74.9	k = 13.51362 exp(- 22039.88161/RT)	1019-1254		17	k
35.2-64.8	k = 15.67959 exp(- 22702.17805/RT)	1001-1272		17	k
50.3-49.7	k = 19.9979 exp(- 24167.98329/RT)	937-1265		17	k
62.5-37.5	k = 18.63543 exp(- 22545.56831/RT)	979-1269		17	k
74.2-25.8	k = 18.34112 exp(- 21646.49535/RT)	977-1269		17	k
87.3-12.7	k = 15.5015 exp(- 19053.83637/RT)	1051-1256		17	k
100-0	k = 14.57292 exp(- 17489.45444/RT)	1073-1250	(129)	17	k
	$CaCl_2$-RbCl				
0-100	k = 6.984 exp(- 12195.30883/RT)	1073-1173	(130)	5	a,f
10-90	k = 8.421 exp(- 15157.21198/RT)	1073-1173		5	a,f
20-80	k = 9.151 exp(- 17007.82614/RT)	1073-1173		5	a,f
30-70	(T=1173 K, k=1.49)			5	a
40-60	(T=1173 K, k=1.4)			5	a
50-50	(T=1173 K, k=1.38)			5	a
60-40	(T=1173 K, k=1.4)			5	a
70-30	k = 4.997 exp(- 11480.25127/RT)	1073-1173		5	a,f
80-20	k = 7.376 exp(- 13974.37539/RT)	1073-1173		5	a,f
90-10	k = 8.276 exp(- 13609.9429/RT)	1073-1173		5	a,f
100-0	k = 11.086 exp(- 14842.98833/RT)	1073-1173	(131)	5	a,f
	$CaCl_2$-$SrCl_2$				
0-100	k = 12.084 exp(- 17617.44514/RT)	1180-1320	(132)	5	a,f
58.8-41.2	k = 10.031 exp(- 14842.15151/RT)	1180-1320		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
100-0	k = 10.847 exp(- 14940.47716/RT)	1180-1320	(133)	5	a,f
For additional $CaCl_2$ systems, see : $BaCl_2$-					
	$CaCrO_4$-KCl-LiCl				
7.3-19.0-73.7	k = 10.3803 exp(- 20221.61031/RT)	760-970		3	a,f
8.2-47.6-44.2	k = 15.9493 exp(- 22127.8726/RT)	760-970		3	a,f
9.1-57.3-33.6	k = 22.0244 exp(- 29132.8426/RT)	820-970		3	a,f
10.6-36.6-52.8	k = 5.99566 exp(- 18362.62801/RT)	820-970		3	a,f
11.0-7.7-81.3	k = 7.09648 exp(- 13963.91522/RT)	820-970		3	a,f
	$CaCrO_4$-LiCl				
6.36-93.64	k = 6.6534 exp(- 8261.02781/RT)	860-970		3	a,f
	CaF_2				
100	k = 18.168 exp(- 16146.32613/RT)	1720-1960		3	a,f
	CaF_2-CaO				
46.7-53.3	k = 99.0338 exp(- 49175.37471/RT)	1720-1960		3	a,f
62.6-37.4	k = 117.926 exp(- 48719.31108/RT)	1720-1960		3	a,f
80.3-19.7	k = 343.246 exp(- 16390.25741/RT)	1720-1960		3	a,f
93.2-6.8	k = 66.8413 exp(- 38214.36653/RT)	1720-1960		3	a,f
96.6-3.4	k = 34.883 exp(- 27213.60969/RT)	1720-1960		3	a,f
	CaF_2-LiF				
0.0-100.0	k = 20.471 exp(- 7768.14436/RT)	1150-1340	(134)	14	a,f
7.0-93.0	k = 19.474 exp(- 8150.98677/RT)	1130-1340		14	a,f
14.0-86.0	k = 22.01 exp(- 11237.57521/RT)	1090-1340		14	a,b,f
20.0-80.0	k = 25.06 exp(- 12118.74035/RT)	1090-1340		14	a,f
30.0-70.0	k = 19.399 exp(- 10911.63615/RT)	1160-1340		14	a,f
	CaF_2-MgO				
68.8-31.2	k = 109.855 exp(- 45091.72239/RT)	1670-1950		3	a,f
100-0	(T=1973 K, k=6.81)		(135)	3	a
	CaF_2-NaF				
51.8-48.2	k = 17.813 exp(- 12760.57669/RT)	1180-1360		14	a,f
	CaF_2-Na_3AlF_6				
0-100	k = 8.896 exp(- 12238.82316/RT)	1270-1350	(136)	3	a,f
12.3-87.7	k = 9.6206 exp(- 13304.50579/RT)	1270-1350		3	a,f
23.0-77.0	k = 9.77672 exp(- 13692.78748/RT)	1270-1350		3	a,f
32.3-67.7	k = 9.67876 exp(- 13678.14324/RT)	1270-1350		3	a,f
	CaF_2-TiO_2				
80-20	k = - 92.214 + 0.110266 T - 3.114 x 10^{-5} T^2	1470-1870		3	a
95-5	k = - 107.518 + 0.12866 T - 3.665 x 10^{-5} T^2	1470-1870		3	a
	CaF_2-V_2O_5				
93-7	k = 14.4582 exp(- 5655.60742/RT)	1670-1870		3	a,f
98-2	k = 224.209 - 0.30798 T + 1.0656 x 10^{-4} T^2	1470-1590		3	a
98-2	k = - 119.657 + 0.14138 T - 3.921 x 10^{-5} T^2	1600-1870		3	a
	CaF_2-ZrO_2				
89.87-10.13	k = 162.302 exp(- 54016.3437/RT)	1670-1990		3	a,f
For additional CaF_2 systems, see : Al_2O_3- ; BaO-					
	CaI_2				
100	k = 7.843 exp(- 16912.01094/RT)	1059-1287	±2%	1	a,f
	$Ca(NO_2)_2$				
100	k = 4955.5 exp(- 58748.10846/RT)	663-693		7	a,f
	$Ca(NO_2)_2$-$CsNO_2$				
0-100	k = 7.84459 exp(- 13606.59564/RT)	693-713	(137)	7	a,g
5-95	k = 11.2798 exp(- 16166.82807/RT)	673-713		7	a,g
10-90	k = 14.9599 exp(- 18357.60713/RT)	593-713		7	a,g
17-83	k = 15.5347 exp(- 19268.89757/RT)	533-713		7	a,g
25-75	k = 13.4749 exp(- 19318.2696/RT)	533-713		7	a,g

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
34-66	k = 5.91273 exp(- 15768.50461/RT)	613-713		7	a,g
40-60	k = 7.96441 exp(- 18166.81353/RT)	673-693		7	a,g
60-40	k = 16.8979 exp(- 24044.17666/RT)	673-693		7	a,g
80-20	k = 40.4444 exp(- 30298.10609/RT)	673-693		7	a,g
100-0	k = 4955.4 exp(- 58748.10846/RT)	663-693	(138)	7	a,g
	$Ca(NO_2)_2$-KNO_2				
10-90	k = 12.2556 exp(- 14499.89459/RT)	643-683		7	a,g
20-80	k = 13.8808 exp(- 16237.95726/RT)	523-683		7	a,g
30-70	k = 150.482 exp(- 9707.46081/RT)	483-683		7	a,g
43-57	k = 44.8134 exp(- 24762.99989/RT)	483-683		7	a,g
48-52	k = 30.399 exp(- 23419.0766/RT)	523-683		7	a,g
60-40	k = 285.767 exp(- 37446.58969/RT)	663-683		7	a,g
80-20	k = 328.528 exp(- 40531.9229/RT)	663-683		7	a,g
100-0	k = 4955.4 exp(- 58748.10846/RT)	663-693	(139)	7	a,g
	$Ca(NO_2)_2$-$NaNO_2$				
0-100	k = 26.9536 exp(- 14066.00653/RT)	573-633	(140)	7	a,g
10-90	k = 52.5157 exp(- 18581.03646/RT)	513-633		7	a,g
20-80	k = 47.4462 exp(- 19333.75066/RT)	513-633		7	a,g
25-75	k = 64.6331 exp(- 21558.42068/RT)	493-633		7	a,g
33-67	k = 111.535 exp(- 25846.25561/RT)	493-633		7	a,g
44-56	k = 101.444 exp(- 28732.4271/RT)	533-633		7	a,g
	$Ca(NO_2)_2$-$RbNO_2$				
14-86	k = 13.7612 exp(- 17196.10929/RT)	573-693		7	a,g
24-76	k = 17.8817 exp(- 19496.51098/RT)	513-693		7	a,g
33-67	k = 28.8734 exp(- 22830.79636/RT)	513-693		7	a,g
42-58	k = 22.4222 exp(- 22371.80388/RT)	553-693		7	a,g
65-35	k = 48.2027 exp(- 28456.69688/RT)	593-693		7	a,g
100-0	k = 4955.4 exp(- 58748.10846/RT)	663-693	(141)	7	a,g
	$Ca(NO_3)_2$-KNO_3				
0-100	k = 10.824 exp(- 14522.90697/RT)	620-730	(142)	7	a,f
10-90	k = 10.299 exp(- 15012.44316/RT)	620-730		7	a,f
20-80	k = 19.605 exp(- 19439.18922/RT)	520-710		7	a,f
33.5-66.5	k = 26.159 exp(- 22091.8896/RT)	540-690		7	a,f
	$Ca(NO_3)_2$-$NaNO_3$				
0-100	k = 11.089 exp(- 11673.5553/RT)	610-690	(143)	7	a,f
10-90	k = 13.658 exp(- 14083.57962/RT)	580-690		7	a,f
25-75	k = 31.255 exp(- 20899.42965/RT)	550-670		7	a,f
50-50	k = 15.433 exp(- 19079.3592/RT)	570-640		7	a,f
For additional $Ca(NO_3)_2$ systems, see : $AgNO_3$-					
	CaO-KOH-K_2CO_3				
5.1-93.2-1.7	k = 9.40357 exp(- 8793.24151/RT)	680-860		3	a,f
10.2-88.1-1.7	k = 8.48049 exp(- 9060.60359/RT)	680-860		3	a,f
	CaO-NaOH-Na_2CO_3				
1.6-96.3-2.1	k = 14.0613 exp(- 10022.10287/RT)	780-860		3	a,f
For additional CaO systems, see : CaF_2-					
	$Ca(PO_3)_2$				
100	k = 13741.6 exp(- 1.3729607298 x 10^5/RT)	1255-1330		6	a,f
	$CaSb_2O_4$-Sb_2O_3				
15-0 $CaSb_2O_4$	k = 0.0443 + 0.005402 C - 3.97 x 10^{-4} C^2	1033	(144)	3	a
	$CaSb_2O_6$-Sb_2O_3				
15-0 $CaSb_2O_6$	k = 0.0446 - 8.227 x 10^{-4} C	1033	(145)	3	a
	$Ca_4Sb_8O_{23}$-Sb_2O_3				
15-0 $Ca_4Sb_8O_{23}$	k = 0.05 + 2.871 x 10^{-4} C - 6.89 x 10^{-5} C^2	1033	(146)	3	a

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$CdBr_2$				
100	k = 5.488 exp(- 11502.00843/RT)	849-1055	±1.5%	1	a,f
	$CdBr_2$-$CdCl_2$				
0-100	k = 6.724 exp(- 9001.6082/RT)	873-913	(147)	2	a,f
10-90	k = 9.884 exp(- 12281.91908/RT)	873-913		2	a,f
20-80	k = 10.311 exp(- 13041.74619/RT)	873-913		2	a,f
30-70	k = 10.805 exp(- 13818.72799/RT)	873-913		2	a,f
40-60	k = 11.363 exp(- 14601.56749/RT)	873-913		2	a,f
50-50	k = 13.945 exp(- 16530.84216/RT)	873-913		2	a,f
60-40	k = 14.963 exp(- 17460.54252/RT)	873-913		2	a,f
70-30	k = 22.356 exp(- 20817.84029/RT)	873-913		2	a,f
80-20	k = 29.171 exp(- 23160.91949/RT)	873-913		2	a,f
90-10	k = 39.268 exp(- 25754.62448/RT)	873-913		2	a,f
100-0	k = 44.674 exp(- 27086.83237/RT)	873-913	(148)	2	a,f
	$CdBr_2$-KBr				
20-80	k = 5.488 exp(- 11581.50576/RT)	890-1020		4	a,f
30-70	k = 5.586 exp(- 12696.97882/RT)	890-1020		4	a,f
37-63	k = 5.478 exp(- 12435.05604/RT)	890-1020		4	a,f
47-53	k = 4.806 exp(- 11122.51328/RT)	890-1020		4	a,f
57-43	k = 4.401 exp(- 9886.95741/RT)	890-1020		4	a,f
74-26	k = 4.366 exp(- 9507.88067/RT)	890-1020		4	a,f
88-12	k = 4.856 exp(- 10405.78209/RT)	890-1020		4	a,f
100-0	k = 5.728 exp(- 11842.59173/RT)	890-1020	(149)	4	a,f
	$CdBr_2$-NaBr				
6-94	k = 5.337 exp(- 6385.30923/RT)	980-1070		4	a,f
22-78	k = 6.562 exp(- 8963.11475/RT)	830-1020		4	a,f
32-68	k = 6.311 exp(- 9069.39013/RT)	830-1020		4	a,f
37-63	k = 6.352 exp(- 9389.05308/RT)	780-1020		4	a,f
52-48	k = 5.751 exp(- 9132.56959/RT)	780-1020		4	a,f
61.5-38.5	k = 5.836 exp(- 9630.47392/RT)	780-1020		4	a,f
74-26	k = 5.285 exp(- 9458.50864/RT)	830-1020		4	a,f
87-13	k = 5.356 exp(- 10276.91273/RT)	830-1020		4	a,f
100-0	k = 5.728 exp(- 11842.59173/RT)	850-1020	(150)	4	a,f
	$CdBr_2$-$ZnCl_2$				
0-100 $CdBr_2$	k = 0.2385 + 0.00665 C + 6.483 x 10^{-5} C^2 - 4.216 x 10^{-7} C^3	873	(151)	2	a,n
	$CdCl_2$				
100	k = 6.365 exp(- 8577.3435/RT)	845-1082	±1%	1	a,f
	$CdCl_2$-CdI_2				
0-100	k = 23.327 exp(- 26535.79035/RT)	680-965	(152)	2	a,f
25.0-75.0	k = 12.4012 exp(- 19960.10594/RT)	650-965		2	a,f
50.0-50.0	k = 9.2762 exp(- 15980.21855/RT)	695-965		2	a,f
75.0-25.0	k = 7.3685 exp(- 12478.15196/RT)	785-965		2	a,f
100-0	k = 6.9148 exp(- 9200.35152/RT)	860-965	(153)	2	a,f
	$CdCl_2$-CsCl				
50-50	k = 240.83 exp(- 14255.9633/RT)	823-873		5	a,f,s
	$CdCl_2$-KCl				
16.1-83.9	k = 2097.4 exp(- 58749.78209/RT)	970-990		5	a,f
20.4-79.6	k = 35.437 exp(- 25147.09751/RT)	920-990		5	a,f
25.2-74.8	k = 7.732 exp(- 13161.41059/RT)	880-990		5	a,f
30.8-69.2	k = 7.23 exp(- 12912.45843/RT)	850-990		5	a,f
33.5-66.5	k = 7.263 exp(- 12902.83507/RT)	850-990		5	a,f
40.8-59.2	k = 6.573 exp(- 12003.67842/RT)	850-990		5	a,f
46.0-54.0	k = 6.424 exp(- 11593.22116/RT)	850-990		5	a,f
50.6-49.4	k = 5.883 exp(- 10540.92755/RT)	850-990		5	a,f
60.6-39.4	k = 6.448 exp(- 10551.80613/RT)	850-990		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
67.6-32.4	k = 6.969 exp(- 10778.16432/RT)	850-990		5	a,f
71.0-29.0	k = 7.305 exp(- 10993.22552/RT)	850-990		5	a,f
79.7-20.3	k = 7.824 exp(- 11081.09099/RT)	850-990		5	a,f
90.5-9.5	k = 7.665 exp(- 10478.58491/RT)	850-990		5	a,f
100-0	k = 6.724 exp(- 9001.6082/RT)	850-990	(154)	5	a,f
	$CdCl_2$-LiCl				
0-100	k = 12.6 exp(- 5606.6538/RT)	900-1020	(155)	5	a
25.0-75.0	k = 11.3 exp(- 7740.5295/RT)	850-1020		5	a
50.0-50.0	k = 10.3 exp(- 9037.5912/RT)	810-1020		5	a
75.0-25.0	k = 9.09 exp(- 9497.8389/RT)	800-1020		5	a
100-0	k = 6.915 exp(- 9199.93312/RT)	860-1020	(156)	5	a
	$CdCl_2$-NaCl				
40-60	k = 8.234 exp(- 9799.09194/RT)	823-973		5	a,f
50-50	k = 7.896 exp(- 9571.06013/RT)	823-973		5	a,f
60-40	k = 8.367 exp(- 10046.78888/RT)	823-973		5	a,f,r
	$CdCl_2$-$PbBr_2$				
0-100 $PbBr_2$	k = 5.351 + 0.008116 C + 0.001597 C^2 - 4.561 x 10^{-5} C^3 + 2.209 x 10^{-7} C^4	873		2	a,n,o,s
	$CdCl_2$-$PbCl_2$				
0.0-100.0	k = 29.965 exp(- 19513.66567/RT)	775-790	(157)	5	b,f
14.4-85.6	k = 53.925 exp(- 22605.27499/RT)	755-790		5	a,f
27.5-72.5	k = 33.885 exp(- 19360.94711/RT)	735-790		5	a,f
38.2-61.8	k = 31.359 exp(- 18620.78513/RT)	735-790		5	a,f
50.3-49.7	k = 22.671 exp(- 16795.69379/RT)	735-790		5	a,f
60.3-39.7	k = 28.062 exp(- 18318.27687/RT)	755-790		5	a,f
	$CdCl_2$-TlCl				
0-100	k = 11.348 exp(- 13553.03954/RT)	735-770	(158)	5	a,f
25-75	k = 7.845 exp(- 12315.39164/RT)	735-770		5	a,f
30-70	k = 8.118 exp(- 12617.48149/RT)	735-770		5	a,f
35-65	k = 7.416 exp(- 12134.63981/RT)	735-770		5	a,f
40-60	k = 7.704 exp(- 12379.82632/RT)	735-770		5	a,f
42.5-57.5	k = 7.655 exp(- 12299.07377/RT)	735-770		5	a,f
45-55	k = 7.78 exp(- 12345.93535/RT)	735-770		5	a,f
47.5-52.5	k = 8.1 exp(- 12548.86274/RT)	735-770		5	a,f
50-50	k = 8.975 exp(- 13081.07645/RT)	735-770		5	a,f
55-45	k = 8.379 exp(- 12517.48222/RT)	735-770		5	a,f
60-40	k = 9.757 exp(- 13361.82755/RT)	735-770		5	a,f
65-35	k = 9.068 exp(- 12748.02448/RT)	735-770		5	a,f
	$CdCl_2$-$ZnBr_2$				
0-100 $ZnBr_2$	k = 53.51 - 0.8258 C + 0.002127 C^2 + 3.698 x 10^{-5} C^3 - 2.168 x 10^{-7} C^4	873		2	a,n,o,s

For additional $CdCl_2$ systems, see : $CaBr_2$- ; $CdBr_2$-

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	CdI_2				
100	k = 23.613 exp(- 26108.5968/RT)	675-913	±4.5%	1	a,f
	CdI_2-KI				
0-100	k = 5.803 exp(- 11917.48658/RT)	970-1060	(159)	4	a,f
5.0-95.0	k = 7.781 exp(- 14739.22339/RT)	970-1060		4	a,f
10.0-90.0	k = 8.608 exp(- 15917.4575/RT)	940-1060		4	a,f
20.0-80.0	k = 7.001 exp(- 15064.32563/RT)	850-1060		4	a,f
25.0-75.0	k = 38.546 exp(- 26705.24518/RT)	790-1060		4	a,f
33.3-66.7	k = 8.018 exp(- 15897.37397/RT)	700-1060		4	a,f
45.0-55.0	k = 6.636 exp(- 14766.83825/RT)	550-1060		4	a,f
52.5-47.5	k = 7.284 exp(- 14916.62796/RT)	490-970		4	a,f
58.0-42.0	k = 5.102 exp(- 13310.78189/RT)	580-970		4	a,f
80.0-20.0	k = 5.185 exp(- 14177.7212/RT)	640-970		4	a,f
100-0	k = 25.327 exp(- 26535.79035/RT)	670-970	(160)	4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional CdI_2 systems, see : AlI_3- ; $CdCl_2$-					
	$Cd(NO_3)_2$-$CsNO_3$				
21.2-78.8	k = 15.843 exp(- 19552.15911/RT)	550-590		7	a,f
23.1-76.9	k = 16.95 exp(- 19974.75018/RT)	510-590		7	a,f
25-75	k = 21.248 exp(- 21087.7128/RT)	490-590		7	a,f
27-73	k = 27.233 exp(- 22317.82938/RT)	470-590		7	a,f
29-71	k = 37.964 exp(- 23824.09458/RT)	450-590		7	a,f
31.1-68.9	k = 36.311 exp(- 23677.65213/RT)	450-590		7	a,f
33.3-66.7	k = 36.583 exp(- 23752.96539/RT)	450-590		7	a,f
35.6-64.4	k = 38.351 exp(- 24020.74587/RT)	450-590		7	a,f
37.9-62.1	k = 43.343 exp(- 24663.83743/RT)	450-590		7	a,f
40.4-59.6	k = 74.98 exp(- 27221.55942/RT)	430-590		7	a,f
42.9-57.1	k = 106.16 exp(- 28886.81928/RT)	430-590		7	a,f
48.1-51.9	k = 72.797 exp(- 27514.44432/RT)	470-590		7	a,f
53.8-46.2	k = 58.677 exp(- 26974.69929/RT)	510-590		7	a,f
60-40	k = 58.669 exp(- 27497.70804/RT)	550-590		7	a,f
66.7-33.3	k = 111 exp(- 31393.07721/RT)	570-590		7	a,f
	$Cd(NO_3)_2$-KNO_3				
5.3-94.7	(T=593.2 K, k=0.56)			7	a
11.2-88.8	k = 30.749 exp(- 20029.14309/RT)	573-593		7	a,f
14.3-85.7	k = 20.304 exp(- 18171.41601/RT)	553-593		7	a,f
17.7-82.3	k = 16.587 exp(- 17351.33829/RT)	533-593		7	a,f
21.3-78.7	k = 28.998 exp(- 20263.45101/RT)	493-593		7	a,f
25.0-75.0	k = 61.096 exp(- 23924.51226/RT)	453-593		7	a,f
27.0-73.0	k = 49.333 exp(- 23045.85756/RT)	473-593		7	a,f
29.1-70.9	k = 66.412 exp(- 24585.59532/RT)	453-593		7	a,f
31.2-68.8	k = 40.2 exp(- 22418.24706/RT)	493-593		7	a,f
33.4-66.6	k = 51.822 exp(- 23773.88574/RT)	473-593		7	a,f
35.2-64.8	k = 57.977 exp(- 24451.70508/RT)	473-593		7	a,f
38.0-62.0	k = 94.14 exp(- 26849.17719/RT)	453-593		7	a,f
40.4-59.6	k = 100.02 exp(- 27388.92222/RT)	473-593		7	a,f
42.9-57.1	k = 240.02 exp(- 31629.47717/RT)	453-593		7	a,f
45.0-55.0	k = 325.84 exp(- 33278.41915/RT)	453-593		7	a,f
48.2-51.8	k = 453.19 exp(- 35104.3473/RT)	453-593		7	a,f
51.0-49.0	k = 492.01 exp(- 36020.65863/RT)	453-593		7	a,f
53.9-46.1	k = 0.8327 - 0.004559 T + 6.115 x 10^{-6} T^2	453-593		7	a,n
60.0-40.0	k = 1.027 - 0.005167 T + 6.447 x 10^{-6} T^2	453-593		7	a,n
	$Cd(NO_3)_2$-$LiNO_3$				
0-100	k = 49.484 exp(- 18280.20183/RT)	540-590	(161)	7	a,f
5.3-94.7	k = 66.696 exp(- 21045.8721/RT)	540-590		7	a,f
11.1-88.9	k = 53.167 exp(- 20830.8109/RT)	540-590		7	a,f
14.3-85.7	k = 41.979 exp(- 20096.08821/RT)	520-590		7	a,f
17.6-82.4	k = 61.961 exp(- 22422.43113/RT)	520-590		7	a,f
21.2-78.8	k = 65.013 exp(- 23035.81579/RT)	520-590		7	a,f
25.0-75.0	k = 91.914 exp(- 24952.11985/RT)	500-590		7	a,f
27.0-73.0	k = 105.45 exp(- 25839.97951/RT)	500-590		7	a,f
29.0-71.0	k = 133.12 exp(- 27288.50454/RT)	500-590		7	a,f
31.1-68.9	k = 186.2 exp(- 29145.39481/RT)	480-590		7	a,f
33.3-66.7	k = 269.74 exp(- 31284.29139/RT)	480-590		7	a,f
35.1-64.9	k = 409.32 exp(- 33497.66442/RT)	480-590		7	a,n
36.5-63.5	k = 472.71 exp(- 34330.29435/RT)	480-590		7	a,n
37.9-62.1	k = 426 exp(- 34288.45365/RT)	500-590		7	a,f
40.4-59.6	k = 363.56 exp(- 33736.15641/RT)	510-590		7	a,f
42.9-57.1	k = 385.52 exp(- 34367.95098/RT)	540-590		7	a,f
45.4-54.4	k = 389.9 exp(- 34824.01461/RT)	540-590		7	a,f
48.1-51.9	k = 2718.7 exp(- 44521.43365/RT)	580-590		7	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
53.8-46.2	k = 1196.8 exp(- 41244.47003/RT)	580-590		7	a,f
	$Cd(NO_3)_2$-$NaNO_3$				
11.1-88.9	k = 17.562 exp(- 15228.75958/RT)	553-593		7	a,f
17.6-82.4	k = 27.097 exp(- 18065.55904/RT)	533-593		7	a,f
21.2-78.8	k = 38.739 exp(- 20154.66519/RT)	533-593		7	a,f
25.0-75.0	k = 41.016 exp(- 20830.8109/RT)	513-593		7	a,f
27.0-73.0	k = 43.718 exp(- 21414.90707/RT)	513-593		7	a,f
29.0-71.0	k = 49.976 exp(- 22338.74973/RT)	513-573		7	a,f
31.1-68.9	k = 86.836 exp(- 25167.18105/RT)	493-593		7	a,f
33.3-66.7	k = 144.24 exp(- 27932.85132/RT)	473-593		7	a,f
35.6-64.4	k = 297.8 exp(- 31552.07187/RT)	453-593		7	a,f
37.9-62.1	k = 310.4 exp(- 32037.42399/RT)	453-593		7	a,f
40.4-59.6	k = - 0.2086 - 9.469 x 10^{-4} T + 3.305 x 10^{-6} T^2	453-593		7	a,n
42.9-57.1	k = 403.55 exp(- 33902.26399/RT)	453-593		7	a,f
45.5-54.5	k = 0.3466 - 0.002992 T + 5.049 x 10^{-6} T^2	453-593		7	a,n
47.1-52.9	k = 0.4227 - 0.003253 T + 5.244 x 10^{-6} T^2	453-593		7	a,n
49.3-50.7	k = 0.5952 - 0.00388 T + 5.767 x 10^{-6} T^2	453-593		7	a,n
50.9-49.1	k = 0.5426 - 0.003637 T + 5.468 x 10^{-6} T^2	453-593		7	a,n
53.8-46.2	k = 0.8761 - 0.0049 T + 6.573 x 10^{-6} T^2	473-593		7	a,n
60.0-40.0	k = 449.76 exp(- 36966.25845/RT)	533-593		7	a,f
	$Cd(NO_3)_2$-$RbNO_3$				
0-100	(T=593.2 K, k=0.438)		(162)	7	a
5.3-94.7	k = 669.95 exp(- 35299.32496/RT)	553-593		7	a,f
11.2-88.8	k = 29.178 exp(- 21165.1181/RT)	513-593		7	a,f
17.7-82.3	k = 50.516 exp(- 23895.22377/RT)	453-593		7	a,f
21.3-78.7	k = 53.717 exp(- 24351.2874/RT)	453-593		7	a,f
23.1-76.9	k = 52.192 exp(- 24321.99891/RT)	453-593		7	a,f
25.0-75.0	k = 56.666 exp(- 24761.32626/RT)	453-593		7	a,f
27.0-73.0	k = 65.005 exp(- 25416.13322/RT)	453-593		7	a,f
29.1-70.9	k = 82.617 exp(- 26556.29229/RT)	453-593		7	a,f
31.2-68.8	k = 79.803 exp(- 26529.09584/RT)	453-593		7	a,f
33.4-66.6	k = 73.291 exp(- 26258.38651/RT)	453-593		7	a,f
35.6-64.4	k = 85.819 exp(- 27070.9329/RT)	453-593		7	a,f
38.0-62.0	k = 76.972 exp(- 26634.11599/RT)	453-593		7	a,f
40.4-59.6	k = 96.334 exp(- 27914.44141/RT)	453-593		7	a,f
42.9-57.1	k = 113.86 exp(- 28863.8069/RT)	453-593		7	a,f
45.5-54.5	k = 53.254 exp(- 25556.29956/RT)	493-593		7	a,f
48.2-51.8	k = 51.874 exp(- 25617.38698/RT)	513-593		7	a,f
51.0-49.0	k = 69.386 exp(- 27395.61673/RT)	533-593		7	a,f
53.9-46.1	k = 50.37 exp(- 26104.41273/RT)	553-593		7	a,f
60.0-40.0	k = 82.012 exp(- 29070.08155/RT)	573-593		7	a,f
66.7-33.3	(T=593.2 K, k=0.199)			7	a
	$Cd(NO_3)_2$-$TlNO_3$				
0-100	k = 7.7826 exp(- 12203.67697/RT)	490-570	(163)	7	a,f
5.3-94.7	k = 8.9176 exp(- 13096.1391/RT)	460-570		7	a,f
8.1-91.9	k = 11.073 exp(- 14201.9888/RT)	460-570		7	a,f
11.1-88.9	k = 11.459 exp(- 14493.61848/RT)	440-570		7	a,f
14.3-85.7	k = 16.003 exp(- 16175.61462/RT)	430-570		7	a,f
17.6-82.4	k = 20.02 exp(- 17338.78608/RT)	400-570		7	a,f
21.2-78.8	k = 24.891 exp(- 18535.4301/RT)	400-570		7	a,f
23.1-76.9	k = 37.918 exp(- 20280.18729/RT)	400-530		7	a,f
25-75	k = 20.668 exp(- 17959.70207/RT)	430-570		7	a,f
27-73	k = 22.657 exp(- 18499.86551/RT)	430-570		7	a,f
29-71	k = 24.024 exp(- 18919.10932/RT)	430-570		7	a,f
31.1-68.9	k = 25.745 exp(- 19483.12196/RT)	390-570		7	a,f
33.3-66.7	k = 29.436 exp(- 20339.18268/RT)	440-570		7	a,f
35.6-64.4	k = 47.393 exp(- 22644.18684/RT)	430-570		7	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
37.9-62.1	k = 28.761 exp(- 20614.91289/RT)	470-570		7	a,f
40.4-59.6	k = 34.945 exp(- 21719.50737/RT)	470-570		7	a,f
42.9-57.1	k = 32.887 exp(- 21694.40295/RT)	490-570		7	a,f
48.1-51.9	k = 46.041 exp(- 23840.83086/RT)	510-570		7	a,f
53.8-46.2	k = 32.21 exp(- 22943.76625/RT)	550-570		7	a,f
For additional $Cd(NO_3)_2$ systems, see : $AgNO_3$-					
	$Cd(PO_3)_2$				
100	k = 1003.04 exp(- 99911.40753/RT)	1190-1270		6	a,f
	$CdSO_4$-Li_2SO_4				
0-100	k = 13.858 exp(- 11962.25613/RT)	1140-1200	(164)	6	a,f
3.92-96.08	k = 17.926 exp(- 13932.9531/RT)	1120-1170		6	a,f
	$CeCl_3$				
100	k = 13.107 exp(- 22452.55643/RT)	1101-1204	±15%	1	a,f
	CeF_3-KF				
0.0-100.0	k = 9.9064 exp(- 9248.04992/RT)	1140-1340	(165)	14	a,f
10.0-90.0	k = 14.145 exp(- 15331.6877/RT)	1110-1340		14	a,f
20.0-80.0	k = 14.422 exp(- 18147.56681/RT)	1040-1340		14	a,f
30.0-70.0	k = 17.081 exp(- 21591.47483/RT)	1030-1340		14	a,f
40.0-60.0	k = 19.188 exp(- 23560.49817/RT)	1170-1340		14	a,f
	CeF_3-LiF				
0.0-100.0	k = 20.471 exp(- 7768.14436/RT)	1150-1340	(166)	14	a,f
12.0-88.0	k = 21.401 exp(- 10807.45281/RT)	1120-1340		14	a,f
19.0-81.0	k = 21.602 exp(- 12555.55726/RT)	1090-1340		14	a,f
24.0-76.0	k = 22.894 exp(- 14100.73431/RT)	1190-1340		14	a,f
30.0-70.0	k = 21.459 exp(- 14004.08229/RT)	1230-1340		14	a,f
	CeF_3-NaF				
0.0-100.0	k = 21.451 exp(- 15165.16172/RT)	1310-1340	(167)	14	a,f
10.0-90.0	k = 13.114 exp(- 11643.8484/RT)	1250-1340		14	a,f
20.0-80.0	k = 18.911 exp(- 16922.05271/RT)	1120-1340		14	a,f
30.0-70.0	k = 23.007 exp(- 20367.21595/RT)	1100-1340		14	a,f
40.0-60.0	k = 26.107 exp(- 22392.72423/RT)	1140-1340		14	a,f
	CeI_3				
100	k = 7.746 exp(- 25334.54385/RT)	1069-1133	±18%	1	a,f
	$CoBr_2$-KNO_3				
.003-99.997	k = 8.37654 exp(- 13082.33167/RT)	670-690		3	a,f
.005-99.995	k = 8.35282 exp(- 13073.54512/RT)	670-690		3	a,f
.014-99.986	k = 8.1066 exp(- 12909.52958/RT)	670-690		3	a,f
.027-99.973	k = 7.88315 exp(- 12762.25031/RT)	670-690		3	a,f
For additional $CoBr_2$ systems, see : $AlBr_3$-					
	$CoCl_2$-KNO_3				
.003-99.997	k = 10.661 exp(- 14482.32149/RT)	670-700		3	a,f
.005-99.995	k = 10.6755 exp(- 14494.03689/RT)	670-700		3	a,f
.014-99.986	k = 8.02387 exp(- 12849.69738/RT)	670-700		3	
.027-99.973	k = 8.05469 exp(- 12885.26197/RT)	670-700		3	a,f
	CoS				
100	k = 6.2884 exp(64827.98058/RT)	1461-1497	±50%	1	a,f
	Co_4S_3				
100	k = 1416.7 exp(13949.68938/RT)	1470-1770		6	a,f
	Co_4S_3-Cu_2S				
0-100	k = 624.176 exp(- 23880.16112/RT)	1470-1770	(168)	6	a,f
5.08-94.92	k = 4685.38 exp(- 29137.44507/RT)	1470-1770		6	a,b,f
10.7-89.3	k = 17820.1 exp(- 38785.07368/RT)	1470-1770		6	a,b,f
17.1-82.9	k = 3685.73 exp(- 8483.20193/RT)	1470-1770		6	a,b,f
24.2-75.8	k = 5056.58 exp(- 6677.77572/RT)	1470-1770		6	a,f
32.4-67.6	k = 5037.57 exp(- 4018.25531/RT)	1470-1770		6	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Conductance (ohm^{-1} cm^{-1}) Equation (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
42-58	k = 6365.88 exp(- 3474.74461/RT)	1470-1770		6	a,f
52.9-47.1	(T=1470 K, k=5618)			6	a
65.8-34.2	(T=1470 K, k=6329.1)			6	a
81.1-18.9	k = 4964.2 exp(3008.84842/RT)	1470-1770		6	a,f
100-0	k = 1416.7 exp(13949.68938/RT)	1470-1770	(169)	6	a,f
	Co_4S_3-FeS				
100-0 FeS	k = 3729.92 - 8.29886 C + 0.23494 C^2 - 0.003817 C^3	1773	(170)	6	a,b,m
	Co_4S_3-Ni_3S_2				
100-0 Ni_3S_2	k = 3695.114 - 3.06292 C + 0.005324 C^2 + 4.1432 x 10^{-4} C^3	1773	(171)	6	a,b,m
	CrO_3				
100	k = - 0.18451 + 3.623 x 10^{-4} T	491-535	n.a.	1	a,f
	CsBr				
100	k = 11.185 exp(- 19903.62099/RT)	917-1131	±5%	1	a,f
	CsBr-CsCl				
0-100	k = 6.42 exp(- 13253.87854/RT)	943-1148	(172)	2	a,f
25-75	k = 5.6007 exp(- 12680.24254/RT)	963-1153		2	a,f
50-50	k = 5.2034 exp(- 12717.48077/RT)	973-1143		2	a,f
75-25	k = 4.845 exp(- 12723.33846/RT)	963-1128		2	a,f
100-0	k = 4.6348 exp(- 12886.09879/RT)	963-1133	(173)	2	a,f
	CsBr-CsF				
0-100	k = 9.0482 exp(- 10730.88433/RT)	990-1180	(174)	2	a,f
12-88	k = 6.8705 exp(- 9912.06183/RT)	970-1170		2	a,f
25-75	k = 6.4199 exp(- 10833.39404/RT)	980-1170		2	a,f
37-63	k = 5.347 exp(- 10679.42027/RT)	970-1170		2	a,f
50-50	k = 4.4288 exp(- 10082.77189/RT)	970-1170		2	a,f
63-37	k = 4.5829 exp(- 11234.22795/RT)	970-1190		2	a,f
75-25	k = 4.4158 exp(- 11621.67283/RT)	990-1170		2	a,f
88-12	k = 4.808 exp(- 13123.75396/RT)	950-1170		2	a,f
100-0	k = 4.6413 exp(- 12955.13594/RT)	930-1080	(175)	2	a,f
	CsBr-CsI				
0-100	k = 3.4639 exp(- 11990.70781/RT)	943-1148	(176)	2	a,f
25-75	k = 3.6433 exp(- 12158.07061/RT)	948-1103		2	a,f
50-50	k = 3.8676 exp(- 12277.73501/RT)	948-1118		2	a,f
75-25	k = 3.9907 exp(- 12078.57328/RT)	948-1118		2	a,f
100-0	k = 4.6348 exp(- 12886.09879/RT)	943-1133	(177)	2	a,f
	CsBr-KCl				
0-100	k = 5.769 exp(- 8600.35589/RT)	1048-1080	(178)	2	a,f
10-90	k = 5.782 exp(- 9426.70971/RT)	1048-1073		2	a,f
20-80	k = 5.82 exp(- 10081.09826/RT)	1048-1073		2	a,f
30-70	k = 5.902 exp(- 10845.10944/RT)	1048-1073		2	a,f
40-60	k = 7.856 exp(- 14030.44193/RT)	1048-1073		2	a,f
50-50	k = 8.23 exp(- 15068.92811/RT)	1048-1073		2	a,f
60-40	k = 6.385 exp(- 13411.61798/RT)	1048-1073		2	a,f
70-30	k = 6.635 exp(- 14337.97108/RT)	1048-1073		2	a,f
80-20	k = 4.905 exp(- 12267.27483/RT)	1048-1073		2	a,f
90-10	k = 5.032 exp(- 13013.71292/RT)	1048-1073		2	a,f
100-0	k = 3.513 exp(- 10441.34669/RT)	1048-1100	(179)	2	a,f
	CsBr-NaCl				
0-100	k = 8.991 exp(- 8290.3163/RT)	1073-1123	(180)	2	a,f
10-90	k = 11.214 exp(- 12065.60266/RT)	1073-1123		2	a,f
20-80	k = 12.122 exp(- 14374.79089/RT)	1073-1123		2	a,f
30-70	k = 7.347 exp(- 11343.85058/RT)	1073-1123		2	a,f
40-60	k = 6.136 exp(- 11451.79959/RT)	1073-1123		2	a,f
50-50	k = 4.799 exp(- 10083.6087/RT)	1073-1123		2	a,f
60-40	k = 3.094 exp(- 6886.14241/RT)	1073-1123		2	a,f
70-30	k = 6.835 exp(- 14738.80498/RT)	1073-1123		2	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
80-20	k = 6.034 exp(- 14260.98419/RT)	1073-1123		2	a,f
90-10	k = 4.358 exp(- 12043.00868/RT)	1073-1123		2	a,f
100-0	k = 3.637 exp(- 10832.97564/RT)	1073-1123	(181)	2	a,f
	$CsBr-ZnSO_4$				
21.5-78.5	k = 701.272 exp(- 65020.4478/RT)	780-820		3	a,f,o
24.0-76.0	k = 143.119 exp(- 53844.79683/RT)	780-820		3	a,f,o
27.0-73.0	k = 9.99347 exp(- 31820.68916/RT)	780-820		3	a,f,o
30.0-70.0	k = 140.041 exp(- 51346.90704/RT)	780-820		3	a,f,o
34.2-65.8	k = 35.5609 exp(- 40433.17885/RT)	780-820		3	a,f,o
40.0-60.0	k = 65.4729 exp(- 42397.18131/RT)	780-820		3	a,f,o
50.0-50.0	k = 11.5318 exp(- 27657.95792/RT)	780-820		3	a,f,o
60.0-40.0	k = 37.7242 exp(- 33862.93373/RT)	780-820		3	a,f,o
64-36	k = 10.4894 exp(- 24621.57832/RT)	780-820		3	a,f,o
For additional CsBr systems, see : AgBr-					
	CsCl				
100	k = 11.698 exp(- 17962.21251/RT)	926-1170	±5%	1	a,f
	CsCl-CsF				
0-100	k = 8.1712 exp(- 11813.30324/RT)	990-1180	(182)	2	a,f
12-88	k = 7.7439 exp(- 10497.41322/RT)	980-1170		2	a,f
25-75	k = 8.1712 exp(- 11813.30324/RT)	970-1170		2	a,f
37-63	k = 6.6454 exp(- 10783.60361/RT)	980-1180		2	a,f
50-50	k = 6.4696 exp(- 11314.9805/RT)	960-1170		2	a,f
63-37	k = 6.5337 exp(- 11972.71631/RT)	980-1150		2	a,f
75-25	k = 7.0962 exp(- 13138.81661/RT)	960-1240		2	a,f
88-12	k = 6.6585 exp(- 13129.61166/RT)	960-1170		2	a,f
100-0	k = 7.2733 exp(- 14182.74208/RT)	930-1070	(183)	2	a,f
	CsCl-CsI				
0-100	k = 3.4639 exp(- 11990.70781/RT)	943-1148	(184)	2	a,f
25-75	k = 4.0434 exp(- 12716.64395/RT)	933-1113		2	a,f
50-50	k = 4.4252 exp(- 12511.62452/RT)	948-1108		2	a,f
75-25	k = 5.306 exp(- 12914.96887/RT)	933-1103		2	a,f
100-0	k = 6.42 exp(- 13253.87854/RT)	943-1148	(185)	2	a,f
	$CsCl-GaCl_3$				
0-100	(T=373 K, k=0.01)		(186)	5	a
10-90	(T=373 K, k=0.03)			5	a
20-80	(T=373 K, k=0.04)			5	a
30-70	k = 2.905 exp(- 12789.44677/RT)	573-873		5	a,f
40-60	k = 3.176 exp(- 12846.76853/RT)	673-973		5	a,f
50-50	k = 3.183 exp(- 12758.48465/RT)	673-973		5	a,f
60-40	k = 2.59 exp(- 11873.55385/RT)	773-973		5	a,f
70-30	k = 3.32 exp(- 13318.73162/RT)	873-973		5	a,f
80-20	k = 2.941 exp(- 10735.90521/RT)	873-973		5	a,f
90-10	(T=973 K, k=1)			5	a
	CsCl-KBr				
0-100	k = 7.537 exp(- 12976.4747/RT)	1048-1100	(187)	2	a,f
10-90	k = 5.955 exp(- 11237.1568/RT)	1048-1073		2	a,f
20-80	k = 6.02 exp(- 11656.40061/RT)	1048-1073		2	a,f
30-70	k = 6.072 exp(- 11953.88799/RT)	1048-1073		2	a,f
40-60	k = 6.131 exp(- 12267.27483/RT)	1048-1073		2	a,f
50-50	k = 6.198 exp(- 12598.65318/RT)	1048-1073		2	a,f
60-40	k = 6.234 exp(- 12768.94483/RT)	1048-1073		2	a,f
70-30	k = 6.276 exp(- 12949.27824/RT)	1048-1073		2	a,f
80-20	k = 4.687 exp(- 10467.28792/RT)	1048-1073		2	a,f
90-10	k = 4.687 exp(- 10467.28792/RT)	1048-1073		2	a,f
100-0	k = 4.693 exp(- 10539.67233/RT)	1048-1100	(188)	2	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	CsCl-KCl				
0-100	k = 7.165 exp(- 10404.52687/RT)	1060-1190	(189)	5	a,f
25-75	k = 6.783 exp(- 11229.20707/RT)	1060-1160		5	a,f
50-50	k = 6.586 exp(- 12001.58639/RT)	1030-1150		5	a,f
75-25	k = 5.862 exp(- 11728.36662/RT)	1070-1150		5	a,f
100-0	k = 6.42 exp(- 13253.87854/RT)	950-1090	(190)	5	a,f
	$CsCl-LaCl_3$				
0-100	k = 12.715 exp(- 22001.9321/RT)	1140-1220	(191)	5	a,f
10.0-90.0	k = 17.521 exp(- 25435.79834/RT)	1080-1220		5	a,f
20.0-80.0	k = 17.963 exp(- 26631.18714/RT)	1080-1220		5	a,f
30.0-70.0	k = 14.464 exp(- 25462.15799/RT)	1180-1220		5	a,f
38.55-61.45	k = 11.093 exp(- 23588.53144/RT)	1080-1220		5	a,f
48.60-51.40	k = 7.674 exp(- 20621.189/RT)	1080-1220		5	a,f
58.65-41.35	k = 5.731 exp(- 18097.35797/RT)	1080-1220		5	a,f
69.24-30.76	k = 5.966 exp(- 18018.69746/RT)	1080-1220		5	a,f
79.52-20.48	k = 6.308 exp(- 16965.14863/RT)	1080-1220		5	a,f
89.70-10.30	k = 5.24 exp(- 13387.76878/RT)	1080-1220		5	a,f
100-0	k = 5.908 exp(- 12235.4759/RT)	1090-1240	(192)	5	a,f
	CsCl-LiCl				
0-100	k = 13.26 exp(- 6194.93404/RT)	890-1070	(193)	5	a,f
20-80	k = 13.548 exp(- 10986.1126/RT)	830-1010		5	a,f
42-58	k = 11.568 exp(- 13611.19812/RT)	610-1070		5	a,f
54-46	k = 21.3514 exp(- 20021.19336/RT)	650-1070		5	a,f
70-30	k = 12.052 exp(- 17443.80624/RT)	750-1070		5	a,f
80-20	k = 8.352 exp(- 14982.31786/RT)	830-1070		5	a,f
100-0	k = 7.804 exp(- 14873.11363/RT)	930-1070	(194)	5	a,f
	$CsCl-MnCl_2$				
0-100	k = 5.493 exp(- 10194.90496/RT)	931-1106	(195)	18	k
10-90	k = 9.338 exp(- 27429.5077/RT)	903-1082		18	k
20-80	k = 144 exp(- 55857.3345/RT)	858-1102		18	k
30-70	k = 5.008 exp(- 12832.54269/RT)	851-1089		18	k
40-60	k = 3.609 exp(- 11280.25272/RT)	900-1110		18	k
50-50	k = 3.593 exp(- 12235.89431/RT)	913-1095		18	k
60-40	k = 14.581 exp(- 15653.86109/RT)	852-1096		18	k
75-25	k = 5.978 exp(- 15843.81787/RT)	834-1051		18	k
80-20	k = 5.988 exp(- 15319.13549/RT)	853-1100		18	k
90-10	k = 5.787 exp(- 13643.41546/RT)	934-1096		18	k
100-0	k = 6.627 exp(- 13505.75955/RT)	953-1103	(196)	18	k
	CsCl-NaBr				
0-100	k = 7.241 exp(- 7860.61231/RT)	1073-1123	(197)	2	a,f
10-90	k = 9.307 exp(- 11907.02641/RT)	1073-1123		2	a,f
20-80	k = 5.382 exp(- 8567.72014/RT)	1073-1123		2	a,f
30-70	k = 4.26 exp(- 7441.3685/RT)	1073-1123		2	a,f
40-60	k = 6.208 exp(- 11929.62038/RT)	1073-1123		2	a,f
50-50	k = 4.18 exp(- 8850.56327/RT)	1073-1123		2	a,f
60-40	k = 4.814 exp(- 10343.85785/RT)	1073-1123		2	a,f
70-30	k = 7.462 exp(- 14554.7059/RT)	1073-1123		2	a,f
80-20	k = 10.093 exp(- 17433.76447/RT)	1073-1123		2	a,f
90-10	k = 10.155 exp(- 17551.33684/RT)	1073-1123		2	a,f
100-0	k = 10.219 exp(- 17669.74602/RT)	1073-1123	(198)	2	a,f
	CsCl-NaCl				
0-100	k = 7.689 exp(- 6808.73711/RT)	1090-1170	(199)	5	a,f
25-75	k = 6.549 exp(- 9530.47465/RT)	1050-1140		5	a,f
50-50	k = 6.31 exp(- 11056.82338/RT)	1050-1150		5	a,f
75-25	k = 5.869 exp(- 11702.42538/RT)	1050-1150		5	a,f
100-0	k = 6.42 exp(- 13253.87854/RT)	950-1090	(200)	5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
		$CsCl-PbCl_2$				
0.0-100.0	k = 12.297 exp(- 13480.65513/RT)		830-1070	(201)	5	a,f
17.2-82.8	k = 10.84 exp(- 14080.23236/RT)		730-1070		5	a,f
38.5-61.5	k = 8.038 exp(- 13609.10608/RT)		880-1070		5	a,f
55.7-44.3	k = 16.712 exp(- 21565.11519/RT)		880-1070		5	a,f
66.6-33.4	k = 23.596 exp(- 25511.94842/RT)		780-1070		5	a,f
73.6-26.4	k = 16.652 exp(- 22770.54575/RT)		780-1070		5	a,f
		CsCl-RbCl				
0-100	k = 6.246 exp(- 11673.5553/RT)		1020-1190	(202)	5	a,f
25-75	k = 5.996 exp(- 11774.39139/RT)		1050-1160		5	a,f
50-50	k = 5.772 exp(- 11832.54996/RT)		1030-1160		5	a,f
75-25	k = 5.462 exp(- 11631.29619/RT)		1060-1150		5	a,f
100-0	k = 6.42 exp(- 13253.87854/RT)		950-1090	(203)	5	a,f
		$CsCl-ScCl_3$				
30-70	k = 4.827 exp(- 21443.77716/RT)		1113-1233		5	a,f
40-60	k = 4.635 exp(- 19651.32157/RT)		893-1233		5	a,f
50-50	k = 3.846 exp(- 17364.30891/RT)		933-1233		5	a,f
60-40	k = 5.02 exp(- 19506.13434/RT)		1013-1233		5	a,f
70-30	k = 6.419 exp(- 20311.56782/RT)		1073-1213		5	a,f
80-20	k = 5.529 exp(- 16960.12775/RT)		1073-1233		5	a,f
90-10	k = 5.712 exp(- 14812.44461/RT)		993-1233		5	a,f
100-0	k = 5.281 exp(- 11711.21193/RT)		933-1233	(204)	5	a,f
		$CsCl-SrCl_2$				
0-100	k = 17.396 exp(- 20874.32523/RT)		1173-1273	(205)	19	k
10-90	k = 13.533 exp(- 19975.16859/RT)		1123-1273		19	k
20-80	k = 9.41 exp(- 17829.9959/RT)		1073-1273		19	k
30-70	k = 10.001 exp(- 19683.53891/RT)		1073-1273		19	k
40-60	k = 8.376 exp(- 18883.12632/RT)		1123-1273		19	k
50-50	k = 7.269 exp(- 18052.58842/RT)		1123-1273		19	k
60-40	k = 7.749 exp(- 18831.66226/RT)		1073-1273		19	k
70-30	k = 7.878 exp(- 18645.88955/RT)		1073-1273		19	k
80-20	k = 6.771 exp(- 16330.42521/RT)		1023-1273		19	k
90-10	k = 6.269 exp(- 14442.15442/RT)		973-1273		19	k
100-0	k = 5.259 exp(- 11469.37268/RT)		973-1273	(206)	19	k
		$CsCl-TiCl_3$				
0-50 $TiCl_3$	k = 1.457 - 0.05503 C + 0.0023764 C^2 - 5.6712 x 10^{-5} C^3 + 5.0044 x 10^{-7} C^4		1073	(207)	5	a,n
		$CsCl-UCl_4$				
0.00-100.00	k = 5.216 exp(- 18104.05248/RT)		880-1000	(208)	5	a,f
7.42-92.58	k = 5.882 exp(- 19095.25867/RT)		850-930		5	a,f
16.65-83.35	k = 4.459 exp(- 17179.37301/RT)		830-950		5	a,f
20.71-79.29	k = 3.997 exp(- 16473.5204/RT)		860-930		5	a,f
22.80-77.20	k = 4.431 exp(- 17156.77904/RT)		820-930		5	a,f
30.83-69.17	k = 4.236 exp(- 17368.07457/RT)		760-940		5	a,f
34.48-65.52	k = 5.835 exp(- 19858.01463/RT)		690-940		5	a,f
35.92-64.08	k = 6.648 exp(- 20968.88521/RT)		670-950		5	a,f
37.56-62.44	k = 5.719 exp(- 19940.85921/RT)		670-950		5	a,f
41.14-58.86	k = 2.94 exp(- 15141.73092/RT)		840-960		5	b,f
43.75-56.25	k = 3.543 exp(- 16626.65737/RT)		790-940		5	a,f
50.96-49.04	k = 4.263 exp(- 18360.11757/RT)		760-960		5	a,f
56.11-43.89	k = 3.57 exp(- 17003.22367/RT)		820-960		5	a,f
61.14-38.86	k = 3.483 exp(- 16508.66659/RT)		880-970		5	a,f
66.35-33.65	k = 3.204 exp(- 15270.60028/RT)		960-990		5	a,f
66.96-33.04	k = 4.399 exp(- 17783.97113/RT)		960-990		5	a,f
68.87-31.13	k = 3.487 exp(- 15678.5471/RT)		940-960		5	a,f
69.57-30.43	k = 3.406 exp(- 15289.42859/RT)		930-970		5	a,f
73.00-27.00	k = 4.365 exp(- 16745.90336/RT)		880-960		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
75.94-24.06	k = 5.229 exp(- 17640.45753/RT)	840-960		5	a,f
78.72-21.28	k = 5.614 exp(- 17835.43519/RT)	820-940		5	a,f
80.55-19.45	k = 6.252 exp(- 18176.8553/RT)	810-940		5	a,f
86.17-13.83	k = 6.666 exp(- 17374.35068/RT)	850-950		5	a,f
92.65-7.35	k = 7.123 exp(- 16215.36329/RT)	900-930		5	a,f
96.74-3.26	k = 7.572 exp(- 15551.35138/RT)	920-950		5	a,f
98.98-1.02	k = 10.007 exp(- 17139.20594/RT)	920-940		5	a,f
100.00-0.00	k = 9.127 exp(- 16175.19621/RT)	930-1050	(209)	5	a,f
	$CsCl-ZnCl_2$				
0.00-100.00	k = - 0.97574 + 0.0055534 T - 1.04507 x 10^{-5} T^2 + 6.5176 x 10^{-9} T^3	610-850	(210)	5	a
2.83-97.17	k = 0.3473 - 4.23 x 10^{-4} T - 1.7232 x 10^{-6} T^2 + 2.4876 x 10^{-9} T^3	590-870		5	a
6.16-93.84	k = 0.67834 - 0.0022889 T + 1.4825 x 10^{-6} T^2 + 8.552 x 10^{-10} T^3	590-870		5	a
15.10-84.90	k = 50.1397 exp(- 32557.9223/RT)	570-870		5	a,f
20.30-79.70	k = 33.251 exp(- 28753.76585/RT)	550-870		5	a,f
32.06-67.94	k = 19.3607 exp(- 24310.28351/RT)	550-870		5	a,f
41.92-58.08	k = 0.67241 - 0.0045267 T + 8.3585 x 10^{-6} T^2 - 3.7187 x 10^{-9} T^3	530-870		5	a
For additional CsCl systems, see : $BaCl_2$- ; $CaCl_2$- ; $CdCl_2$- ; CsBr-					
	$CsClO_4-LiClO_4$				
5-95	k = 15.0358 exp(- 13649.69156/RT)	543-633		6	a,f
15-85	k = 11.3967 exp(- 13550.5291/RT)	543-643		6	a,f
25-75	k = 11.9848 exp(- 15127.92349/RT)	533-633		6	a,f
	$CsC_2H_3O_2$				
100	k = 10.355 exp(- 18807.81306/RT)	550-620		6	a,f
	$CsC_2H_3O_2-NaC_2H_3O_2$				
0-100	k = 12.897 exp(- 21229.55277/RT)	600-630	(211)	6	a,f
25-75	k = 16.306 exp(- 22404.02122/RT)	560-630		6	a,f
50-50	k = 12.613 exp(- 20947.54646/RT)	560-620		6	a,f
80-20	k = 9.1974 exp(- 18739.19431/RT)	570-620		6	a,f
100-0	k = 10.355 exp(- 18807.81306/RT)	550-620	(212)	6	a,f
	CsF				
100	k = 12.89 exp(- 13577.30715/RT)	1010-1125	±5%	1	a,f
	CsF-CsI				
0-100	k = 3.762 exp(- 12914.96887/RT)	930-1070	(213)	2	a,f
12-88	k = 4.07 exp(- 13299.4849/RT)	950-1120		2	a,f
25-75	k = 3.7894 exp(- 12207.44263/RT)	950-1120		2	a,f
37-63	k = 4.1732 exp(- 12270.62209/RT)	960-1170		2	a,f
50-50	k = 4.1048 exp(- 11248.45379/RT)	980-1170		2	a,f
63-37	k = 4.6164 exp(- 11093.6432/RT)	960-1170		2	a,f
75-25	k = 5.4826 exp(- 11184.43752/RT)	960-1170		2	a,f
88-12	k = 6.1786 exp(- 10544.69321/RT)	990-1180		2	a,f
100-0	k = 9.0482 exp(- 10730.88433/RT)	990-1180	(214)	2	a,f
For additional CsF systems, see : CsCl-					
	CsI				
100	k = 8.616 exp(- 19196.51316/RT)	932-1137	±5%	1	a,f
	$CsI-DyI_3$				
0-100	k = 7.972 exp(- 31365.04394/RT)	1258-1325	(215)	4	a,f
10-90	k = 6.184 exp(- 28333.68523/RT)	1258-1325		4	a,f
20-80	k = 5.962 exp(- 27700.21703/RT)	1258-1325		4	a,f
30-70	k = 3.425 exp(- 21273.0671/RT)	1258-1325		4	a,f
40-60	k = 2.335 exp(- 17003.22367/RT)	1258-1325		4	a,f
50-50	k = 4.768 exp(- 24028.6956/RT)	1258-1325		4	a,f
60-40	k = 2.939 exp(- 17565.56267/RT)	1258-1325		4	a,f
70-30	k = 3.75 exp(- 18838.35677/RT)	1258-1325		4	a,f
80-20	k = 4.411 exp(- 18809.06828/RT)	1258-1325		4	a,f
90-10	k = 2.611 exp(- 11132.13664/RT)	1258-1325		4	a,f
100-0	k = 5.213 exp(- 16560.54906/RT)	1258-1325	(216)	4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$CsI-GdI_3$				
0-100	k = 3.595 exp(- 21498.17007/RT)	1243-1322	(217)	4	a,f
10-90	k = 3.595 exp(- 21498.17007/RT)	1243-1322		4	a,f
20-80	k = 5.288 exp(- 25403.1626/RT)	1243-1322		4	a,f
30-70	k = 3.671 exp(- 21429.55132/RT)	1243-1322		4	a,f
40-60	k = 3.453 exp(- 20633.74121/RT)	1243-1322		4	a,f
50-50	k = 3.333 exp(- 19837.51268/RT)	1243-1322		4	a,f
60-40	k = 1.767 exp(- 12264.34598/RT)	1243-1322		4	a,f
70-30	k = 3.764 exp(- 18803.62899/RT)	1243-1322		4	a,f
80-20	k = 3.381 exp(- 15841.72583/RT)	1243-1322		4	a,f
90-10	k = 3.616 exp(- 14421.23407/RT)	1243-1322		4	a,f
100-0	k = 5.213 exp(- 16560.54906/RT)	1243-1322	(218)	4	a,f
	$CsI-LaI_3$				
0-100	k = 10.544 exp(- 27770.5094/RT)	1095-1198	(219)	4	a,f
10-90	k = 8.753 exp(- 26103.99432/RT)	1095-1198		4	a,f
20-80	k = 6.045 exp(- 22737.91001/RT)	1095-1198		4	a,f
30-70	k = 4.125 exp(- 19262.20306/RT)	1095-1198		4	a,f
40-60	k = 2.884 exp(- 16323.7307/RT)	1095-1198		4	a,f
50-50	k = 2.925 exp(- 16644.64887/RT)	1095-1198		4	a,f
60-40	k = 4.291 exp(- 19994.41531/RT)	1095-1198		4	a,f
70-30	k = 4.823 exp(- 20301.10764/RT)	1095-1198		4	a,f
80-20	k = 12.498 exp(- 27718.62694/RT)	1095-1198		4	a,f
90-10	k = 3.723 exp(- 14690.26977/RT)	1095-1198		4	a,f
100-0	k = 5.213 exp(- 16560.54906/RT)	1095-1198	(220)	4	a,f
	CsI-LiI				
0-100	k = 10.028 exp(- 5864.39251/RT)	770-910	(221)	4	a,f
5.4-94.6	k = 7.145 exp(- 6239.28518/RT)	870-1050		4	a,f
22.0-78.0	k = 9.932 exp(- 12307.86031/RT)	880-1070		4	a,f
46.8-53.2	k = 16.887 exp(- 20481.85946/RT)	870-1030		4	a,f
71.6-28.4	k = 15.978 exp(- 22073.06129/RT)	860-990		4	a,f
75.7-24.3	k = 3.955 exp(- 11515.81586/RT)	880-1070		4	a,f
100-0	k = 3.4639 exp(- 11990.70781/RT)	960-1130	(222)	4	a,f
	$CsI-NdI_3$				
0-100	k = 9.437 exp(- 28271.34258/RT)	1092-1187	(223)	4	a,f
10-90	k = 7.463 exp(- 25873.87047/RT)	1092-1187		4	a,f
20-80	k = 4.479 exp(- 21092.73368/RT)	1092-1187		4	a,f
30-70	k = 3.628 exp(- 19359.69189/RT)	1092-1187		4	a,f
40-60	k = 3.665 exp(- 19730.8189/RT)	1092-1187		4	a,f
50-50	k = 3.665 exp(- 19730.8189/RT)	1092-1187		4	a,f
60-40	k = 4.654 exp(- 21588.54598/RT)	1092-1187		4	a,f
70-30	k = 4.01 exp(- 19110.32132/RT)	1092-1187		4	a,f
80-20	k = 6.21 exp(- 21679.3403/RT)	1092-1187		4	a,f
90-10	k = 4.24 exp(- 16115.78242/RT)	1092-1187		4	a,f
100-0	k = 5.213 exp(- 16560.54906/RT)	1092-1187	(224)	4	a,f
For additional CsI systems, see : CsBr- ; CsCl- ; CsF-					
	$CsNO_2$				
100	k = 6.905 exp(- 12866.43366/RT)	688-739	±5%	1	a,f
	$CsNO_2-CsNO_3$				
0-100	k = 7.778 exp(- 15451.77051/RT)	695-730	(225)	7	a,f
10-90	k = 7.374 exp(- 14669.34942/RT)	695-730		7	a,f
20-80	k = 6.937 exp(- 14091.94776/RT)	675-730		7	a,f
30-70	k = 7.215 exp(- 14174.37394/RT)	675-730		7	a,f
40-60	k = 7.921 exp(- 14537.96962/RT)	675-730		7	a,f
50-50	k = 7.488 exp(- 14079.39555/RT)	675-730		7	a,f
60-40	k = 7.386 exp(- 13857.63984/RT)	675-730		7	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
70-30	k = 6.872 exp(- 13284.42225/RT)	675-730		7	a,f
80-20	k = 7.473 exp(- 13651.7836/RT)	675-730		7	a,f
90-10	k = 7.26 exp(- 13301.15853/RT)	675-730		7	a,f
100-0	k = 7.359 exp(- 13280.23818/RT)	675-730	(226)	7	a,f
	$CsNO_2$-$LiNO_2$				
10-90	k = 21.361 exp(- 15468.50679/RT)	473-553		7	a,f
20-80	k = 19.907 exp(- 16124.56897/RT)	473-593		7	a,f
30-70	k = 27.579 exp(- 18314.92961/RT)	433-593		7	a,f
40-60	k = - 1.028435 + 0.00274025 T	393-633		7	a,f
45-55	k = - 0.128 - 8.312 x 10^{-4} T + 3.37 x 10^{-6} T^2	393-633		7	a,n
50-50	k = - 0.3702 + 1.618 x 10^{-4} T + 2.325 x 10^{-6} T^2	393-673		7	a,n
55-45	k = - 0.265 - 2.825 x 10^{-4} T + 2.723 x 10^{-6} T^2	393-673		7	a,n
60-40	k = - 0.3828 + 1.647 x 10^{-4} T + 2.269 x 10^{-6} T^2	393-673		7	a,n
70-30	k = 16.427 exp(- 17338.78608/RT)	513-713		7	a,f
80-20	k = 11.227 exp(- 15429.17653/RT)	593-713		7	a,f
90-10	k = 8.2 exp(- 13737.55703/RT)	673-713		7	a,f
	$CsNO_2$-$LiNO_3$				
10-90	k = 10.925 exp(- 12545.09708/RT)	553-633		7	a,f
20-80	k = 8.157 - 0.05106 T + 1.031 x 10^{-4} T^2 - 6.427 x 10^{-8} T^3	433-673		7	a,n
30-70	k = 19.1877 exp(- 17108.24382/RT)	433-673		7	a,f
40-60	k = 15.4016 exp(- 16535.86305/RT)	433-673		7	a,f
50-50	k = - 2.443674 + 0.01241919 T - 2.1413565 x 10^{-5} T^2 + 1.5070768 x 10^{-8} T^3	393-713		7	a,n
60-40	k = 10.708 exp(- 15376.45725/RT)	473-713		7	a,f
70-30	k = 11.399 exp(- 15906.99733/RT)	553-713		7	a,f
80-20	k = 10.227 exp(- 15421.2268/RT)	593-713		7	a,f
90-10	k = 8.117 exp(- 14020.81857/RT)	637-713		7	a,f
For additional $CsNO_2$ systems, see : $Ba(NO_2)_2$- ; $Ba(NO_3)_2$- ; $Ca(NO_2)_2$-					
	$CsNO_3$				
100	k = 5.804 exp(- 13602.41157/RT)	688-764	±1%	1	a,f
	$CsNO_3$-KNO_3				
0-100	k = 10.874 exp(- 14543.82732/RT)	620-730	(227)	7	a,f
25-75	k = 12.28 exp(- 16040.05075/RT)	590-670		7	a,f
50-50	k = 11.228 exp(- 16202.81108/RT)	580-680		7	a,f
75-25	k = 7.4854 exp(- 14630.85598/RT)	640-680		7	a,f
100-0	k = 5.8807 exp(- 13707.01332/RT)	700-740	(228)	7	a,f
	$CsNO_3$-$LiNO_2$				
10-90	k = 9.432 exp(- 11652.63495/RT)	505-520		7	a,f
20-80	k = 23.712 exp(- 16945.4835/RT)	460-565		7	a,f
30-70	k = 39.3794 exp(- 20172.69853/RT)	430-565		7	a,f
40-60	k = 23.393 exp(- 18705.72175/RT)	415-610		7	a,f
50-50	k = 21.112 exp(- 18624.9692/RT)	415-640		7	a,f
60-40	k = 10.665 exp(- 15554.28023/RT)	505-685		7	a,f
70-30	k = 9.626 exp(- 15274.36594/RT)	580-685		7	a,f
80-20	k = 11.536 exp(- 16625.40215/RT)	625-730		7	a,f
90-10	k = 13.409 exp(- 18267.64962/RT)	700-730		7	a,f
	$CsNO_3$-$LiNO_3$				
0-100	k = 16.295 exp(- 13002.83434/RT)	580-690	(229)	7	a,f
25-75	k = 11.8 exp(- 13819.98321/RT)	570-650		7	a,f
50-50	k = 14.135 exp(- 16598.20569/RT)	530-640		7	a,f
75-25	k = 7.7237 exp(- 14660.98128/RT)	570-660		7	a,f
100-0	k = 5.8807 exp(- 13707.01332/RT)	700-740	(230)	7	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) ($R = 8.31441$ J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$CsNO_3$-$NaNO_3$				
0-100	$k = 11.089 \exp(-11673.5553/RT)$	610-690	(231)	7	a,f
25-75	$k = 10.699 \exp(-13598.2275/RT)$	600-680		7	a,f
50-50	$k = 10.98 \exp(-15219.55463/RT)$	570-670		7	a,f
75-25	$k = 8.1743 \exp(-14711.19012/RT)$	610-680		7	a,f
100-0	$k = 5.8807 \exp(-13707.01332/RT)$	700-740	(232)	7	a,f
	$CsNO_3$-$RbNO_3$				
0-100	$k = 8.9221 \exp(-15112.86084/RT)$	590-720	(233)	7	a,f
50-50	$k = 6.8516 \exp(-14112.86811/RT)$	630-710		7	a,f
100-0	$k = 5.8807 \exp(-13707.01332/RT)$	700-740	(234)	7	a,f
	$CsNO_3$-$Sr(NO_3)_2$				
65.5-34.5	$k = 12.204 \exp(-20213.24217/RT)$	610-720		7	a,f
80-20	$k = 12.883 \exp(-19773.91482/RT)$	580-690		7	a,f
90-10	$k = 7.0326 \exp(-15537.54395/RT)$	660-720		7	a,f
100-0	$k = 5.8807 \exp(-13707.01332/RT)$	700-740	(235)	7	a,f
	$CsNO_3$-$TlNO_3$				
0-100	$k = 7.7788 \exp(-12305.34987/RT)$	500-600	(236)	7	a,f
50-50	$k = 7.6472 \exp(-13681.9089/RT)$	570-620		7	a,f
100-0	$k = 5.8807 \exp(-13707.01332/RT)$	692-741	(237)	7	a,f
For additional $CsNO_3$ systems, see : $AgNO_3$- ; $Ba(NO_2)_2$- ; $Ba(NO_3)_2$- ; $Cd(NO_3)_2$- ; $CsNO_2$-					
	$CsPO_3$				
100	$k = 10.8955 \exp(-30079.69764/RT)$	1020-1200	n.a.	6	a,f
	Cs_2SO_4				
100	$k = 4.7018 \exp(-15420.80839/RT)$	1295-1355	±3%	1	a,f
	Cs_2SO_4-K_2SO_4				
50-50	$k = 6.5417 \exp(-17246.73654/RT)$	1220-1270		6	a,f
100-0	$k = 4.628 \exp(-15246.75108/RT)$	1295-1340	(238)	6	a,f
	Cs_2SO_4-Li_2SO_4				
0-100	$k = 18.9289 \exp(-14258.05534/RT)$	1140-1200	(239)	6	a,f
2-98	$k = 20.019 \exp(-15819.96867/RT)$	1100-1170		6	a,f
4.89-95.11	$k = 18.67 \exp(-16363.89777/RT)$	1040-1130		6	a,f
50-50	$k = 12.432 \exp(-24811.5351/RT)$	1040-1270		6	a,f
100-0	$k = 4.628 \exp(-15246.75108/RT)$	1295-1330	(240)	6	a,b,f
	Cs_2SO_4-Na_2SO_4				
0-100	$k = 11.8933 \exp(-15982.72899/RT)$	1340-1390	(241)	6	a,f
50-50	$k = 12.527 \exp(-24171.37239/RT)$	960-1140		6	a,f
100-0	$k = 4.628 \exp(-15246.75108/RT)$	1290-1330	(242)	6	a,b,f
	Cs_2SO_4-Rb_2SO_4				
0-100	$k = 6.1856 \exp(-16543.81278/RT)$	1340-1390	(243)	6	a,b,f
50-50	$k = 4.8256 \exp(-15527.08377/RT)$	1330-1420		6	a,b,f
100-0	$k = 4.628 \exp(-15246.75108/RT)$	1295-1330	(244)	6	a,b,f
	Cs_2SO_4-Tl_2SO_4				
50-50	$k = 5.9294 \exp(-15945.49077/RT)$	1070-1210		6	a,f
	CuBr				
100	$k = 6.342 \exp(-5924.64312/RT)$	764-823	±8%	1	a,f
	CuBr-$HgBr_2$				
0.16-1.10 CuBr	$k = 1.948 \times 10^{-4} - 1.769 \times 10^{-5}\,C$	515	(245)	4	a,f
	CuCl				
100	$k = 4.19463 \exp(-735.89423/RT)$	746-1430	±5%	1	a,f
	CuCl-Cu_2S				
34.8-65.2	$k = 558.584 \exp(-42045.71943/RT)$	1170-1250		3	a,f
49.4-50.6	$k = 37.8537 \exp(-19410.31914/RT)$	1170-1250		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
64.0-36.0	k = 22.4756 exp(- 14917.88318/RT)	1090-1250		3	a,f
69.6-30.4	k = 8.98952 exp(- 6949.32186/RT)	1070-1250		3	a,f
73.3-26.7	k = 9.16393 exp(- 7191.16111/RT)	1070-1250		3	a,f
74.0-26.0	k = 8.16229 exp(- 6256.02146/RT)	970-1250		3	a,f
80.8-19.2	k = 7.49294 exp(- 5651.84176/RT)	890-1170		3	a,f
83.8-16.2	k = 6.03957 exp(- 4027.87867/RT)	770-1070		3	a,f
87.5-12.5	k = 5.48952 exp(- 3328.09296/RT)	770-970		3	a,f
90.7-9.3	k = 4.3691 exp(- 1747.8534/RT)	770-970		3	a,f
92.3-7.7	k = 7.24154 exp(- 5467.32427/RT)	770-1070		3	a,f
96.5-3.5	k = 4.91558 exp(- 2295.71553/RT)	770-1170		3	a,f
100.0-0.0	k = 4.801 exp(- 1819.65204/RT)	770-1250	(246)	3	a,f
	CuCl-KCl				
20.6-79.4	k = 12.101 exp(- 12289.4504/RT)	860-900		5	a,f
28.9-71.1	k = 8.736 exp(- 9684.86683/RT)	770-900		5	a,f
35.1-64.9	k = 4.897 exp(- 5469.4163/RT)	700-900		5	a,f
40.5-59.5	k = 4.422 exp(- 4500.8041/RT)	700-900		5	a,f
50.3-49.7	k = 6.885 exp(- 7009.57247/RT)	700-900		5	a,f
59.2-40.8	k = 6.113 exp(- 5525.48284/RT)	700-900		5	a,f
70.4-29.6	k = 5.602 exp(- 4369.84271/RT)	700-900		5	a,f
82.1-17.9	k = 5.816 exp(- 4049.34295/RT)	700-900		5	a,f
100.0-0.0	k = 5.851 exp(- 3391.18874/RT)	700-900	(247)	5	a,f
	CuF_2				
100	k = 4.03099 exp(- 6397.02462/RT)	1270-1370	±20%	1	a,f
	CuI				
For CuI systems, see : AlI_3-					
	CuSCN-$N(C_3H_7)_4SCN$				
0-100	k = 2554.1 exp(- 42920.19006/RT)	330-370	(248)	6	a,f
7-93	k = 4792.9 exp(- 45518.49753/RT)	330-370		6	a,f
18.1-81.9	k = 73614 exp(- 54953.57538/RT)	330-370		6	a,f
25.4-74.6	k = 1.94440 x 10^5 exp(- 59242.24713/RT)	330-370		6	a,f
30.7-69.3	k = 8.92020 x 10^5 exp(- 64443.04614/RT)	330-370		6	a,f
37.9-62.1	k = 3.333600 x 10^6 exp(- 68551.80288/RT)	330-370		6	a,f
43.9-56.1	k = 4.048900 x 10^6 exp(- 68794.47894/RT)	330-370		6	a,f
50-50	k = 7.65922 x 10^5 exp(- 64309.99271/RT)	330-370		6	a,f
51.7-48.3	k = 7.707800 x 10^6 exp(- 71589.4377/RT)	350-370		6	a,f
	Cu_2S				
100	k = 1.30540 x 10^5 exp(- 92286.35836/RT)	1402-1523	±15%	1	a,f,v6
	Cu_2S-FeS				
0-100	k = 1157.5 exp(3594.11613/RT)	1470-1770	(249)	6	a,f
15.6-84.4	k = 1102.1 exp(- 2055.63359/RT)	1370-1770		6	a,f
22.9-77.1	k = 877.35 exp(- 913.92641/RT)	1370-1770		6	a,b,f
35.9-64.1	k = 1356.1 exp(- 12355.1403/RT)	1270-1610		6	a,f
50.6-49.4	k = 3071.8 exp(- 25348.35128/RT)	1330-1670		6	a,f
62.4-37.6	k = 5861.7 exp(- 36139.90463/RT)	1330-1670		6	a,f
100-0	k = 20232 exp(- 68873.97627/RT)	1370-1770	(250)	6	a,f
	Cu_2S-Ni_3S_2				
0.0-100.0	k = 3.909955 x 10^5 - 458.8387 T + 0.1358 T^2	1470-1770	(251)	6	a,b,l,m
17.5-82.5	(T=1470 K, k=10000)			6	a
27.5-72.5	(T=1470 K, k=9090.9)			6	a
39.4-60.6	(T=1470 K, k=7692.3)			6	a
50.0-50.0	k = 8934.44 exp(- 4658.96195/RT)	1470-1770		6	a,f
60.2-39.8	k = 3979.94 exp(- 3358.2601/RT)	1470-1770		6	a,f
69.3-30.7	k = 1.78968 x 10^5 - 227.9502 T + 0.0731133 T^2	1470-1770		6	a
77.9-22.1	k = 1930.14 exp(- 7861.86753/RT)	1470-1770		6	a,f
85.8-14.2	k = 1474.53 exp(- 8483.20193/RT)	1470-1770		6	a,f
93.15-6.85	k = 1201.98 exp(- 15335.45336/RT)	1470-1770		6	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
100-0	k = 624.176 exp(- 23880.16112/RT)	1470-1770	(252)	6	a,f
For additional Cu_2S systems, see : Co_4S_3- ; CuCl-					
	$C_9H_{13}NCl$				
For $C_9H_{13}NCl$ systems, see : $AlCl_3$-$SbCl_3$-					
	$DyCl_3$				
100	k = 8.9484 exp(- 24794.79882/RT)	960-1260	±2%	5	a,c,f
	$DyCl_3$-KCl				
0-90 KCl	$k = 45.65 + 0.6143 C - 0.01088 C^2 - 4.53 \times 10^{-6} C^3 + 1.175 \times 10^{-5} C^4$	1073	(253)	5	a,n,t
	$DyCl_3$-NaCl				
0-100 NaCl	$k = 46.14 + 0.5906 C + 0.007751 C^2 - 2.2945 \times 10^{-4} C^3 + 1.8208 \times 10^{-6} C^4$	1073	(254)	5	a,n,t
	DyI_3				
100	k = 7.972 exp(- 31365.04394/RT)	1248-1330	±5%	4	a,f
	DyI_3-KI				
0-100	k = 6.291 exp(- 12717.48077/RT)	1248-1330	(255)	4	a,f
10-90	k = 6.432 exp(- 15310.76735/RT)	1248-1330		4	a,f
20-80	k = 8.045 exp(- 19750.06562/RT)	1248-1330		4	a,f
30-70	k = 7.418 exp(- 20641.27253/RT)	1248-1330		4	a,f
40-60	k = 5.227 exp(- 18560.53452/RT)	1248-1330		4	a,f
50-50	k = 4.772 exp(- 19027.89514/RT)	1248-1330		4	a,f
60-40	k = 6.756 exp(- 24074.72037/RT)	1248-1330		4	a,f
70-30	k = 7.991 exp(- 27148.7566/RT)	1248-1330		4	a,f
80-20	k = 5.39 exp(- 24234.13344/RT)	1248-1330		4	a,f
90-10	k = 11.402 exp(- 33563.77273/RT)	1248-1330		4	a,f
100-0	k = 7.972 exp(- 31365.04394/RT)	1248-1330	(256)	4	a,f
For additional DyI_3 systems, see : CsI-					
	$ErCl_3$				
100	k = 18.85 exp(- 33003.10735/RT)	1074-1112	±5%	1	a,f
	$ErCl_3$-KCl				
0-90 KCl	$k = 36.86 + 0.6367 C - 4.94 \times 10^{-4} C^2 - 2.0787 \times 10^{-4} C^3 + 2.3145 \times 10^{-6} C^4$	1073	(257)	5	a,n,t
	$FeBr_3$				
For $FeBr_3$ systems, see : $AlBr_3$-					
	$FeCl_2$				
100	k = 6.205 exp(- 5715.43962/RT)	1000-1180	±1.5%	3	a,f
	$FeCl_2$-FeS				
84.47-15.53	k = 16.0373 exp(- 18825.80456/RT)	1000-1180		3	a,f
85.59-14.41	k = 17.3999 exp(- 20316.5887/RT)	1000-1180		3	a,f
90.74-9.26	k = 5.69877 exp(- 11481.08808/RT)	1000-1180		3	a,f
95.14-4.86	k = 5.96135 exp(- 12004.93364/RT)	1000-1180		3	a,f
100.0-0.0	k = 6.205 exp(- 5715.43962/RT)	1000-1180	(258)	3	a,f
	$FeCl_3$-LiCl-NaCl				
56-22-22	k = 4.631 exp(- 9505.78863/RT)	500-596		8	k
	$FeCl_3$-NaCl				
49.0-51.0	k = 3.740505 exp(- 7310.82551/RT)	543-723		20	k
50.0-50.0	(T=629 K, k=0.902)			20	k
50.0-50.0	k = 5.50388 exp(- 9266.50167/RT)	449-599		20	k
52-48	k = 5.243 exp(- 9392.81874/RT)	456-621		8	k
54-46	k = 4.613 exp(- 9027.96784/RT)	510-616		8	k
56-44	k = 4.096 exp(- 8978.59581/RT)	505-624		8	k
57.9-42.1	(T=683 K, k=0.815)			20	k
57.9-42.1	k = 3.89447 exp(- 8734.32981/RT)	503-653		20	k
64-36	k = 3.264 exp(- 9275.66478/RT)	560-623		8	k
66.3-33.7	k = 2.62098 exp(- 8371.69646/RT)	523-683		20	k

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
69.2-30.8	k = 2.33611 exp(- 8107.6398/RT)	553-693		20	k
	FeO				
100	k = 6.2500000 x 10^7 exp(- 1.7319539358 x 10^5/RT)	1648-1713	n.a.	1	a,f
100	k = 1482.3 exp(- 22375.15114/RT)	1713-1773	n.a.	1	a,f
	FeS				
100	k = 677.7 exp(9591.98048/RT)	1469-1493	±50%	1	a,f
	FeS-Ni_3S_2				
1.00-0.0 FeS	k = 3848.889 + 3.9629 x 10^{-4} C - 2.8762 x 10^{-5} C^2	1773	(259)	6	a
For additional FeS systems, see : Co_4S_3- ; Cu_2S- ; $FeCl_2$-					
	$GaBr_2$				
100	k = 13.8741 exp(- 16563.0595/RT)	442-462	±1%	21	k
	$GaBr_3$				
100	k = 0.012385 exp(- 32326.54323/RT)	398-407		4	a,f
	$GaCl_2$				
100	k = 15.1424 exp(- 15013.27997/RT)	446-458	±1%	21	k
	$GaCl_3$				
100	k = 9.1867 x 10^{-6} exp(- 4944.73393/RT)	355-360		22	i,v7
	$GaCl_3$-$HgCl_2$				
2.5-10 $HgCl_2$	k = - 0.078928 + 0.058364 C - 0.012579 C^2 + 8.407 x 10^{-4} C^3	353		5	a,n
	$GaCl_3$-KCl				
30-70	(T=973 K, k=0.951)			5	a
40-60	k = 3.833 exp(- 11337.15607/RT)	873-973		5	a,f
50-50	k = 6.58 exp(- 13023.75469/RT)	673-973		5	a,f
60-40	k = 6.196 exp(- 13807.84941/RT)	573-873		5	a,f
70-30	k = 6.727 exp(- 14509.09954/RT)	473-673		5	a,f
80-20	k = 5.525 exp(- 14753.03082/RT)	373-573		5	a,f
90-10	k = 2.749 exp(- 14140.06457/RT)	373-573		5	a,f
	$GaCl_3$-LiCl				
30-70	(T=873 K, k=1.19)			5	a
40-60	k = 3.207 exp(- 8086.9705/RT)	673-873		5	a,f
50-50	k = 3.704 exp(- 10126.70462/RT)	473-673		5	a,f
60-40	k = 4.056 exp(- 12250.12015/RT)	473-573		5	a,f
70-30	k = 6.209 exp(- 14387.76151/RT)	373-473		5	a,f
80-20	k = 3.05 exp(- 13441.32488/RT)	373-473		5	a,f
90-10	k = 3.613 exp(- 16115.78242/RT)	373-473		5	a,f
	$GaCl_3$-NaCl				
20-80	(T=1073 K, k=1.56)			5	a
30-70	(T=1073 K, k=1.3)			5	a
40-60	k = 3.033 exp(- 7463.12566/RT)	773-1073		5	a,f
50-50	k = 3.721 exp(- 8243.87312/RT)	473-773		5	a,f
60-40	k = 3.063 exp(- 9136.75366/RT)	473-573		5	a,f
70-30	(T=473 K, k=0.2)			5	a
70-30	k = 5.277 exp(- 12456.8132/RT)	431-510		8	a,f
79.6-20.4	k = 3.148 exp(- 12184.84865/RT)	419-499		8	a,f
80-20	k = 2.575 exp(- 11179.83504/RT)	373-473		5	a,f
90-10	k = 3.613 exp(- 16115.78242/RT)	373-473		5	a,f
90-10	k = 1.195 exp(- 12142.58955/RT)	384-494		8	a,f
	$GaCl_3$-RbCl				
10-90	(T=973 K, k=1.04)			5	a
40-60	k = 2.969 exp(- 11586.10824/RT)	773-973		5	a,f
50-50	k = 4.834 exp(- 12622.50238/RT)	673-973		5	a,f
60-40	k = 3.34 exp(- 10874.81634/RT)	673-873		5	a,f
70-30	k = 3.817 exp(- 12420.8302/RT)	473-773		5	a,f
80-20	k = 8.40874 exp(- 17164.31036/RT)	373-573		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
90-10	(T=373 K, k=0.02)			5	a
100-0	(T=373 K, k=0.01)		(260)	5	a
Isothermal Data points	(C=20-80, k=0.83) (C=30-70, k=0.72)	973		5	a
	$GaCl_3$-$SbCl_3$				
10-90	k = 2.127 exp(- 14144.66704/RT)	353-373		5	a,f
20-80	k = 2.059 exp(- 12218.73962/RT)	353-373		5	a,f
30-70	k = 5.258 exp(- 14612.02766/RT)	353-373		5	a,f
40-60	k = 9.595 exp(- 16554.27296/RT)	353-373		5	a,f
50-50	(T=353 K, k=0.029)			5	a
60-40	(T=353 K, k=0.023)			5	a
70-30	(T=353 K, k=0.017)			5	a
80-20	(T=353 K, k=0.01)			5	a
90-10	(T=353 K, k=0.006)			5	a
100-0	(T=353 K, k=0.0005)		(261)	5	a
For additional $GaCl_3$ systems, see : $BiCl_3$- ; CsCl-					
	GaI-GaI_3				
0.0-100.0	k = - 0.011231 + 4.152 x 10^{-5} T - 3.45747 x 10^{-8} T^2	460-670	(262)	4	a,n
8.5-91.5	k = 0.440338 exp(- 12476.47833/RT)	460-670		4	a,f
15.5-84.5	k = - 0.49093 + 0.00176369 T - 1.38758 x 10^{-6} T^2	440-670		4	a,n
26.0-74.0	k = 13.1048 exp(- 22060.92748/RT)	420-620		4	a,f
33.5-66.5	k = 12.3391 exp(- 20842.5263/RT)	420-640		4	a,f
47.0-53.0	k = 27.678 exp(- 23665.93673/RT)	430-620		4	a,f
50.0-50.0	k = 17.626 exp(- 21168.04694/RT)	430-620		4	a,f
56.0-44.0	k = 16.248 exp(- 20844.61833/RT)	430-620		4	a,f
61.0-39.0	k = 24.7457 exp(- 22768.87213/RT)	450-630		4	a,f
68.5-31.5	k = 102.13 exp(- 29322.38097/RT)	480-540		4	a,f
	GaI_2				
100	k = 16.099 exp(- 20773.90755/RT)	423-623		1	a,f
	GaI_3				
100	k = 0.10763 exp(- 19928.72541/RT)	458-495	±3%	4	a,f
100	k = 0.015556 exp(- 11941.33578/RT)	495-557	±3%	4	a,f
100	k = 0.0021915 exp(- 2833.87061/RT)	557-677	±3%	4	a,f
100	k = 6.145 x 10^{-5} exp(15751.34992/RT)	625-673	±3%	4	a,f
For additional GaI_3 systems, see : GaI-					
	$GdBr_3$				
100	k = 10.48 exp(- 28202.30543/RT)	1073-1115	±2%	1	a,f
	$GdCl_3$				
100	k = 13.058 exp(- 26564.66043/RT)	920-1240	±2%	5	a,f
	$GdCl_3$-KCl				
100-0 KCl	k = 56.045 + 0.33644 C - 0.0065331 C^2 - 2.8231 x 10^{-5} C^3 + 1.1376 x 10^{-6} C^4	1073	(263)	5	a,n,t
	$GdCl_3$-NaCl				
0-100 NaCl	k = 57.12 + 0.8094 C + 6.903 x 10^{-4} C^2 - 1.8536 x 10^{-4} C^3 + 1.7704 x 10^{-6} C^4	1073	(264)	5	a,n,t
	GdI_3				
100	k = 5.491 exp(- 26136.63007/RT)	1233-1331	±5%	4	a,f
	GdI_3-KI				
0-100	k = 6.291 exp(- 12717.48077/RT)	1247-1331	(265)	4	a,f
10-90	k = 6.097 exp(- 14321.2348/RT)	1247-1331		4	a,f
20-80	k = 5.331 exp(- 15108.67677/RT)	1247-1331		4	a,f
30-70	k = 6.78 exp(- 19636.67732/RT)	1247-1331		4	a,f
40-60	k = 4.781 exp(- 17415.35456/RT)	1247-1331		4	a,f
50-50	k = 4.339 exp(- 17622.88443/RT)	1247-1331		4	a,f
60-40	k = 3.864 exp(- 17647.15204/RT)	1247-1331		4	a,f
70-30	k = 4.213 exp(- 19847.97286/RT)	1247-1331		4	a,f
80-20	k = 3.596 exp(- 19231.65935/RT)	1247-1331		4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
90-10	k = 5.21 exp(- 24342.08245/RT)	1247-1331		4	a,f
100-0	k = 5.491 exp(- 26136.63007/RT)	1247-1331	(266)	4	a,f
	GdI_3-NaI				
0-100	k = 5.48763 exp(- 6012.927/RT)	1233-1325	(267)	4	a,f
10-90	k = 5.3399 exp(- 8648.8911/RT)	1233-1325		4	a,f
20-80	k = 5.24478 exp(- 10755.57034/RT)	1233-1325		4	a,f
30-70	k = 4.50083 exp(- 11037.99507/RT)	1233-1325		4	a,f
40-60	k = 4.60212 exp(- 13089.02618/RT)	1233-1325		4	a,f
50-50	k = 4.86809 exp(- 15432.10538/RT)	1233-1325		4	a,f
60-40	k = 4.06092 exp(- 15442.14715/RT)	1233-1325		4	a,f
70-30	k = 4.49846 exp(- 18358.86235/RT)	1233-1325		4	a,f
80-20	k = 6.55091 exp(- 24348.77696/RT)	1233-1325		4	a,f
90-10	k = 5.23332 exp(- 23890.20289/RT)	1233-1325		4	a,f
100-0	k = 5.491 exp(- 26136.63007/RT)	1233-1325	(268)	4	a,f
For additional GdI_3 systems, see : CsI-					
	GeO_2				
100	k = 29.758 exp(- 1.5881474499 x 10^5/RT)	1389-1623	±20%	1	a,f
	GeS				
100	k = 114.82 exp(- 62773.60221/RT)	873-1073	±50%	1	a,f
	GeS_2-K_2S				
38.21-61.79	k = 60.4044 exp(- 40651.1689/RT)	923-1123		6	a,f
45-55	k = 46.9328 exp(- 34993.05104/RT)	920-1120		6	a,f
50-50	k = 73.486 exp(- 35983.83881/RT)	880-1120		6	a,f
60-40	k = 20.9123 exp(- 33723.18579/RT)	880-1120		6	a,f
70-30	k = 61.5385 exp(- 45949.45674/RT)	880-1120		6	a,f
83.4-16.6	k = 1.0053 - 0.002733 T + 1.835 x 10^{-6} T^2	880-1120		6	a
	$HgBr_2$				
100	k = 0.020134 exp(- 21038.34077/RT)	520-610	±1.5%	1	a,c,f
	$HgBr_2$-HgI_2				
0-100	k = 0.09357 - 1.54 x 10^{-4} T + 5.694 x 10^{-8} T^2	550-800	(269)	2	a,n
11-89	k = 0.09275 - 1.641 x 10^{-4} T + 7.12 x 10^{-8} T^2	550-800		2	a,n
23-77	k = 0.1483 - 3.708 x 10^{-4} T + 8.75 x 10^{-8} T^2 + 5.027 x 10^{-10} T^3 - 3.867 x 10^{-13} T^4	550-800		2	a,n
34-66	k = 0.05367 - 9.82 x 10^{-5} T + 1.698 x 10^{-8} T^2 + 1.182 x 10^{-10} T^3 - 1.034 x 10^{-13} T^4	550-800		2	a,n
51-49	k = - 0.1618 + 7.631 x 10^{-4} T - 1.117 x 10^{-6} T^2 + 5.273 x 10^{-10} T^3	500-800		2	a,n
69-31	k = - 0.03167 + 1.338 x 10^{-4} T - 1.627 x 10^{-7} T^2 + 6.003 x 10^{-11} T^3	500-800		2	a,n
77-23	k = - 0.0228 + 9.436 x 10^{-5} T - 1.118 x 10^{-7} T^2 + 3.975 x 10^{-11} T^3	500-800		2	a,n
83-17	k = - 0.009766 + 3.37 x 10^{-5} T - 2.498 x 10^{-8} T^2	500-800		2	a,n
88-12	k = - 0.00735 + 2.471 x 10^{-5} T - 1.808 x 10^{-8} T^2	500-800		2	a,n
92-8	k = - 0.005707 + 1.851 x 10^{-5} T - 1.32 x 10^{-8} T^2	550-800		2	a,n
95-5	k = - 0.006253 + 1.933 x 10^{-5} T - 1.334 x 10^{-8} T^2	550-800		2	a,n
99-1	k = - 0.002932 + 9.332 x 10^{-6} T - 6.494 x 10^{-9} T^2	550-800		2	a,n
100-0	k = 0.0075834 exp(- 16628.7494/RT)	550-650	(270)	2	a,f
100-0	k = 0.00114 - 5.209 x 10^{-6} T + 2.388 x 10^{-9} T^2 + 1.513 x 10^{-11} T^3 - 1.441 x 10^{-14} T^4	550-800		2	a,n
	$HgBr_2$-KBr				
1.34-57.1 KBr	k = - 0.014954 + 0.02239 C - 9.5293 x 10^{-4} C^2 + 2.0574 x 10^{-5} C^3 - 1.6518 x 10^{-7} C^4	515	(271)	4	a,n
	$HgBr_2$-NaBr				
0.18-7.5 NaBr	k = - 1.8104 x 10^{-5} + 0.0040751 C + 0.0020963 C^2 - 1.5283 x 10^{-4} C^3	515	(272)	4	a,n
	$HgBr_2$-NH_4Br				
28.0-72.0	k = 11.702 exp(- 14397.38487/RT)	580-640		4	a,f
31.0-69.0	k = 16.587 exp(- 16201.55585/RT)	580-640		4	a,f
33.0-67.0	k = 15.177 exp(- 15712.85648/RT)	530-640		4	a,f
35.0-65.0	k = 24.82 exp(- 17966.81499/RT)	500-640		4	a,f
36.0-64.0	k = 18.409 exp(- 16460.54979/RT)	500-640		4	a,f
38.0-62.0	k = 18.848 exp(- 16491.93031/RT)	500-640		4	a,f
39.5-60.5	k = 18.111 exp(- 16186.0748/RT)	500-640		4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
41.0-59.0	k = 16.166 exp(- 15461.81228/RT)	500-620		4	a,f
43.0-57.0	k = 16.176 exp(- 15275.20276/RT)	480-620		4	a,f
45.0-55.0	k = 22.988 exp(- 16863.47573/RT)	480-620		4	a,f
47.5-52.5	k = 23.77 exp(- 16777.70229/RT)	480-620		4	a,f
50.0-50.0	k = 20.539 exp(- 15935.0306/RT)	480-620		4	a,f
52.5-47.5	k = 13.583 exp(- 13721.23916/RT)	480-620		4	a,f
55.0-45.0	k = 16.343 exp(- 14432.53106/RT)	480-620		4	a,f
58.0-42.0	k = 14.787 exp(- 13940.48443/RT)	480-620		4	a,f
60.0-40.0	k = 17.337 exp(- 14581.06554/RT)	480-620		4	a,f
64.0-36.0	k = 12.558 exp(- 13114.96742/RT)	480-620		4	a,f
68.0-32.0	k = 12.752 exp(- 13304.08738/RT)	480-620		4	a,f
70.0-30.0	k = 10.912 exp(- 12631.70733/RT)	480-620		4	a,f
71.0-29.0	k = 11.96 exp(- 13183.58616/RT)	480-620		4	a,f
71.5-28.5	k = 9.425 exp(- 12091.9623/RT)	500-620		4	a,f
72.5-27.5	k = 8.499 exp(- 11533.38896/RT)	500-620		4	a,f
74.0-26.0	k = 7.47 exp(- 11101.59293/RT)	500-620		4	a,f
76.0-24.0	k = 7.891 exp(- 11477.74082/RT)	500-590		4	a,f
77.5-22.5	k = 5.882 exp(- 10568.96082/RT)	500-590		4	a,f
79.0-21.0	k = 5.705 exp(- 10729.2107/RT)	500-590		4	a,f
81.0-19.0	k = 5.435 exp(- 10796.15582/RT)	500-590		4	a,f
83.0-17.0	k = 3.373 exp(- 9027.96784/RT)	500-570		4	a,f
85.0-15.0	k = 5.331 exp(- 11657.65583/RT)	500-570		4	a,f
88.0-12.0	k = 1.874 exp(- 8084.87846/RT)	530-570		4	a,f
92.5-7.5	k = 1.13 exp(- 8384.45787/RT)	530-570		4	a,f
94.0-6.0	k = 0.8858 exp(- 8416.25681/RT)	530-570		4	a,f
100-0	$k = - 2.19 + 0.006589\ T - 4.592 \times 10^{-6}\ T^2$	530-570	(273)	4	a,f
	$HgBr_2$-$PbBr_2$				
0.31-2.67 $PbBr_2$	$k = - 3.3344 \times 10^{-4} + 0.004834\ C + 0.001555\ C^2 + 3.701 \times 10^{-4}\ C^3$	515	(274)	4	a,n
	$HgBr_2$-$TlBr$				
0.033-6.70 $TlBr$	$k = 1.6523 \times 10^{-4} + 0.004044\ C + 0.003105\ C^2 - 2.706 \times 10^{-4}\ C^3$	515	(275)	4	a,n
For additional $HgBr_2$ systems, see : AgBr- ; $AlBr_3$- ; CuBr-					
	$HgCl_2$				
100	k = 0.0070941 exp(- 24729.52733/RT)	550-630	±3%	1	a,c,f
	$HgCl_2$-HgI_2				
0-100	k = 0.004331 exp(8897.84326/RT)	550-570	(276)	2	a,f
10-90	k = 0.01096 exp(4684.48477/RT)	530-570		2	a,f
20-80	k = 0.008988 exp(4938.45782/RT)	500-570		2	a,f
30-70	k = 0.012447 exp(2443.49688/RT)	480-570		2	a,f
40-60	(T=480 K, k=0.016)			2	a
50-50	k = 0.020749 exp(- 3282.40292/RT)	480-570		2	a,f
60-40	k = 0.019859 exp(- 5497.44957/RT)	480-570		2	a,f
70-30	k = 0.045409 exp(- 12378.5711/RT)	500-570		2	a,f
80-20	k = 1.6931 exp(- 31958.76347/RT)	530-570		2	a,f
90-10	k = 857.17 exp(- 63386.15006/RT)	550-570		2	a,f
	$HgCl_2$-Hg_2Cl_2				
0.0-100.0	k = 12.652 exp(- 17481.88127/RT)	800-1060	(277)	5	a,f
33.3-66.7	k = 12.272 exp(- 18372.25137/RT)	780-860		5	a,f
57.2-42.8	k = 3.871 exp(- 14342.15515/RT)	760-860		5	a,f
74.8-25.2	k = 0.479286 exp(- 8719.18347/RT)	700-940		5	a,f
88.9-11.1	k = 0.104925 exp(- 14804.07647/RT)	620-840		5	a,f
94.7-5.3	k = 0.0553713 exp(- 21845.44788/RT)	540-700		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$HgCl_2$-NH_4Cl				
29.4-70.6	k = 4.461 exp(- 7067.73104/RT)	530-570		5	a,f
32.2-67.8	k = 22.449 exp(- 14942.56919/RT)	530-570		5	a,f
35.0-65.0	k = 25.867 exp(- 15242.98542/RT)	500-570		5	a,f
38.0-62.0	k = 16.206 exp(- 12975.63788/RT)	500-570		5	a,f
41.8-58.2	k = 23.649 exp(- 14387.76151/RT)	500-570		5	a,f
44.2-55.8	k = 28.714 exp(- 15194.45021/RT)	500-570		5	a,f
46.2-53.8	k = 7.109 exp(- 8733.82772/RT)	550-570		5	a,f
48.5-51.5	k = 35.892 exp(- 16035.86668/RT)	500-570		5	a,f
50.0-50.0	k = 28.67 exp(- 15293.61266/RT)	500-570		5	a,f
50.3-49.7	k = 73.101 exp(- 19739.18704/RT)	500-570		5	a,f
52.7-47.3	k = 395.05 exp(- 27702.30906/RT)	500-570		5	a,f
54.8-45.2	k = 43.029 exp(- 17469.74747/RT)	500-570		5	a,f
56.8-43.2	k = 75.574 exp(- 19903.62099/RT)	500-570		5	a,f
62.4-37.6	k = 35.576 exp(- 16648.41453/RT)	500-570		5	a,f
66.6-33.4	k = 34.107 exp(- 17030.83853/RT)	500-570		5	a,f
70.0-30.0	k = 42.742 exp(- 18907.39392/RT)	500-570		5	a,f
72.0-28.0	k = 40.002 exp(- 17977.69357/RT)	500-570		5	a,f
73.0-27.0	k = 14.75 exp(- 12826.68499/RT)	500-570		5	a,f
78.0-22.0	k = 6.312 exp(- 9905.78573/RT)	530-570		5	a,f
78.5-21.5	k = 13.211 exp(- 13914.9616/RT)	530-570		5	a,f
83.0-17.0	k = 29.706 exp(- 18760.95147/RT)	530-570		5	a,f
84.1-15.9	k = 142.88 exp(- 27008.17185/RT)	530-570		5	a,f
90.0-10.0	k = 0.7074 exp(- 5104.98381/RT)	530-570		5	a,f
94.9-5.1	k = 8.892 exp(- 20900.68487/RT)	550-570		5	a,f
	$HgCl_2$-$TlNO_3$				
0-100	k = 9.416 exp(- 13150.53201/RT)	498-523	(278)	3	a,f
10-90	k = 11.5049 exp(- 14922.90406/RT)	460-550		3	a,f
20-80	k = 14.3413 exp(- 16751.76106/RT)	460-550		3	a,f
30-70	k = 19.1285 exp(- 18809.48669/RT)	460-550		3	a,f
40-60	k = 21.9527 exp(- 20231.65208/RT)	460-550		3	a,f
50-50	k = 14.7058 exp(- 19423.70816/RT)	460-550		3	a,f
For additional $HgCl_2$ systems, see : $GaCl_3$-					
	HgI_2				
100	k = 0.0017223 exp(12789.44677/RT)	530-650	±2.5%	1	a,c,f
	HgI_2-Hg_2I_2				
7.7-92.3	k = 2.852 exp(- 7406.64071/RT)	620-820		4	a,f
33.3-66.7	k = 1.681 exp(- 4079.88666/RT)	700-840		4	a,f
57.4-42.6	k = - 3.5028 + 0.011534 T - 7.8529 x 10^{-6} T^2	560-880		4	a,n
66.5-33.5	k = 1.26239 exp(- 4258.54645/RT)	540-760		4	a,n
82.5-17.5	k = - 2.5845 + 0.0116269 T - 1.40878 x 10^{-5} T^2 + 4.8868 x 10^{-9} T^3	520-840		4	a,n
94.4-5.6	k = - 0.6965 + 0.0042089 T - 6.6838 x 10^{-6} T^2 + 3.2035 x 10^{-9} T^3	540-860		4	a,l,n
	HgI_2-KI				
47.5-52.5	k = 17.142 exp(- 16464.31545/RT)	565-600		4	a,f
50-50	k = 13.165 exp(- 15318.71708/RT)	565-600		4	a,f
52.5-47.5	k = 26.119 exp(- 18605.30407/RT)	555-600		4	a,f
55-45	k = 28.214 exp(- 18658.86017/RT)	545-600		4	a,f
60-40	k = 34.636 exp(- 19309.48305/RT)	545-590		4	a,f
65-35	k = 28.498 exp(- 17796.10493/RT)	545-580		4	a,f
70-30	k = 8.052 exp(- 11522.92878/RT)	545-580		4	a,f
75-25	k = 7.4 exp(- 11074.81488/RT)	545-580		4	a,f
80-20	k = 6.475 exp(- 10463.52226/RT)	545-580		4	a,f
90-10	k = 2.402 exp(- 7743.03994/RT)	545-570		4	a,f
100-0	k = 0.009913 exp(5154.35583/RT)	545-570	(279)	4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	HgI_2-NH_4I				
30.0-70.0	k = 16.353 exp(- 17682.29823/RT)	530-620		4	a,f
32.5-67.5	k = 30.261 exp(- 20700.68633/RT)	530-620		4	a,f
35.0-65.0	k = 18.043 exp(- 17924.13747/RT)	530-620		4	a,f
37.5-62.5	k = 15.92 exp(- 17165.98399/RT)	530-620		4	a,f
42.0-58.0	k = 19.934 exp(- 17965.97817/RT)	480-620		4	a,f
42.5-57.5	k = 16.957 exp(- 16999.87641/RT)	480-620		4	a,f
44.5-55.5	k = 12.856 exp(- 15543.40164/RT)	480-620		4	a,b,f
46.0-54.0	k = 17.3 exp(- 16794.02017/RT)	480-620		4	a,f
47.0-53.0	k = 12.981 exp(- 15509.09227/RT)	480-620		4	a,f
48.0-52.0	k = 11.718 exp(- 14832.52815/RT)	480-620		4	a,f
49.5-50.5	k = 9.627 exp(- 13753.4565/RT)	480-620		4	a,f
51.0-49.0	k = 8.146 exp(- 12882.33312/RT)	480-620		4	a,f
52.0-48.0	k = 9.777 exp(- 13730.02571/RT)	480-620		4	a,f
53.5-46.5	k = 7.045 exp(- 11963.09294/RT)	480-620		4	a,f
55.0-45.0	k = 7.145 exp(- 11943.84622/RT)	480-620		4	a,f
56.0-44.0	k = 6.53 exp(- 11400.33553/RT)	480-620		4	a,f
57.5-42.5	k = 6.699 exp(- 11432.97128/RT)	480-620		4	a,f
60.0-40.0	k = 6.246 exp(- 10960.17137/RT)	480-620		4	a,f
61.5-38.5	k = 5.695 exp(- 10421.68156/RT)	480-620		4	a,f
63.0-37.0	k = 5.011 exp(- 9771.05867/RT)	480-620		4	a,f
65.0-35.0	k = 4.717 exp(- 9382.77698/RT)	480-620		4	a,f
67.0-33.0	k = 4.093 exp(- 8649.72791/RT)	480-620		4	a,f
68.5-31.5	k = 3.749 exp(- 8241.36268/RT)	480-620		4	a,f
70.0-30.0	k = 3.936 exp(- 8490.73325/RT)	480-620		4	a,f
71.5-28.5	k = 3.741 exp(- 8251.40445/RT)	480-620		4	a,f
73.0-27.0	k = 3.377 exp(- 7808.72984/RT)	480-620		4	a,f
75.0-25.0	k = 2.891 exp(- 7120.86873/RT)	480-620		4	a,f
77.5-22.5	k = 2.618 exp(- 6799.11375/RT)	500-620		4	a,f
79.0-21.0	k = 2.326 exp(- 6378.61472/RT)	500-620		4	a,f
82.0-18.0	k = 1.77 exp(- 5393.68464/RT)	530-620		4	a,f
84.0-16.0	k = 1.407 exp(- 4598.29293/RT)	530-620		4	a,f
86.0-14.0	k = 1.11 exp(- 3968.7996/RT)	530-620		4	a,f
88.0-12.0	k = 0.9368 exp(- 3574.28364/RT)	530-620		4	a,f
94.0-6.0	k = 0.3689 exp(- 1611.57824/RT)	550-620		4	a,f
100.0-0.0	k = 0.009913 exp(5154.35583/RT)	550-620	(280)	4	a,f
	HgI_2-SbI_3				
0-100	k = 0.0028891 exp(- 9154.74516/RT)	450-550	(281)	4	a,f
0-100	$k = -7.599 \times 10^{-4} + 2.173 \times 10^{-6}\,T + 1.525 \times 10^{-9}\,T^2 - 3.061 \times 10^{-12}\,T^3$	450-800		4	a,n
9-91	$k = -0.002409 + 1.076 \times 10^{-5}\,T - 1.225 \times 10^{-8}\,T^2 + 3.978 \times 10^{-12}\,T^3$	450-800		4	a,n
16-84	$k = -0.004174 + 2.086 \times 10^{-5}\,T - 2.925 \times 10^{-8}\,T^2 + 1.307 \times 10^{-11}\,T^3$	450-800		4	a,n
27-73	$k = -0.005905 + 3.031 \times 10^{-5}\,T - 4.399 \times 10^{-8}\,T^2 + 2.034 \times 10^{-11}\,T^3$	450-800		4	a,n
42-58	$k = -0.0104 + 5.917 \times 10^{-5}\,T - 9. \times 10^{-8}\,T^2 + 4.25 \times 10^{-11}\,T^3$	500-800		4	a,n
58-42	$k = -0.003486 + 3.314 \times 10^{-5}\,T - 5.04 \times 10^{-8}\,T^2 + 2.097 \times 10^{-11}\,T^3$	500-800		4	a,n
74-26	$k = 0.01442 - 1.526 \times 10^{-5}\,T$	550-800		4	a,n
83-17	$k = 0.03122 - 4.87 \times 10^{-5}\,T + 1.707 \times 10^{-8}\,T^2$	550-800		4	a,n
91-9	$k = 0.06053 - 1.0946 \times 10^{-4}\,T + 4.917 \times 10^{-8}\,T^2$	550-800		4	a,n
100-0	$k = 0.09357 - 1.54 \times 10^{-4}\,T + 5.694 \times 10^{-8}\,T^2$	550-800	(282)	4	a,n
	HgI_2-$TlNO_3$				
0-100	k = 6.704 exp(- 11510.37657/RT)	498-573	(283)	3	a,f
5-95	k = 6.40896 exp(- 11814.55846/RT)	498-573		3	a,f
10-90	k = 6.49872 exp(- 12432.5456/RT)	500-570		3	a,f
20-80	k = 6.56 exp(- 13387.76878/RT)	523-573		3	a,f
30-70	k = 6.88311 exp(- 14664.32854/RT)	520-570		3	a,f
40-60	k = 10.127 exp(- 17673.09327/RT)	523-573		3	a,f
50-50	k = 7.01816 exp(- 16620.38126/RT)	520-570		3	a,f
60-40	k = 5.242 exp(- 15881.05609/RT)	523-573		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
70-30	k = 1.68805 exp(- 10778.16432/RT)	520-570		3	a,f
80-20	k = 1.1926 exp(- 9261.02054/RT)	523-573		3	a,f
90-10	k = 0.382278 exp(- 4456.03455/RT)	550-570		3	a,f
92-8	k = 0.5087 exp(- 6148.49087/RT)	548-573		3	a,f
95-5	k = 0.1412 exp(- 896.52068/RT)	548-573		3	a,f
97-3	k = 0.06013 exp(2179.48206/RT)	548-573		3	a,f
100-0	k = 0.004331 exp(8897.84326/RT)	550-570	(284)	3	a,f
For additional HgI_2 systems, see : $AgNO_3$- ; AlI_3- ; $HgBr_2$- ; $HgCl_2$-					
	Hg_2Cl_2				
100	k = 12.652 exp(- 17481.88127/RT)	800-1060	±3%	5	a,c,f
	Hg_2I_2				
For Hg_2I_2 systems, see : HgI_2-					
	$HoCl_3$				
100	k = 23.29 exp(- 33800.17268/RT)	1020-1092	±5%	1	a,f
	$InBr_3$				
100	k = 0.119392 exp(2005.09003/RT)	709-813	±10%	1	a,f
	$InBr_3$-KBr				
20-80	k = 22.953 exp(- 24362.16598/RT)	603-753		4	a,f
25-75	k = 10.945 exp(- 19941.27762/RT)	603-753		4	a,f
30-70	k = 5.125 exp(- 15220.39144/RT)	603-753		4	a,f
35-65	k = 5.082 exp(- 15060.97837/RT)	603-753		4	a,f
40-60	k = 4.911 exp(- 14924.9961/RT)	603-753		4	a,f
45-55	k = 4.741 exp(- 14786.08497/RT)	603-753		4	a,f
	$InBr_3$-LiBr				
20-80	k = 41.305 exp(- 24180.99575/RT)	593-743		4	a,f
25-75	k = 33.168 exp(- 22931.21404/RT)	593-783		4	a,f
30-70	k = 16.632 exp(- 18811.99713/RT)	593-783		4	a,f
35-65	k = 12.895 exp(- 17435.4381/RT)	593-783		4	a,f
40-60	k = 10.717 exp(- 16628.7494/RT)	593-783		4	a,f
	InCl				
100	k = 23.915 exp(- 13811.19666/RT)	498-624	±10%	1	a,f
	$InCl_2$				
100	k = 6.405 exp(- 13866.00798/RT)	508-780	±10%	1	a,f
	$InCl_3$				
100	k = 0.045 exp(16158.87834/RT)	859-967	±10%	1	a,f
	InI_3				
100	k = 0.88378 exp(- 11021.25879/RT)	504-580	±6%	1	a,f
100	k = 0.295433 exp(- 5926.73516/RT)	504-880		1	
	$KAlCl_4$				
100	k = 7.93 exp(- 13594.04343/RT)	530-570	±2%	5	a,f
100	k = 1.965 exp(- 5424.64676/RT)	875-1275	±5%	5	a,f
	$KAlCl_4$-$LiAlBr_4$-$NaAlCl_4$				
20-30-50	k = - 0.97724 + 0.0034931 T - 1.3753 x 10^{-6} T^2	370-674	(285)	23	k
	KBF_4				
100	k = 4.121 exp(- 9184.45206/RT)	818-925	±4%	3	a,f
	KBF_4-KF				
23.2-76.8	k = 2.5220000 x 10^7 exp(- 1.3341074558 x 10^5/RT)	1023-1073		14	a,f
31.6-68.4	k = 2.95424 x 10^5 exp(- 91112.30832/RT)	973-1073		14	a,f
40.9-59.1	k = 19758.7 exp(- 66217.09182/RT)	973-1073		14	a,f
51.8-48.2	(T=723 K, k=0.201)			14	a
51.8-48.2	k = 153.6 - 0.01832 T - 9.803 x 10^{-4} T^2 + 1.367 x 10^{-6} T^3 - 5.135 x 10^{-10} T^4	823-1073		14	a,n
64.9-35.1	k = 13597.6 exp(- 61989.08909/RT)	723-1073		14	a,f
80.6-19.4	(T=873 K, k=1.459)			14	a
80.6-19.4	k = 70522.1 exp(- 76154.25807/RT)	723-1023		14	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	KBr				
100	k = 6.256 exp(- 11259.33237/RT)	1011-1229	±2%	1	a,f
	KBr-KCl				
0-100	k = 7.165 exp(- 10404.52687/RT)	1059-1213	(286)	2	a,f
20-80	k = 6.7513 exp(- 10332.14246/RT)	1048-1198		2	a,f
40-60	k = 6.8265 exp(- 10978.99968/RT)	1030-1183		2	a,f
50-50	k = 6.6721 exp(- 10973.14198/RT)	1023-1193		2	a,f
60-40	k = 6.7476 exp(- 11287.78405/RT)	1018-1203		2	a,f
80-20	k = 6.4943 exp(- 11025.44286/RT)	1013-1193		2	a,f
100-0	k = 6.41206 exp(- 11494.4771/RT)	1017-1223	(287)	2	a,f
	KBr-KF				
0-100	k = 9.2835 exp(- 9774.82433/RT)	1140-1270	(288)	2	a,f
12-88	k = 8.9478 exp(- 10849.71192/RT)	1110-1290		2	a,f
25-75	k = 7.5998 exp(- 10450.97005/RT)	1090-1270		2	a,f
37-63	k = 6.5334 exp(- 9735.49408/RT)	1060-1270		2	a,f
50-50	k = 7.0637 exp(- 11122.09487/RT)	1100-1260		2	a,f
63-37	k = 6.2785 exp(- 10396.15873/RT)	1010-1220		2	a,f
75-25	k = 5.6001 exp(- 9723.36027/RT)	1030-1260		2	a,f
88-12	k = 5.15 exp(- 9307.88212/RT)	1020-1250		2	a,f
100-0	k = 6.2082 exp(- 11583.5978/RT)	1030-1220	(289)	2	a,f
	KBr-KI				
0-100	k = 4.94767 exp(- 10559.33746/RT)	993-1173	(290)	2	a,f
20-80	k = 5.18787 exp(- 10843.43581/RT)	954-1193		2	a,f
40-60	k = 5.58576 exp(- 11230.46229/RT)	943-1133		2	a,f
60-40	k = 5.78071 exp(- 11268.53732/RT)	957-1143		2	a,f
80-20	k = 6.0644 exp(- 11339.66651/RT)	973-1143		2	a,f
100-0	k = 6.41206 exp(- 11494.4771/RT)	1017-1223	(291)	2	a,f
	$KBr-KNO_3$				
0-100	k = 8.65609 exp(- 13260.99146/RT)	623-873	(292)	3	a,f
15-85	k = 7.60116 exp(- 12601.58203/RT)	660-760		3	a,f
33.3-66.7	k = 7.02654 exp(- 12222.50528/RT)	660-760		3	a,f
50-50	k = 7.58538 exp(- 12788.19155/RT)	780-880		3	a,f
66.7-33.3	k = 5.58899 exp(- 10459.33819/RT)	623-1073		3	a,f
100-0	k = 5.991 exp(- 11045.9448/RT)	1015-1073	(293)	3	a,f
	KBr-LiBr				
0-100	k = 12.97 exp(- 6881.12152/RT)	840-1020	(294)	4	a,f
20-80	k = 9.944 exp(- 8640.94136/RT)	780-1020		4	a,f
40-60	k = 12.665 exp(- 12960.99364/RT)	640-1020		4	a,f
60-40	k = 9.681 exp(- 12795.72287/RT)	840-1020		4	a,f
80-20	k = 9.947 exp(- 14520.39653/RT)	940-1020		4	a,f
	KBr-NaBr				
0-100	k = 5.845 exp(- 5994.9355/RT)	1050-1220	(295)	4	a,f
50-50	k = 5.783 exp(- 8946.37847/RT)	1000-1140		4	a,f
100-0	k = 6.366 exp(- 11431.71605/RT)	1030-1190	(296)	4	a,f
	KBr-NaCl				
0-100	k = 8.991 exp(- 8290.3163/RT)	1073-1123	(297)	2	a,f
10-90	k = 8.954 exp(- 9124.61986/RT)	1073-1123		2	a,f
20-80	k = 6.721 exp(- 7285.30268/RT)	1073-1123		2	a,f
30-70	k = 7.172 exp(- 8650.14632/RT)	1073-1123		2	a,f
40-60	k = 6.576 exp(- 8592.82456/RT)	1073-1123		2	a,f
50-50	k = 6.565 exp(- 9127.96711/RT)	1073-1123		2	a,f
60-40	k = 6.582 exp(- 9776.49796/RT)	1073-1123		2	a,f
70-30	k = 5.971 exp(- 9407.8814/RT)	1073-1123		2	a,f
80-20	k = 5.992 exp(- 9969.802/RT)	1073-1123		2	a,f
90-10	k = 6.759 exp(- 11511.21338/RT)	1073-1123		2	a,f
100-0	k = 5.395 exp(- 9993.6512/RT)	1073-1123	(298)	2	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$KBr-PbBr_2$				
0-100	k = 9.727 exp(- 14634.20323/RT)	660-1080	(299)	4	a,f
8.8-91.2	k = 7.096 exp(- 12595.72433/RT)	780-1060		4	a,f
18.0-82.0	k = 5.655 exp(- 11191.96884/RT)	840-1160		4	a,f
30.9-69.1	k = 7.365 exp(- 13699.9004/RT)	660-1100		4	a,f
41.7-58.3	k = 6.074 exp(- 12674.80325/RT)	780-1120		4	a,f
55.0-45.0	k = 8.204 exp(- 15567.25084/RT)	680-1120		4	a,f
65.8-34.2	k = 7.157 exp(- 14539.22484/RT)	780-1160		4	a,f
81.7-18.3	k = 7.805 exp(- 14978.9706/RT)	840-1180		4	a,f
89.4-10.6	k = 6.406 exp(- 12682.75298/RT)	1020-1140		4	a,f
	KBr-RbBr				
0-100	k = 4.781 exp(- 11525.85763/RT)	980-1140	(300)	4	a,f
50-50	k = 5.48 exp(- 11430.46083/RT)	980-1130		4	a,f
100-0	k = 6.395 exp(- 11476.4856/RT)	1030-1190	(301)	4	a,f
	KBr-RbCl				
0-100	k = 6.3915 exp(- 11454.72844/RT)	1043-1123	(302)	2	a,f
10-90	k = 6.0224 exp(- 11022.0956/RT)	1043-1123		2	a,f
20-80	k = 5.9834 exp(- 11048.87365/RT)	1043-1123		2	a,f
30-70	k = 5.9996 exp(- 11176.90619/RT)	1043-1123		2	a,f
40-60	k = 6.0082 exp(- 11241.75928/RT)	1043-1123		2	a,f
50-50	k = 6.5291 exp(- 12023.34355/RT)	1043-1123		2	a,f
60-40	k = 6.4813 exp(- 11992.38143/RT)	1043-1123		2	a,f
70-30	k = 7.0328 exp(- 12707.8574/RT)	1043-1123		2	a,f
80-20	k = 6.5291 exp(- 12023.34355/RT)	1043-1123		2	a,f
90-10	k = 6.5291 exp(- 12023.34355/RT)	1043-1123		2	a,f
100-0	k = 6.0642 exp(- 11342.59536/RT)	1043-1123	(303)	2	a,f
	$KBr-ScBr_3$				
30-70	(T=1153 K, k=0.5)			4	a
40-60	k = 2.73832 exp(- 15100.72704/RT)	1113-1233		4	a,f
50-50	k = 8.94146 exp(- 24163.84106/RT)	1033-1233		4	a,f
60-40	k = 8.478 exp(- 21506.1198/RT)	993-1233		4	a,f
70-30	k = 5.48517 exp(- 15583.98712/RT)	993-1233		4	a,f
80-20	k = 6.63333 exp(- 16498.20642/RT)	993-1233		4	a,f
90-10	k = 6.5104 exp(- 13839.64834/RT)	993-1233		4	a,f
100-0	k = 5.8977 exp(- 10764.7753/RT)	1033-1233	(304)	4	a,f
	KBr-TlBr				
0.0-100.0	k = 6.388 exp(- 12532.96328/RT)	760-960	(305)	4	a,b,f
5.5-94.5	k = 6.147 exp(- 12192.37998/RT)	820-960		4	a,b,f
16.0-84.0	k = 7.061 exp(- 13157.64493/RT)	760-900		4	a,b,f
20.4-79.6	k = 6.173 exp(- 12081.92053/RT)	940-1020		4	a,b,f
27.0-73.0	k = 5.159 exp(- 10608.29108/RT)	940-1060		4	a,b,f
35.0-65.0	k = 6.895 exp(- 12825.84818/RT)	900-980		4	a,b,f
51.0-49.0	k = 6.006 exp(- 11727.94821/RT)	900-1060		4	a,b,f
73.6-26.4	k = 6.095 exp(- 11594.47638/RT)	960-1060		4	a,b,f
86.0-14.0	k = 5.933 exp(- 11225.85981/RT)	1000-1040		4	a,b,f
100.0-0.0	k = 5.283 exp(- 9807.04167/RT)	1040-1240	(306)	4	a,b,f
	$KBr-ZnSO_4$				
27.29-72.71	k = 32.1122 exp(- 36158.73294/RT)	770-820		3	a,f,o
28.38-71.62	k = 18.7454 exp(- 31037.43126/RT)	770-820		3	a,f,o
31.00-69.00	k = 32.9384 exp(- 34673.8065/RT)	770-820		3	a,f,o
32.36-67.64	k = 35.4437 exp(- 35414.80529/RT)	770-820		3	a,f,o
33.38-66.62	k = 56.7977 exp(- 39059.13026/RT)	770-820		3	a,f,o
34.50-65.50	k = 11.1585 exp(- 28032.01378/RT)	770-820		3	a,f,o
35.00-65.00	k = 36.0838 exp(- 35761.24629/RT)	770-820		3	a,f,o
36.10-63.90	k = 74.186 exp(- 40333.59799/RT)	770-820		3	a,f,o
37.82-62.18	k = 70.9028 exp(- 39851.17472/RT)	750-820		3	a,f,o
40.00-60.00	k = 39.497 exp(- 35451.2067/RT)	750-820		3	a,f,o

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
40.63-59.37	k = 55.7572 exp(- 37636.96487/RT)	750-820		3	a,f,o
45.08-54.92	k = 45.5397 exp(- 34582.59377/RT)	750-820		3	a,f,o
50.00-50.00	k = 32.1134 exp(- 31283.87298/RT)	750-820		3	a,f,o
52.28-47.72	k = 37.3241 exp(- 31803.11607/RT)	750-820		3	a,f,o
55.10-44.90	k = 37.7557 exp(- 31249.98202/RT)	750-820		3	a,f,o
60.44-39.56	k = 38.4645 exp(- 30677.18283/RT)	750-820		3	a,f,o
64.91-35.09	k = 69.1932 exp(- 32968.79797/RT)	750-820		3	a,f,o
For additional KBr systems, see : $AgBr$- ; $AgCl$- ; $AlBr_3$- ; $BaBr_2$- ; $CaCl_2$- ; $CdBr_2$- ; $CsCl$- ; $HgBr_2$- ; $InBr_3$-					
	$KCHO_2$				
100	k = 13.8712 exp(- 16004.90456/RT)	580-600	n.a.	3	a,f
	$KCHO_2$-$KC_2H_3O_2$				
0-100	k = 31.8579 exp(- 24562.58294/RT)	580-600	(307)	3	a,f
50-50	k = 19.2595 exp(- 20004.87548/RT)	580-600		3	a,f
75-25	k = 16.1459 exp(- 18026.64719/RT)	580-600		3	a,f
87-13	k = 14.5439 exp(- 16945.4835/RT)	580-600		3	a,f
93-7	k = 13.9891 exp(- 16431.6797/RT)	580-600		3	a,f
100-0	k = 13.8712 exp(- 16004.90456/RT)	580-600	(308)	3	a,f
	KCl				
100	k = 6.9475 exp(- 10100.34498/RT)	1063-1198	±1.5%	1	a,c,f
	KCl-KF				
0-100	k = 9.2756 exp(- 9767.71142/RT)	1140-1270	(309)	2	a,f
12-88	k = 8.5987 exp(- 9683.61161/RT)	1110-1290		2	a,f
37-63	k = 8.2617 exp(- 10336.32653/RT)	1030-1270		2	a,f
50-50	k = 8.3205 exp(- 10854.31439/RT)	1030-1240		2	a,f
63-37	k = 7.8889 exp(- 10753.47831/RT)	1000-1240		2	a,f
75-25	k = 8.4356 exp(- 11653.47176/RT)	1000-1250		2	a,f
88-12	k = 6.7314 exp(- 10079.00622/RT)	1030-1270		2	a,f
100-0	k = 6.4563 exp(- 9454.74298/RT)	1060-1270	(310)	2	a,f
	KCl-KI				
0-100	k = 4.846 exp(- 10405.78209/RT)	960-1180	(311)	2	a,f
6.04-93.96	k = 5.4285 exp(- 11419.16384/RT)	970-1170		2	a,f
15.30-84.70	k = 5.275 exp(- 10881.09244/RT)	950-1170		2	a,f
24.67-75.33	k = 5.5968 exp(- 11176.90619/RT)	910-1170		2	a,f
45.15-54.85	k = 6.4463 exp(- 11949.70392/RT)	890-1170		2	a,f
61.12-38.88	k = 9.4064 exp(- 14980.64423/RT)	920-1170		2	a,f
80.22-19.78	k = 7.0859 exp(- 11584.0162/RT)	990-1170		2	a,f
100-0	k = 6.9475 exp(- 10100.34498/RT)	1060-1190	(312)	2	a,f
	KCl-KOH-K_2CO_3				
1.3-97.1-1.6	k = 12.5737 exp(- 9853.06644/RT)	680-860		3	a,f
3.9-94.4-1.7	k = 13.4993 exp(- 11027.53489/RT)	680-860		3	a,f
4.0-94.3-1.7	k = 14.0967 exp(- 11381.08881/RT)	680-860		3	a,f
7.9-90.4-1.7	k = 13.6161 exp(- 11759.32874/RT)	680-860		3	a,f
8.3-90.0-1.7	k = 13.5575 exp(- 11703.2622/RT)	680-860		3	a,f
12.0-86.3-1.7	k = 14.092 exp(- 12505.76682/RT)	680-860		3	a,f
12.4-85.8-1.8	k = 13.9527 exp(- 12378.5711/RT)	680-860		3	a,f
	KCl-KPO_3				
100-0 KPO_3	k = 2.28 - 0.0105 C	1123	(313)	3	a
	KCl-K_2ZrF_6				
0-100	k = 10.888 exp(- 14804.91329/RT)	1073-1253	(314)	3	a,f
15-85	k = 6.105 exp(- 9437.16989/RT)	1073-1173		3	a,f
25-75	k = 4.987 exp(- 7548.06228/RT)	1073-1173		3	a,f
33-67	k = 7.815 exp(- 11515.39745/RT)	1073-1173		3	a,f
40-60	k = 7.413 exp(- 10838.41493/RT)	1073-1173		3	a,f
50-50	k = 9.579 exp(- 13541.32415/RT)	1073-1173		3	a,f
60-40	k = 6.735 exp(- 10064.36198/RT)	1073-1173		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
75-25	k = 10.016 exp(- 13854.71099/RT)	1073-1173		3	a,f
80-20	k = 6.411 exp(- 9543.86367/RT)	1073-1173		3	a,f
100-0	k = 6.106 exp(- 9108.72039/RT)	1073-1173	(315)	3	a,f
	$KCl-K_3PO_4$				
30-0 K_3PO_4	k = 2.275 - 0.0612 C + 7.91 x 10^{-4} C^2	1123	(316)	3	a
	$KCl-K_4P_2O_7$				
30-0 $K_4P_2O_7$	k = 2.16 - 0.1013 C + 0.00203 C^2	1123	(317)	3	a
	$KCl-LaCl_3$				
0.0-100.0	k = 11.701 exp(- 21973.06201/RT)	1170-1300	(318)	5	b,f
15.5-84.5	k = 13.476 exp(- 23584.34737/RT)	1160-1260		5	b,f
30.1-69.9	k = 13.982 exp(- 23322.00618/RT)	1090-1210		5	b,f
40.7-59.3	k = 12.72 exp(- 22688.53798/RT)	1100-1210		5	b,f
49.7-50.3	k = 11.598 exp(- 20120.35582/RT)	1080-1210		5	b,f
61.7-38.3	k = 10.876 exp(- 21400.68124/RT)	1050-1210		5	b,f
75.1-24.9	k = 9.851 exp(- 20297.76038/RT)	1060-1220		5	b,f
86.1-13.9	k = 7.351 exp(- 17211.59035/RT)	1070-1230		5	b,f
94.8-5.2	k = 5.409 exp(- 11824.18182/RT)	1080-1230		5	b,f
100.0-0.0	k = 6.075 exp(- 9736.33089/RT)	1070-1200	(319)	5	b,f
	KCl-LiCl				
0-100	k = 13.662 exp(- 6433.84444/RT)	910-1050	(320)	5	a,f
18.23-81.77	k = 13.886 exp(- 9982.35421/RT)	810-890		5	a,f
29.64-70.36	k = 19.585 exp(- 13822.91206/RT)	730-870		5	a,f
41.20-58.80	k = 23.021 exp(- 16204.90311/RT)	670-850		5	a,f
59.55-40.45	k = 13.21 exp(- 13995.71415/RT)	870-1010		5	a,f
80.04-19.96	k = 8.595 exp(- 11537.15462/RT)	990-1110		5	a,f
100-0	k = 7.004 exp(- 10176.91346/RT)	1070-1190	(321)	5	a,f
	$KCl-MgCl_2$				
0.0-100.0	k = 6.627 exp(- 15353.86327/RT)	980-1020	(322)	5	a,f
16.0-84.0	k = 6.205 exp(- 13857.22143/RT)	930-1020		5	a,f
27.9-72.1	k = 6.354 exp(- 13679.39846/RT)	880-1020		5	a,f
41.2-58.8	k = 6.938 exp(- 14209.52013/RT)	830-1020		5	a,f
48.0-52.0	k = 8.32 exp(- 15611.18358/RT)	830-1020		5	a,f
51.2-48.8	k = 6.813 exp(- 14060.14883/RT)	830-1020		5	a,f
54.5-45.5	k = 6.94 exp(- 14178.1396/RT)	830-1020		5	a,f
60.1-39.9	k = 7.904 exp(- 15227.50436/RT)	830-1020		5	a,f
63.0-37.0	k = 8.373 exp(- 15653.44268/RT)	830-1020		5	a,f
66.0-34.0	k = 8.65 exp(- 15909.92618/RT)	830-1020		5	a,f
68.2-31.8	k = 8.356 exp(- 15588.17119/RT)	830-1020		5	a,f
75.5-24.5	k = 10.015 exp(- 16793.18335/RT)	830-1020		5	a,f
78.0-22.0	k = 11.509 exp(- 17822.46457/RT)	830-1020		5	a,f
81.5-18.5	k = 10.427 exp(- 16832.0952/RT)	880-1020		5	a,f
	$KCl-MnCl_2$				
0-100	k = 4.9986 exp(- 9399.93166/RT)	940-1120	(323)	5	a,f
20-80	k = 6.276 exp(- 11925.85472/RT)	880-1120		5	a,f
30-70	k = 6.402 exp(- 12250.95696/RT)	840-1120		5	a,f
35-65	k = 6.545 exp(- 12550.11797/RT)	780-1120		5	a,f
45-55	k = 5.421 exp(- 11273.97662/RT)	780-1120		5	a,f
50-50	k = 6.077 exp(- 12489.86736/RT)	780-1120		5	a,f
55-45	k = 6.679 exp(- 13428.77267/RT)	780-1120		5	a,f
65-35	k = 6.516 exp(- 12973.54585/RT)	780-1120		5	a,f
70-30	k = 6.676 exp(- 12926.26586/RT)	780-1120		5	a,f
75-25	k = 6.616 exp(- 12506.60364/RT)	840-1120		5	a,f
80-20	k = 9.302 exp(- 15391.1015/RT)	940-1120		5	a,f
100-0	k = 7.336 exp(- 10596.57568/RT)	1080-1120	(324)	5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	KCl-NaBr				
0-100	k = 7.241 exp(- 7860.61231/RT)	1073-1123	(325)	2	a,f
10-90	k = 6.653 exp(- 7721.28278/RT)	1073-1123		2	a,f
20-80	k = 8.425 exp(- 10352.22599/RT)	1073-1123		2	a,f
30-70	k = 6.579 exp(- 8561.02563/RT)	1073-1123		2	a,f
40-60	k = 7.837 exp(- 10483.60579/RT)	1073-1123		2	a,f
50-50	k = 7.192 exp(- 9979.00695/RT)	1073-1123		2	a,f
60-40	k = 5.981 exp(- 8526.29785/RT)	1073-1123		2	a,f
70-30	k = 7.223 exp(- 10365.61502/RT)	1073-1123		2	a,f
80-20	k = 8.753 exp(- 12199.07449/RT)	1073-1123		2	a,f
90-10	k = 7.977 exp(- 11451.79959/RT)	1073-1123		2	a,f
100-0	k = 7.252 exp(- 10642.18205/RT)	1073-1123	(326)	2	a,f
	KCl-NaCl				
0.00-100.00	k = 9.017 exp(- 8236.3418/RT)	1080-1290	(327)	5	a,f
15.23-84.77	k = 8.536 exp(- 8689.89498/RT)	1040-1200		5	a,f
27.06-72.94	k = 8.459 exp(- 9350.97804/RT)	1000-1200		5	a,f
34.85-65.15	k = 8.547 exp(- 9825.03317/RT)	970-1210		5	a,f
48.77-51.23	k = 8.12 exp(- 10056.41225/RT)	940-1180		5	a,f
59.00-41.00	k = 8.213 exp(- 10557.66383/RT)	960-1180		5	a,f
79.60-20.40	k = 7.084 exp(- 9915.82749/RT)	1010-1200		5	a,f
100.00-0.00	k = 7.084 exp(- 10289.04654/RT)	1060-1190	(328)	5	a,f
	KCl-NaI				
0-100	k = 7.3557 exp(- 8919.18202/RT)	950-1070	(329)	2	a,f
15.0-85.0	k = 9.0292 exp(- 11381.08881/RT)	880-1070		2	a,f
33.3-66.7	k = 10.1966 exp(- 13053.04318/RT)	810-1070		2	a,f
50-50	k = 9.496 exp(- 13176.89165/RT)	830-1070		2	a,f
66.7-33.3	k = 10.6857 exp(- 14173.95553/RT)	850-1070		2	a,f
85.0-15.0	k = 9.5149 exp(- 13126.2644/RT)	970-1070		2	a,f
100-0	k = 9.14 exp(- 12594.0507/RT)	1060-1140	(330)	2	a,f
	KCl-Na_2SO_4				
20-80	k = 7.87138 exp(- 11714.97759/RT)	980-1060		3	a,f,o
31-69	k = 8.7359 exp(- 12581.49849/RT)	980-1060		3	a,f,o
41-59	k = 9.53875 exp(- 13946.34212/RT)	980-1060		3	a,f,o
51-49	k = 16.558 exp(- 19322.03526/RT)	920-1060		3	a,f,o
61-39	k = 14.0572 exp(- 18519.94904/RT)	920-1070		3	a,f,o
81-19	k = 11.8871 exp(- 17017.0311/RT)	980-1060		3	a,f,o
	KCl-$NdCl_3$				
100-0 $NdCl_3$	k = 73.3 - 0.562 C + 0.01763 C^2 - 3.0884 x 10^{-4} C^3 + 2.2589 x 10^{-6} C^4	1073	(331)	5	a,n,t
	KCl-$PbCl_2$				
0-100	k = 15.55 exp(- 15183.99003/RT)	780-920	(332)	5	a,f
10-90	k = 14.382 exp(- 14814.11824/RT)	780-920		5	a,f
15-85	k = 15.477 exp(- 15581.89509/RT)	700-960		5	a,f
18.07-81.93	k = 14.604 exp(- 15421.2268/RT)	700-960		5	a,f
20-80	k = 12.484 exp(- 14356.38098/RT)	700-960		5	a,f
23-77	k = 11.449 exp(- 13845.08763/RT)	700-960		5	a,f
33-67	k = 10.633 exp(- 13840.90356/RT)	700-960		5	a,f
40-60	k = 11.405 exp(- 14611.19085/RT)	700-940		5	a,f
50-50	k = 9.645 exp(- 13922.49293/RT)	740-960		5	a,f
58.33-41.67	k = 9.24 exp(- 13922.91133/RT)	780-980		5	a,f
70-30	k = 9.069 exp(- 13979.39628/RT)	780-980		5	a,f
75-25	k = 8.17 exp(- 13102.41521/RT)	780-980		5	a,f
80-20	k = 8.09 exp(- 12867.68888/RT)	780-960		5	a,f
85-15	k = 7.108 exp(- 11522.51037/RT)	960-1060		5	a,f
90-10	k = 6.861 exp(- 10775.65388/RT)	980-1060		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$KCl-PrCl_3$				
0-100	k = 14.69999 exp(- 24198.06676/RT)	1071-1262	(333)	17	k
24.9-75.1	k = 15.97074 exp(- 25154.04307/RT)	984-1250		17	k
37.0-63.0	k = 16.30655 exp(- 25135.17291/RT)	881-1242		17	k
50.3-49.7	k = 10.4017 exp(- 20645.58212/RT)	885-1244		17	k
62.2-37.8	k = 7.58338 exp(- 17290.7948/RT)	925-1227		17	k
75.0-25.0	k = 5.815425 exp(- 13389.81897/RT)	1067-1210		17	k
87.4-12.6	k = 6.205616 exp(- 11711.63034/RT)	1083-1231		17	k
100-0	k = 6.451048 exp(- 9230.1421/RT)	1095-1260	(334)	17	k
0-100 KCl	k = 77.18 - 0.4777 C + 0.012484 C^2 - 2.4683 x 10^{-4} C^3 + 2.0545 x 10^{-6} C^4	1073	(335)	5	a,n,t
	KCl-RbBr				
0-100	k = 4.4159 exp(- 10568.12401/RT)	1043-1123	(336)	2	a,f
10-90	k = 5.4011 exp(- 11967.69542/RT)	1043-1123		2	a,f
20-80	k = 5.2131 exp(- 11178.57982/RT)	1043-1123		2	a,f
30-70	k = 5.2143 exp(- 10790.29812/RT)	1043-1123		2	a,f
40-60	k = 6.0078 exp(- 11718.74326/RT)	1043-1123		2	a,f
50-50	k = 6.0082 exp(- 11241.75928/RT)	1043-1123		2	a,f
60-40	k = 6.4862 exp(- 11519.99993/RT)	1043-1123		2	a,f
70-30	k = 6.7943 exp(- 11497.82436/RT)	1043-1123		2	a,f
80-20	k = 8.9132 exp(- 13501.99389/RT)	1043-1123		2	a,f
90-10	k = 7.1561 exp(- 11016.2379/RT)	1043-1123		2	a,f
100-0	k = 6.5967 exp(- 9745.11744/RT)	1043-1123	(337)	2	a,f
	KCl-RbCl				
0-100	k = 6.246 exp(- 11673.97371/RT)	1020-1190	(338)	5	a,f
25-75	k = 6.49 exp(- 11530.87851/RT)	1060-1140		5	a,f
50-50	k = 6.508 exp(- 10928.37243/RT)	1070-1190		5	a,f
75-25	k = 6.886 exp(- 10806.19759/RT)	1070-1180		5	a,f
100-0	k = 7.165 exp(- 10404.52687/RT)	1060-1190	(339)	5	a,f
	$KCl-ScCl_3$				
30-70	k = 5.247 exp(- 14306.59055/RT)	1153-1233		5	a,f
40-60	k = 5.071 exp(- 13496.97301/RT)	1133-1233		5	a,f
50-50	k = 9.354 exp(- 18604.46726/RT)	913-1233		5	a,f
60-40	k = 6.088 exp(- 13381.49267/RT)	1073-1233		5	a,f
70-30	k = 11.944 exp(- 19606.13361/RT)	1113-1233		5	a,f
80-20	k = 9.192 exp(- 15186.50047/RT)	1073-1233		5	a,f
90-10	k = 8.451 exp(- 12983.16921/RT)	1033-1233		5	a,f
100-0	k = 6.721 exp(- 10086.53755/RT)	1073-1233	(340)	5	a,f
	$KCl-SnCl_2$				
0-100	k = 17.095 exp(- 13010.36567/RT)	573-623	(341)	5	a,f
5-95	k = 19.966 exp(- 13814.96233/RT)	573-623		5	a,f
10-90	k = 14.766 exp(- 12468.94701/RT)	573-623		5	a,f
15-85	k = 11.371 exp(- 11399.49872/RT)	573-623		5	a,f
20-80	k = 12 exp(- 11866.44093/RT)	573-623		5	a,f
25-75	k = 13.743 exp(- 12809.53031/RT)	573-623		5	a,f
30-70	k = 10.902 exp(- 12076.48124/RT)	573-623		5	a,f
35-65	k = 13.289 exp(- 13404.50506/RT)	573-623		5	a,f
40-60	k = 13.012 exp(- 14010.7768/RT)	573-623		5	a,f
45-55	k = 13.134 exp(- 15096.12456/RT)	573-623		5	a,f
50-50	k = 23.14 exp(- 18550.07435/RT)	573-623		5	a,f
52-48	k = 15.573 exp(- 16247.58062/RT)	573-623		5	a,f
55-45	(T=623 K, k=0.702)			5	a,f
	$KCl-SrCl_2$				
0-100	k = 15.197 exp(- 19663.87378/RT)	1148-1273	(342)	19	k
10-90	k = 10.68 exp(- 16806.99078/RT)	1098-1273		19	k
20-80	k = 12.011 exp(- 18481.874/RT)	1023-1273		19	k
30-70	k = 12.577 exp(- 19293.58358/RT)	948-1273		19	k

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
40-60	k = 11.606 exp(- 18762.20669/RT)	923-1273		19	k
50-50	k = 11.061 exp(- 18369.74093/RT)	923-1273		19	k
60-40	k = 10.813 exp(- 17927.90314/RT)	923-1273		19	k
70-30	k = 11.977 exp(- 18764.71714/RT)	923-1273		19	k
80-20	k = 10.114 exp(- 16109.92472/RT)	923-1273		19	k
90-10	k = 8.666 exp(- 13471.03177/RT)	973-1273		19	k
100-0	k = 6.635 exp(- 9735.49408/RT)	1073-1273	(343)	19	k
	$KCl-ThCl_4$				
0-100	k = 10.135 exp(- 25542.91054/RT)	1075-1173	(344)	24	k
24.7-75.3	k = 9.836 exp(- 24156.72815/RT)	973-1123		24	k
35.5-64.5	k = 10.792 exp(- 24355.47147/RT)	853-1123		24	k
44.1-55.9	k = 8.54 exp(- 20950.4753/RT)	723-1073		24	k
50.3-49.7	k = 8.077 exp(- 19828.72614/RT)	743-1073		24	k
58.1-41.9	k = 6.347 exp(- 17200.29336/RT)	773-1073		24	k
63.6-36.4	k = 5.366 exp(- 15177.71393/RT)	903-1073		24	k
69.5-30.5	k = 5.532 exp(- 14798.21878/RT)	973-1123		24	k
74.2-25.8	k = 6.774 exp(- 15698.21223/RT)	993-1123		24	k
79.4-20.6	k = 6.549 exp(- 14596.96501/RT)	973-1123		24	k
83.8-16.2	k = 6.768 exp(- 13878.9786/RT)	953-1123		24	k
100-0	k = 7.396 exp(- 10663.93921/RT)	1075-1173	(345)	24	k
	$KCl-TiCl_3$				
0-50 $TiCl_3$	$k = 2.304 - 0.07632\ C + 0.0030631\ C^2 - 7.0853 \times 10^{-5}\ C^3 + 6.2519 \times 10^{-7}\ C^4$	1073	(346)	5	a,n
	$KCl-UCl_3$				
49.6-50.4	k = 10.624 exp(- 22188.96002/RT)	870-1100		5	a,f
59.9-40.1	k = 5.998 exp(- 16387.32856/RT)	930-1190		5	a,f
71.2-28.8	k = 5.406 exp(- 13871.02886/RT)	970-1110		5	a,f
75.0-25.0	k = 6.412 exp(- 15343.8215/RT)	950-1060		5	a,f
81.1-18.9	k = 6.919 exp(- 14577.29988/RT)	910-1060		5	a,f
95.0-5.0	k = 5.016 exp(- 8830.47974/RT)	1060-1230		5	a,f
	$KCl-UCl_4$				
0.00-100.00	k = 5.216 exp(- 18104.05248/RT)	872-1001	(347)	5	a,f
4.47-95.53	k = 6.946 exp(- 20007.38593/RT)	870-890		5	a,f
9.66-90.34	k = 6.386 exp(- 18987.72807/RT)	850-910		5	a,f
16.74-83.26	k = 6.784 exp(- 18912.41481/RT)	840-890		5	a,f
25.76-74.24	k = 5.881 exp(- 17328.74431/RT)	800-910		5	a,f
35.65-64.35	k = 4.123 exp(- 14262.23941/RT)	830-910		5	a,f
46.30-53.70	k = 4.246 exp(- 13971.86495/RT)	840-920		5	a,f
54.38-45.62	k = 4.212 exp(- 13466.01089/RT)	850-930		5	a,f
	$KCl-YCl_3$				
0-100	k = 27.893 exp(- 34680.91942/RT)	1000-1173	(348)	25	k
19.64-80.36	k = 16.209 exp(- 27715.69809/RT)	903-1023		25	k
37.41-62.59	k = 14.224 exp(- 24870.53049/RT)	823-933		25	k
53.74-46.26	k = 19.138 exp(- 25995.2085/RT)	723-903		25	k
70.49-29.51	k = 6.968 exp(- 16524.14765/RT)	1073-1173		25	k
77.99-22.01	k = 8.521 exp(- 16781.04955/RT)	1063-1153		25	k
80-20	k = 10.379 exp(- 18399.86623/RT)	1073-1163		25	k
85.47-14.53	k = 10.876 exp(- 17808.65714/RT)	993-1143		25	k
91-9	k = 9.058 exp(- 14804.07647/RT)	1003-1153		25	k
	$KCl-ZnCl_2$				
0.00-100.00	$k = - 0.9757 + 0.0055534\ T - 1.04507 \times 10^{-5}\ T^2 + 6.5176 \times 10^{-9}\ T^3$	610-850	(349)	5	a,n
5.72-94.28	$k = 0.1026 + 6.75 \times 10^{-5}\ T - 1.6401 \times 10^{-6}\ T^2 + 2.1337 \times 10^{-9}\ T^3$	590-890		5	a,n
8.98-91.02	$k = 1.3224 - 0.0047385\ T + 4.295 \times 10^{-6}\ T^2$	590-870		5	a,n
20.80-79.20	k = 36.0389 exp(- 27997.286/RT)	590-870		5	a,f
33.80-66.20	$k = 1.1729 - 0.0075411\ T + 1.3649 \times 10^{-5}\ T^2 - 6.1321 \times 10^{-9}\ T^3$	530-850		5	a,n
47.00-53.00	$k = 1.1202 - 0.0076752\ T + 1.45618 \times 10^{-5}\ T^2 - 6.8193 \times 10^{-9}\ T^3$	510-870		5	a,n
54.10-45.90	k = 18.9544 exp(- 20846.29196/RT)	550-870		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
63.20-36.80	k = 12.718 exp(- 18099.86841/RT)	710-730		5	a,f
	$KCl-ZnSO_4$				
20.18-79.82	k = 73.9179 exp(- 42823.95645/RT)	770-820		3	a,f,o
25.56-74.44	k = 54.9721 exp(- 39565.40273/RT)	750-820		3	a,f,o
30.22-69.78	k = 47.9713 exp(- 36559.56685/RT)	750-820		3	a,f,o
31.13-68.87	k = 84.6145 exp(- 40028.57928/RT)	750-820		3	a,f,o
32.46-67.54	k = 141.21 exp(- 43572.90498/RT)	750-820		3	a,f,o
33.32-66.68	k = 90.6723 exp(- 41174.59606/RT)	770-820		3	a,f,o
34.69-65.31	k = 65.7113 exp(- 37721.48309/RT)	750-820		3	a,f,o
35.63-64.37	k = 52.9987 exp(- 35825.26256/RT)	750-820		3	a,f,o
38.00-62.00	k = 20.1236 exp(- 28811.08761/RT)	750-820		3	a,f,o
41.83-58.17	k = 24.8175 exp(- 29581.3749/RT)	750-820		3	a,f,o
44.96-55.04	k = 22.8779 exp(- 28568.82996/RT)	750-820		3	a,f,o
48.22-51.78	k = 18.9568 exp(- 26754.61721/RT)	750-820		3	a,f,o
50.71-49.29	k = 17.3144 exp(- 25469.68931/RT)	750-820		3	a,f,o
52.08-47.92	k = 19.4159 exp(- 25760.48218/RT)	750-820		3	a,f,o
52.79-47.21	k = 14.6886 exp(- 23997.31508/RT)	750-820		3	a,f,o
55.06-44.94	k = 18.3143 exp(- 25708.59971/RT)	750-820		3	a,f,o
56.87-43.13	k = 23.5663 exp(- 26409.01303/RT)	750-820		3	a,f,o
58.89-41.11	k = 17.5713 exp(- 24162.58584/RT)	750-820		3	a,f,o

For additional KCl systems, see : AgBr- ; AgCl- ; $AlBr_3$- ; $AlCl_3$- ; $BeCl_2$- ; $CaBr_2$- ; $CaCl_2$- ; $CaCrO_4$- ; $CdCl_2$- ; CsBr- ; CsCl- ; CuCl- ; $DyCl_3$- ; $ErCl_3$- ; $GaCl_3$- ; $GdCl_3$- ; KBr-

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	$KCl*NaCl-Na_2SO_4$				
20-80	k = 8.83109 exp(- 11590.29231/RT)	930-1010		3	a,f,y
41-59	k = 6.6447 exp(- 10166.87169/RT)	870-1010		3	a,f,y
51-49	k = 10.1121 exp(- 13336.72313/RT)	920-1020		3	a,f,x
61-39	k = 9.02796 exp(- 14319.14276/RT)	870-1010		3	a,f,y
61-39	k = 11.1872 exp(- 14051.36228/RT)	920-1020		3	a,f,w
61-39	k = 9.83484 exp(- 13466.01089/RT)	920-1020		3	a,f,x
66-34	k = 13.7991 exp(- 16096.9541/RT)	920-1060		3	a,f,w
71-29	k = 6.66291 exp(- 12352.62986/RT)	870-1010		3	a,f,y
71-29	k = 13.4927 exp(- 16320.38344/RT)	920-1020		3	a,f,x
	$KClO_4-KNO_3$				
0-100	k = 10.4269 exp(- 14248.01357/RT)	620-700	(350)	3	a,f
5-95	k = 10.6378 exp(- 14540.89847/RT)	620-700		3	a,f
10-90	k = 10.6699 exp(- 14712.86375/RT)	620-700		3	a,f
15-85	k = 10.1415 exp(- 14584.83121/RT)	650-700		3	a,f
20-80	k = 9.1614 exp(- 14123.74669/RT)	700-750		3	a,f
30-70	k = 8.56436 exp(- 13869.77364/RT)	700-750		3	a,f
40-60	k = 7.62372 exp(- 13135.88777/RT)	750-800		3	a,f
50-50	k = 7.00265 exp(- 12527.94239/RT)	800-875		3	a,f
	$KClO_4-LiClO_4$				
0-100	k = 14.831 exp(- 13016.64177/RT)	543-633	(351)	6	a,f
5-95	k = 14.885 exp(- 13296.97446/RT)	530-630		6	a,f
15-85	k = 15.13 exp(- 13941.32124/RT)	520-610		6	a,f
25-75	k = 12.814 exp(- 13832.53542/RT)	500-640		6	a,b,f
35-65	k = 11.637 exp(- 14037.55485/RT)	550-630		6	a,f
	$KClO_4-LiNO_3$				
0-100	k = 20.5363 exp(- 14023.74742/RT)	540-680	(352)	3	a,f
5-95	k = 18.6984 exp(- 14069.35378/RT)	540-680		3	a,f
14-86	k = 17.5962 exp(- 14731.69206/RT)	520-680		3	a,f
25-75	k = 15.9262 exp(- 15187.75569/RT)	580-680		3	a,f
40-60	k = 13.3639 exp(- 15460.13865/RT)	660-680		3	a,f
50-50	k = 11.9924 exp(- 15646.74817/RT)	660-680		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
		$KClO_4$-$NaNO_3$				
0-100	k = 11.2715 exp(- 11798.65899/RT)		600-680	(353)	3	a,f
10-90	k = 12.2734 exp(- 12909.94799/RT)		560-680		3	a,f
22-78	k = 11.9965 exp(- 13413.29161/RT)		540-680		3	a,f
40-60	k = 10.3001 exp(- 13787.76587/RT)		640-680		3	a,f
		$KC_2H_3O_2$				
100	k = 31.8579 exp(- 24562.58294/RT)		580-600		3	a,f
For additional $KC_2H_3O_2$ systems, see : $KCHO_2$-						
		KF				
100	k = 10.002 exp(- 9731.72841/RT)		1132-1285	±5%	1	a,f
		KF-KI				
0-100	k = 4.4871 exp(- 9729.21797/RT)		970-1180	(354)	2	a,f
12-88	k = 6.3283 exp(- 13193.20952/RT)		980-1200		2	a,f
25-75	k = 6.922 exp(- 13665.17262/RT)		980-1220		2	a,f
37-63	k = 7.5046 exp(- 14107.01041/RT)		1000-1190		2	a,f
50-50	k = 6.048 exp(- 11484.85374/RT)		1030-1280		2	a,f
63-37	k = 6.9949 exp(- 12176.06211/RT)		1040-1290		2	a,f
75-25	k = 7.0164 exp(- 10955.15048/RT)		1110-1310		2	a,f
88-12	k = 10.0541 exp(- 12668.52715/RT)		1120-1300		2	a,f
100-0	k = 9.2835 exp(- 9774.82433/RT)		1160-1270	(355)	2	a,f
		KF-K_2SiF_6				
47.7-52.3	k = 7.12223 exp(- 14375.62771/RT)		1100-1170		3	a,f
		KF-K_2ZrF_6				
0-100	k = 10.888 exp(- 14804.91329/RT)		1073-1253	(356)	3	a,d,f
10-90	k = 6.774 exp(- 9507.46226/RT)		1233-1253		3	a,d,f
20-80	k = 6.813 exp(- 9079.85031/RT)		1233-1253		3	a,d,f
25-75	k = 8.45 exp(- 10755.15194/RT)		1233-1253		3	a,d,f
30-70	k = 6.896 exp(- 8363.95593/RT)		1233-1253		3	a,d,f
33-67	k = 6.933 exp(- 8121.27987/RT)		1233-1253		3	a,d,f
40-60	k = 8.47 exp(- 9449.7221/RT)		1233-1253		3	a,d,f
50-50	k = 13.984 exp(- 13331.28383/RT)		1233-1253		3	a,d,f
60-40	k = 13.855 exp(- 12892.37489/RT)		1233-1253		3	a,d,f
67-33	k = 10.237 exp(- 8941.35759/RT)		1233-1253		3	a,d,f
75-25	k = 15.452 exp(- 12268.53005/RT)		1233-1253		3	a,d,f
80-20	k = 15.343 exp(- 11829.62111/RT)		1233-1253		3	a,d,f
90-10	k = 17.107 exp(- 12014.1386/RT)		1233-1253		3	a,d,f
100-0	k = 20.84 exp(- 13007.85522/RT)		1233-1253	(357)	3	a,d,f
		KF-LaF_3				
60.0-40.0	k = 21.817 exp(- 24387.68881/RT)		1200-1340		14	a,f
70.0-30.0	k = 19.436 exp(- 22619.91923/RT)		1050-1340		14	a,f
80.0-20.0	k = 15.378 exp(- 18633.33734/RT)		1080-1340		14	a,f
90.0-10.0	k = 11.519 exp(- 13422.91497/RT)		1080-1340		14	a,f
100.0-0.0	k = 9.9064 exp(- 9248.04992/RT)		1140-1340	(358)	14	a,f
		KF-LiF				
0.0-100.0	k = 20.471 exp(- 7768.14436/RT)		1150-1340	(359)	14	a,f
15.0-85.0	k = 18.447 exp(- 10859.33528/RT)		1130-1340		14	a,f
30.0-70.0	k = 15.529 exp(- 12140.91592/RT)		1100-1340		14	a,f
50.0-50.0	k = 15.206 exp(- 13819.5648/RT)		1020-1340		14	a,f
65.0-35.0	k = 13.564 exp(- 12958.4832/RT)		1020-1340		14	a,f
80.0-20.0	k = 11.475 exp(- 11219.58371/RT)		1110-1340		14	a,f
100.0-0.0	k = 9.9064 exp(- 9248.04992/RT)		1140-1340	(360)	14	a,f
		KF-NaCl				
33.4-66.6	k = 46.4832 exp(- 24515.30294/RT)		990-1270		2	a,f
50-50	k = 33.9363 exp(- 20972.23247/RT)		1000-1230		2	a,f
66.7-33.3	k = 44.9363 exp(- 23248.78496/RT)		990-1200		2	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	KF-NaF				
0.0-100.0	k = 21.451 exp(- 15165.16172/RT)	1310-1340	(361)	14	a,f
20.0-80.0	k = 11.811 exp(- 10128.37825/RT)	1230-1340		14	a,f
40.0-60.0	k = 11.617 exp(- 10435.90739/RT)	1110-1340		14	a,f
60.0-40.0	k = 11.719 exp(- 11340.92174/RT)	1050-1340		14	a,f
75.0-25.0	k = 13.199 exp(- 12183.59343/RT)	1080-1340		14	a,f
88.0-12.0	k = 11.604 exp(- 11025.02445/RT)	1090-1340		14	a,f
100.0-0.0	k = 9.9064 exp(- 9248.04992/RT)	1140-1340	(362)	14	a,f
	KF-SmF_3				
50.0-50.0	k = 22.366 exp(- 26967.16796/RT)	1250-1340		14	a,f
60.0-40.0	k = 18.141 exp(- 24606.09726/RT)	1130-1340		14	a,f
70.0-30.0	k = 11.638 exp(- 18849.65376/RT)	1190-1340		14	a,f
80.0-20.0	k = 12.966 exp(- 17829.9959/RT)	1110-1340		14	a,f
90.0-10.0	k = 14.764 exp(- 16065.99199/RT)	1070-1340		14	a,f
100.0-0.0	k = 9.9064 exp(- 9248.04992/RT)	1140-1340	(363)	14	a,f
	KF-ThF_4				
72.5-27.5	k = 12.797 exp(- 21500.2621/RT)	1130-1340		14	a,f
80.3-19.7	k = 11.572 exp(- 18215.34875/RT)	1170-1340		14	a,f
86.3-13.7	k = 10.841 exp(- 14865.5823/RT)	1150-1340		14	a,f
92.9-7.1	k = 11.436 exp(- 13408.27072/RT)	1110-1340		14	a,f
100.0-0.0	k = 9.9064 exp(- 9248.04992/RT)	1140-1340	(364)	14	a,f
	KF-UF_4				
50.0-50.0	k = 9.48 exp(- 18083.13213/RT)	1110-1340		14	a,f
60.0-40.0	k = 7.276 exp(- 16757.20035/RT)	1180-1340		14	a,f
70.0-30.0	k = 10.136 exp(- 19379.77543/RT)	1210-1340		14	a,f
80.0-20.0	k = 10.24 exp(- 16785.65203/RT)	1220-1340		14	a,f
92.5-7.5	k = 9.8937 exp(- 12047.19275/RT)	1170-1340		14	a,f
100.0-0.0	k = 9.9064 exp(- 9248.04992/RT)	1140-1340	(365)	14	a,f
	KF-YF_3				
47.5-52.5	k = 31.038 exp(- 31023.20542/RT)	1150-1340		14	a,f
57.5-42.5	k = 16.968 exp(- 25555.46275/RT)	1240-1340		14	a,f
70.0-30.0	k = 12.414 exp(- 21546.70528/RT)	1230-1340		14	a,f
82.5-17.5	k = 11.64 exp(- 16451.34483/RT)	1210-1340		14	a,f
92.5-7.5	k = 9.4097 exp(- 11143.01522/RT)	1130-1340		14	a,f
100.0-0.0	k = 9.9064 exp(- 9248.04992/RT)	1140-1340	(366)	14	a,f
	KF-ZrF_4				
0.0-33.3 ZrF_4	k = 5.85 - 0.04785 C - 0.001579 C^2	1233	(367)	14	a,n
For additional KF systems, see : AlF_3- ; CeF_3- ; KBF_4- ; KBr- ; KCl-					
	KI				
100	k = 4.846 exp(- 10405.78209/RT)	959-1184	±2.5%	1	a,f
	KI-LaI_3				
0-100	k = 10.544 exp(- 27770.5094/RT)	1093-1193	(368)	4	a,f
10-90	k = 7.053 exp(- 23405.68758/RT)	1093-1193		4	a,f
20-80	k = 6.61 exp(- 22273.89665/RT)	1093-1193		4	a,f
30-70	k = 5.107 exp(- 19192.32909/RT)	1093-1193		4	a,f
40-60	k = 4.847 exp(- 18104.8893/RT)	1093-1193		4	a,f
50-50	k = 4.508 exp(- 16737.11681/RT)	1093-1193		4	a,f
60-40	k = 4.293 exp(- 15523.31811/RT)	1093-1193		4	a,f
70-30	k = 8.156 exp(- 20417.00638/RT)	1093-1193		4	a,f
80-20	k = 5.297 exp(- 15150.51747/RT)	1093-1193		4	a,f
90-10	k = 6.295 exp(- 14924.57769/RT)	1093-1193		4	a,f
100-0	k = 6.291 exp(- 12717.48077/RT)	1093-1193	(369)	4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	KI-LiI				
0.0-100.0	k = 10.028 exp(- 5864.39251/RT)	770-910	(370)	4	a,f
28.4-71.6	k = 7.066 exp(- 7314.17277/RT)	860-1010		4	a,f
35.0-65.0	k = 6.362 exp(- 7649.31677/RT)	880-1020		4	a,b,f
48.6-51.4	k = 5.481 exp(- 7855.17302/RT)	910-1090		4	a,b,f
75.9-24.1	k = 6.392 exp(- 11088.62231/RT)	920-1040		4	a,f
77.0-23.0	k = 6.67 exp(- 12171.04122/RT)	920-1040		4	a,f
100.0-0.0	k = 5.187 exp(- 10981.51012/RT)	1000-1160	(371)	4	a,b,f
	KI-NaCl				
15.0-85.0	k = 13.2081 exp(- 13018.73381/RT)	1000-1070		2	a,f
30.0-70.0	k = 11.0078 exp(- 12852.62623/RT)	920-1070		2	a,f
50.0-50.0	k = 9.6113 exp(- 13173.5444/RT)	830-1070		2	a,f
70.0-30.0	k = 8.9337 exp(- 13719.98394/RT)	850-1070		2	a,f
85.0-15.0	k = 7.8236 exp(- 13423.75178/RT)	910-1070		2	a,f
100-0	k = 5.803 exp(- 11917.48658/RT)	970-1070	(372)	2	a,f
	KI-NaI				
0-100	k = 5.414 exp(- 6393.25896/RT)	950-1120	(373)	4	a,f
20-80	k = 5.299 exp(- 7515.84494/RT)	950-1120		4	a,f
40-60	k = 5.041 exp(- 8140.945/RT)	950-1120		4	a,f
60-40	k = 4.969 exp(- 9037.5912/RT)	950-1120		4	a,f
80-20	k = 4.946 exp(- 9852.64804/RT)	950-1120		4	a,f
100-0	k = 5.236 exp(- 11046.78161/RT)	980-1120	(374)	4	a,f
	KI-NdI_3				
0-100	k = 9.437 exp(- 28271.34258/RT)	1093-1197	(375)	4	a,f
10-90	k = 5.329 exp(- 21966.3675/RT)	1093-1197		4	a,f
20-80	k = 2.716 exp(- 14952.19255/RT)	1093-1197		4	a,f
30-70	k = 4.367 exp(- 18507.81524/RT)	1093-1197		4	a,f
40-60	k = 4.843 exp(- 18852.1642/RT)	1093-1197		4	a,f
50-50	k = 5.181 exp(- 18630.40849/RT)	1093-1197		4	a,f
60-40	k = 4.156 exp(- 15581.89509/RT)	1093-1197		4	a,f
70-30	k = 6.274 exp(- 18321.20572/RT)	1093-1197		4	a,f
80-20	k = 5.542 exp(- 15574.36376/RT)	1093-1197		4	a,f
90-10	k = 5.442 exp(- 13389.86081/RT)	1093-1197		4	a,f
100-0	k = 6.291 exp(- 12717.48077/RT)	1093-1197	(376)	4	a,f
	KI-PbI_2				
0-100	k = 6.445 exp(- 14150.52474/RT)	730-970	(377)	4	a,f
10-90	k = 6.413 exp(- 14402.82416/RT)	680-970		4	a,f
20-80	k = 6.612 exp(- 14888.17628/RT)	650-970		4	a,f
30-70	k = 6.523 exp(- 15039.63962/RT)	650-970		4	a,f
33-67	k = 7.215 exp(- 15900.30281/RT)	650-970		4	a,f
40-60	k = 7.448 exp(- 16065.57358/RT)	650-970		4	a,f
50-50	k = 6.906 exp(- 15964.73749/RT)	780-970		4	a,f
60-40	k = 6.709 exp(- 15589.84482/RT)	830-970		4	a,f
80-20	k = 5.696 exp(- 13337.14153/RT)	930-970		4	a,f
100-0	k = 5.236 exp(- 11046.78161/RT)	980-1120	(378)	4	a,f
	KI-RbI				
0-100	k = 4.132 exp(- 11789.45404/RT)	950-1100	(379)	4	a,f
50-50	k = 4.645 exp(- 11557.23815/RT)	950-1120		4	a,f
100-0	k = 4.964 exp(- 10587.37073/RT)	1000-1170	(380)	4	a,f
	KI-TlI				
0-100	k = 4.647 exp(- 12718.73599/RT)	913-970	(381)	4	a,f
10-90	k = 4.68 exp(- 12859.32074/RT)	913-970		4	a,f
20-80	k = 4.647 exp(- 12718.73599/RT)	913-970		4	a,f
30-70	k = 6.468 exp(- 15055.95749/RT)	913-970		4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
40-60	k = 8.622 exp(- 16904.47961/RT)	913-970		4	a,f
50-50	k = 9.512 exp(- 17252.17583/RT)	913-970		4	a,f
60-40	k = 4.986 exp(- 11971.87949/RT)	913-970		4	a,f
70-30	k = 4.917 exp(- 11648.03247/RT)	913-970		4	a,f
80-20	k = 5.599 exp(- 12422.08542/RT)	913-970		4	a,f
90-10	k = 7.26 exp(- 14188.59978/RT)	913-970		4	a,f
100-0	k = 8.01 exp(- 14602.82271/RT)	970-1050	(382)	4	a,f
	$KI-ZnSO_4$				
37.00-63.00	k = 107.292 exp(- 40851.58585/RT)	710-750		3	a,f,o
39.64-60.36	k = 140.141 exp(- 41760.78426/RT)	710-750		3	a,f,o
42.50-57.50	k = 199.817 exp(- 43639.8501/RT)	710-750		3	a,f,o
45.09-54.91	k = 60.6334 exp(- 35594.3019/RT)	710-750		3	a,f,o
47.42-52.58	k = 87.4444 exp(- 36942.40925/RT)	710-750		3	a,f,o
50.00-50.00	k = 56.1051 exp(- 33252.47792/RT)	710-750		3	a,f,o
For additional KI systems, see : AlI_3- ; CdI_2- ; DyI_3- ; GdI_3- ; HgI_2- ; KBr- ; KCl- ; KF-					
	KNO_2				
100	k = 9.3374 exp(- 11922.50747/RT)	713-743	±5%	1	a,f
	KNO_2-NaNO_2				
0-100	k = 16.185 exp(- 11794.89333/RT)	580-610	(383)	7	a,f
5-95	k = 13.992 exp(- 11279.41591/RT)	580-630		7	a,f
10-90	k = 13.396 exp(- 11252.63786/RT)	580-630		7	a,f
15-85	k = 13.534 exp(- 11476.90401/RT)	580-650		7	a,f
20-80	k = 13.444 exp(- 11605.77337/RT)	580-650		7	a,f
25-75	k = 12.997 exp(- 11558.91178/RT)	580-670		7	a,f
30-70	k = 13.671 exp(- 11966.4402/RT)	580-670		7	a,f
35-65	k = 13.392 exp(- 12016.64904/RT)	580-670		7	a,f
40-60	k = 12.862 exp(- 11916.23136/RT)	580-690		7	a,f
45-55	k = 12.448 exp(- 11878.57473/RT)	580-710		7	a,f
50-50	k = 12.366 exp(- 11970.62427/RT)	580-710		7	a,f
55-45	k = 11.904 exp(- 11945.51985/RT)	580-730		7	a,f
60-40	k = 11.179 exp(- 11782.34112/RT)	580-730		7	a,f
65-35	k = 10.616 exp(- 11652.63495/RT)	610-730		7	a,f
70-30	k = 10.701 exp(- 11872.29863/RT)	620-730		7	a,f
75-25	k = 10.638 exp(- 12012.46497/RT)	640-650		7	a,f
75-25	k = 10.6117 exp(- 11996.5655/RT)	650-730		7	a,f
80-20	k = 10.427 exp(- 12058.48974/RT)	660-730		7	a,f
90-10	k = 8.95 exp(- 11376.48633/RT)	700-730		7	a,f
100-0	k = 7.809 exp(- 10835.48608/RT)	720-730	(384)	7	a,f
For additional KNO_2 systems, see : $Ba(NO_2)_2$- ; $Ba(NO_3)_2$- ; $Ca(NO_2)_2$-					
	KNO_3				
100	k = 9.1025 exp(- 13587.34892/RT)	615-780	±0.5%	3	d
	$KNO_3-K_2Cr_2O_7$				
0-100	k = 200.559 exp(- 38951.18126/RT)	675-740	(385)	3	a,f
5-95	k = 559.287 exp(- 45116.82681/RT)	620-740		3	a,f
10-90	k = 65.1919 exp(- 32480.0986/RT)	620-740		3	a,f
15-85	k = 27.4194 exp(- 27056.28866/RT)	680-740		3	a,f
20-80	k = 44.7488 exp(- 29647.48321/RT)	620-740		3	a,f
25-75	k = 41.9939 exp(- 28910.66848/RT)	620-740		3	a,f
30-70	k = 35.0968 exp(- 27504.82096/RT)	620-740		3	a,f
35-65	k = 35.2894 exp(- 27180.13713/RT)	620-740		3	a,f
40-60	k = 36.2606 exp(- 26917.79594/RT)	620-740		3	a,f
45-55	k = 28.7752 exp(- 25309.02102/RT)	620-740		3	a,f
50-50	k = 39.0077 exp(- 26580.9783/RT)	620-740		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
55-45	k = 32.5982 exp(- 25310.69465/RT)	620-740		3	a,f
60-40	k = 23.4933 exp(- 23163.84833/RT)	620-740		3	a,f
65-35	k = 20.704 exp(- 22018.66838/RT)	620-740		3	a,f
70-30	k = 17.1904 exp(- 20113.2429/RT)	620-740		3	a,f
75-25	k = 14.6339 exp(- 18913.67003/RT)	620-740		3	a,f
80-20	k = 12.2857 exp(- 17229.58185/RT)	620-740		3	a,f
85-15	k = 12.5622 exp(- 16960.12775/RT)	620-740		3	a,f
90-10	k = 11.4838 exp(- 15988.16828/RT)	620-740		3	a,f
100-0	k = 15.1672 exp(- 17038.78826/RT)	620-740	(386)	3	a,f
	KNO_3-$LiClO_4$				
0-100	k = 13.8486 exp(- 12768.52642/RT)	520-690	(387)	3	a,f
16-84	k = 13.4963 exp(- 13867.68161/RT)	480-680		3	a,f
30-70	k = 12.886 exp(- 15003.23821/RT)	580-680		3	a,f
50-50	k = 11.2744 exp(- 15228.34117/RT)	680-700		3	a,f
70-30	k = 10.0832 exp(- 15226.66754/RT)	660-700		3	a,f
85-15	k = 10.6026 exp(- 14991.94122/RT)	580-680		3	a,f
100-0	k = 9.67396 exp(- 13672.70395/RT)	620-690	(388)	3	a,f
	KNO_3-$LiNO_3$				
0-100	k = 20.354 exp(- 14108.26563/RT)	560-630	(389)	7	a,b,f
25.20-74.80	k = 15.343 exp(- 13794.87879/RT)	560-640		7	a,f
49.88-50.12	k = 12.507 exp(- 13736.30181/RT)	560-700		7	a,f
76.69-23.31	k = 13.291 exp(- 14870.18478/RT)	550-690		7	a,f
100-0	k = 10.709 exp(- 14363.91231/RT)	630-690	(390)	7	a,f
	KNO_3-$NaClO_4$				
36-64	k = 9.03238 exp(- 13097.81273/RT)	670-710		3	a,f
45-55	k = 9.31567 exp(- 13575.21512/RT)	670-710		3	a,f
70-30	k = 8.53984 exp(- 13636.30254/RT)	630-690		3	a,f
86-14	k = 9.63857 exp(- 13914.54319/RT)	590-690		3	a,f
100-0	k = 9.67396 exp(- 13672.70395/RT)	620-690	(391)	3	a,f
	KNO_3-$NaNO_2$				
0-100	k = 20.0381 exp(- 15341.31106/RT)	623-683	(392)	7	a,g
20-80	k = 27.7674 exp(- 17417.4466/RT)	623-683		7	a,g
40-60	k = 30.3498 exp(- 18348.82058/RT)	623-683		7	a,g
60-40	k = 23.6753 exp(- 17481.88127/RT)	623-683		7	a,g
80-20	k = 18.5788 exp(- 16753.85309/RT)	623-683		7	a,g
100-0	k = 8.06341 exp(- 12804.92783/RT)	623-683	(393)	7	a,g
	KNO_3-$NaNO_3$				
0-100	k = 10.228 exp(- 11200.75539/RT)	610-720	(394)	7	a,f
24.91-75.09	k = 12.751 exp(- 13217.47713/RT)	580-670		7	a,f
49.69-50.31	k = 12.695 exp(- 13987.34601/RT)	560-690		7	a,f
75.15-24.85	k = 12.337 exp(- 14522.90697/RT)	560-690		7	a,f
100-0	k = 10.709 exp(- 14363.91231/RT)	630-690	(395)	7	a,f
	KNO_3-$RbNO_3$				
0-100	k = 9.3443 exp(- 15261.81373/RT)	590-670	(396)	7	a,f
10-90	k = 9.8759 exp(- 15379.3861/RT)	590-670		7	a,f
15-85	k = 9.4614 exp(- 15146.3334/RT)	590-670		7	a,f
20-80	k = 10.231 exp(- 15464.32272/RT)	570-670		7	a,f
25-75	k = 10.661 exp(- 15621.22535/RT)	570-670		7	a,f
30-70	k = 11.016 exp(- 15746.74745/RT)	570-670		7	a,f
32.5-67.5	k = 11.616 exp(- 15949.67484/RT)	570-670		7	a,f
35-65	k = 11.189 exp(- 15750.93152/RT)	570-670		7	a,f
37.5-62.5	k = 11.47 exp(- 15824.15274/RT)	570-670		7	a,f
40-60	k = 11.36 exp(- 15722.06143/RT)	570-670		7	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
45-55	k = 11.243 exp(- 15606.5811/RT)	570-670		7	a,f
50-50	k = 10.311 exp(- 15033.36351/RT)	590-670		7	a,f
55-45	k = 11.444 exp(- 15522.8997/RT)	570-670		7	a,f
60-40	k = 11.518 exp(- 15485.24307/RT)	570-670		7	a,f
65-35	k = 10.983 exp(- 15137.96526/RT)	590-670		7	a,f
70-30	k = 10.782 exp(- 14949.68211/RT)	590-670		7	a,f
80-20	k = 10.424 exp(- 14573.11581/RT)	590-670		7	a,f
85-15	k = 10.944 exp(- 14765.58303/RT)	610-670		7	a,f
90-10	k = 10.9 exp(- 14690.26977/RT)	610-670		7	a,f
100-0	k = 11.548 exp(- 14782.31931/RT)	610-670	(397)	7	a,f
	KNO_3-$Sr(NO_3)_2$				
70-30	k = 12.627 exp(- 17600.29046/RT)	660-720		7	a,f
78.5-21.5	k = 11.356 exp(- 16391.93104/RT)	660-720		7	a,f
90-10	k = 11.572 exp(- 15631.68552/RT)	590-720		7	a,f
100-0	k = 10.824 exp(- 14522.90697/RT)	620-730	(398)	7	a,f
	KNO_3-TlBr				
0-100 TlBr	k = 1.2289 - 0.00733 C + 5.3 x 10^{-5} C^2	823	(399)	3	a
	KNO_3-TlCl				
100-0 KNO_3	k = 1.084 - 0.00708 C + 5.3 x 10^{-5} C^2	703	(400)	3	a
	KNO_3-$TlNO_3$				
0-100	k = 8.0256 exp(- 12510.3693/RT)	480-620	(401)	7	a,f
20-80	k = 10.112 exp(- 13778.14251/RT)	470-620		7	a,f
40-60	k = 10.948 exp(- 14296.96719/RT)	500-620		7	a,f
60-40	k = 10.788 exp(- 14351.3601/RT)	550-620		7	a,f
70-30	k = 11.157 exp(- 14577.29988/RT)	570-630		7	a,f
80-20	k = 11.708 exp(- 14857.63257/RT)	593-633		7	a,f
100-0	k = 12.11 exp(- 15066.83607/RT)	610-670	(402)	7	a,f
For additional KNO_3 systems, see : $AgNO_3$- ; $Ba(NO_2)_2$- ; $Ba(NO_3)_2$- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$- ; $CoBr_2$- ; $CoCl_2$- ; $CsNO_3$- ; KBr- ; $KClO_4$-					
	KOH				
100	k = 13.2638 exp(- 9324.6184/RT)	680-860	n.a.	3	d
	KOH-K_2CO_3				
91.5-8.5	k = 15.127 exp(- 11617.90717/RT)	680-860		3	a,f
93.3-6.7	k = 14.3936 exp(- 11179.41663/RT)	680-860		3	a,f
95.7-4.3	k = 14.1995 exp(- 10846.36466/RT)	680-860		3	a,f
96.0-4.0	k = 14.2134 exp(- 10807.45281/RT)	680-860		3	a,f
97.5-2.5	k = 13.9842 exp(- 10444.69394/RT)	680-860		3	a,f
97.9-2.1	k = 13.6403 exp(- 10031.30783/RT)	680-860		3	a,f
98.3-1.7	k = 12.8682 exp(- 9646.37339/RT)	680-860		3	a,f
100-0	k = 13.2638 exp(- 9324.6184/RT)	680-860	(403)	3	a,f
	KOH-K_2CO_3-K_2SiO_3				
92.0-1.8-6.2	k = 10.8847 exp(- 9934.2374/RT)	780-870		3	a,f
94.2-1.8-4.0	k = 11.5752 exp(- 9867.29228/RT)	780-870		3	a,f
96.4-1.7-1.9	k = 12.9211 exp(- 10142.18568/RT)	780-870		3	a,f
For additional KOH systems, see : CaO- ; KCl-					
	KPO_3				
100	k = 6.479 exp(- 20652.56952/RT)	1155-1225	±5%	6	a,f
	KPO_3-WO_3				
50-50	k = 20237.1 exp(- 1.1225022996 x 10^5/RT)	1080-1220		3	a,f
55-45	k = - 1.2453 + 0.0012812 T	1020-1220		3	a,f
60-40	k = 706.605 exp(- 75698.19444/RT)	1020-1220		3	a,f
65-35	k = 56.4301 exp(- 49179.55878/RT)	1020-1220		3	a,f
70-30	k = 217.963 exp(- 60539.30883/RT)	1020-1220		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
75-25	k = 84.6225 exp(- 49602.14985/RT)	1020-1220		3	a,f
80-20	k = 23.82 exp(- 36355.38423/RT)	1020-1220		3	a,f
85-15	k = 31.8855 exp(- 39426.49161/RT)	1020-1220		3	a,f
90-10	k = - 34.3521 + 0.0578761 T - 2.39131 x 10^{-5} T^2	1080-1220		3	a,f
95-5	k = 17.1662 exp(- 32167.13016/RT)	1120-1220		3	a,f
100-0	k = 26.2 exp(- 35430.70476/RT)	1120-1220	(404)	3	a,f
	KSCN				
100	k = 100 exp(- 24476.8095/RT)	450-510	±2%	1	a,f
	KVO_3-V_2O_5				
9.4-90.6	k = 10.2254 exp(- 35144.93278/RT)	910-1250		3	a,f
18.0-82.0	k = 7.21494 exp(- 28807.74036/RT)	1000-1250		3	a,f
24.4-75.6	k = 9.96252 exp(- 29755.01381/RT)	910-1250		3	a,f
32.2-67.8	k = 10.2106 exp(- 28289.33408/RT)	835-1250		3	a,f
40.4-59.6	k = 6.6553 exp(- 22772.63779/RT)	835-1250		3	a,f
44.6-55.4	k = 7.34791 exp(- 22511.13341/RT)	835-1250		3	a,f
50.0-50.0	k = 6.15963 exp(- 20307.38375/RT)	835-1250		3	a,f
	K_2CO_3				
100	k = 11.027 exp(- 16489.41987/RT)	1184-1279	±1.5%	1	a,c,f
	K_2CO_3-Li_2CO_3				
0-100	k = 29.22 exp(- 16485.2358/RT)	1013-1153	(405)	6	a
10-90	k = 26.46 exp(- 16861.8021/RT)	1133-1260		6	a
20-80	k = 23.37 exp(- 17196.5277/RT)	1034-1246		6	a
30-70	k = 20.27 exp(- 17489.4126/RT)	1001-1239		6	a
40-60	k = 16.63 exp(- 17740.4568/RT)	993-1227		6	a
50-50	k = 14.96 exp(- 18117.0231/RT)	1013-1222		6	a
57.3-42.7	k = 14.56 exp(- 18075.1824/RT)	1013-1223		6	a
60-40	k = 14.49 exp(- 18075.1824/RT)	1003-1197		6	a
70-30	k = 13.32 exp(- 17489.4126/RT)	973-1193		6	a
80-20	k = 11.41 exp(- 16276.0323/RT)	972-1165		6	a
90-10	k = 10.85 exp(- 16066.8288/RT)	996-1136		6	a
100-0	k = 10.52 exp(- 16024.9881/RT)	1178-1281	(406)	6	a
	K_2CO_3-Li_2CO_3-Na_2CO_3				
16.7-50.0-33.3	k = 38.236 exp(- 24727.8537/RT)	850-1120		6	a
25.0-43.5-31.5	k = 83.819 exp(- 30899.35695/RT)	670-1000	(407)	6	a
30-40-30	k = 32.777 exp(- 24702.74928/RT)	850-1120		6	a
33.4-33.3-33.3	k = 27.208 exp(- 23510.28933/RT)	850-1120		6	a
	K_2CO_3-Li_2SO_4				
90-10 Li_2SO_4	k = 1.049 - 0.01314 C + 2.265 x 10^{-4} C^2	1173		3	a
	K_2CO_3-Na_2CO_3				
0-100	k = 14.12 exp(- 15020.8113/RT)	1145-1238	(408)	6	a
10-90	k = 13.95 exp(- 15481.059/RT)	1143-1254		6	a
20-80	k = 13.65 exp(- 15899.466/RT)	1086-1236		6	a
30-70	k = 13.2 exp(- 16359.7137/RT)	1071-1222		6	a
40-60	k = 12.98 exp(- 16694.4393/RT)	1073-1230		6	a
42-58	k = 12.38 exp(- 16359.7137/RT)	1043-1226		6	a
50-50	k = 12.2 exp(- 16317.873/RT)	1044-1230		6	a
60-40	k = 11.79 exp(- 16150.5102/RT)	1047-1246		6	a
70-30	k = 11.49 exp(- 16192.3509/RT)	1076-1237		6	a
80-20	k = 11.32 exp(- 16234.1916/RT)	1148-1258		6	a
90-10	k = 10.85 exp(- 16108.6695/RT)	1157-1250		6	a
100-0	k = 10.52 exp(- 16024.9881/RT)	1178-1281	(409)	6	a
For additional K_2CO_3 systems, see : CaO-KOH- ; KCl-KOH- ; KOH-					
	$K_2Cr_2O_7$				
100	k = 73 exp(- 32635.746/RT)	675-870	±5%	1	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional $K_2Cr_2O_7$ systems, see : KNO_3-						
		K_2MoO_4				
100	k = 4.72 exp(- 13549.69229/RT)		1205-1270	±3%	6	a,f
		K_2MoO_4-Li_2MoO_4				
0-100	k = 23.532 exp(- 18938.77445/RT)		1013-1145	(410)	6	a,f
19.9-80.1	k = 10.539 exp(- 19475.17222/RT)		930-1130		6	a,f
33-67	k = 17.399 exp(- 24544.17303/RT)		870-1070		6	a,f
39.3-60.7	k = 32.16 exp(- 31173.83194/RT)		890-1030		6	a,f
50-50	k = 16.398 exp(- 26093.11574/RT)		890-1070		6	a,f
53.4-46.6	k = 31.589 exp(- 32688.88369/RT)		910-1050		6	a,f
60-40	k = 13.77 exp(- 25229.9421/RT)		870-1070		6	a,f
79.9-20.1	k = 7.2791 exp(- 19224.96484/RT)		1073-1200		6	a,f
100-0	k = 8.5676 exp(- 19756.34173/RT)		1207-1281	(411)	6	a,f
		K_2MoO_4-MoO_3				
0-100	k = 1.568 exp(- 7518.77379/RT)		1110-1150	(412)	3	a,f
11.37-88.63	k = 9.29199 exp(- 23370.12299/RT)		1040-1070		3	a,f
18.65-81.35	k = 17.7629 exp(- 28620.71243/RT)		890-1070		3	a,f
22.65-77.35	k = 11.6451 exp(- 24923.66818/RT)		930-1130		3	a,f
31.46-68.54	k = 12.3483 exp(- 25004.83913/RT)		950-1040		3	a,f
39.80-60.20	k = 9.44673 exp(- 23281.83911/RT)		930-1060		3	a,f
47.56-52.44	k = 10.5245 exp(- 24447.1026/RT)		860-980		3	a,f
69.87-30.13	k = 6.0236 exp(- 17499.03596/RT)		1100-1190		3	a,f
85.87-14.13	k = 7.41541 exp(- 19278.10253/RT)		1160-1250		3	a,f
100-0	k = 4.72 exp(- 13549.69229/RT)		1210-1250	(413)	3	a,f
		K_2S-SnS				
10-90	k = 1547.16 exp(- 57777.82263/RT)		1020-1230		6	a,f
20-80	k = 103.014 exp(- 40933.59362/RT)		1020-1230		6	a,f
30-70	k = 20.1 exp(- 27913.6046/RT)		1020-1230		6	a,f
40-60	k = 14.5328 exp(- 25833.28499/RT)		920-1230		6	a,f
50-50	k = 12.4683 exp(- 24294.38405/RT)		923-1223		6	a,f
60-40	k = 25.362 exp(- 28025.31927/RT)		1123-1223		6	a,f
For additional K_2S systems, see : As_2S_3- ; Bi_2S_3- ; GeS_2-						
		K_2SiF_6				
For K_2SiF_6 systems, see : KF-						
		K_2SiO_3				
For K_2SiO_3 systems, see : KOH-K_2CO_3-						
		K_2SO_4				
100	k = 7.949 exp(- 16017.45677/RT)		1341-1360	±3%	1	a,f
		K_2SO_4-K_2WO_4				
50-50	k = 9.3355 exp(- 19385.21472/RT)		1200-1270		3	a,f
		K_2SO_4-Li_2CO_3				
80-10 K_2SO_4	k = 2.64 - 0.07332 C + 9.919 x 10^{-4} C^2 - 4.47 x 10^{-6} C^3		1173		3	a
		K_2SO_4-Li_2SO_4				
0.25-99.75	k = 17.804 exp(- 13727.93367/RT)		1160-1220		6	a,f
0.50-99.50	k = 17.929 exp(- 13870.19205/RT)		1160-1220		6	a,f
0.75-99.25	k = 18.466 exp(- 14196.54951/RT)		1120-1220		6	a,f
1.00-99.00	k = 17.378 exp(- 13614.96378/RT)		1150-1210		6	a,f
3.00-97.00	k = 18.626 exp(- 14861.81664/RT)		1110-1180		6	a,f
4.89-95.11	k = 18.926 exp(- 15455.95458/RT)		1040-1180		6	a,f
20.00-80.00	k = 10.194 exp(- 18891.07605/RT)		1220-1230		6	a,f
40.00-60.00	k = 19.961 exp(- 24937.0572/RT)		1000-1160		6	a,f
60.0-40.00	k = 22.709 exp(- 24209.02902/RT)		1000-1160		6	a,f
75.00-25.00	k = 30.451 exp(- 24684.33937/RT)		840-1200		6	a,f
80.00-20.00	k = 25.963 exp(- 22380.59043/RT)		880-1160		6	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	K_2SO_4-NaCl				
42-58	k = 5.90922 exp(- 11360.16846/RT)	920-1020		3	a,f,o
51-49	k = 10.181 exp(- 15170.1826/RT)	920-1020		3	a,f,o
61-39	k = 10.997 exp(- 14325.00046/RT)	920-1020		3	a,f,o
	K_2SO_4-Na_2SO_4				
50-50	k = 13.881 exp(- 20847.54718/RT)	1182-1193		6	a,f
	K_2SO_4-Rb_2SO_4				
50-50	k = 6.801 exp(- 16150.5102/RT)	1340-1380		6	a,f
	K_2SO_4-Tl_2SO_4				
50-50	k = 6.88692 exp(- 15578.96624/RT)	1100-1200		6	a,f
	K_2SO_4-$ZnSO_4$				
20-80	(T=773 K, k=0.04)			6	a
25-75	(T=748 K, k=0.02)			6	a
30-70	k = 47426.2 exp(- 90304.78281/RT)	748-823		6	a,f
40-60	k = 32.1572 exp(- 38199.72229/RT)	723-823		6	a,f
50-50	k = 139.106 exp(- 48095.88465/RT)	723-823		6	a,f
57-43	k = 42.7031 exp(- 37116.04816/RT)	723-823		6	a,f
For additional K_2SO_4 systems, see : Cs_2SO_4-					
	K_2SO_4*Na_2SO_4-NaCl				
43-57	k = 16.9535 exp(- 19325.38252/RT)	920-1020		3	a,f,v8
52-48	k = 11.3422 exp(- 14998.63573/RT)	920-1020		3	a,f,v8
64-36	k = 12.8744 exp(- 14976.04175/RT)	920-1020		3	a,f,v8
	K_2S_3				
100	k = 5.438 exp(- 6234.2643/R(T-343))	570-690	±4%	6	a
	$K_2S_{3.4}$				
100	k = 6.26 exp(- 7435.09239/R(T-306))	490-670	±4%	6	a
	K_2S_4				
100	k = 3.014 exp(- 5418.37065/R(T-341))	470-680	±4%	6	a
	K_2S_5				
100	k = 2.427 exp(- 5209.16715/R(T-354))	520-670	±4%	6	a
	K_2S_6				
100	k = 1.099 exp(- 3340.14308/R(T-393))	520-690	±4%	6	a
	K_2TaF_7				
100	k = 9.572 exp(- 21167.21013/RT)	1020-1160	±5%	3	d,f
	K_2TaF_7-Ta_2O_5				
80-20	k = 5.046 exp(- 17370.58501/RT)	1073-1173		3	a,f
85-15	k = 4.679 exp(- 15757.62603/RT)	1073-1173		3	a,f
90-10	k = 4.484 exp(- 14732.11047/RT)	1073-1173		3	a,f
95-5	k = 4.381 exp(- 14119.14422/RT)	1073-1173		3	a,f
100-0	k = 9.572 exp(- 21167.21013/RT)	1073-1173	(414)	3	a,f
	K_2TiF_6				
100	k = 6.968 exp(- 15250.93515/RT)	1116-1249	±5%	3	a,f
	K_2TiF_6-NaCl				
2.6-97.4	k = 10.2438 exp(- 9703.69514/RT)	850-1170		3	a,f
5.7-94.3	k = 6.72141 exp(- 5930.91923/RT)	850-1170		3	a,f
9.5-90.5	k = 5.79325 exp(- 4622.56054/RT)	850-1170		3	a,f
14.0-86.0	k = 5.3756 exp(- 4013.82019/RT)	850-1170		3	a,f
19.6-80.4	k = 4.30809 exp(- 3001.86102/RT)	910-1170		3	a,f
26.8-73.2	k = 8.41249 exp(- 9227.12957/RT)	850-1170		3	a,f
31.1-68.9	k = 7.652 exp(- 8440.106/RT)	850-1170		3	a,f
36.2-63.8	k = 6.73031 exp(- 7712.49623/RT)	820-1170		3	a,f
42.2-57.8	k = 5.6781 exp(- 6945.13779/RT)	850-1170		3	a,f
49.3-50.7	k = 5.31653 exp(- 6974.00788/RT)	850-1170		3	a,f
57.8-42.2	k = 12.1869 exp(- 14425.41814/RT)	850-1170		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
68.7-31.3	k = 31.6493 exp(- 22624.52171/RT)	850-1170		3	a,f
82.2-17.8	k = 38.281 exp(- 23664.68151/RT)	880-1170		3	a,f
100-0	k = 250 exp(- 41690.07348/RT)	1098-1173	(415)	3	a,f
	K_2TiF_6-TiO_2				
60-40	k = 8.278 exp(- 18594.42549/RT)	1143-1193		3	a,f
70-30	k = 8.045 exp(- 18003.2164/RT)	1143-1193		3	a,f
80-20	k = 7.792 exp(- 17315.35529/RT)	1143-1193		3	a,f
90-10	k = 8.91 exp(- 18147.1484/RT)	1143-1193		3	a,f
100-0	k = 6.968 exp(- 15250.93515/RT)	1143-1193	(416)	3	a,f
	K_2WO_4				
100	k = 8.141 exp(- 19518.68655/RT)	1210-1300	±3%	6	a,f
	K_2WO_4-Li_2SO_4				
50-50	k = 15.34 exp(- 23974.7211/RT)	1080-1240		3	a,f
	K_2WO_4-Li_2WO_4				
0-100	k = 16.969 exp(- 18758.44103/RT)	1084-1150	(417)	6	a,f
10-90	k = 45.807 exp(- 32736.16368/RT)	1028-1137		6	a,f
19.9-80.1	k = 65.249 exp(- 37936.96269/RT)	962-1125		6	a,f
30-70	k = 91.819 exp(- 42116.84862/RT)	898-1028		6	a,f
40-60	k = 34.644 exp(- 36560.40366/RT)	926-1048		6	a,f
50-50	k = 32.456 exp(- 34129.45899/RT)	952-1068		6	a,f
54.4-45.6	k = 2.647 exp(- 14899.47327/RT)	948-1070		6	a,f
60-40	k = 7.183 exp(- 22635.8187/RT)	940-1080		6	a,f
68-32	k = 16.48 exp(- 28372.17867/RT)	1031-1200		6	a,f
80-20	k = 81.94 exp(- 44372.06235/RT)	1070-1166		6	a,f
100-0	k = 14.412 exp(- 25673.45352/RT)	1250-1301	(418)	6	a,f
	K_2WO_4-WO_3				
29.88-70.12	k = 15.2939 exp(- 32634.07237/RT)	1180-1270		3	a,f
42.13-57.87	k = 43.788 exp(- 41142.37872/RT)	1040-1170		3	a,f
50.18-49.82	k = 21.3982 exp(- 33034.06946/RT)	1020-1040		3	a,f
59.42-40.58	k = 36.774 exp(- 36122.74994/RT)	940-1090		3	a,f
70-30	k = 18.9445 exp(- 28781.38072/RT)	1060-1210		3	a,f
80.11-19.89	k = 15.0033 exp(- 25412.36755/RT)	1120-1280		3	a,f
90-10	k = 37.1834 exp(- 36306.43061/RT)	1180-1300		3	a,f
100-0	k = 4.05548 exp(- 17144.64523/RT)	1220-1290	(419)	3	a,f
For additional K_2WO_4 systems, see : K_2SO_4-					
	K_2ZrF_6				
100	k = 10.888 exp(- 14804.91329/RT)	1073-1253		3	
	K_2ZrF_6-NaCl				
0-100	k = 8.389 exp(- 7673.58438/RT)	1073-1173	(420)	3	a,d,f
10-90	k = 8.855 exp(- 9054.32748/RT)	1073-1173		3	a,d,f
20-80	k = 7.388 exp(- 8161.44694/RT)	1073-1173		3	a,d,f
25-75	k = 7.075 exp(- 8207.89012/RT)	1073-1173		3	a,d,f
30-70	(T=1173 K, k=2.96)			3	a,d,f
33-67	k = 7.04 exp(- 8650.14632/RT)	1073-1173		3	a,d,f
40-60	k = 7.326 exp(- 9242.61063/RT)	1073-1173		3	a,d,f
50-50	k = 8.022 exp(- 10767.28574/RT)	1073-1173		3	a,d,f
60-40	k = 8.055 exp(- 11029.62693/RT)	1073-1173		3	a,d,f
67-33	k = 7.036 exp(- 9977.33332/RT)	1073-1173		3	a,d,f
70-30	k = 7.041 exp(- 10060.59632/RT)	1073-1173		3	a,d,f
75-25	k = 7.043 exp(- 10102.85542/RT)	1073-1173		3	a,d,f
80-20	k = 6.727 exp(- 9891.55989/RT)	1073-1173		3	a,d,f
85-15	k = 6.412 exp(- 9585.28596/RT)	1073-1173		3	a,d,f
90-10	k = 6.416 exp(- 9755.57761/RT)	1073-1173		3	a,d,f
100-0	k = 10.888 exp(- 14804.91329/RT)	1073-1253	(421)	3	a,d,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional K_2ZrF_6 systems, see : KCl- ; KF-					
	K_3AlF_6				
100	k = 430.9 exp(- 57773.63856/RT)	1270-1330		6	a,f
100	k = 24.984 exp(- 26010.68956/RT)	1273-1340	±5%	14	a,f
	K_3AlF_6-Na_3AlF_6				
0-100	k = 54.106 exp(- 29877.60706/RT)	1270-1330	(422)	6	a,f
16.89-83.11	k = 123.3 exp(- 39764.98287/RT)	1240-1330		6	a,f
35.15-64.85	k = 143.56 exp(- 42644.04144/RT)	1220-1330		6	a,b,f
54.94-45.06	k = 256.92 exp(- 50279.96919/RT)	1240-1330		6	a,f
76.48-23.52	k = 5108.4 exp(- 83848.7628/RT)	1240-1330		6	a,f
100-0	k = 430.9 exp(- 57773.63856/RT)	1270-1330	(423)	6	a,f
For additional K_3AlF_6 systems, see : Al_2O_3-					
	K_3PO_4				
For K_3PO_4 systems, see : KCl-					
	$LaBr_3$				
100	k = 106.15 exp(- 43317.67671/RT)	1050-1185	±25%	1	a,f
	$LaCl_3$				
100	k = 9.427 exp(- 18966.80772/RT)	1170-1270	±2.5%	5	d
	$LaCl_3$-LiCl				
0-100	k = 11.604 exp(- 4994.10595/RT)	1080-1270	(424)	5	a,f
10.04-89.96	k = 12.749 exp(- 9035.91757/RT)	1080-1220		5	b,f
20.06-79.94	k = 9.753 exp(- 8625.87871/RT)	1080-1220		5	b,f
29.63-70.37	k = 9.796 exp(- 10362.68617/RT)	1080-1220		5	a,f
40.00-60.00	k = 9.056 exp(- 11220.83893/RT)	1080-1220		5	a,f
53.02-46.98	k = 11.968 exp(- 15821.22389/RT)	1080-1220		5	a,f
65.01-34.99	k = 13.576 exp(- 18721.62122/RT)	1080-1220		5	a,f
80.03-19.97	k = 17.262 exp(- 22608.20384/RT)	1080-1220		5	a,f
100-0	k = 12.715 exp(- 22001.9321/RT)	1140-1220	(425)	5	a,f
	$LaCl_3$-NaCl				
0.0-100.0	k = 5.935 exp(- 5190.33884/RT)	1120-1200	(426)	5	a,b,f
4.99-95.01	k = 5.27488 exp(2588.39122/RT)	1134-1215		26	a,b,f
13.17-86.83	k = 6.537 exp(- 10660.17355/RT)	1090-1220		5	a,b,f
20.87-79.13	k = 8.972 exp(- 16109.92472/RT)	1110-1220		5	a,b,f
33.30-66.70	k = 14.296 exp(- 21980.59334/RT)	1110-1220		5	a,b,f
45.11-54.89	k = 11.564 exp(- 19659.2713/RT)	1070-1200		5	a,b,f
55.02-44.98	k = 15.567 exp(- 24259.65627/RT)	1140-1220		5	a,b,f
70.22-29.78	k = 8.774 exp(- 23165.94037/RT)	1170-1220		5	a,b,f
84.26-15.74	k = 18.182 exp(- 26804.82605/RT)	1160-1260		5	a,b,f
	$LaCl_3$-RbCl				
0-100 $LaCl_3$	k = 122.08 - 1.0654 C + 0.0029388 C^2 + 4.3405 x 10^{-6} C^3 + 7.7095 x 10^{-7} C^4	1195	(427)	5	a,n,t
For additional $LaCl_3$ systems, see : $BaCl_2$- ; CsCl- ; KCl-					
	LaF_3-LiF				
0.0-100.0	k = 20.471 exp(- 7767.72596/RT)	1150-1340	(428)	14	a,f
5.0-95.0	k = 19.592 exp(- 8263.11984/RT)	1180-1340		14	a,f
10.0-90.0	k = 21.642 exp(- 10358.92051/RT)	1170-1340		14	a,f
15.0-85.0	k = 17.158 exp(- 8766.46346/RT)	1190-1340		14	a,f
20.0-80.0	k = 16.232 exp(- 9263.53098/RT)	1160-1340		14	a,f
25.0-75.0	k = 21.695 exp(- 13572.28627/RT)	1190-1340		14	a,f
29.0-71.0	k = 36.568 exp(- 19232.91457/RT)	1160-1340		14	a,f
32.45-67.55	k = 36.562 exp(- 19972.65815/RT)	1260-1340		14	a,f
	LaF_3-NaF				
0.0-100.0	k = 21.451 exp(- 15165.16172/RT)	1310-1340	(429)	14	a,f
10.0-90.0	k = 17.241 exp(- 14419.14203/RT)	1240-1340		14	a,f
20.0-80.0	k = 19.657 exp(- 17244.2261/RT)	1170-1340		14	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
30.0-70.0	k = 32.168 exp(- 23103.17932/RT)	1060-1340		14	a,f
40.0-60.0	k = 27.016 exp(- 22481.00811/RT)	1210-1340		14	a,f
For additional LaF_3 systems, see : KF-					
	LaI_3				
100	k = 9.118 exp(- 26606.50113/RT)	1069-1144	±10%	1	a,f
	LaI_3-NaI				
0-100	k = 5.48763 exp(- 6012.927/RT)	1092-1227	(430)	4	a,f
10-90	k = 5.194 exp(- 8220.86074/RT)	1092-1227		4	a,f
20-80	k = 4.677 exp(- 8908.72184/RT)	1092-1227		4	a,f
30-70	k = 4.69 exp(- 10636.32435/RT)	1092-1227		4	a,f
40-60	k = 4.845 exp(- 12494.46983/RT)	1092-1227		4	a,f
50-50	k = 5.118 exp(- 14348.01284/RT)	1092-1227		4	a,f
60-40	k = 5.571 exp(- 16510.75863/RT)	1092-1227		4	a,f
70-30	k = 5.196 exp(- 17330.41794/RT)	1092-1227		4	a,f
80-20	k = 7.434 exp(- 22063.85633/RT)	1092-1227		4	a,f
90-10	k = 9.201 exp(- 25502.32506/RT)	1092-1227		4	a,f
100-0	k = 7.152 exp(- 24171.37239/RT)	1092-1227	(431)	4	a,f
For additional LaI_3 systems, see : CsI- ; KI-					
	$LiAlBr_4$				
For $LiAlBr_4$ systems, see : $KAlCl_4$-					
	$LiAlCl_4$				
100	k = 5.183 exp(- 10152.22745/RT)	437-622	±1.5%	10	d,g
	LiBr				
100	k = 12.98 exp(- 6970.66062/RT)	831-1022	±2%	1	a,f
	LiBr-LiCl				
0-100	k = 13.4286 exp(- 6324.22181/RT)	980-1080	(432)	2	a,f
12-88	k = 12.1119 exp(- 5675.69096/RT)	980-1080		2	a,f
25-75	k = 11.2593 exp(- 5295.35899/RT)	980-1080		2	a,f
37-63	k = 11.2823 exp(- 5567.32354/RT)	980-1080		2	a,f
50-50	k = 10.4546 exp(- 5041.38594/RT)	980-1080		2	a,f
63-37	k = 9.919 exp(- 4736.36724/RT)	980-1080		2	a,f
75-25	k = 10.1748 exp(- 5003.31091/RT)	980-1080		2	a,f
88-12	k = 10.4867 exp(- 5278.20431/RT)	980-1080		2	a,f
100-0	k = 10.6392 exp(- 5518.78833/RT)	980-1080	(433)	2	a,f
	LiBr-LiF				
0-100	k = 23.003 exp(- 9608.29835/RT)	1130-1280	(434)	2	a,f
12-88	k = 24.878 exp(- 12322.50456/RT)	880-1280		2	a,f
25-75	k = 16.407 exp(- 10278.16796/RT)	880-1280		2	a,f
37-63	k = 22.947 exp(- 14675.62553/RT)	880-1280		2	a,f
50-50	k = 15.763 exp(- 11927.94676/RT)	880-1280		2	a,f
63-37	k = 11.383 exp(- 9350.55964/RT)	880-1280		2	a,f
75-25	k = 10.746 exp(- 8366.88478/RT)	880-1280		2	a,f
88-12	k = 9.1844 exp(- 5564.8131/RT)	880-1280		2	a,f
100-0	k = 10.6392 exp(- 5518.78833/RT)	880-1280	(435)	2	a,f
	LiBr-LiI				
0-100	k = 9.4084 exp(- 5363.55933/RT)	760-1100	(436)	2	a,f
12-88	k = 9.4914 exp(- 4993.26914/RT)	760-1100		2	a,f
25-75	k = 9.4335 exp(- 5297.45103/RT)	760-1100		2	a,f
37-63	k = 10.2943 exp(- 5644.31043/RT)	760-1100		2	a,f
50-50	k = 10.2239 exp(- 5811.67323/RT)	760-1100		2	a,f
63-37	k = 10.3606 exp(- 5614.60353/RT)	760-1100		2	a,f
75-25	k = 10.4672 exp(- 5785.732/RT)	760-1100		2	a,f
88-12	k = 10.9022 exp(- 5885.73127/RT)	760-1100		2	a,f
100-0	k = 10.6392 exp(- 5518.78833/RT)	840-1100	(437)	2	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	LiBr-NaBr				
0-100	k = 5.845 exp(- 5994.9355/RT)	1050-1220	(438)	4	a,f
50-50	k = 7.739 exp(- 5911.6725/RT)	930-1090		4	a,f
	LiBr-$PbBr_2$				
0-100	k = 19.144 exp(- 18755.51218/RT)	653-773	(439)	4	a,f
10-90	k = 15.073 exp(- 16637.95436/RT)	653-773		4	a,f
20-80	k = 15.329 exp(- 15953.0221/RT)	653-773		4	a,f
30-70	k = 15.29 exp(- 15243.82223/RT)	653-773		4	a,f
40-60	k = 10.958 exp(- 12384.42879/RT)	653-773		4	a,f
50-50	k = 15.713 exp(- 13924.16655/RT)	713-773		4	a,f
60-40	k = 13.799 exp(- 12413.29888/RT)	753-773		4	a,f
70-30	k = 12.27 exp(- 10760.59123/RT)	753-773		4	a,f
	LiBr-RbBr				
0-100	k = 4.781 exp(- 11525.85763/RT)	980-1140	(440)	4	a,f
50-50	k = 7.469 exp(- 12000.33117/RT)	840-1020		4	a,f
For additional LiBr systems, see : AgCl- ; $InBr_3$- ; KBr-					
	LiCl				
100	k = 13.134 exp(- 6097.86362/RT)	917-1056	±2%	1	a,f
	LiCl-LiF				
0-100	k = 23.003 exp(- 9608.29835/RT)	1130-1260	(441)	2	a,f
12-88	k = 20.849 exp(- 9826.7068/RT)	940-1260		2	a,f
25-75	k = 20.717 exp(- 10496.57641/RT)	940-1260		2	a,f
37-63	k = 18.119 exp(- 10453.48049/RT)	940-1260		2	a,f
50-50	k = 16.09 exp(- 9748.04629/RT)	940-1260		2	a,f
63-37	k = 21.741 exp(- 11592.38434/RT)	940-1260		2	a,f
75-25	k = 14.245 exp(- 8383.20265/RT)	940-1260		2	a,f
88-12	k = 11.634 exp(- 5887.4049/RT)	940-1260		2	a,f
100-0	k = 13.4286 exp(- 6324.22181/RT)	940-1260	(442)	2	a,f
	LiCl-LiI				
0-100	k = 9.4084 exp(- 5363.55933/RT)	740-1110	(443)	2	a,f
12-88	k = 9.7234 exp(- 5896.19144/RT)	710-1110		2	a,f
25-75	k = 10.4153 exp(- 6486.98213/RT)	710-1110		2	a,f
37-63	k = 11.2717 exp(- 7069.40467/RT)	710-1110		2	a,f
50-50	k = 11.5673 exp(- 7193.25314/RT)	710-1110		2	a,f
61.2-38.8	k = 12.0676 exp(- 7184.885/RT)	710-1110		2	a,f
75-25	k = 12.8483 exp(- 7169.40395/RT)	710-1110		2	a,f
88-12	k = 12.8941 exp(- 6769.40685/RT)	710-1110		2	a,f
100-0	k = 13.4286 exp(- 6324.22181/RT)	890-1110	(444)	2	a,f
	LiCl-$MgCl_2$				
60.0-40.0	k = 8.154 exp(- 7868.98045/RT)	910-1130		5	a,f
70.0-30.0	k = 8.915 exp(- 7533.41804/RT)	910-1130		5	a,f
80.0-20.0	k = 9.991 exp(- 6816.26844/RT)	910-1130		5	a,f
84.0-16.0	k = 10.259 exp(- 6424.22108/RT)	910-1130		5	a,f
90.0-10.0	k = 11.023 exp(- 6094.51636/RT)	910-1130		5	a,f
95.3-4.7	k = 11.805 exp(- 5789.07925/RT)	910-1130		5	a,f
	LiCl-$MnCl_2$				
0-100	k = 5.493 exp(- 10194.90496/RT)	931-1106	(445)	18	k
17.9-82.1	k = 6.685 exp(- 9532.98509/RT)	899-1051		18	k
52.48-47.52	k = 9.564 exp(- 9376.50087/RT)	871-1016		18	k
70.71-29.29	k = 11.505 exp(- 9102.44429/RT)	878-1016		18	k
90-10	k = 11.608 exp(- 5602.46973/RT)	934-1023		18	k
100-0	k = 9.886 exp(- 3824.65839/RT)	929-1058	(446)	18	k

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
		LiCl-NaCl				
0-100	k = 7.689 exp(- 6808.73711/RT)		1090-1170	(447)	5	a,f
50-50	k = 9.402 exp(- 6478.61399/RT)		920-1130		5	a,f
		LiCl-$NaNO_3$				
2.6-97.4	k = 11.3579 exp(- 11855.14394/RT)		620-630		3	a,f
		LiCl-RbCl				
0-100	k = 6.246 exp(- 11673.5553/RT)		1020-1190	(448)	5	a,f
50-50	k = 9.585 exp(- 12861.41277/RT)		910-1130		5	a,f
		LiCl-$ScCl_3$				
30-70	(T=1233 K, k=1.03)				5	a
40-60	k = 246.31 exp(- 54001.69946/RT)		1173-1233		5	a,f
50-50	k = 154.4 exp(- 47371.20373/RT)		1173-1233		5	a,f
60-40	k = 4.33 exp(- 8110.40129/RT)		1133-1233		5	a,f
70-30	k = 4.57 exp(- 5212.096/RT)		993-1233		5	a,f
80-20	k = 10.579 exp(- 10328.3768/RT)		933-1233		5	a,f
90-10	k = 12.724 exp(- 9455.9982/RT)		933-1233		5	a,f
100-0	k = 10.773 exp(- 4393.69191/RT)		933-1233	(449)	5	a,f
		LiCl-$SrCl_2$				
0-100	k = 14.896 exp(- 19474.33541/RT)		1148-1173	(450)	19	k
10-90	k = 19.781 exp(- 21292.73223/RT)		1073-1173		19	k
20-80	k = 14.38 exp(- 17382.71882/RT)		1023-1173		19	k
30-70	k = 16.045 exp(- 17396.10784/RT)		973-1173		19	k
40-60	k = 17.061 exp(- 16807.40919/RT)		923-1173		19	k
50-50	k = 16.104 exp(- 15103.65589/RT)		898-1173		19	k
60-40	k = 13.404 exp(- 12176.48051/RT)		898-1173		19	k
70-30	k = 14.71 exp(- 11525.85763/RT)		898-1173		19	k
80-20	k = 17.342 exp(- 11415.39818/RT)		899-1173	±0.2%	19	k
90-10	k = 13.869 exp(- 7857.26505/RT)		898-1173		19	k
100-0	k = 11.792 exp(- 5104.14699/RT)		899-1173	(451)	19	k
		LiCl-UCl_4				
0.00-100.00	k = 5.216 exp(- 18104.05248/RT)		872-1001	(452)	5	a,f
14.76-85.24	k = 5.48 exp(- 16434.19015/RT)		850-880		5	a,f
21.56-78.44	k = 5.254 exp(- 14981.48104/RT)		830-920		5	a,f
24.70-75.30	k = 4.577 exp(- 13521.24061/RT)		850-910		5	a,f
32.22-67.78	k = 4.525 exp(- 12198.23768/RT)		800-920		5	a,f
38.04-61.96	k = 4.584 exp(- 11176.48778/RT)		820-920		5	a,f
44.42-55.58	k = 5.037 exp(- 11123.7685/RT)		760-900		5	a,f
46.40-53.60	k = 4.549 exp(- 9492.39961/RT)		820-940		5	a,f
52.84-47.16	k = 4.492 exp(- 8546.79979/RT)		820-900		5	a,f
56.61-43.39	k = 4.897 exp(- 8489.89644/RT)		830-870		5	a,f
58.36-41.64	k = 4.887 exp(- 8307.88939/RT)		800-900		5	a,f
61.08-38.92	k = 4.569 exp(- 7439.27646/RT)		840-910		5	a,f
66.71-33.29	k = 5.076 exp(- 7551.40954/RT)		770-880		5	a,f
68.78-31.22	k = 5.647 exp(- 8181.53048/RT)		730-890		5	a,f
72.21-27.79	k = 6.867 exp(- 9016.67085/RT)		710-880		5	a,f
79.56-20.44	k = 7.441 exp(- 8545.54457/RT)		790-890		5	a,f
83.99-16.01	k = 8.057 exp(- 8394.08123/RT)		820-890		5	a,f
89.03-10.97	k = 8.897 exp(- 7658.52173/RT)		850-890		5	a,f
91.10-8.90	k = 8.415 exp(- 6689.90952/RT)		860-900		5	a,f
91.69-8.31	k = 9.337 exp(- 7342.20604/RT)		860-900		5	a,f
96.21-3.79	k = 10.819 exp(- 6271.50252/RT)		880-900		5	a,f
100.0-0.0	k = 13.536 exp(- 6401.20869/RT)		890-920	(453)	5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional LiCl systems, see : AgBr- ; $AlBr_3$- ; $AlCl_3$- ; $BaCl_2$- ; $CaCl_2$- ; $CaCrO_4$-KCl- ; $CaCrO_4$- ; $CdCl_2$- ; CsCl- ; $FeCl_3$- ; $GaCl_3$- ; KCl- ; $LaCl_3$- ; LiBr-					
	$LiClO_3$				
100	k = 166.87 exp(- 24476.39109/RT)	404-446	±2.5%	1	a,f
	$LiClO_3$-$LiNO_3$				
70-30	k = 436.678 exp(- 27556.28502/RT)	420-440		3	a,f
74.5-25.5	k = 265.707 exp(- 25811.94624/RT)	410-440		3	a,f
79.4-20.6	k = 352.323 exp(- 26873.4448/RT)	400-440		3	a,f
81.9-18.1	k = 324.299 exp(- 26634.11599/RT)	400-440		3	a,f
84.4-15.6	k = 203.557 exp(- 24927.85225/RT)	410-440		3	a,f
100-0	k = 166.87 exp(- 24476.39109/RT)	400-440	(454)	3	a,f
	$LiClO_3$-LiOH				
92.4-7.6	k = 138.711 exp(- 24146.26797/RT)	410-440		3	a,f
100-0	k = 166.87 exp(- 24476.39109/RT)	410-440	(455)	3	a,f
	$LiClO_4$				
100	k = 14.831 exp(- 13016.64177/RT)	550-620	±2.5%	6	a,f
	$LiClO_4$-$LiNO_3$				
0-100	k = 20.5363 exp(- 14023.74742/RT)	540-640	(456)	3	a,f
5-95	k = 19.4848 exp(- 13922.07452/RT)	540-640		3	a,f
10-90	k = 19.555 exp(- 14084.83484/RT)	540-640		3	a,f
15-85	k = 20.5112 exp(- 14408.26345/RT)	520-640		3	a,f
20-80	k = 22.8048 exp(- 15052.19183/RT)	520-640		3	a,f
25-75	k = 20.4136 exp(- 14582.73917/RT)	520-640		3	a,f
30-70	k = 20.485 exp(- 14642.15297/RT)	500-640		3	a,f
35-65	k = 19.0512 exp(- 14412.02912/RT)	500-640		3	a,f
40-60	k = 18.9402 exp(- 14395.29284/RT)	500-640		3	a,f
45-55	k = 20.2526 exp(- 14735.45773/RT)	480-640		3	a,f
50-50	k = 19.3029 exp(- 14564.32926/RT)	480-640		3	a,f
55-45	k = 18.298 exp(- 14316.21391/RT)	480-640		3	a,f
60-40	k = 19.6927 exp(- 14676.04393/RT)	480-640		3	a,f
70-30	k = 16.1075 exp(- 13627.09758/RT)	500-640		3	a,f
75-25	k = 17.0087 exp(- 13903.66461/RT)	500-640		3	a,f
80-20	k = 14.4374 exp(- 13072.70831/RT)	520-640		3	a,f
85-15	k = 14.4474 exp(- 13072.70831/RT)	520-640		3	a,f
90-10	k = 13.8077 exp(- 12805.34624/RT)	520-640		3	a,f
95-5	k = 13.4895 exp(- 12630.45211/RT)	540-640		3	a,f
100-0	k = 13.49 exp(- 12635.8914/RT)	540-640	(457)	3	a,f
	$LiClO_4$-$NaClO_4$				
49.7-50.3	k = 12.834 exp(- 13250.94969/RT)	590-640		6	a,f
59-41	k = 11.801 exp(- 12669.36396/RT)	560-640		6	a,f
68-32	k = 14.574 exp(- 13656.80448/RT)	530-630		6	a,f
88-12	k = 14.737 exp(- 13393.20807/RT)	530-640		6	a,f
89.3-10.7	k = 16.696 exp(- 13849.2717/RT)	510-620		6	a,f
100-0	k = 14.597 exp(- 12941.32851/RT)	550-630	(458)	6	a,f
	$LiClO_4$-$NaNO_3$				
0-100	k = 11.2715 exp(- 11798.65899/RT)	600-680	(459)	3	a,f
10-90	k = 13.8713 exp(- 13237.97907/RT)	560-680		3	a,f
28-72	k = 16.8688 exp(- 14796.96356/RT)	480-680		3	a,f
60-40	k = 17.3036 exp(- 14716.211/RT)	540-680		3	a,f
78-22	k = 17.1765 exp(- 14175.62916/RT)	480-680		3	a,f
90-10	k = 16.3965 exp(- 13358.06188/RT)	520-680		3	a,f
100-0	k = 13.8486 exp(- 12768.52642/RT)	520-680	(460)	3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional $LiClO_4$ systems, see : $CsClO_4$- ; $KClO_4$- ; KNO_3-					
	LiF				
100	k = 15.287 exp(- 5386.57172/RT)	1140-1310	±3%	1	a,f
	LiF-LiI				
0-100	k = 9.4084 exp(- 5363.55933/RT)	760-1260	(461)	2	a,f
25-75	k = 8.8136 exp(- 7997.01299/RT)	760-1260		2	a,f
37-63	k = 7.006 exp(- 7768.98118/RT)	760-1260		2	a,f
50-50	k = 11.6072 exp(- 11517.9079/RT)	760-1260		2	a,f
63-37	k = 17.17 exp(- 14695.70906/RT)	760-1260		2	a,f
75-25	k = 18.8859 exp(- 15358.04734/RT)	760-1260		2	a,f
100-0	k = 23.003 exp(- 9608.29835/RT)	1130-1260	(462)	2	a,f
	LiF-NaF				
0.0-100.0	k = 21.451 exp(- 15165.16172/RT)	1310-1340	(463)	14	a,f
20.0-80.0	k = 17.902 exp(- 12122.92442/RT)	1180-1340		14	a,f
40.0-60.0	k = 14.627 exp(- 9714.15532/RT)	1130-1340		14	a,f
50.0-50.0	k = 18.53 exp(- 11009.54339/RT)	1070-1340		14	a,f
62.0-38.0	k = 17.799 exp(- 10046.78888/RT)	1030-1340		14	a,f
70.0-30.0	k = 19.483 exp(- 10314.56936/RT)	1020-1340		14	a,f
85.0-15.0	k = 22.58 exp(- 10394.4851/RT)	1060-1340		14	a,f
100.0-0.0	k = 20.471 exp(- 7768.14436/RT)	1150-1340	(464)	14	a,f
	$LiF-Na_3AlF_6$				
0-100	k = 9.109 exp(- 12460.16046/RT)	1270-1370	(465)	3	a,f
25-75	k = 7.19057 exp(- 9252.6524/RT)	1280-1370		3	a,f
42.8-57.2	k = 7.1417 exp(- 8742.19586/RT)	1220-1370		3	a,f
56.2-43.8	k = 9.4411 exp(- 11299.91785/RT)	1220-1370		3	a,f
66.7-33.3	k = 19.6893 exp(- 17331.25475/RT)	1120-1320		3	a,f
75.0-25.0	k = 13.9546 exp(- 13151.36882/RT)	1070-1310		3	a,f
81.8-18.2	k = 10.9144 exp(- 9323.78159/RT)	1130-1310		3	a,f
87.5-12.5	k = 11.7351 exp(- 8344.2908/RT)	1120-1320		3	a,f
92.3-7.7	k = 12.961 exp(- 7655.17447/RT)	1130-1310		3	a,f
96.4-3.6	k = 8.78608 exp(- 2034.71324/RT)	1120-1320		3	a,f
100-0	k = 11.477 exp(- 2891.19237/RT)	1120-1320	(466)	3	a,f
	$LiF-SmF_3$				
50.0-50.0	k = 16.707 exp(- 15437.96308/RT)	1260-1340		14	a,f
60.0-40.0	k = 24.886 exp(- 18221.62485/RT)	1150-1340		14	a,f
70.0-30.0	k = 25.698 exp(- 16936.69695/RT)	1080-1340		14	a,f
80.0-20.0	k = 25.462 exp(- 14781.4825/RT)	1100-1340		14	a,f
90.0-10.0	k = 20.994 exp(- 10523.35446/RT)	1120-1340		14	a,f
100.0-0.0	k = 20.471 exp(- 7768.14436/RT)	1150-1340	(467)	14	a,f
	$LiF-ThF_4$				
50.2-49.8	k = 18.025 exp(- 19404.04303/RT)	1100-1270		14	a,f
58.2-41.8	k = 20.927 exp(- 19265.09014/RT)	1080-1270		14	a,f
71.9-28.1	k = 29.083 exp(- 20196.08748/RT)	920-1270		14	a,f
78.0-22.0	k = 33.778 exp(- 19733.32934/RT)	920-1270		14	a,f
96.8-3.2	k = 42.82 exp(- 17178.5362/RT)	1160-1270		14	a,f
100-0	k = 20.081 exp(- 7576.09555/RT)	1160-1270	(468)	14	a,f
	$LiF-UF_4$				
40.0-60.0	k = 11.651 exp(- 13612.45334/RT)	1180-1270		14	a,f
50.0-50.0	k = 18.663 exp(- 18130.41212/RT)	1080-1270		14	a,f
60.0-40.0	k = 25.24 exp(- 19836.67587/RT)	980-1270		14	a,f
72.5-27.5	k = 23.529 exp(- 17525.3956/RT)	940-1270		14	a,f
85.0-15.0	k = 20.711 exp(- 13129.61166/RT)	1080-1270		14	a,f
95.0-5.0	k = 19.668 exp(- 9342.6099/RT)	1180-1270		14	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
100-0	k = 20.081 exp(- 7576.09555/RT)	1160-1270	(469)	14	a,f
	$LiF-YF_3$				
40.0-60.0	k = 32.621 exp(- 25275.96687/RT)	1180-1340		14	a,f
50.0-50.0	k = 35.232 exp(- 25025.34108/RT)	1140-1340		14	a,f
60.0-40.0	k = 35.317 exp(- 22668.87285/RT)	1080-1340		14	a,f
70.0-30.0	k = 24.386 exp(- 16881.04882/RT)	1080-1340		14	a,f
81.0-19.0	k = 26.137 exp(- 15133.78119/RT)	980-1340		14	a,f
100.0-0.0	k = 20.548 exp(- 7807.05621/RT)	1160-1340	(470)	14	a,f
For additional LiF systems, see : AlF_3- ; BeF_2- ; CaF_2- ; CeF_3- ; KF- ; LaF_3- ; LiBr- ; LiCl-					
	LiH				
100	k = 100.7 exp(- 9765.20097/RT)	973-1073	±10%	27,28	d
	LiI				
100	k = 10.113 exp(- 5903.72277/RT)	756-877	±2%	1	a,c,f
	LiI-NaI				
0.0-100.0	k = 5.465 exp(- 6480.70602/RT)	950-1120	(471)	4	a,f
29.8-70.2	k = 6.091 exp(- 6307.48553/RT)	880-1040		4	a,f
50.4-49.6	k = 6.491 exp(- 5796.61058/RT)	890-1040		4	a,f
54.6-45.4	k = 6.74 exp(- 6043.0523/RT)	860-1070		4	a,f
55.2-44.8	k = 5.937 exp(- 4916.70066/RT)	850-1020		4	a,b,f
75.7-24.3	k = 7.251 exp(- 5431.34127/RT)	860-1050		4	a,f
100.0-0.0	k = 10.028 exp(- 5864.39251/RT)	770-910	(472)	4	a,f
	LiI-RbI				
0.0-100.0	k = 4.186 exp(- 11976.06356/RT)	930-1050	(473)	4	a,f
27.1-72.9	k = 5.054 exp(- 11930.87561/RT)	880-1050		4	a,f
55.2-44.8	k = 5.701 exp(- 9698.67426/RT)	860-1030		4	a,f
91.0-9.0	k = 7.729 exp(- 6197.02608/RT)	860-1030		4	a,f
100.0-0.0	k = 10.028 exp(- 5864.39251/RT)	770-910	(474)	4	a,f
For additional LiI systems, see : CsI- ; KI- ; LiBr- ; LiCl- ; LiF-					
	$LiNO_2$				
100	k = 44.82 exp(- 17426.65155/RT)	502-527	±5%	1	a,f
	$LiNO_2-NaNO_2$				
0-100	(T=573 K, k=1.43)		(475)	7	a,g
13-87	k = 9.00374 exp(- 8936.33671/RT)	553-573		7	a,g
20-80	k = 11.4363 exp(- 10178.58709/RT)	533-573		7	a,g
30-70	k = 15.105 exp(- 11662.25831/RT)	513-573		7	a,g
39-61	k = 20.801 exp(- 13274.79889/RT)	493-573		7	a,g
50-50	k = 27.2844 exp(- 14707.84286/RT)	473-573		7	a,g
78-22	k = 42.4249 exp(- 17272.25937/RT)	473-553		7	a,g
90-10	k = 24.828 exp(- 15240.05657/RT)	493-553		7	a,g
100-0	k = 12.6069 exp(- 12449.70029/RT)	513-553	(476)	7	a,g
	$LiNO_2-NaNO_3$				
0-100	k = 11.1087 exp(- 11587.36346/RT)	593-633	(477)	7	a,g
22-78	k = 10.6373 exp(- 11139.24956/RT)	533-633		7	a,g
28-72	k = 9.39185 exp(- 10437.99943/RT)	513-633		7	a,g
41-59	k = 11.7516 exp(- 11362.6789/RT)	473-613		7	a,g
50-50	k = 12.1329 exp(- 11420.00066/RT)	473-593		7	a,g
60-40	k = 16.3327 exp(- 12696.56042/RT)	433-593		7	a,g
75-25	k = 16.4227 exp(- 12638.40184/RT)	433-573		7	a,g
80-20	k = 13.2914 exp(- 11689.87317/RT)	453-573		7	a,g
92-8	k = 11.7157 exp(- 11159.7515/RT)	473-553		7	a,g

For additional $LiNO_2$ systems, see : $CsNO_2$- ; $CsNO_3$-

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$LiNO_3$				
100	k = 20.354 exp(- 14108.26563/RT)	558-653	±2.5%	1	a,f
	$LiNO_3$-LiOH				
92.4-7.6	k = 138.436 exp(- 24137.06302/RT)	410-440		3	a,f
	$LiNO_3$-$NaClO_4$				
30-70	k = 14.4348 exp(- 14546.75617/RT)	620-680		3	a,f
50-50	k = 17.5146 exp(- 15354.28168/RT)	540-680		3	a,f
67-33	k = 19.5353 exp(- 15278.55001/RT)	480-680		3	a,f
80-20	k = 20.2248 exp(- 14981.06264/RT)	500-680		3	a,f
90-10	k = 19.3918 exp(- 14268.09711/RT)	520-680		3	a,f
100-0	k = 20.5363 exp(- 14023.74742/RT)	540-680	(478)	3	a,f
	$LiNO_3$-$NaNO_2$				
0-100	k = 16.1695 exp(- 11722.92733/RT)	573-610	(479)	7	a,g
10-90	k = 15.1803 exp(- 11598.66045/RT)	533-593		7	a,g
18-82	k = 16.6932 exp(- 12224.17891/RT)	493-593		7	a,g
29-71	k = 19.4094 exp(- 13155.55289/RT)	453-593		7	a,g
50-50	k = 22.2622 exp(- 14169.35306/RT)	453-593		7	a,g
69-31	k = 28.5302 exp(- 15676.45507/RT)	453-593		7	a,g
75-25	k = 26.4416 exp(- 15463.48591/RT)	493-593		7	a,g
88-12	k = 33.2922 exp(- 16775.19185/RT)	513-593		7	a,g
100-0	k = 31.3841 exp(- 16702.38903/RT)	553-593	(480)	7	a,g
	$LiNO_3$-$NaNO_3$				
0-100	k = 10.228 exp(- 11200.75539/RT)	610-720	(481)	7	a,b,f
25.05-74.95	k = 12.586 exp(- 12179.82777/RT)	550-690		7	a,f
50.04-49.96	k = 13.914 exp(- 12546.3523/RT)	560-670		7	a,f
74.70-25.30	k = 15.484 exp(- 12912.04002/RT)	560-670		7	a,f
100-0	k = 20.354 exp(- 14108.26563/RT)	560-630	(482)	7	a,f
	$LiNO_3$-$RbNO_3$				
0-100	k = 8.922 exp(- 15112.86084/RT)	590-720	(483)	7	a,f
50-50	k = 11.669 exp(- 14562.65564/RT)	560-670		7	a,f
100-0	k = 16.295 exp(- 13002.83434/RT)	580-690	(484)	7	a,f
	$LiNO_3$-$TlNO_3$				
0-100	k = 8.026 exp(- 12510.3693/RT)	483-623	(485)	7	a,f
20-80	k = 10.652 exp(- 13686.09297/RT)	443-613		7	a,f,l
40-60	k = 16.821 exp(- 15384.82539/RT)	433-615		7	a,f
60-40	k = 15.663 exp(- 14564.74767/RT)	483-621		7	a,f
80-20	k = 18.358 exp(- 14577.29988/RT)	513-623		7	a,f
100-0	k = 20.587 exp(- 14209.10172/RT)	525-673	(486)	7	a,f

For additional $LiNO_3$ systems, see : $AgClO_3$- ; $AgNO_3$- ; $Cd(NO_3)_2$- ; $CsNO_2$- ; $CsNO_3$- ; $KClO_4$- ; KNO_3- ; $LiClO_3$- ; $LiClO_4$-

LiOH

For LiOH systems, see : $LiClO_3$- ; $LiNO_3$-

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	$LiPO_3$				
100	k = 15.0353 exp(- 23894.38696/RT)	1110-1270	±5%	6	a,f
	Li_2CO_3				
100	k = 29.34 exp(- 16543.81278/RT)	1018-1118	±1.5%	1	a,c,f
	Li_2CO_3-Na_2CO_3				
0-100	k = 14.12 exp(- 15020.8113/RT)	1145-1238	(487)	6	a
10-90	k = 14.71 exp(- 15146.3334/RT)	1077-1232		6	a
20-80	k = 15.88 exp(- 15522.8997/RT)	1013-1224		6	a
30-70	k = 17.29 exp(- 15983.1474/RT)	983-1234		6	a
40-60	k = 18.85 exp(- 16485.2358/RT)	983-1239		6	a

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
50-50	k = 20.36 exp(- 16861.8021/RT)	933-1212		6	a
53.3-46.7	k = 20.84 exp(- 16945.4835/RT)	913-1220		6	a
60-40	k = 21.74 exp(- 16945.4835/RT)	953-1253		6	a
70-30	k = 23.21 exp(- 16736.28/RT)	973-1196		6	a
80-20	k = 25.05 exp(- 16443.3951/RT)	973-1196		6	a
90-10	k = 28 exp(- 16652.5986/RT)	1007-1201		6	a
100-0	k = 29.22 exp(- 16485.2358/RT)	1013-1153	(488)	6	a
For additional Li_2CO_3 systems, see : K_2CO_3- ; K_2SO_4-					
	Li_2MoO_4				
100	k = 22.493 exp(- 20736.25092/RT)	977-1223	±10%	1	a
	Li_2MoO_4-MoO_3				
0-100	k = 1.568 exp(- 7518.77379/RT)	1080-1180	(489)	3	a,f
16.03-83.97	k = 11.2026 exp(- 22924.10112/RT)	1060-1180		3	a,f
27.56-72.43	k = 9.59055 exp(- 19653.4136/RT)	1040-1180		3	a,f
41.18-58.82	k = 12.895 exp(- 20313.24144/RT)	1040-1180		3	a,f
52.51-47.49	k = 10.1447 exp(- 16841.30016/RT)	1070-1220		3	a,f
65.23-34.77	k = 8.71821 exp(- 16245.48859/RT)	1120-1220		3	a,f
77.88-22.12	k = 13.6741 exp(- 17516.60906/RT)	1040-1140		3	a,f
85.84-14.16	k = 17.8529 exp(- 18814.92598/RT)	1080-1180		3	a,f
100-0	k = 293.4 exp(- 38342.81748/RT)	1060-1210	(490)	3	a,b,f
	Li_2MoO_4-Na_2MoO_4				
0-100	k = 15.839 exp(- 21250.89153/RT)	1001-1132	(491)	6	a,f
20-80	k = 21.93 exp(- 23610.70701/RT)	890-1050		6	a,f
38-62	k = 22.24 exp(- 23112.80268/RT)	830-1090		6	a,f
45-55	k = 30.637 exp(- 25443.32967/RT)	810-990		6	a,f
52-48	k = 30.472 exp(- 25142.07663/RT)	810-990		6	a,f
75-25	k = 17.764 exp(- 19740.44226/RT)	970-1050		6	a,f
100-0	k = 23.532 exp(- 18938.77445/RT)	1030-1130	(492)	6	a,f
For additional Li_2MoO_4 systems, see : K_2MoO_4-					
	Li_2SO_4				
100	k = 18.9289 exp(- 14258.05534/RT)	1140-1245	±3%	6	a,f
	Li_2SO_4-Li_2WO_4				
50-50	k = 23.8887 exp(- 19964.70841/RT)	920-1180		3	a,f
	Li_2SO_4-$MgSO_4$				
96.0-4.0	k = 20.751 exp(- 15468.50679/RT)	1110-1220		6	a,b,f
	Li_2SO_4-Na_2SO_4				
0-100	k = 11.8933 exp(- 15982.72899/RT)	1153-1342	(493)	6	a,f
10-90	k = 12.478 exp(- 16083.56508/RT)	1100-1253		6	a,f
20-80	k = 12.699 exp(- 16309.50486/RT)	1038-1338		6	a,f
30-70	k = 17.077 exp(- 16405.73847/RT)	995-1272		6	a,f
40-60	k = 19.057 exp(- 19376.42817/RT)	915-1155		6	a,f
50-50	k = 22.504 exp(- 20012.40681/RT)	909-1068		6	a,f
60-40	k = 24.498 exp(- 20125.3767/RT)	901-1056		6	a,f
70-30	k = 20.006 exp(- 17874.34704/RT)	923-1178		6	a,f
80-20	k = 19.356 exp(- 16827.91113/RT)	990-1213		6	a,f
90-10	k = 16.974 exp(- 14342.99196/RT)	1296-1305		6	a,f
95.11-4.89	k = 17.345 exp(- 14121.23625/RT)	1116-1182		6	a,f
98.0-2.0	k = 18.804 exp(- 14338.80789/RT)	1140-1190		6	a,f
100-0	k = 18.9289 exp(- 14258.05534/RT)	1136-1204	(494)	6	a,f
	Li_2SO_4-Rb_2SO_4				
50.0-50.0	k = 13.494 exp(- 23355.47874/RT)	1050-1210		6	a,f
93.49-6.51	k = 20.831 exp(- 17769.74529/RT)	970-1120		6	a,f
98.0-2.0	k = 18.221 exp(- 14552.19546/RT)	1090-1160		6	a,f
99.0-1.0	k = 18.047 exp(- 14091.94776/RT)	1130-1220		6	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
100-0	k = 18.9289 exp(- 14258.05534/RT)	1140-1200	(495)	6	a,f
	Li_2SO_4-Tl_2SO_4				
50.0-50.0	k = 11.829 exp(- 19765.54668/RT)	1040-1200		6	a,f
	Li_2SO_4-$ZnSO_4$				
25-75	k = 30.781 exp(- 32434.91064/RT)	1020-1140		6	a,f
33-67	k = 11.832 exp(- 23121.17082/RT)	940-960		6	a,f
50-50	k = 10.255 exp(- 19213.24944/RT)	780-980		6	a,f
67-33	k = 21.094 exp(- 20242.53066/RT)	860-1060		6	a,b,f
75-25	k = 23.218 exp(- 19481.02992/RT)	940-1020		6	a,f
For additional Li_2SO_4 systems, see : Ag_2SO_4- ; Ba_2SO_4- ; $CdSO_4$- ; Cs_2SO_4- ; K_2CO_3- ; K_2SO_4- ; K_2WO_4-					
	$Li_2S_{3.9}$				
100	k = 56.442 exp(- 22417.41025/RT)	726-802	±3%	29	k
	Li_2WO_4				
100	k = 16.969 exp(- 18758.44103/RT)	1085-1150	±5%	6	a,f
	Li_2WO_4-Na_2WO_4				
0-100	k = 14.389 exp(- 22016.57634/RT)	974-1146	(496)	6	
15-85	k = 29.295 exp(- 27861.72213/RT)	921-1088		6	a,b,f
30-70	k = 20.59 exp(- 24585.59532/RT)	881-1083		6	a,f
40-60	k = 25.184 exp(- 26372.19321/RT)	833-1023		6	a,f
52.6-47.4	k = 34.444 exp(- 28255.02471/RT)	812-982		6	a,f
70-30	k = 14.913 exp(- 20861.77302/RT)	910-1084		6	a,f
85-15	k = 10.107 exp(- 15531.26784/RT)	977-1124		6	a,f
100-0	k = 16.969 exp(- 18758.44103/RT)	1100-1140	(497)	6	a,f
	Li_2WO_4-WO_3				
44.95-55.05	k = 31.6393 exp(- 30024.04951/RT)	1080-1200		3	a,f
49.99-50.01	k = 31.4187 exp(- 28796.02496/RT)	1050-1170		3	a,f
59.98-40.02	k = 27.4282 exp(- 24577.64559/RT)	1050-1200		3	a,f
69.92-30.08	k = 34.0647 exp(- 27626.9958/RT)	1020-1080		3	a,f
79.51-20.49	k = 34.183 exp(- 26021.56814/RT)	990-1170		3	a,f
88.86-11.14	k = 26.5052 exp(- 24039.15578/RT)	1020-1170		3	a,f
100-0	k = 20.46 exp(- 21514.48794/RT)	1040-1160	(498)	3	a,f
For additional Li_2WO_4 systems, see : Li_2SO_4-					
	Li_3AlF_6				
100	k = 9.6349 exp(- 9577.33623/RT)	1180-1363	±3%	6	a,c,f
	Li_3AlF_6-Na_3AlF_6				
5-95	k = 15.356 exp(- 18122.8808/RT)	1180-1370		6	a,f
10-90	k = 7.6556 exp(- 10518.75198/RT)	1180-1370		6	a,f
15-85	k = 10.708 exp(- 14086.09006/RT)	1180-1370		6	a,f
20-80	k = 12.401 exp(- 15643.40092/RT)	1180-1370		6	a,f
25-75	k = 15.683 exp(- 18090.24505/RT)	1180-1370		6	a,f
30-70	k = 14.152 exp(- 16726.65664/RT)	1180-1370		6	a,f
35-65	k = 11.049 exp(- 13944.25009/RT)	1180-1370		6	a,f
40-60	k = 12.06 exp(- 14913.69911/RT)	1180-1370		6	a,f
45-55	k = 12.103 exp(- 14585.24961/RT)	1180-1370		6	a,f
55-45	k = 14.47 exp(- 16386.07334/RT)	1180-1370		6	a,f
62.5-37.5	k = 11.222 exp(- 13191.5359/RT)	1180-1370		6	a,f
70-30	k = 15.709 exp(- 16744.22973/RT)	1180-1370		6	a,f
80-20	k = 10.197 exp(- 11452.218/RT)	1180-1370		6	a,f
90-10	k = 11.106 exp(- 11619.16239/RT)	1180-1370		6	a,f
100-0	k = 9.6349 exp(- 9577.33623/RT)	1180-1363	(499)	6	a,f
	$MgBr_2$				
100	k = 8.696 exp(- 20689.80774/RT)	987-1244	±4%	1	a,f
	$MgCl_2$				
100	k = 7.374 exp(- 16313.68893/RT)	987-1252	±2%	1	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation / Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$MgCl_2$-MgO				
98.2-1.8	k = 6.86689 exp(- 15809.09009/RT)	1000-1240		3	a,f
	$MgCl_2$-NaCl				
0-100	k = 7.797 exp(- 6851.83303/RT)	1100-1130	(500)	5	a,f
20-80	k = 6.925 exp(- 7449.73664/RT)	1020-1060		5	a,f
40-60	k = 5.746 exp(- 8150.56836/RT)	1000-1090		5	a,f
60-40	k = 9.585 exp(- 13560.57087/RT)	1000-1010		5	a,f
80-20	k = 7.355 exp(- 13109.94653/RT)	1000-1050		5	a,f
100-0	k = 10.193 exp(- 19089.81938/RT)	1020-1080	(501)	5	a,f
For additional $MgCl_2$ systems, see : $AlCl_3$- ; $BaCl_2$- ; $CaCl_2$- ; KCl- ; LiCl-					
	MgF_2-Na_3AlF_6				
0-100	k = 6.112 exp(- 9363.94866/RT)	1273-1423	(502)	3	a,f
6.0-94.0	k = 6.51 exp(- 10256.41079/RT)	1273-1423		3	a,f
37.3-62.7	k = 6.346 exp(- 10422.09996/RT)	1273-1423		3	a,f
49.4-50.6	k = 6.591 exp(- 11098.24568/RT)	1273-1423		3	a,f
94.1-5.9	k = 7.615 exp(- 13370.19569/RT)	1273-1423		3	a,f
	MgI_2				
100	k = 13.07 exp(- 26497.71531/RT)	910-1176	±4%	1	a,f
	$Mg(NO_3)_2$				
For $Mg(NO_3)_2$ systems, see : $AgNO_3$-					
	MgO				
For MgO systems, see : CaF_2- ; $MgCl_2$-					
	$MgSO_4$				
For $MgSO_4$ systems, see : Li_2SO_4-					
	$MnBr_2$				
For $MnBr_2$ systems, see : $AlBr_3$-					
	$MnCl_2$				
100	k = 4.9986 exp(- 9399.93166/RT)	923-1123	±4%	1	a,f
	$MnCl_2$-NaCl				
0-100	k = 17.354 exp(- 18641.70548/RT)	1099-1174	(503)	18	k
9.94-90.06	k = 8.199 exp(- 8727.97002/RT)	1053-1143		18	k
19.98-80.02	k = 6.781 exp(- 8008.72839/RT)	977-1128		18	k
29.85-70.15	k = 7.611 exp(- 9715.41054/RT)	884-1074		18	k
39.71-60.29	k = 8.689 exp(- 11377.74155/RT)	733-1100		18	k
49.78-50.22	k = 7.801 exp(- 10864.35616/RT)	775-1108		18	k
59.12-40.88	k = 8.143 exp(- 11555.14612/RT)	766-1112		18	k
70.89-29.11	k = 7.322 exp(- 11108.70585/RT)	848-1122		18	k
74.44-25.56	k = 6.719 exp(- 10689.88044/RT)	878-1124		18	k
90.56-9.44	k = 6.14 exp(- 10620.42488/RT)	916-1119		18	k
100-0	k = 5.493 exp(- 10194.90496/RT)	931-1106	(504)	18	k
	$MnCl_2$-RbCl				
0-100	k = 6.945 exp(- 12639.23866/RT)	999-1107	(505)	18	k
9.67-90.33	k = 6.166 exp(- 12733.38023/RT)	1003-1104		18	k
20.36-79.64	k = 6.092 exp(- 14003.66388/RT)	882-1105		18	k
30-70	k = 6.435 exp(- 15262.23214/RT)	785-1087		18	k
40-60	k = 5.005 exp(- 13439.65125/RT)	897-1090		18	k
50-50	k = 4.286 exp(- 11755.14467/RT)	868-1105		18	k
60-40	k = 4.08 exp(- 10648.45815/RT)	816-1097		18	k
70-30	k = 6.967 exp(- 14296.96719/RT)	778-1104		18	k
79-21	k = 6.554 exp(- 13259.31783/RT)	848-1106		18	k
90-10	k = 5.509 exp(- 11080.25417/RT)	956-1103		18	k
100-0	k = 5.493 exp(- 10194.90496/RT)	931-1106	(506)	18	k

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional $MnCl_2$ systems, see : CsCl- ; KCl- ; LiCl-						
		MnF_2				
100	k = 16.9026 exp(- 12561.41495/RT)		1223-1273	±5%	1	a,f
		MoO_3				
100	k = 11.642 exp(- 23372.21502/RT)		1096-1187	±5%	1	a,f
		MoO_3-Na_2MoO_4				
0-100	k = 15.609 exp(- 21388.96584/RT)		1030-1230	(507)	3	a,f
10-90	k = 12.9668 exp(- 20271.40074/RT)		1050-1230		3	a,f
20-80	k = 16.1599 exp(- 21696.07658/RT)		1030-1090		3	a,f
28-72	k = 30.6736 exp(- 27217.79376/RT)		930-1090		3	a,f
34-66	k = 18.6285 exp(- 23077.65649/RT)		930-1080		3	a,f
50-50	k = 20.835 exp(- 25389.77357/RT)		930-1080		3	a,f
60-40	k = 19.735 exp(- 25473.45497/RT)		930-1090		3	a,f
70-30	k = 27.727 exp(- 28598.53686/RT)		930-1080		3	a,f
78-22	k = 46.7844 exp(- 33531.55539/RT)		930-1080		3	a,f
88-12	k = 4.28398 exp(- 15509.09227/RT)		930-1080		3	a,f
90.2-9.8	k = 17.4519 exp(- 26388.92949/RT)		1070-1150		3	a,f
100-0	k = 11.642 exp(- 23372.21502/RT)		1080-1180	(508)	3	a,f
For additional MoO_3 systems, see : K_2MoO_4- ; Li_2MoO_4-						
		$NaAlCl_4$				
100	k = - 1.59838 + 0.00601589 T - 3.29411 x 10^{-6} T^2		448-673	±2%	9	d
For additional $NaAlCl_4$ systems, see : $KAlCl_4$-$LiAlBr_4$-						
		$NaBF_4$				
100	k = 5.2325 exp(- 6447.65187/RT)		700-780	±20%	6	a,f
		$NaBF_4$-NaF				
20.3-79.7	k = 78458.9 exp(- 83860.05979/RT)		1023-1073		14	a,f
27.7-72.3	k = 3895.7 exp(- 52691.66714/RT)		873-1073		14	a,f
36.5-63.5	k = 4394.9 exp(- 50782.8944/RT)		723-1073		14	a,f
47.2-52.8	k = 1655.8 exp(- 41321.87532/RT)		723-1073		14	a,f
60.5-39.5	k = 779.7 exp(- 34859.99761/RT)		723-1073		14	a,f
77.5-22.5	k = 531.7 exp(- 31758.76493/RT)		723-1073		14	a,f
		NaBr				
100	k = 9.097 exp(- 9723.77868/RT)		1030-1229	±5%	1	a,f
		NaBr-NaCl				
0-100	k = 7.6005 exp(- 6704.13536/RT)		1080-1223	(509)	2	a,f
20-80	k = 7.1469 exp(- 6579.86848/RT)		1073-1223		2	a,f
40-60	k = 6.897 exp(- 6671.49962/RT)		1056-1228		2	a,f
50-50	k = 6.6216 exp(- 6220.45687/RT)		1043-1223		2	a,f
60-40	k = 6.5131 exp(- 6502.04478/RT)		1038-1223		2	a,f
80-20	k = 6.0807 exp(- 6158.11423/RT)		1080-1223		2	a,f
100-0	k = 5.845 exp(- 5994.9355/RT)		1043-1223	(510)	2	a,f
		NaBr-NaI				
0-100	k = 5.5351 exp(- 6439.28373/RT)		943-1153	(511)	2	a,f
20-80	k = 5.4124 exp(- 6339.70286/RT)		981-1124		2	a,f
40-60	k = 5.4124 exp(- 6621.29078/RT)		963-1127		2	a,f
60-40	k = 5.7318 exp(- 6511.24973/RT)		991-1133		2	a,f
80-20	k = 5.8889 exp(- 6440.95736/RT)		1007-1127		2	a,f
100-0	k = 5.845 exp(- 5994.9355/RT)		1043-1223	(512)	2	a,f
		NaBr-Na_2CrO_4				
0-100	k = 21.858 exp(- 21290.22179/RT)		1073-1113	(513)	3	a,f
10-90	k = 17.955 exp(- 18976.01267/RT)		1073-1113		3	a,f
30-70	k = 15.288 exp(- 16567.66198/RT)		1033-1113		3	a,f
50-50	k = 17.649 exp(- 17085.64985/RT)		1033-1113		3	a,f
70-30	k = 11.726 exp(- 12678.56891/RT)		1033-1113		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
90-10	k = 4.898 exp(- 4127.08297/RT)	1033-1113		3	a,f
100-0	k = 6.714 exp(- 6738.44474/RT)	1033-1113	(514)	3	a,f
	$NaBr-PbBr_2$				
0-100	k = 11.966 exp(- 15981.47377/RT)	660-920	(515)	4	a,f
8-92	k = 11.909 exp(- 15816.62141/RT)	660-920		4	a,f
15-85	k = 8.506 exp(- 13463.91885/RT)	660-1020		4	a,f
20-80	k = 8.049 exp(- 12971.03541/RT)	660-1020		4	a,f
25-75	k = 7.796 exp(- 12670.20077/RT)	660-1020		4	a,f
30-70	k = 7.057 exp(- 11866.02252/RT)	680-1020		4	a,f
35-65	k = 7.098 exp(- 11680.24981/RT)	700-1020		4	a,f
40-60	k = 6.658 exp(- 11133.39186/RT)	760-1020		4	a,f
45-55	k = 6.647 exp(- 11070.21241/RT)	760-1020		4	a,f
55-45	k = 6.676 exp(- 10945.94553/RT)	800-1020		4	a,f
65-35	k = 6.252 exp(- 9604.53269/RT)	940-1020		4	a,f
80-20	k = 9.91 exp(- 12205.769/RT)	960-1020		4	a,f
	NaBr-RbBr				
0-100	k = 4.781 exp(- 11525.85763/RT)	980-1140	(516)	4	a,b,f
50-50	k = 5.336 exp(- 9811.64415/RT)	960-1150		4	a,b,f
100-0	k = 5.845 exp(- 5994.9355/RT)	1050-1220	(517)	4	a,b,f
	$NaBr-ScBr_3$				
30-70	k = 30.196 exp(- 36014.80093/RT)	1193-1233		4	a,f
40-60	k = 6.902 exp(- 18137.10664/RT)	1113-1233		4	a,f
50-50	k = 6.958 exp(- 16505.73774/RT)	1033-1233		4	a,f
60-40	k = 11.171 exp(- 19913.24435/RT)	993-1233		4	a,f
70-30	k = 7.079 exp(- 14679.39119/RT)	873-1233		4	a,f
80-20	k = 7.384 exp(- 12614.55264/RT)	913-1233		4	a,f
90-10	k = 7.568 exp(- 10227.1223/RT)	993-1233		4	a,f
100-0	k = 7.742 exp(- 8160.19172/RT)	1033-1233	(518)	4	a,f
For additional NaBr systems, see : AgBr- ; AgCl- ; $AlBr_3$- ; $AlCl_3$- ; $CdBr_2$- ; CsCl- ; $HgBr_2$- ; KBr- ; KCl- ; LiBr-					
	NaCl				
100	k = 7.6426 exp(- 6742.62881/RT)	1080-1290	±1%	3	d
	NaCl-NaI				
0-100	k = 5.5351 exp(- 6439.28373/RT)	943-1153	(519)	2	a,f
20-80	k = 5.7024 exp(- 6774.84614/RT)	976-1133		2	a,f
60-40	k = 6.1719 exp(- 7236.34907/RT)	928-1123		2	a,f
60-40	k = 6.5709 exp(- 7284.88428/RT)	997-1133		2	a,f
80-20	k = 7.1393 exp(- 7194.50837/RT)	1034-1153		2	a,f
100-0	k = 7.5822 exp(- 6679.03094/RT)	1080-1223	(520)	2	a,f
	$NaCl-NaNO_3$				
0-100	k = 10.1382 exp(- 11156.40425/RT)	598-723	(521)	3	a,f
1.07-98.93	k = 10.014 exp(- 10979.83649/RT)	598-723		3	a,f
2.07-97.93	k = 11.245 exp(- 11626.69372/RT)	598-723		3	a,f
3.1-96.9	k = 9.634 exp(- 10722.09778/RT)	598-723		3	a,f
3.96-96.04	k = 11.4583 exp(- 11719.58007/RT)	600-720		3	a,f
4.34-95.66	k = 10.2443 exp(- 11101.59293/RT)	598-723		3	a,f
5.15-94.85	k = 10.4394 exp(- 11167.28283/RT)	598-723		3	a,f
5.96-94.04	k = 12.8964 exp(- 12399.90985/RT)	600-720		3	a,f
7.05-92.95	k = 9.62165 exp(- 10723.353/RT)	598-723		3	a,f
8.01-91.99	k = 12.1528 exp(- 12099.07522/RT)	600-720		3	a,f
9.2-90.8	k = 12.1598 exp(- 12176.89892/RT)	598-723		3	a,f
9.97-90.03	k = 11.372 exp(- 11705.77264/RT)	620-720		3	a,f
11-89	k = 11.5562 exp(- 11804.9351/RT)	648-723		3	a,f
12.29-87.71	k = 8.351 exp(- 9885.70219/RT)	660-720		3	a,f
13.2-86.8	k = 9.16045 exp(- 10457.66456/RT)	673-723		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$NaCl-NaOH-Na_2CO_3$				
1.9-96.4-1.7	k = 22.185 exp(- 12845.0949/RT)	600-720		3	a,f
2.0-97.4-0.6	k = 24.675 exp(- 12802.41739/RT)	593-723		3	a,f
2.0-96.4-1.6	k = 24.109 exp(- 13235.05022/RT)	593-723		3	a,f
2.0-96.1-1.9	k = 21.716 exp(- 12820.82729/RT)	593-723		3	a,f
2.1-94.3-3.6	k = 22.344 exp(- 13377.72701/RT)	593-723		3	a,f
2.1-94.0-3.9	k = 22.682 exp(- 13502.8307/RT)	593-723		3	a,f
2.1-92.9-5.0	k = 23.078 exp(- 13910.35912/RT)	593-723		3	a,f
2.3-87.2-10.5	k = 23.703 exp(- 14698.63791/RT)	593-723		3	a,f
3.6-94.7-1.7	k = 19.1757 exp(- 12489.44895/RT)	620-720		3	a,f
3.8-94.5-1.7	k = 20.0419 exp(- 12772.71049/RT)	600-720		3	a,f
6.1-92.2-1.7	k = 17.4039 exp(- 12458.90524/RT)	600-720		3	a,f
7.3-91.0-1.7	k = 17.325 exp(- 12533.80009/RT)	640-720		3	a,f
10.0-88.3-1.7	k = 17.7172 exp(- 12948.02302/RT)	600-720		3	a,f
	$NaCl-NaPO_3$				
100-0 $NaPO_3$	k = 3.8119 - 0.0258 C	1123	(522)	3	a
	$NaCl-Na_2B_4O_7$				
0-100	k = 434.2 exp(- 66238.01217/RT)	1023-1123	(523)	3	a,f
7.5-92.5	k = 483.452 exp(- 65744.29191/RT)	1020-1130		3	a,f
23.5-76.5	k = 158.628 exp(- 52715.09793/RT)	1020-1130		3	a,f
39.2-60.8	k = 183.419 exp(- 50409.67536/RT)	1080-1130		3	a,f
49.3-50.7	k = 171.807 exp(- 47510.11485/RT)	1080-1130		3	a,f
	$NaCl-Na_2CO_3$				
0-100	k = 25.08 exp(- 23041.67349/RT)	1103-1323	(524)	3	a,f
66.7-33.3	k = 13.4811 exp(- 14813.69984/RT)	930-1310		3	a,f
80-20	k = 13.0294 exp(- 13575.21512/RT)	990-1310		3	a,f
	$NaCl-Na_2SO_4$				
15.9-84.1	(T=1073 K, k=3.332)			3	a,o
25.7-74.3	(T=1073 K, k=3.195)			3	a,o
34.8-65.2	(T=1023 K, k=2.877)			3	a,o
45.1-54.9	(T=1023 K, k=2.795)			3	a,o
65.4-34.6	(T=1023 K, k=2.395)			3	a,o
66.3-33.7	(T=1073 K, k=2.573)			3	a,o
76.5-23.5	(T=1023 K, k=2.173)			3	a,o
88.0-12.0	(T=1073 K, k=2.086)			3	a,o
	$NaCl-Na_2TiF_6$				
0-100	k = 24.66 exp(- 21719.50737/RT)	1000-1150	(525)	3	a,f
15.79-84.21	k = 3.91394 exp(- 8868.97318/RT)	1000-1150		3	a,f
28.33-71.67	k = 6.36913 exp(- 11553.05408/RT)	1000-1140		3	a,f
38.56-61.44	k = 9.64559 exp(- 14801.56603/RT)	970-1100		3	a,f
47.07-52.93	k = 10.154 exp(- 13823.33047/RT)	1000-1120		3	a,f
54.25-45.75	k = 12.9295 exp(- 15689.42569/RT)	970-1100		3	a,f
60.38-39.62	k = 9.44362 exp(- 12381.08154/RT)	1000-1120		3	a,f
65.70-34.30	k = 14.8016 exp(- 15529.59421/RT)	1000-1120		3	a,f
70.33-29.67	k = 16.9259 exp(- 15740.88975/RT)	1000-1100		3	a,f
78.05-21.95	k = 14.9208 exp(- 13803.66534/RT)	1020-1120		3	a,f
89.25-10.75	k = 18.7331 exp(- 14550.94024/RT)	1020-1120		3	a,f
93.43-6.57	k = 20.0354 exp(- 14723.32392/RT)	1050-1140		3	a,f
96.97-3.03	k = 12.5387 exp(- 9927.12448/RT)	1050-1140		3	a,f
	$NaCl-Na_3AlF_6$				
0-100	k = 9.088 exp(- 12447.60825/RT)	1270-1370	(526)	3	a,f
15.8-84.2	k = 8.27555 exp(- 11225.85981/RT)	1280-1360		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
28.5-71.5	k = 8.81874 exp(- 11746.77653/RT)	1250-1340		3	a,f
38.8-61.2	k = 8.4599 exp(- 11168.11964/RT)	1240-1360		3	a,f
47.4-52.6	k = 8.40651 exp(- 11096.99045/RT)	1240-1340		3	a,f
60.6-39.4	k = 7.73483 exp(- 10109.54993/RT)	1200-1330		3	a,f
70.5-29.5	k = 6.83936 exp(- 8515.41926/RT)	1200-1320		3	a,f
78.2-21.8	k = 6.33412 exp(- 7248.48287/RT)	1200-1320		3	a,f
84.2-15.8	k = 5.72429 exp(- 5775.69023/RT)	1210-1340		3	a,f
89.3-10.7	k = 5.89752 exp(- 5433.4333/RT)	1200-1330		3	a,f
93.5-6.5	k = 6.32268 exp(- 5626.73734/RT)	1200-1310		3	a,f
97.1-2.9	k = 6.13469 exp(- 4699.96583/RT)	1180-1320		3	a,f
100-0	k = 7.959 exp(- 6928.81992/RT)	1200-1330	(527)	3	a,f
	$NaCl-Na_4P_2O_7$				
0-100	k = 22.812 exp(- 24568.85904/RT)	1270-1320	(528)	3	a,f
20.3-79.7	k = 29.9149 exp(- 26873.8632/RT)	1270-1320		3	a,f
39.8-60.2	k = 30.9955 exp(- 26611.52201/RT)	1230-1320		3	a,f
60.3-39.7	k = 23.6082 exp(- 22698.57975/RT)	1120-1270		3	a,f
68.4-31.6	k = 14.9471 exp(- 17648.40726/RT)	1070-1320		3	a,f
80.9-19.1	k = 12.9222 exp(- 15113.69765/RT)	1070-1320		3	a,f
90.1-9.9	k = 11.989 exp(- 13058.90088/RT)	1073-1273		3	a,f
95.5-4.5	k = 8.82254 exp(- 9298.67717/RT)	1123-1323		3	a,f
100-0	k = 6.87326 exp(- 5848.91145/RT)	1073-1323	(529)	3	a,f
	$NaCl-NbCl_5$				
78.3-21.7	k = 2031.2 exp(- 65484.04276/RT)	1073-1123		5	a,f
87.6-12.4	k = 93.81 exp(- 33486.36743/RT)	1073-1123		5	a,f
87.7-12.3	k = 94.868 exp(- 33627.37059/RT)	1073-1123		5	a,f
92.1-7.9	(T=1123 K, k=2.98)			5	a,f
92.8-7.2	(T=1123 K, k=2.94)			5	a,f
100-0	k = 17.995 exp(- 15027.50581/RT)	1073-1123	(530)	5	a,f
	$NaCl-NdCl_3$				
0-100 NaCl	k = 74.41 + 0.0311 C + 0.01418 C^2 - 2.6954 x 10^{-4} C^3 + 1.806 x 10^{-6} C^4	1073	(531)	5	a,n,t
	$NaCl-PbCl_2$				
0.0-100.0	k = 12.297 exp(- 13480.65513/RT)	830-1070	(532)	5	a,f
10.0-90.0	k = 10.879 exp(- 12502.41957/RT)	830-1070		5	a,f
20.0-80.0	k = 13.654 exp(- 14148.85111/RT)	780-1070		5	a,f
28.0-72.0	k = 11.358 exp(- 12731.7066/RT)	780-1070		5	a,f
50.0-50.0	k = 11.217 exp(- 12465.18134/RT)	880-1070		5	a,f
66.7-33.3	k = 10.744 exp(- 11685.6891/RT)	950-1070		5	a,f
80.0-20.0	k = 33.458 exp(- 20923.27885/RT)	1060-1080		5	a,f
	$NaCl-PrCl_3$				
0-100	k = 14.69999 exp(- 24198.06676/RT)	1071-1262	(533)	17	k
24.9-75.1	k = 14.24889 exp(- 22797.19828/RT)	993-1252		17	k
37.6-62.4	k = 13.65176 exp(- 20812.27547/RT)	932-1269		17	k
50.7-49.3	k = 11.47897 exp(- 17994.47169/RT)	870-1250		17	k
63.0-37.0	k = 10.36904 exp(- 15782.52124/RT)	803-1266		17	k
74.7-25.3	k = 7.679356 exp(- 11382.63691/RT)	910-1256		17	k
87.2-12.8	k = 6.776232 exp(- 8356.63381/RT)	1050-1262		17	k
100-0	k = 6.927953 exp(- 5763.2217/RT)	1115-1258	±1.5%,(534)	17	k
0-100 NaCl	k = 76.7 + 0.0222 C + 0.014364 C^2 - 2.9872 x 10^{-4} C^3 + 2.0896 x 10^{-6} C^4	1073	(535)	5	a,n,t
	NaCl-RbCl				
0-100	k = 6.246 exp(- 11673.5553/RT)	1020-1190	(536)	5	a,f
25-75	k = 6.204 exp(- 10860.17209/RT)	1050-1160		5	a,f
50-50	k = 6.525 exp(- 10163.10603/RT)	1060-1150		5	a,f
75-25	k = 6.875 exp(- 8822.94841/RT)	1050-1150		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
100-0	k = 7.689 exp(- 6808.73711/RT)	1090-1170	(537)	5	a,f
	$NaCl-ScCl_3$				
20-80	(T=1233 K, k=1.02)			5	a
30-70	(T=1233 K, k=1.14)			5	a
40-60	k = 3.673 exp(- 11132.97346/RT)	1153-1233		5	a,f
50-50	k = 5.833 exp(- 14067.68015/RT)	993-1233		5	a,f
60-40	k = 8.179 exp(- 15222.90188/RT)	833-1233		5	a,f
70-30	k = 7.885 exp(- 13124.59078/RT)	833-1233		5	a,f
80-20	k = 7.283 exp(- 10448.0412/RT)	993-1233		5	a,f
90-10	k = 6.999 exp(- 7791.57515/RT)	1073-1233		5	a,f
100-0	k = 7.199 exp(- 6298.28057/RT)	1073-1233	(538)	5	a,f
	$NaCl-SmCl_3$				
0-100 NaCl	k = 66.79 + 0.1365 C + 0.019343 C^2 - 4.2081 x 10^{-4} C^3 + 2.8409 x 10^{-6} C^4	1073	(539)	5	a,n,t
	$NaCl-SrCl_2$				
0-100	k = 14.975 exp(- 19521.19699/RT)	1148-1273	(540)	19	k
10-90	k = 12.699 exp(- 17880.62315/RT)	1023-1273		19	k
20-80	k = 11.841 exp(- 16928.74722/RT)	973-1273		19	k
30-70	k = 11.398 exp(- 16185.65639/RT)	948-1273		19	k
40-60	k = 11.243 exp(- 15635.03278/RT)	948-1273		19	k
50-50	k = 10.946 exp(- 14896.96283/RT)	948-1273		19	k
60-40	k = 10.946 exp(- 14290.69109/RT)	948-1273		19	k
70-30	k = 10.458 exp(- 13041.74619/RT)	948-1273		19	k
80-20	k = 9.793 exp(- 11409.12208/RT)	998-1273		19	k
90-10	k = 8.142 exp(- 8414.16477/RT)	1073-1273		19	k
100-0	k = 8.884 exp(- 8144.71066/RT)	1123-1273	(541)	19	k
	$NaCl-ThCl_4$				
30-70	(T=973 K, k=0.58)			5	a
40-60	k = 9.3 exp(- 18996.09621/RT)	873-973		5	a,f
50-50	k = 7.635 exp(- 16201.55585/RT)	823-973		5	a,f
60-40	k = 8.137 exp(- 15219.13622/RT)	823-973		5	a,f
70-30	k = 7.452 exp(- 14594.45457/RT)	823-973		5	a,f
80-20	k = 10.48 exp(- 15774.36231/RT)	973-1073		5	a,f
Isothermal Data points	(C=100-0, k=3.61) (C=90-10, k=2.46)	1073	(542)	5	a
	$NaCl-TiCl_3$				
0-40 $TiCl_3$	k = 3.5 - 0.2728 C + 0.018 C^2 - 5.2665 x 10^{-4} C^3 + 5.437 x 10^{-6} C^4	1073	(543)	5	a,n
	$NaCl-UCl_3$				
15.1-84.9	k = 8.997 exp(- 19372.66251/RT)	1080-1210		5	a,f
24.9-75.1	k = 12.207 exp(- 22713.224/RT)	1070-1220		5	a,f
45.1-54.9	k = 8.399 exp(- 17547.98958/RT)	1020-1210		5	a,f
55.0-45.0	k = 9.454 exp(- 17091.08914/RT)	950-1210		5	a,f
68.3-31.7	k = 7.243 exp(- 13641.32342/RT)	880-1100		5	a,f
74.3-25.7	k = 5.438 exp(- 10018.33721/RT)	950-1120		5	a,f
80.0-20.0	k = 5.593 exp(- 9041.77527/RT)	970-1110		5	a,f
95.0-5.0	k = 3.009 exp(- 2976.96581/RT)	1070-1170		5	a,f
	$NaCl-UCl_4$				
0.00-100.00	k = 5.216 exp(- 18104.05248/RT)	872-1001	(544)	5	a,f
3.41-96.59	k = 6.179 exp(- 19010.32205/RT)	870-930		5	a,f
7.31-92.69	k = 6.138 exp(- 18468.48498/RT)	860-920		5	a,f
11.87-88.13	k = 6.492 exp(- 18232.08503/RT)	850-910		5	a,f
19.08-80.92	k = 5.44 exp(- 15987.74988/RT)	830-930		5	a,f
28.85-71.15	k = 9.4 exp(- 18919.94613/RT)	830-910		5	a,f
38.85-61.15	k = 5.308 exp(- 13472.28699/RT)	790-920		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
48.76-51.24	k = 4.428 exp(- 10768.95937/RT)	800-920		5	a,f
55.72-44.28	k = 4.088 exp(- 9538.84279/RT)	830-890		5	a,f
67.80-32.20	k = 4.618 exp(- 9425.45449/RT)	760-910		5	a,f
	$NaCl-ZnCl_2$				
0.00-100.00	k = - 0.97574 + 0.0055534 T - 1.04507 x 10^{-5} T^2 + 6.5176 x 10^{-9} T^3	600-840	(545)	5	a,b,n
2.64-97.36	k = 0.81694 - 0.00222235 T + 4.4201 x 10^{-7} T^2 + 1.69466 x 10^{-9} T^3	600-860		5	a
10.06-89.94	k = 1.9342 - 0.0079397 T + 9.5769 x 10^{-6} T^2 - 2.6725 x 10^{-9} T^3	580-860		5	a
15.83-84.17	k = 80.3645 exp(- 33842.43179/RT)	580-860		5	a,f
20.84-79.16	k = 92.7771 exp(- 32646.62458/RT)	580-760		5	a,f
30.35-69.65	k = 29.4429 exp(- 23408.61643/RT)	560-880		5	a,f
38.12-61.88	k = 39.2446 exp(- 23603.59409/RT)	540-760		5	a,f
52.50-47.50	k = 16.4294 exp(- 17049.66684/RT)	620-880		5	a,f
62.60-37.40	k = 13.498 exp(- 15148.00703/RT)	700-860		5	a,f
	$NaCl-ZrCl_4$				
68.1-31.9	k = 9.162 exp(- 16527.91331/RT)	923-1073		5	a,f
68.3-31.7	k = 5.068 exp(- 11173.55894/RT)	723-873		5	a,f
79.8-20.2	(T=723.2 K, k=1.06)			5	a
80.1-19.9	(T=723.2 K, k=1.08)			5	a
81.5-18.5	k = 39.88 exp(- 29390.58131/RT)	1023-1073		5	a,f
85.5-14.5	k = 28.076 exp(- 24853.3758/RT)	1073-1123		5	a,f
92.3-7.7	k = 367.5 exp(- 44721.4322/RT)	1073-1123		5	a,f
96.7-3.3	k = 79.999 exp(- 29687.65028/RT)	1073-1123		5	a,f
96.9-3.1	k = 430.7 exp(- 45325.1935/RT)	1073-1123		5	a,f
100-0	k = 17.827 exp(- 14986.50193/RT)	1073-1123	(546)	5	a,f
For additional NaCl systems, see : AgBr- ; $AlBr_3$- ; $AlCl_3$-Al_2S_3- ; $AlCl_3$-LiCl- ; $AlCl_3$- ; $BaCl_2$- ; $BeCl_2$- ; $CaCl_2$- ; $CdCl_2$- ; CsBr- ; CsCl- ; $DyCl_3$- ; $FeCl_3$-LiCl- ; $FeCl_3$- ; $GaCl_3$- ; $GdCl_3$- ; KBr- ; KCl- ; KF- ; KI- ; K_2SO_4- ; K_2SO_4*Na_2SO_4- ; K_2TiF_6- ; K_2ZrF_6- ; $LaCl_3$- ; LiCl- ;					
	$NaClO_3$				
100	k = 48.3 exp(- 22348.7915/RT)	540-555	±2.5%	6	a,f
	$NaClO_3-NaNO_3$				
38.9-61.1	k = 39.4631 exp(- 19327.47455/RT)	520-550		3	a,f
51.5-48.5	k = 34.4551 exp(- 19100.69796/RT)	520-550		3	a,f
72.7-27.3	k = 53.4328 exp(- 21837.07974/RT)	520-560		3	a,f
100-0	k = 48.3 exp(- 22348.7915/RT)	540-560	(547)	3	a,f
For additional $NaClO_3$ systems, see :					
	$NaClO_4-NaNO_3$				
60-10 $NaClO_4$	k = 1.341 - 0.00612 C + 4.56 x 10^{-5} C^2	673		3	a
	$NaC_2H_3O_2$				
100	k = 12.897 exp(- 21229.55277/RT)	600-630	n.a.	6	a,f
	$NaC_2H_3O_2-RbC_2H_3O_2$				
0-100	k = 27.21 exp(- 24060.91294/RT)	550-620	(548)	6	a,f
25-75	k = 28.323 exp(- 24632.0385/RT)	560-620		6	a,f
50-50	k = 39.405 exp(- 26489.34717/RT)	550-610		6	a,f
75-25	k = 33.335 exp(- 25910.27188/RT)	550-620		6	a,f
100-0	k = 12.897 exp(- 21229.55277/RT)	600-630	(549)	6	a,f
For additional $NaC_2H_3O_2$ systems, see : KNO_3- ; $LiClO_4$- ; $LiNO_3$-					
	NaF				
100	k = 10.49 exp(- 7966.46928/RT)	1276-1411	±5%	1	a,c,f
	$NaF-Na_2B_4O_7$				
0-100	k = 434.2 exp(- 66238.01217/RT)	1023-1123	(550)	3	a,f
8.5-91.5	k = 266.583 exp(- 61208.76003/RT)	1020-1130		3	a,f
27.4-72.6	k = 206.107 exp(- 55928.46369/RT)	1020-1130		3	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
43-57	k = 192.004 exp(- 52166.98476/RT)	1080-1130		3	a,f
62.4-37.6	k = 208.469 exp(- 48317.64036/RT)	1080-1130		3	a,f
	$NaF-Na_3AlF_6$				
0-100	k = 9.267 exp(- 12694.46838/RT)	1270-1350	(551)	3	a,f
35.7-64.3	k = 9.23757 exp(- 11473.97516/RT)	1270-1350		3	a,f
50.0-50.0	k = 9.58462 exp(- 11642.59318/RT)	1270-1350		3	a,f
76.9-23.1	k = 12.2565 exp(- 12235.4759/RT)	1270-1350		3	a,f
100-0	k = 19.932 exp(- 13589.85936/RT)	1270-1350	(552)	3	a,f
	$NaF-SmF_3$				
50.0-50.0	k = 22.333 exp(- 22669.91887/RT)	1280-1340		14	a,f
60.0-40.0	k = 26.626 exp(- 23777.233/RT)	1150-1340		14	a,f
70.0-30.0	k = 19.674 exp(- 19631.23803/RT)	1120-1340		14	a,f
80.0-20.0	k = 18.117 exp(- 16994.85553/RT)	1110-1340		14	a,f
90.0-10.0	k = 18.192 exp(- 14963.48954/RT)	1180-1340		14	a,f
100.0-0.0	k = 21.451 exp(- 15165.16172/RT)	1310-1340	(553)	14	a,f
	$NaF-SrF_2$				
59.9-40.1	k = 22.513 exp(- 15790.68018/RT)	1180-1360		14	a,f
	$NaF-ThF_4$				
50.0-50.0	k = 43.669 exp(- 30091.83144/RT)	1080-1270		14	a,f
60.0-40.0	k = 17.213 exp(- 20977.67176/RT)	1080-1270		14	a,f
67.0-33.0	k = 17.894 exp(- 20661.35607/RT)	1080-1270		14	a,f
80.0-20.0	k = 13.471 exp(- 15308.67532/RT)	1080-1270		14	a,f
88.0-12.0	k = 12.629 exp(- 12564.76221/RT)	1180-1270		14	a,f
100.0-0.0	k = 21.792 exp(- 15343.4031/RT)	1320-1360	(554)	14	a,f
	$NaF-UF_4$				
25.0-75.0	k = 15.405 exp(- 19105.30043/RT)	1180-1280		14	a,f
45.3-54.7	k = 16.611 exp(- 18924.1302/RT)	1080-1280		14	a,f
54.0-46.0	k = 16.94 exp(- 19008.64842/RT)	1060-1280		14	a,f
65.0-35.0	k = 26.525 exp(- 23901.49988/RT)	980-1280		14	a,f
75.0-25.0	k = 21.36 exp(- 21724.94666/RT)	1080-1280		14	a,f
78.0-22.0	k = 17.346 exp(- 19120.36309/RT)	980-1280		14	a,f
85.0-15.0	k = 12.425 exp(- 13871.44727/RT)	1140-1280		14	a,f
100-0	k = 21.792 exp(- 15343.4031/RT)	1310-1360	(555)	14	a,f
	$NaF-YF_3$				
50.0-50.0	k = 29.293 exp(- 26883.48656/RT)	1180-1340		14	a,f
68.0-32.0	k = 21.779 exp(- 21713.23127/RT)	980-1340		14	a,f
71.0-29.0	k = 24.933 exp(- 22368.87503/RT)	980-1340		14	a,f
80.0-20.0	k = 15.639 exp(- 16180.2171/RT)	1100-1340		14	a,f
90.0-10.0	k = 12.811 exp(- 11831.29474/RT)	1220-1340		14	a,f
100.0-0.0	k = 21.792 exp(- 15343.4031/RT)	1320-1340	(556)	14	a,f
	$NaF-ZrF_4$				
50-50	k = 36.405 exp(- 29158.36542/RT)	873-1173		14	k
57-43	k = 21.827 exp(- 22508.20457/RT)	873-1173		14	k
For additional NaF systems, see : $CsC_2H_3O_2$-					
	NaI				
100	k = 8.292 exp(- 10138.00161/RT)	936-1187	±5%	1	a,f
	$NaI-NdI_3$				
0-100	k = 9.437 exp(- 28271.34258/RT)	1093-1196	(557)	4	a,f
10-90	k = 6.13 exp(- 22757.57514/RT)	1093-1196		4	a,f
20-80	k = 6.849 exp(- 22201.93064/RT)	1093-1196		4	a,f
30-70	k = 5.758 exp(- 19046.72345/RT)	1093-1196		4	a,f
40-60	k = 4.99 exp(- 16141.30525/RT)	1093-1196		4	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm⁻¹ cm⁻¹) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
50-50	k = 5.655 exp(- 15854.69645/RT)		1093-1196		4	a,f
60-40	k = 5.214 exp(- 13674.79598/RT)		1093-1196		4	a,f
70-30	k = 5.304 exp(- 12216.22918/RT)		1093-1196		4	a,f
80-20	k = 5.868 exp(- 11533.38896/RT)		1093-1196		4	a,f
90-10	k = 6.726 exp(- 10837.15971/RT)		1093-1196		4	a,f
100-0	k = 5.48763 exp(- 6012.927/RT)		1093-1196	(558)	4	a,f
		NaI-RbI				
0-100	k = 4.132 exp(- 11789.45404/RT)		950-1100	(559)	4	a,f
50-50	k = 4.19 exp(- 8939.26556/RT)		930-1120		4	a,f
100-0	k = 5.465 exp(- 6480.70602/RT)		960-1120	(560)	4	a,f
For additional NaI systems, see : AlF_3- ; $BaCl_2$- ; BaF_2- ; BeF_2- ; CaF_2- ; CeF_3- ; KF- ; LaF_3- ; LiF- ; $NaBF_4$-						
		$NaNO_2$				
100	k = 13.2 exp(- 10878.582/RT)		554-723	±3%	1	a,f
		$NaNO_2$-$NaNO_3$				
0-100	k = 13.4 exp(- 13054.2984/RT)		600-720	(561)	7	a
20.0-80.0	k = 12.4 exp(- 11966.4402/RT)		570-720		7	a
25.0-75.0	k = 11.7 exp(- 11506.1925/RT)		560-720		7	a
50.0-50.0	k = 11.2 exp(- 10962.2634/RT)		520-720		7	a
70.0-30.0	k = 12 exp(- 10962.2634/RT)		520-720		7	a
85.0-15.0	k = 12.6 exp(- 11004.1041/RT)		550-720		7	a
92.5-7.5	k = 13.2 exp(- 11045.9448/RT)		560-720		7	a
100-0	k = 13.2 exp(- 10878.582/RT)		570-720	(562)	7	a
		$NaNO_2$-Na_2MoO_4				
0-100	k = 17.223 exp(- 22181.84711/RT)		990-1170	(563)	3	a,f
30-70	k = 14.4999 exp(- 18804.4658/RT)		870-1030		3	a,f
50-50	k = 11.162 exp(- 15745.07382/RT)		870-990		3	a,f
80-20	k = 10.6824 exp(- 12526.68717/RT)		750-910		3	a,f
92-8	k = 9.41002 exp(- 9799.92875/RT)		630-870		3	a,f
96.8-3.2	k = 10.1533 exp(- 9671.0594/RT)		590-750		3	a,f
100-0	k = 11.1671 exp(- 9811.22574/RT)		630-770	(564)	3	a,f
		$NaNO_2$-Na_2WO_4				
0-100	k = 12.1777 exp(- 20674.74509/RT)		980-1060	(565)	3	a,f
30-70	k = 19.327 exp(- 22278.49912/RT)		940-1020		3	a,f
50-50	k = 13.6808 exp(- 17019.12313/RT)		860-1020		3	a,f
80-20	k = 15.5879 exp(- 15611.60198/RT)		780-940		3	a,f
92-8	k = 9.94107 exp(- 10740.08928/RT)		740-860		3	a,f
97-3	k = 8.96116 exp(- 8973.15652/RT)		620-760		3	a,f
100-0	k = 11.1671 exp(- 9811.22574/RT)		620-760	(566)	3	a,f
		$NaNO_2$-$TlNO_2$				
0-100	k = 6.145 exp(- 9153.07153/RT)		473-533	(567)	7	a,g
10-90	k = 15.6225 exp(- 13252.62332/RT)		473-533		7	a,g
18-82	k = 19.28 exp(- 14212.86738/RT)		473-533		7	a,g
25-75	k = 18.2568 exp(- 13919.98248/RT)		473-553		7	a,g
36-64	k = 19.8449 exp(- 13981.48831/RT)		473-553		7	a,g
54-46	k = 14.6608 exp(- 11844.68376/RT)		493-553		7	a,g
64-36	k = 22.923 exp(- 13337.14153/RT)		533-553		7	a,g
74-26	(T=553 K, k=1.41)				7	a,g
		$NaNO_2$-$TlNO_3$				
0-100	k = 8.81491 exp(- 12786.09951/RT)		513-573	(568)	7	a,g
10-90	k = 11.0168 exp(- 13289.02473/RT)		513-573		7	a,g
16-84	k = 15.2802 exp(- 14442.15442/RT)		453-573		7	a,g
30-70	k = 20.1443 exp(- 15066.41766/RT)		453-573		7	a,g
40-60	k = 25.7803 exp(- 15743.40019/RT)		453-573		7	a,g

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
60-40	k = 33.416 exp(- 16109.92472/RT)	453-573		7	a,g
70-30	k = 41.5886 exp(- 16683.97913/RT)	473-573		7	a,g
85-15	k = 30.0529 exp(- 14532.11192/RT)	513-573		7	a,g
90-10	k = 22.786 exp(- 12976.4747/RT)	533-573		7	a,g
100-0	(T=573 K, k=1.68)		(569)	7	a,g
For additional $NaNO_2$ systems, see : GdI_3- ; KCl- ; KI- ; LaI_3- ; LiI- ; NaBr- ; NaCl-					
	$NaNO_3$				
100	k = 12.103 exp(- 12154.72335/RT)	583-691	±1.5%	1	a,f
	$NaNO_3$-Na_2MoO_4				
0-100	k = 17.223 exp(- 22181.84711/RT)	980-1160	(570)	3	a,f
30-70	k = 13.2805 exp(- 18528.73559/RT)	900-1020		3	a,f
50-50	k = 13.2772 exp(- 17429.5804/RT)	820-1020		3	a,f
80-20	k = 12.1851 exp(- 14848.42762/RT)	780-940		3	a,f
92-8	k = 8.59046 exp(- 11249.70901/RT)	620-860		3	a,f
96.8-3.2	k = 8.86201 exp(- 10913.72819/RT)	620-780		3	a,f
100-0	k = 8.90357 exp(- 10438.83624/RT)	620-820	(571)	3	a,f
	$NaNO_3$-Na_2SO_4				
95.22-4.78	k = 15.5531 exp(- 13972.70177/RT)	620-640		3	a,f
97.14-2.86	k = 11.6557 exp(- 12291.96085/RT)	620-640		3	a,f
98.97-1.03	k = 10.1863 exp(- 11427.11358/RT)	620-640		3	a,f
	$NaNO_3$-Na_2WO_4				
0-100	k = 12.178 exp(- 20674.74509/RT)	970-1140	(572)	3	a,f
30-70	k = 21.2295 exp(- 22664.27038/RT)	930-1050		3	a,f
50-50	k = 12.0861 exp(- 16472.68359/RT)	870-1020		3	a,f
80-20	k = 13.0793 exp(- 15080.6435/RT)	840-960		3	a,f
92-8	k = 15.0766 exp(- 14974.36812/RT)	780-870		3	a,f
97-3	k = 37.6187 exp(- 11726.27458/RT)	630-820		3	a,f
100-0	k = 8.9036 exp(- 10438.83624/RT)	630-830	(573)	3	a,f
	$NaNO_3$-$PbCl_2$				
91.992-8.008	k = 5.6417 exp(- 8574.41465/RT)	620-630		3	a,f
92.979-7.021	k = 7.68662 exp(- 10148.88019/RT)	620-630		3	a,f
96.914-3.086	k = 9.49915 exp(- 11107.03222/RT)	620-640		3	a,f
	$NaNO_3$-$RbNO_3$				
0-100	k = 8.9221 exp(- 15112.86084/RT)	590-720	(574)	7	a,f
25-75	k = 11.145 exp(- 15422.48202/RT)	570-680		7	a,f
50-50	k = 20.386 exp(- 17513.2618/RT)	500-650		7	a,f
75-25	k = 11.055 exp(- 13158.90015/RT)	580-680		7	a,f
100-0	k = 11.089 exp(- 11673.5553/RT)	610-690	(575)	7	a,f
	$NaNO_3$-TlCl				
100-0 $NaNO_3$	k = 1.109 - 0.00545 C + 9. x 10^{-5} C^2	703	(576)	3	a
	$NaNO_3$-$TlNO_2$				
0-100	k = 6.145 exp(- 9153.07153/RT)	473-533	(577)	7	a,g
10-90	k = 3.7032 exp(- 7214.5919/RT)	473-553		7	a,g
20-80	k = 3.7367 exp(- 7440.95009/RT)	453-553		7	a,g
30-70	k = 4.395 exp(- 8244.29153/RT)	453-553		7	a,g
40-60	k = 4.95975 exp(- 8871.06521/RT)	453-553		7	a,g
47-53	k = 5.84685 exp(- 9572.73375/RT)	453-553		7	a,g
55-45	k = 5.90625 exp(- 9589.05163/RT)	453-553		7	a,g
	$NaNO_3$-$TlNO_3$				
0-100	k = 8.026 exp(- 12510.3693/RT)	483-623	(578)	7	a,f
10-90	k = 9.683 exp(- 13284.42225/RT)	473-613		7	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
20-80	$k = 13.598 \exp(-14732.11047/RT)$	443-609		7	a,f
23.6-76.4	$k = 11.679 \exp(-14016.6345/RT)$	473-613		7	a,f
32-68	$k = 11.767 \exp(-13953.87345/RT)$	483-619		7	a,f
40-60	$k = 11.948 \exp(-13907.84868/RT)$	503-623		7	a,f
50-50	$k = 12.517 \exp(-13958.05752/RT)$	513-633		7	a,f
60-40	$k = 12.572 \exp(-13757.22216/RT)$	533-627		7	a,f
70-30	$k = 13.608 \exp(-13836.71949/RT)$	543-623		7	a,f
80-20	$k = 14.353 \exp(-13811.61507/RT)$	553-631		7	a,f
90-10	$k = 13.974 \exp(-13326.26295/RT)$	573-631		7	a,f
100-0	$k = 12.982 \exp(-12514.55337/RT)$	583-673	(579)	7	a,f
For additional $NaNO_3$ systems, see : $Ba(NO_2)_2$- ; $Ca(NO_2)_2$- ; KNO_2- ; KNO_3- ; $LiNO_2$- ; $LiNO_3$-					
	NaOH				
100	$k = 24.4901 \exp(-12084.43097/RT)$	593-723	n.a.	1	a,f
	$NaOH-Na_2CO_3$				
91.4-8.6	$k = 24.092 \exp(-14655.12358/RT)$	630-710		3	a,f
93.8-6.2	$k = 23.5955 \exp(-14239.64543/RT)$	630-710		3	a,f
96.0-4.0	$k = 22.667 \exp(-13613.70856/RT)$	630-710		3	a,f
98.1-1.9	$k = 26.4579 \exp(-13797.80764/RT)$	590-710		3	a,f
98.3-1.7	$k = 21.7504 \exp(-12246.77289/RT)$	590-710		3	a,f
99.4-0.6	$k = 24.0388 \exp(-12570.2015/RT)$	610-730		3	a,f
100-0	$k = 24.4901 \exp(-12084.43097/RT)$	600-720	(580)	3	a,f
	$NaOH-Na_2CO_3-Na_2SiO_3$				
93.8-1.8-4.4	$k = 17.3296 \exp(-12239.65997/RT)$	780-870		3	a,f
96.1-1.8-2.1	$k = 19.3912 \exp(-12332.96473/RT)$	780-870		3	a,f
For additional NaOH systems, see : $AgNO_3$- ; $BaCl_2$- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$- ; $CsNO_3$- ; $KClO_4$- ; KNO_3- ; LiCl- ; $LiClO_4$- ; $LiNO_2$- ; $LiNO_3$- ; NaCl- ; $NaClO_3$- ; $NaClO_4$- ; $NaNO_2$-					
	$NaPO_3$				
100	$k = 9.12716 \exp(-21516.16157/RT)$	1100-1300	±5%	6	a,f
	$NaPO_3-Na_4P_2O_7$				
26.0-74.0	$k = 65.453 \exp(-34512.7198/RT)$	1000-1140		3	a,f
27.5-72.5	$k = 60.3761 \exp(-34232.38711/RT)$	900-1100		3	a,f
40.0-60.0	$k = 65.2419 \exp(-35863.75601/RT)$	840-1080		3	a,f
42.0-58.0	$k = 65.6377 \exp(-36011.87208/RT)$	900-980		3	a,f
	$NaPO_3-WO_3$				
40-60	$k = 23333.4 \exp(-1.1264353254 \times 10^5/RT)$	1180-1210		3	a,f
45-55	$k = 9555.23 \exp(-99262.87668/RT)$	1180-1210		3	a,f
50-50	$k = 1.70581 \times 10^5 \exp(-1.2848023749 \times 10^5/RT)$	1180-1210		3	a,f
55-45	$k = 1912.97 \exp(-81597.73314/RT)$	1180-1210		3	a,f
60-40	$k = 12139.4 \exp(-97877.94951/RT)$	1120-1210		3	a,f
65-35	$k = 4640.23 \exp(-87087.23298/RT)$	1130-1210		3	a,f
70-30	$k = -3.7868 + 0.0038163\ T$	1030-1210		3	a,f
75-25	$k = 723.348 \exp(-66740.10057/RT)$	1080-1210		3	a,f
80-20	$k = 12.8033 - 0.0251263\ T + 1.27235 \times 10^{-5}\ T^2$	970-1210		3	a
85-15	$k = 233.296 \exp(-55367.79831/RT)$	980-1210		3	a,f
90-10	$k = 93.9099 \exp(-44589.63399/RT)$	980-1210		3	a,f
95-5	$k = 50.2256 \exp(-37269.18512/RT)$	980-1210		3	a,f
100-0	$k = 55.88 \exp(-37321.9044/RT)$	980-1210	(581)	3	a,f
For additional $NaPO_3$ systems, see : CaO- ; NaCl-					
	NaSCN				
100	$k = 43 \exp(-19832.4918/RT)$	583-643	±2%	1	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional NaSCN systems, see : B_2O_3- ; NaCl-					
	$NaVO_3$				
100	k = 10.797 exp(- 15941.3067/RT)	940-1280	±4%	6	a,f
	$NaVO_3$-V_2O_5				
0-100	k = 4881.4 exp(- 90821.93386/RT)	965-1215	(582)	30	a,f
0-100	k = 16.1687 exp(- 35010.20573/RT)	1140-1237	(583)	3	a,f
1.0-99.0	k = 2290.87 exp(- 78660.516/RT)	1000-1100		3	a,f
6.6-93.4	k = 1621.81 exp(- 71966.004/RT)	1000-1100		3	a,f
9.8-90.2	k = 37.1483 exp(- 35766.26717/RT)	980-1160		3	a,f
9.9-90.1	k = 588.84 exp(- 61505.829/RT)	1000-1100		3	a,f
15.5-84.5	k = 186.21 exp(- 49790.433/RT)	1000-1100		3	a,f
17.7-82.3	k = 41.9907 exp(- 31824.87323/RT)	1040-1160		3	a,f
20.0-80.0	k = 208.93 exp(- 49790.433/RT)	1000-1100		3	a,f
21.0-79.0	k = 56.9945 exp(- 34289.70887/RT)	1040-1160		3	a,f
23.8-76.2	k = 204.17 exp(- 48953.619/RT)	1000-1100		3	a,f
28.5-71.5	k = 162.18 exp(- 45187.956/RT)	1000-1100		3	a,f
33.0-67.0	k = 35.5096 exp(- 30126.14081/RT)	980-1160		3	a,f
49.8-50.2	k = 6.3956 exp(- 17941.71057/RT)	920-1160		3	a,f
56.9-43.1	k = 13.7617 exp(- 24463.00207/RT)	920-1160		3	a,f
78.3-21.7	k = 6.70205 exp(- 15657.20835/RT)	920-1160		3	a,f
100-0	k = 9.043 exp(- 14276.04684/RT)	923-1173	(584)	3	a,f
	$Na_2B_4O_7$				
100	k = 36.42 exp(- 45016.40913/RT)	1030-1260	±10%	3	a,f
	$Na_2B_4O_7$-WO_3				
50-50	k = 104.469 exp(- 54246.46755/RT)	1070-1270		3	a,f
56.3-43.7	k = 67.9469 exp(- 50664.90363/RT)	1070-1270		3	a,f
61.8-38.2	k = 81.6379 exp(- 52970.3262/RT)	1070-1270		3	a,f
66.7-33.3	k = 49.7826 exp(- 47472.45822/RT)	1070-1270		3	a,f
71-29	k = 53.4662 exp(- 48405.50583/RT)	1070-1270		3	a,f
75-25	k = 59.009 exp(- 50242.31256/RT)	1070-1270		3	a,f
79-21	k = 84.9694 exp(- 53953.58265/RT)	1070-1270		3	a,f
81.8-18.2	k = 51.6383 exp(- 48685.83852/RT)	1070-1270		3	a,f
84.8-15.2	k = 46.8646 exp(- 47786.26347/RT)	1070-1270		3	a,f
87.5-12.5	k = 56.2119 exp(- 49505.91624/RT)	1070-1270		3	a,f
90-10	k = 54.5624 exp(- 49476.62775/RT)	1070-1270		3	a,f
92.3-7.7	k = 40.7502 exp(- 46242.34164/RT)	1070-1270		3	a,f
94.4-5.6	k = 26.7059 exp(- 41748.65046/RT)	1070-1270		3	a,f
96.4-3.6	k = 29.2078 exp(- 42372.07689/RT)	1070-1270		3	a,f
98.3-1.7	k = 30.2486 exp(- 42878.34936/RT)	1070-1270		3	a,f
100-0	k = 36.42 exp(- 45016.40913/RT)	1030-1260	(585)	3	a,f
	Na_2CO_3				
100	k = 13.758 exp(- 14757.21489/RT)	1138-1240	±1.5%	1	a,c,f
For additional Na_2CO_3 systems, see : NaF-					
	Na_2CrO_4				
100	k = 21.858 exp(- 21290.22179/RT)	1073-1113	±4%	3	a,f
For additional Na_2CrO_4 systems, see : CaO-NaOH- ; K_2CO_3-Li_2CO_3- ; K_2CO_3- ; Li_2CO_3- ; NaCl-NaOH- ; NaCl- ; NaOH-					
	Na_2MoO_4				
100	k = 15.609 exp(- 21388.96584/RT)	1024-1237	±3%	1	a,f
For additional Na_2MoO_4 systems, see : NaBr-					
	Na_2S				
100	k = 71.505 exp(- 30376.3482/RT)	1240-1320	n.a.	6	a,f
	Na_2S-PbS				
7.3-92.7	k = 1388.63 exp(- 28288.07886/RT)	1383-1483		6	a,f
23.2-76.8	k = 4185.62 exp(- 56794.56618/RT)	1290-1310		6	a,f
30-70	k = 7867.04 exp(- 70300.74414/RT)	1250-1310		6	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
36.6-63.4	$k = -38.2096 + 0.12305\,T - 1.3092 \times 10^{-4}\,T^2 + 4.792 \times 10^{-8}\,T^3$	870-1310		6	a
43-57	$k = 408.588 \exp(-46803.00702/RT)$	1070-1170		6	a,f
54.4-45.6	$k = 58.7265 \exp(-30359.19351/RT)$	1090-1230		6	a,f
60-40	$k = 32.7678 \exp(-23769.28326/RT)$	930-1130		6	a,f
70-30	$k = 32.7678 \exp(-23769.28326/RT)$	930-1130		6	a,f
	Na_2S-Sb_2S_3				
0-100	$k = 34932.7 \exp(-88561.28084/RT)$	960-1240	(586)	6	a,f
15.2-84.8	$k = 886.913 \exp(-56763.60406/RT)$	920-1120		6	a,f
15.2-84.8	$k = 3.67181 \times 10^5 \exp(-1.1400753936 \times 10^5/RT)$	1130-1210		6	a,f
15.2-84.8	$k = 1.35012000 \times 10^8 \exp(-1.7529161265 \times 10^5/RT)$	1220-1330		6	a,f
17.0-83.0	$k = 551.777 \exp(-52959.86603/RT)$	920-1120		6	a,f
17.0-83.0	$k = 18189.3 \exp(-86124.89688/RT)$	1130-1210		6	a,f
17.0-83.0	$k = 445.953 + 0.42307\,T - 0.00156353\,T^2 + 7.539 \times 10^{-7}\,T^3$	1220-1330		6	a,f
29.6-70.4	$k = -14.443 + 0.038281\,T - 1.1056 \times 10^{-5}\,T^2 - 3.4025 \times 10^{-8}\,T^3 + 2.2171 \times 10^{-11}\,T^4$	920-1320		6	a,b,m
44.8-55.2	$k = -9.9901 + 0.02588\,T - 9.8225 \times 10^{-6}\,T^2 - 1.5862 \times 10^{-8}\,T^3 + 1.0992 \times 10^{-11}\,T^4$	920-1320		6	a,b,m
58.9-41.1	$k = 28.0506 \exp(-25655.04361/RT)$	920-1320		6	a,b,m
65.0-35.0	$k = 25.751 \exp(-24355.47147/RT)$	920-1320		6	a,f
71.5-28.5	$k = 17.8148 \exp(-20241.69385/RT)$	920-1320		6	a,f
80.0-20.0	$k = 24.6036 \exp(-22420.3391/RT)$	920-1320		6	a,f
86.5-13.5	$k = 26.5011 \exp(-21589.8012/RT)$	920-1320		6	
100-0	$k = 71.505 \exp(-30376.3482/RT)$	1240-1320	(587)	6	a,f
	Na_2S-Tl_2S				
0-100	$k = 1450 \exp(-37543.66011/RT)$	770-1170	(588)	6	a,f
10-90	$k = 2048 \exp(-43556.1687/RT)$	770-1170		6	a,f
20-80	$k = 2006.9 \exp(-45710.96475/RT)$	770-1170		6	a,f
30-70	$k = 1140 \exp(-43945.28721/RT)$	770-1170		6	a,f
40-60	$k = 678.77 \exp(-41007.65166/RT)$	770-1170		6	a,f
50-50	$k = 635.16 \exp(-41932.74954/RT)$	770-1170		6	a,f
60-40	$k = 594.73 \exp(-43660.77045/RT)$	870-1170		6	a,f
70-30	$k = 312.68 \exp(-41664.96906/RT)$	870-1170		6	a,f
80-20	$k = 148.63 \exp(-36882.57705/RT)$	870-1170		6	a,f
For additional Na_2S systems, see : Li_2MoO_4- ; MoO_3- ; $NaNO_2$- ; $NaNO_3$-					
	Na_2SiO_3				
For Na_2SiO_3 systems, see : Ag_2S- ; As_2S_3-					
	Na_2SO_4				
100	$k = 11.8933 \exp(-15982.72899/RT)$	1189-1232	±2%	1	a,f
	Na_2SO_4-Rb_2SO_4				
50-50	$k = 5.926 \exp(-15117.04491/RT)$	1110-1260		6	a,f
	Na_2SO_4-Tl_2SO_4				
50-50	$k = 7.726 \exp(-16150.5102/RT)$	1060-1210		6	a,f
	Na_2SO_4-$ZnSO_4$				
25-75	$k = 28.5397 \exp(-34520.25113/RT)$	900-980		6	a,f
33-67	$k = 29.6532 \exp(-34136.57191/RT)$	840-960		6	a,f
50-50	$k = 22.0993 \exp(-28952.50918/RT)$	860-1040		6	a,f
67-33	$k = 17.632 \exp(-23922.42023/RT)$	940-1080		6	a,f
75-25	$k = 15.3287 \exp(-21686.87162/RT)$	1040-1120		6	a,f
For additional Na_2SO_4 systems, see : $NaOH$-Na_2CO_3-					
	$Na_2S_{2.1}$				
100	$k = 5.477 \exp(-3079.89393/R(T-499))$	728-840	±2.5%	6	a
For additional $Na_2S_{2.1}$ systems, see : Cs_2SO_4- ; KCl- ; KCl*NaCl- ; K_2SO_4- ; Li_2SO_4- ; NaCl- ; $NaNO_3$- ; K_2SO_4*					
	$Na_2S_{2.9}$				
100	$k = 3.859 \exp(-2491.19528/R(T-458))$	642-698	±2.5%	6	a

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$Na_2S_{3.0}$				
100	k = 7.0407 exp(- 5698.70334/R(T-329))	582-693	±2.5%	6	a
	$Na_2S_{3.2}$				
100	k = 7.065 exp(- 5866.06614/R(T-330))	458-694	±2.5%	6	a
	$Na_2S_{3.8}$				
100	k = 7.086 exp(- 6447.65187/R(T-325))	428-694	±2.5%	6	a
	$Na_2S_{4.2}$				
100	k = 6.2783 exp(- 6171.50325/R(T-341))	456-671	±2.5%	6	a
	$Na_2S_{5.1}$				
100	k = 5.7935 exp(- 6330.49791/R(T-344))	477-681	±2.5%	6	a
	Na_2TaF_7				
100	k = - 24.859 + 0.047561 T - 2.137 x 10^{-5} T^2	873-1087	±5%	3	a,f
	Na_2TiF_6				
100	k = 24.66 exp(- 21719.50737/RT)	1000-1150	n.a.	3	a,f
	Na_2WO_4				
100	k = 7.541 exp(- 16447.57917/RT)	925-1774	±5%	1	a,c,f
	Na_2WO_4-WO_3				
40-60	k = 35.2689 exp(- 35291.79364/RT)	1070-1190		3	a,f
44.98-55.02	k = 86.9624 exp(- 41058.69732/RT)	1050-1140		3	a,f
49.99-50.01	k = 32.4002 exp(- 32575.49539/RT)	1040-1160		3	a,f
59.60-40.40	k = 51.9923 exp(- 35327.35823/RT)	1010-1130		3	a,f
69.41-30.59	k = 37.0611 exp(- 30380.53227/RT)	970-1110		3	a,f
79.46-20.54	k = 63.4642 exp(- 31883.03181/RT)	920-1070		3	a,f
89.67-10.33	k = 21.3403 exp(- 27109.42634/RT)	980-1130		3	a,f
100-0	k = 19.89 exp(- 24941.24127/RT)	990-1130	(589)	3	a,f
For additional Na_2WO_4 systems, see : NaCl-					
	Na_3AlF_6				
100	k = 8.896 exp(- 12238.82316/RT)	1273-1353	±2%	14	a,f
	Na_3AlF_6-SiO_2				
100-80 Na_3AlF_6	k = 5.756 - 0.08525 C + 5.56 x 10^{-4} C^2	1273	(590)	3	a
For additional Na_3AlF_6 systems, see : Li_2WO_4- ; $NaNO_2$- ; $NaNO_3$-					
	$Na_4P_2O_7$				
100	k = 22.812 exp(- 24568.85904/RT)	1270-1320	n.a.	3	a,f
	$Na_4P_2O_7$-WO_3				
27-73	k = 9.19597 exp(- 28740.79524/RT)	1280-1370		3	a,f
34-66	k = 4.74767 exp(- 20209.89491/RT)	1070-1370		3	a,f
40-60	k = 4.06308 exp(- 18112.00222/RT)	1070-1370		3	a,f
45-55	k = 5.04345 exp(- 19250.06926/RT)	1070-1370		3	a,f
50-50	k = 10.5636 exp(- 25352.95376/RT)	1070-1370		3	a,f
55.2-44.8	k = 14.1386 exp(- 27385.99337/RT)	1070-1370		3	a,f
60-40	k = 10.5623 exp(- 23573.88719/RT)	1120-1370		3	a,f
64.8-35.2	k = 6.01242 exp(- 17172.26009/RT)	1190-1370		3	a,f
69.3-30.7	k = 6.54738 exp(- 17794.84971/RT)	1190-1370		3	a,f
73.5-26.5	k = 5.1081 exp(- 14456.38026/RT)	1220-1370		3	a,f
77.8-22.2	k = 5.71255 exp(- 15378.13088/RT)	1220-1370		3	a,f
82-18	k = 6.84266 exp(- 16952.17801/RT)	1280-1370		3	a,f
85.72-14.28	k = 8.07557 exp(- 18104.8893/RT)	1280-1370		3	a,f
89.5-10.5	k = 9.44156 exp(- 19318.2696/RT)	1280-1370		3	a,f
92.5-7.5	k = 11.4571 exp(- 20683.53164/RT)	1280-1370		3	a,f
96.5-3.5	k = 14.3779 exp(- 22309.46124/RT)	1280-1370		3	a,f

For additional $Na_4P_2O_7$ systems, see : AlF_3- ; Al_2O_3- ; $BaCl_2$- ; $BaCl_2$*BaF_2- ; BeF_2- ; CaF_2- ; K_3AlF_6- ; LiF- ; Li_3AlF_6- ; MgF_2- ; NaCl- ; NaF-

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$NbCl_5$				
For $NbCl_5$ systems, see : NaCl- ; $NaPO_3$-					
	$N(CH_3)_4Br$				
For $N(CH_3)_4Br$ systems, see : NaCl-					
	$N(C_3H_7)_4BF_4$				
100	k = 6.6731 exp(- 18714.08989/RT)	522-554	±3%	1	a,f
For additional $N(C_3H_7)_4BF_4$ systems, see : $AlBr_3$-					
	$N(C_3H_7)_4PF_6$				
100	k = 21.0096 exp(- 24696.55686/RT)	511-545	±3%	1	a,f
	$N(C_3H_7)_4SCN$				
100	k = 2554.1 exp(- 42920.19006/RT)	330-370	n.a.	6	a,f
	$N(C_4H_9)_4B(C_6H_5)_4$				
100	k = 8.027 exp(- 27560.46909/RT)	514-540	±3%	1	a,f
For additional $N(C_4H_9)_4B(C_6H_5)_4$ systems, see : CuSCN-					
	$N(C_4H_9)_4Br$				
100	k = 1926.41 exp(- 45264.94289/RT)	390-407	±3%	1	a,f
	$N(C_4H_9)_4I$				
100	k = 281.56 exp(- 38000.14215/RT)	420-440	±3%	1	a,f
For additional $N(C_4H_9)_4I$ systems, see : $AlBr_3$-					
	$N(C_4H_9)_4PF_6$				
100	k = 8.654 exp(- 23485.60332/RT)	529-548	±3%	1	a,f
	$N(C_5H_{11})_4SCN$				
100	k = 1140.2 exp(- 40669.1604/RT)	325-383	±2%	1	a,f
	$NdBr_3$				
100	k = 106.67 exp(- 47493.37857/RT)	963-1143	±35%	1	a,f
	$NdCl_3$				
100	k = 28.58 exp(- 33196.41138/RT)	1048-1173	±12%	1	a,f
	NdI_3				
100	k = 6.336 exp(- 24719.48556/RT)	1072-1115	±15%	1	a,c,f
For additional NdI_3 systems, see : KCl- ; NaCl-					
	NH_4Br				
For NH_4Br systems, see : CsI- ; KI- ; NaI-					
	NH_4Cl				
For NH_4Cl systems, see : $AlBr_3$- ; $HgBr_2$-					
	NH_4I				
For NH_4I systems, see : $AlCl_3$- ; $HgCl_2$-					
	NiS				
100	k = 2099.4 exp(7575.67714/RT)	1073-1273	±15%	31	k,v9
100	k = 178.2 exp(28144.98367/RT)	1153-1398	±15%	1	a,f,v9
For additional NiS systems, see : HgI_2-					
	Ni_3S_2				
100	k = 3.909955 x 10^5 - 458.8387 T + 0.1358 T^2	1470-1770	±20%	6	a
	$PbBr_2$				
100	k = 9.727 exp(- 14634.20323/RT)	660-1080	±3%	4	a,c,f
	$PbBr_2$-$PbCl_2$				
0.0-100.0	k = 22.7767 exp(- 17774.76617/RT)	780-820	(591)	2	a,f
19.0-81.0	k = 18.7267 exp(- 17003.22367/RT)	750-820		2	a,f
38.5-61.5	k = 18.066 exp(- 17222.88734/RT)	730-820		2	a,f
60.2-39.8	k = 17.684 exp(- 17502.80162/RT)	700-820		2	a,f
79.7-20.3	k = 14.2027 exp(- 16525.82128/RT)	700-820		2	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
100.0-0.0	k = 13.59 exp(- 16623.72852/RT)	700-820	(592)	2	a,f
	$PbBr_2$-TlBr				
0-100	k = 11.291 exp(- 15907.83414/RT)	733-773	(593)	4	a,f
10-90	k = 9.615 exp(- 15164.3249/RT)	733-773		4	a,f
20-80	k = 10.941 exp(- 16201.97426/RT)	713-773		4	a,f
30-70	k = 10.313 exp(- 16055.53181/RT)	673-773		4	a,f
40-60	k = 9.361 exp(- 15571.01651/RT)	673-773		4	a,f
50-50	k = 10.529 exp(- 16322.89388/RT)	673-773		4	a,f
60-40	k = 12.399 exp(- 17248.41017/RT)	653-773		4	a,f
70-30	k = 12.805 exp(- 17365.98254/RT)	653-773		4	a,f
80-20	k = 13.37 exp(- 17344.22537/RT)	653-773		4	a,f
90-10	k = 14.319 exp(- 17297.78219/RT)	653-773		4	a,f
100-0	k = 20.373 exp(- 18807.39465/RT)	653-773	(594)	4	a,f
For additional $PbBr_2$ systems, see : Co_4S_3- ; Cu_2S- ; FeS-					
	$PbCl_2$				
100	k = 15.55 exp(- 15183.99003/RT)	773-923	±4%	1	a,f
	$PbCl_2$-PbS				
54.00-46.00	k = 1.45966 exp(- 4351.4328/RT)	970-1170		3	a,f
55.39-44.61	k = 1.48834 exp(- 4370.26112/RT)	970-1170		3	a,f
60.68-39.32	k = 1.48119 exp(- 3915.2435/RT)	970-1170		3	a,f
64.06-35.94	k = 1.45749 exp(- 3447.25527/RT)	850-1110		3	a,f
67.29-32.71	k = 1.49361 exp(- 3278.80461/RT)	850-1130		3	a,f
73.11-26.89	k = 1.58283 exp(- 2945.66896/RT)	850-1110		3	a,f
74.80-25.20	k = 1.61226 exp(- 2899.39315/RT)	850-1110		3	a,f
81.36-18.64	k = 1.65176 exp(- 2358.01633/RT)	790-990		3	a,f
83.97-16.03	k = 1.69545 exp(- 2268.39355/RT)	770-970		3	a,f
89.42-10.58	k = 1.77931 exp(- 2111.90933/RT)	790-990		3	a,f
97.21-2.79	k = 1.93213 exp(- 1879.94449/RT)	790-990		3	a,f
100.0-0.0	k = 10.998 exp(- 12694.46838/RT)	790-990	(595)	3	a,f
	$PbCl_2$-RbCl				
10.0-90.0	k = 11.4 exp(- 17312.42644/RT)	940-1120		5	a,f
25.0-75.0	k = 9.01 exp(- 15645.91136/RT)	780-1120		5	a,f
33.3-66.7	k = 12.363 exp(- 18308.65351/RT)	740-1120		5	a,f
50-0-50.0	k = 9.24 exp(- 15180.22437/RT)	740-1120		5	a,f
66.7-33.3	k = 8.689 exp(- 13601.57476/RT)	740-1120		5	a,f
85.0-15.0	k = 10.846 exp(- 13638.81298/RT)	740-1120		5	a,f
100.0-0.0	k = 12.297 exp(- 13480.65513/RT)	840-1060	(596)	5	a,f
	$PbCl_2$-TlCl				
0-100	k = 8.681 exp(- 12076.48124/RT)	730-970	(597)	5	a,f
10-90	k = 9.245 exp(- 13163.92103/RT)	730-970		5	a,f
13.5-86.5	k = 8.739 exp(- 12979.82195/RT)	730-970		5	a,f
25-75	k = 8.749 exp(- 13268.10438/RT)	730-970		5	a,f
41-59	k = 8.741 exp(- 13107.8545/RT)	730-970		5	a,f
50-50	k = 8.312 exp(- 12622.92078/RT)	730-970		5	a,f
66.7-33.3	k = 8.731 exp(- 12571.03832/RT)	730-970		5	a,f
74-26	k = 10.742 exp(- 13922.49293/RT)	730-970		5	a,f
85-15	k = 10.801 exp(- 13695.29792/RT)	730-970		5	a,f
90-10	k = 10.391 exp(- 13272.28845/RT)	780-970		5	a,f
100-0	k = 14.955 exp(- 14902.40212/RT)	780-920	(598)	5	a,f
	$PbCl_2$-$ZnCl_2$				
0-100	k = 1.236 - 0.004048 T + 3.326 x 10^{-6} T^2	593-863	(599)	32	k
3.1-96.9	k = 1.371 - 0.004593 T + 3.871 x 10^{-6} T^2	593-853		32	k
9.6-90.4	k = 0.7805 - 0.0032 T + 3.233 x 10^{-6} T^2	593-913		32	k

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
19.2-80.8	k = 80.892 exp(- 33587.20352/RT)	593-863		32	k
25.1-74.9	k = 46.733 exp(- 28799.79062/RT)	583-903		32	k
29.2-70.8	k = 44.296 exp(- 27351.26559/RT)	593-853		32	k
41.4-58.6	k = 28.969 exp(- 22660.08631/RT)	583-863		32	k
49.9-50.1	k = 18.473 exp(- 18733.75502/RT)	613-903		32	k
60.6-39.4	k = 17.512 exp(- 17771.00051/RT)	653-873		32	k
69.5-30.5	k = 14.399 exp(- 15866.83025/RT)	693-933		32	k
78.8-21.2	k = 13.397 exp(- 14854.28531/RT)	723-943		32	k
90.3-9.7	k = 13.797 exp(- 14548.4298/RT)	743-973		32	k
100-0	k = 15.189 exp(- 14997.79892/RT)	783-923	(600)	32	k
For additional $PbCl_2$ systems, see : $CdCl_2$- ; $HgBr_2$- ; KBr- ; LiBr- ; NaBr-					
	PbF_2				
100	k = 13.0413 exp(- 8607.4688/RT)	1123-1273	±5%	1	a,f
For additional PbF_2 systems, see : AgCl- ; $CdCl_2$- ; CsCl- ; KCl- ; NaCl- ; $NaNO_3$- ; $PbBr_2$-					
	PbI_2				
100	k = 8.5849 exp(- 16858.87325/RT)	798-978	±3%	33	d
	$PbMoO_4$				
100	k = 4.50602 exp(- 17881.04155/RT)	1370-1390	±3%	6	a,f
	$PbMoO_4$-PbO				
0-100	k = 96.9192 exp(- 43978.75977/RT)	1260-1350	(601)	3	a,f
5-95	k = 139.37 exp(- 49171.19064/RT)	1290-1390		3	a,f
12-88	k = 138.556 exp(- 47141.91669/RT)	1130-1230		3	a,f
40-60	k = 37.927 exp(- 39052.01735/RT)	1270-1370		3	a,f
60-40	k = 19.2032 exp(- 32983.44222/RT)	1270-1350		3	a,f
80-20	k = 9.49424 exp(- 26418.63639/RT)	1370-1450		3	a,f
100-0	k = 9.169 exp(- 26288.51181/RT)	1400-1460	(602)	3	a,f
For additional $PbMoO_4$ systems, see : KI-					
	PbO				
100	k = 96.9192 exp(- 43978.75977/RT)	1260-1350	±3%	3	a,c,f
For additional PbO systems, see : $Bi_2(MoO_4)_3$-					
	PbS				
100	k = 17.0058 exp(21260.9333/RT)	1388-1490	±20%	1	a,f
For additional PbS systems, see : $PbMoO_4$-					
	$PbWO_4$				
100	k = 10.388 exp(- 29422.38024/RT)	1408-1503	±3%	6	a,f
For additional $PbWO_4$ systems, see : Na_2S- ; $PbCl_2$-					
	$PrBr_3$				
100	k = 16.62 exp(- 28820.71097/RT)	1000-1043	±20%	1	a,f
For additional $PrBr_3$ systems, see : $Bi_2(WO_4)_3$-					
	$PrCl_3$				
100	k = 14.69999 exp(- 24198.06676/RT)	1071-1262	±1.5%	17	d
	PrI_3				
100	k = 7.132 exp(- 24838.73156/RT)	1036-1082	±15%	1	a,f
For additional PrI_3 systems, see : $CaCl_2$- ; KCl- ; NaCl-					
	RbBr				
100	k = 6.174 exp(- 13585.67529/RT)	969-1179	±3.5%	1	a,f
	RbBr-RbCl				
0-100	k = 6.246 exp(- 11673.5553/RT)	1013-1193	(603)	2	a,f
25-75	k = 6.3555 exp(- 12370.62136/RT)	973-1183		2	a,f
50-50	k = 5.7081 exp(- 12049.70319/RT)	873-1178		2	a,f
75-25	k = 5.0132 exp(- 11445.52349/RT)	973-1173		2	a,f
100-0	k = 4.781 exp(- 11525.85763/RT)	963-1153	(604)	2	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	RbBr-RbI				
0-100	k = 4.132 exp(- 11789.45404/RT)	933-1103	(605)	2	a,f
25-75	k = 4.0745 exp(- 11429.20561/RT)	953-1153		2	a,f
50-50	k = 4.2735 exp(- 11565.18789/RT)	933-1188		2	a,f
75-25	k = 4.4378 exp(- 11476.4856/RT)	973-1173		2	a,f
100-0	k = 4.781 exp(- 11525.85763/RT)	963-1153	(606)	2	a,f
	RbCl				
100	k = 8.621 exp(- 14393.2008/RT)	1003-1197	±4%	1	a,f
	RbCl-RbI				
0-100	k = 4.132 exp(- 11789.45404/RT)	933-1103	(607)	2	a,f
25-75	k = 4.1379 exp(- 11188.62159/RT)	973-1143		2	a,f
50-50	k = 4.8787 exp(- 11819.57934/RT)	973-1143		2	a,f
75-25	k = 5.8068 exp(- 12335.05677/RT)	953-1143		2	a,f
100-0	k = 6.246 exp(- 11673.5553/RT)	1013-1193	(608)	2	a,f
	$RbCl-ScCl_3$				
30-70	k = 17.741 exp(- 33477.16248/RT)	1193-1333		5	a,f
40-60	k = 7.931 exp(- 24172.62761/RT)	993-1333		5	a,f
50-50	k = 6.17 exp(- 20887.71425/RT)	1153-1333		5	a,f
60-40	k = 6.707 exp(- 20931.22858/RT)	1113-1333		5	a,f
70-30	k = 16.972 exp(- 29288.07159/RT)	1193-1333		5	a,f
80-20	k = 15.907 exp(- 27062.98317/RT)	1193-1333		5	a,f
90-10	k = 5.695 exp(- 14804.91329/RT)	973-1333		5	a,f
100-0	k = 4.779 exp(- 10213.31487/RT)	1013-1333	(609)	5	a,f
	$RbCl-SrCl_2$				
0-100	k = 15.2 exp(- 19666.38422/RT)	1148-1273	(610)	19	k
10-90	k = 12.512 exp(- 18722.87644/RT)	1098-1273		19	k
20-80	k = 11.867 exp(- 19242.11952/RT)	1023-1273		19	k
30-70	k = 11.347 exp(- 19728.30846/RT)	973-1273		19	k
40-60	k = 10.562 exp(- 19778.9357/RT)	923-1273		19	k
50-50	k = 9.629 exp(- 19254.67173/RT)	948-1273		19	k
60-40	k = 8.99 exp(- 18487.3133/RT)	923-1273		19	k
70-30	k = 9.086 exp(- 18087.3162/RT)	898-1273		19	k
80-20	k = 7.803 exp(- 15892.77149/RT)	923-1273		19	k
90-10	k = 6.432 exp(- 13084.4237/RT)	973-1273		19	k
100-0	k = 5.53 exp(- 10455.15412/RT)	1023-1273	(611)	19	k
	$RbCl-TiCl_3$				
0-50 $TiCl_3$	k = 1.6794 - 0.034436 C + 4.1854 x 10^{-4} C^2 - 7.445 x 10^{-7} C^3	1073	(612)	5	a,n
	$RbCl-UCl_4$				
0.00-100.00	k = 5.216 exp(- 18104.05248/RT)	872-1001	(613)	5	a,f
4.83-95.17	k = 4.795 exp(- 17340.0413/RT)	890-990		5	a,f
7.69-92.31	k = 13.004 exp(- 24826.59775/RT)	860-890		5	a,f
11.71-88.29	k = 9.911 exp(- 23043.76553/RT)	810-1000		5	a,f
17.26-82.74	k = 5.237 exp(- 18143.80115/RT)	830-910		5	a,f
28.76-71.24	k = 9.803 exp(- 22345.02584/RT)	780-900		5	a,f
35.18-64.82	k = 2.881 exp(- 13327.09976/RT)	830-1010		5	a,f
40.32-59.68	k = 3.168 exp(- 14068.51697/RT)	840-980		5	a,f
43.46-56.54	k = 3.264 exp(- 14282.32295/RT)	810-990		5	a,f
49.17-50.83	k = 3.631 exp(- 15208.25764/RT)	840-980		5	a,f
57.75-42.25	k = 4.797 exp(- 17101.54931/RT)	700-980		5	a,f
60.50-39.50	k = 3.896 exp(- 15170.1826/RT)	820-980		5	a,f
66.00-34.00	k = 4.181 exp(- 15257.62966/RT)	950-1000		5	a,f
71.19-28.81	k = 3.917 exp(- 14330.43975/RT)	920-1000		5	a,f
75.01-24.99	k = 4.718 exp(- 15392.35672/RT)	880-1010		5	a,f
79.76-20.24	k = 5.035 exp(- 15120.39217/RT)	920-1030		5	a,f
83.46-16.54	k = 5.72 exp(- 15410.34822/RT)	920-1010		5	a,f
87.65-12.35	k = 6.113 exp(- 14874.78726/RT)	950-1010		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance ($ohm^{-1}\ cm^{-1}$) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
90.88-9.12	k = 5.7 exp(- 13538.81371/RT)	990-1000		5	a,f
98.38-1.62	k = 7.703 exp(- 13954.29186/RT)	990-1000		5	a,f
100.00-0.00	k = 7.016 exp(- 12753.88217/RT)	1010-1080	(614)	5	a,f
For additional RbCl systems, see : AgBr- ; KBr- ; KCl- ; LiBr- ; NaBr-					
	$RbC_2H_3O_2$				
100	k = 27.21 exp(- 24060.91294/RT)	550-620	n.a.	6	a,f
For additional $RbC_2H_3O_2$ systems, see : $AlCl_3$- ; $CaCl_2$- ; CsCl- ; $GaCl_3$- ; KBr- ; KCl- ; $LaCl_3$- ; LiCl- ; $MnCl_2$- ; NaCl- ; $PbCl_2$- ; RbBr-					
	RbI				
100	k = 5.082 exp(- 13535.46645/RT)	929-1158	±3%	1	a,f
For additional RbI systems, see : $NaC_2H_3O_2$-					
	$RbNO_2$				
100	k = 10.66 exp(- 14377.30133/RT)	712-758	±5%	1	a,f
For additional $RbNO_2$ systems, see : KI- ; LiI- ; NaI- ; RbBr- ; RbCl-					
	$RbNO_3$				
100	k = 9.942 exp(- 15640.05366/RT)	590-680	±2%	7	a,c,f
	$RbNO_3$-$TlNO_3$				
0-100	k = 8.026 exp(- 12510.3693/RT)	480-620	(615)	7	a,f
20-80	k = 9.216 exp(- 13552.20273/RT)	490-610		7	a,f
40-60	k = 10.342 exp(- 14518.7229/RT)	500-610		7	a,f
60-40	k = 11.02 exp(- 15271.8555/RT)	520-620		7	a,f
80-20	k = 11.733 exp(- 16032.10102/RT)	540-620		7	a,b,f
100-0	k = 9.942 exp(- 15640.05366/RT)	583-673	(616)	7	a,f
For additional $RbNO_3$ systems, see : $Ca(NO_2)_2$-					
	$RbPO_3$				
100	k = 11.225 exp(- 26100.64707/RT)	1120-1230	±5%	6	a,f
For additional $RbPO_3$ systems, see : $AgNO_3$- ; $Cd(NO_3)_2$- ; $CsNO_3$- ; KNO_3- ; $LiNO_3$- ; $NaNO_3$-					
	Rb_2SO_4				
100	k = 6.2394 exp(- 16641.00873/RT)	1345-1395	±3%	1	a
	Rb_2SO_4-Tl_2SO_4				
50-50	k = 6.9405 exp(- 16748.83221/RT)	1120-1190		6	a,f
	$SbBr_3$				
100	k = 7.3896 x 10^{-4} exp(- 9427.96493/RT)	380-530		4	a,f
	$SbBr_3$-SbI_3				
0.0-100.0	k = 0.013485 exp(- 14717.88463/RT)	460-520	(617)	2	a,f
5.0-95.0	k = 0.011649 exp(- 14930.43539/RT)	460-520		2	a,f
10.0-90.0	k = 0.005877 exp(- 12302.00261/RT)	450-520		2	a,f
20.0-80.0	k = 0.005696 exp(- 12266.01961/RT)	440-520		2	a,f
30.0-70.0	k = 0.003703 exp(- 10779.83795/RT)	430-520		2	a,f
40.0-60.0	k = 0.003191 exp(- 10548.87728/RT)	420-520		2	a,f
50.0-50.0	k = 0.002644 exp(- 9812.48096/RT)	410-520		2	a,f
60.0-40.0	k = 0.002218 exp(- 9148.46906/RT)	400-520		2	a,f
70.0-30.0	k = 0.001852 exp(- 8897.00645/RT)	390-520		2	a,f
80.0-20.0	k = 0.001542 exp(- 8567.72014/RT)	390-520		2	a,f
90.0-10.0	k = 0.001576 exp(- 9136.33525/RT)	390-520		2	a,f
95.0-5.0	k = 0.001334 exp(- 9501.18616/RT)	380-520		2	a,f
100.0-0.0	k = 7.3896 x 10^{-4} exp(- 9427.96493/RT)	380-530	(618)	2	a,f
For additional $SbBr_3$ systems, see : Cs_2SO_4- ; K_2SO_4- ; Li_2SO_4- ; Na_2SO_4-					
	$SbCl_3$				
100	k = 0.241 exp(- 20511.56636/RT)	333-353		5	a,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation — Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$SbCl_3$-$SbCl_5$				
25.77-74.23	k = 1.3782 x 10^{-4} exp(- 8145.54748/RT)	325-350		5	a,f
46.96-53.04	k = 2.089 x 10^{-4} exp(- 3029.43404/RT)	325-350		5	a,f
51.14-48.86	k = 0.0019484 exp(- 8709.97852/RT)	325-350		5	a,f
55.61-44.39	k = 1.7981 x 10^{-4} exp(- 931.37398/RT)	325-350		5	a,f
56.81-43.19	k = 2.554 x 10^{-4} exp(- 1069.02989/RT)	325-350		5	a,f
71.92-28.08	k = 5.001 x 10^{-4} exp(- 1595.38589/RT)	325-350		5	a,f
73.27-26.73	k = 4.177 x 10^{-4} exp(- 865.26568/RT)	325-350		5	a,f
80.13-19.87	k = 7.272 x 10^{-4} exp(- 2051.03111/RT)	325-350		5	a,f
81.44-18.56	k = 6.14 x 10^{-4} exp(- 1536.80891/RT)	325-350		5	a,f
86.5-13.5	k = 7.516 x 10^{-4} exp(- 1991.61732/RT)	325-350		5	a,f
90.36-9.64	k = 6.522 x 10^{-4} exp(- 1656.47331/RT)	325-350		5	a,f
93.96-6.04	k = 4.541 x 10^{-4} exp(- 1148.94562/RT)	325-350		5	a,f
94.52-5.48	k = 8.628 x 10^{-4} exp(- 3150.1863/RT)	325-350		5	a,f
96.34-3.66	k = 7.594 x 10^{-4} exp(- 3377.79971/RT)	325-350		5	a,f
100-0	k = 0.241 exp(- 20511.56636/RT)	335-350	(619)	5	a,f
For additional $SbCl_3$ systems, see : $AlBr_3$-					
	$SbCl_5$				
For $SbCl_5$ systems, see : $AlCl_3$- ; $GaCl_3$-					
	SbI_3				
100	k = 0.013485 exp(- 14717.88463/RT)	485-540		4	a,f
For additional SbI_3 systems, see : $SbCl_3$-					
	Sb_2O_3				
100	k = 6799 exp(- 1.0341347412 x 10^5/RT)	1101-1161		1	a,f
For additional Sb_2O_3 systems, see : AlI_3- ; HgI_2- ; $SbBr_3$-					
	Sb_2S_3				
100	k = 484.3 exp(- 52883.29754/RT)	830-1076	±15%	31	k,v10
100	k = 435.58 exp(- 52719.282/RT)	830-1076		1	a,f,v10
100	k = 34932.7 exp(- 88561.28084/RT)	960-1240	±10%	6	
For additional Sb_2S_3 systems, see : $CaSb_2O_4$- ; $CaSb_2O_6$- ; $Ca_4Sb_8O_{23}$-					
	$ScBr_3$				
For $ScBr_3$ systems, see : Na_2S-					
	$ScCl_3$				
100	k = 218.426 exp(- 61225.49631/RT)	1223-1273		1	a,f
For additional $ScCl_3$ systems, see : KBr- ; NaBr-					
	SiO_2				
For SiO_2 systems, see : CsCl- ; KCl- ; LiCl- ; NaCl- ; RbCl-					
	$SmCl_3$				
100	(T=1073.2 K, k=0.84)		n.a.	5	a,f
For additional $SmCl_3$ systems, see : Al_2O_3-Na_3AlF_6- ; Na_3AlF_6-					
	SmF_3				
For SmF_3 systems, see : NaCl-					
	$SnCl_2$				
100	k = 33.808 exp(- 16395.2783/RT)	520-620	±2%	1	a,f
100	k = - 4.734129 + 0.01434825 T - 7.776484 x 10^{-6} T^2 + 8.757843 x 10^{-10} T^3	529-1235		1	a,n
For additional $SnCl_2$ systems, see : KF- ; LiF- ; NaF-					
	SnS				
100	k = 6194 exp(- 55359.43017/RT)	1158-1411	±15%	1	a,f,v11
100	k = 10669.6 exp(- 49074.53862/RT)	1173-1273	±15%	31	k,v11

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional SnS systems, see : KCl-						
		$SrBr_2$				
100	k = 21.531 exp(- 25154.62884/RT)		929-1186	±2%	1	a,f
For additional $SrBr_2$ systems, see : K_2S-						
		$SrCl_2$				
100	k = 17.792 exp(- 20865.95709/RT)		1146-1357	±4%	1	a,f
		SrF_2				
For SrF_2 systems, see : $CaCl_2$- ; CsCl- ; KCl- ; LiCl- ; NaCl- ; RbCl-						
		SrI_2				
100	k = 10.99 exp(- 20635.83324/RT)		821-1270	±6%	1	a,f
For additional SrI_2 systems, see : NaF-						
		$Sr(PO_3)_2$				
100	k = 3107.48 exp(- 1.1902842336 x 10^5/RT)		1260-1340	±5%	6	a,f
For additional $Sr(PO_3)_2$ systems, see : $CsNO_3$- ; KNO_3-						
		$TeCl_2$				
100	k = 66.19 exp(- 29008.15731/RT)		479-578	±10%	1	a,f
For additional $TeCl_2$ systems, see : K_2TaF_7-						
		$TeCl_4$				
100	k = 7.734 exp(- 17765.56122/RT)		509-589	±10%	1	a,f
		TeO_2				
100	k = 145.4 exp(- 40401.37992/RT)		1023-1233	n.a.	1	a,f
		$ThCl_4$				
100	k = 10.25 exp(- 25368.01641/RT)		1087-1195	±15%	1	a,f
		ThF_4				
For ThF_4 systems, see : KCl- ; NaCl-						
		$TiCl_3$				
For $TiCl_3$ systems, see : KF- ; LiF- ; NaF-						
		TiF_4-XeF_2				
1.4-7.0 XeF_2	k = - 8.485 x 10^{-4} + 0.001286 C - 6.51 x 10^{-4} C^2 + 1.342 x 10^{-4} C^3 - 8.863 x 10^{-6} C^4		405		14	a,g
33.8-54.9 XeF_2	k = 0.008769 - 3.66 x 10^{-4} C + 4.43 x 10^{-6} C^2 - 1. x 10^{-8} C^3		405		14	a,g
Isothermal Data points	(C=19.7-80.3, k=0.5)		405		14	a,g
Isothermal Data points	(C=90.1-9.9, k=6) (C=80.3-19.7, k=4) (C=70.4-29.6, k=6)		405		14	a,g
For additional TiF_4 systems, see : CsCl- ; KCl- ; NaCl- ; RbCl-						
		TlBr				
100	k = 6.184 exp(- 12307.86031/RT)		745-1127	±2%	1	a,f
For additional TlBr systems, see : CaF_2- ; K_2TiF_6-						
		TlCl				
100	k = 8.683 exp(- 11938.82534/RT)		720-1169	±2%	1	a,f
		TlCl-$ZnSO_4$				
27-73	k = 45.1817 exp(- 37238.64141/RT)		720-820		3	a,f,o
32-68	k = 58.3315 exp(- 36826.92892/RT)		720-820		3	a,f,o
50-50	k = 11.5872 exp(- 21882.26769/RT)		720-820		3	a,f,o
59-41	k = 9.41695 exp(- 18227.90096/RT)		720-820		3	a,f,o
64-36	k = 8.00192 exp(- 16222.4762/RT)		720-820		3	a,f,o
For additional TlCl systems, see : $HgBr_2$- ; KBr- ; KNO_3- ; $PbBr_2$-						
		TlI				
100	k = 4.816 exp(- 13082.33167/RT)		721-1333	±2%	1	a,f
For additional TlI systems, see : AgCl- ; $CdCl_2$- ; KNO_3- ; $NaNO_3$- ; $PbCl_2$-						

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$TlNO_2$				
100	k = 6.145 exp(- 9153.07153/RT)	470-560	±5%	7	a,g
	$TlNO_2$-$TlNO_3$				
0-100	k = 6.21043 exp(- 10743.85495/RT)	513-553	(620)	7	a,g
26-74	k = 6.16978 exp(- 10224.61186/RT)	473-553		7	a,g
40-60	k = 5.62443 exp(- 9535.49553/RT)	473-553		7	a,g
60-40	k = 5.12416 exp(- 8795.75195/RT)	473-553		7	a,g
76-24	k = 4.82257 exp(- 8281.94816/RT)	473-553		7	a,g
100-0	k = 6.145 exp(- 9153.07153/RT)	473-513	(621)	7	a,g
For additional $TlNO_2$ systems, see : KI-					
	$TlNO_3$				
100	k = 9.416 exp(- 13150.1136/RT)	485-554	±2%	1	a,f
For additional $TlNO_3$ systems, see : $NaNO_2$- ; $NaNO_3$-					
	Tl_2S				
100	k = 14585.1 exp(- 55881.1837/RT)	730-910	±15%	6	a,f
For additional Tl_2S systems, see : $AgNO_3$- ; $Cd(NO_3)_2$- ; $CsNO_3$- ; $HgCl_2$- ; HgI_2- ; KNO_3- ; $LiNO_3$- ; $NaNO_2$- ; $NaNO_3$- ; $RbNO_3$- ; $TlNO_2$-					
	Tl_2SO_4				
100	k = 6.28167 exp(- 14670.60464/RT)	925-1000	±3%	6	a,f
For additional Tl_2SO_4 systems, see : Na_2S-					
	UCl_3				
100	(T=1123 K, k=1.07)		±3%	5	a
For additional UCl_3 systems, see : Cs_2SO_4- ; K_2SO_4- ; Li_2SO_4- ; Na_2SO_4- ; Rb_2SO_4-					
	UCl_4				
100	k = 5.216 exp(- 18104.05248/RT)	872-1001	±5%	5	a,c,f
For additional UCl_4 systems, see : KCl- ; NaCl-					
	UF_4				
For UF_4 systems, see : CsCl- ; KCl- ; LiCl- ; NaCl- ; RbCl-					
	UO_2Cl_2				
100	k = 15.7334 exp(- 41649.06959/RT)	851-953	n.a.	1	a,f
For additional UO_2Cl_2 systems, see : KF- ; LiF- ; NaF-					
	V_2O_5				
100	k = 4881.4 exp(- 90821.93386/RT)	965-1215	±20%	30	d
	WO_3				
For WO_3 systems, see : CaF_2- ; KVO_3- ; $NaVO_3$-					
	XeF_2				
For XeF_2 systems, see : KPO_3- ; K_2WO_4- ; Li_2WO_4- ; $NaPO_3$- ; $Na_2B_4O_7$- ; Na_2WO_4- ; $Na_4P_2O_7$-					
	YCl_3				
100	k = 32.755 exp(- 36083.41968/RT)	973-1148	±10%	1	a,f
For additional YCl_3 systems, see : TiF_4-					
	YF_3				
For YF_3 systems, see : KCl-					
	$ZnBr_2$				
100	k = 894.4 exp(- 59991.19566/RT)	671-913	±5%	1	a,f
For additional $ZnBr_2$ systems, see : KF- ; LiF- ; NaF-					
	$ZnCl_2$				
100	k = 5.39900 x 10^5 exp(- 97170.84168/RT)	593-673	±5%	5	a,c,f
100	k = 2624.4 exp(- 66802.86162/RT)	673-851	±5%	5	a,c,f

Table 2.3.a Electrical Conductance data (continued)

(mol %)	Equation	Conductance (ohm^{-1} cm^{-1}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional $ZnCl_2$ systems, see : $AlBr_3$- ; $CdCl_2$-						
		ZnF_2				
100	k = 27.962 exp(- 20877.25408/RT)		1173-1223	±2%	1	a,f
For additional ZnF_2 systems, see : $CdBr_2$- ; CsCl- ; KCl- ; NaCl- ; $PbCl_2$-						
		ZnI_2				
100	k = 242.794 exp(- 49467.00439/RT)		740-820	±5%	4	a,c,f
		$Zn(PO_3)_2$				
100	k = 134.411 exp(- 96585.07188/RT)		1365-1420	±5%	6	a,f
		$ZrCl_4$				
For $ZrCl_4$ systems, see : CsBr- ; KBr- ; KCl- ; KI- ; K_2SO_4- ; Li_2SO_4- ; Na_2SO_4- ; TlCl-						
		ZrF_4				
For ZrF_4 systems, see : NaCl-						
		ZrO_2				
For ZrO_2 systems, see : KF- ; NaF-						

Table 2.3.b Electrical Conductance data reliability statements

Number	Reliability estimates
1	For 100% AgCl, the departures from the recommended data set are: 750 K, -0.79%, 970 K, -2.9%.
2	For 100% AgBr, the results have been advanced as the recommended data set.
3	For 100% $AgNO_3$, the departures from the recommended data set are: 630 K, -1.6%, 820 K, -15%.
4	For 100% AgBr, the departures from the recommended data set are: 650 K, +0.14%, 820 K, 0.0%.
5	For 100% CsBr, the departures from the recommended data set are: 920 K, -5.1%, 950 K, -3.0%.
6	For 100% AgBr, the departures from the recommended data set are: 700 K, +4.0%, 950 K, +2.7%.
7	The departure of the conductance of 100% $HgBr_2$ at 515 K from the value from the recommended data set is approx. -2%.
8	For 100% AgBr, the results have been advanced as the recommended data set.
9	For 100% KCl, the departures from the recommended data set are: 1030 K, -0.8%, 1080 K, -0.1%.
10	For 100% AgBr, the departures from the recommended data set are: 780 K, +0.1%, 1000 K, 0.0%.
11	For 100% LiCl, the departures from the recommended data set are: 930 K, -0.20%, 1070 K, -0.15%.
12	For 100% AgBr, the departures from the recommended data set are: 830 K, 0.0%, 1070 K, -0.03%.
13	For 100% NaBr at 1000 K, the departure from the recommended data set is +0.2%.
14	For 100% AgBr, the departures from the recommended data set are: 720 K, +4.0%, 950 K, +2.7%.
15	For 100% NaCl, the departures from the recommended data set are: 1080 K, +0.3%, 1120 K, +0.4%.
16	For 100% AgBr, the departures from the recommended data set are: 950 K, 0.0%, 1070 K, 0.0%.
17	For 100% RbBr, the departures from the recommended data set are: 960 K, -6.0%, 1050 K, +2.9%.
18	For 100% AgBr, the departures from the recommended data set are: 720 K, +4.0%, 950 K, +2.7%.
19	For 100% $AgNO_3$, the departures from the recommended data set are: 580 K, +4.0%, 820 K, -15%.
20	For 100% AgCl, the departures from the recommended data set are: 750 K, +1.0%, 820 K, +0.1%.
21	For 100% AgCl, the results have been advanced as the recommended data set.
22	For 100% KBr, the departures from the recommended data set are: 1030 K, -1.9%, 1120 K, -2.2%.
23	For 100% AgCl, the departures from the recommended data set are: 750 K, +1.0%, 1070 K, -3.0%.
24	For 100% AgCl, the departures from the recommended data set are: 750 K, -0.79%, 970 K, -2.9%.
25	For 100% LiBr, the departures from the recommended data set are: 880 K, -0.09%, 1070 K, +0.22%.
26	For 100% AgCl, the departures from the recommended data set are: 830 K, +0.1%, 1070 K, -3.0%.
27	For 100% NaBr, the departures from the recommended data set are: 1030 K, +0.10%, 1120 K, -0.38%.
28	For 100% AgCl, the departures from the recommended data set are: 830 K, +0.10%, 1070 K, -3.0%.
29	For 100% $PbCl_2$, the departures from the recommended data set are: 780 K, -0.80%, 950 K, -0.84%.
30	For 100% AgCl, the departures from the recommended data set are: 750 K, -0.79%, 960 K, -2.9%.
31	For 100% TlCl, the departures from the recommended data set are: 773 K, -8%, 973 K, +1%.
32	For 100% TlCl and 100% AgCl at 773 K, the departures from the recommended data sets are, respectively, -10% and -7%.
33	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, -3.5%, 560 K, -3.1%.
34	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, 0.0%, 580 K, +1.6%.
35	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, 0.0%, 580 K, +1.6%.
36	For 100% $AgNO_3$, the departures from the recommended data set are: 503 K, +1.7%, 540 K, +0.7%.
37	For 100% $CsNO_3$, the departures from the recommended data set are: 690 K, -0.53%, 740 K, -0.36%.
38	For 100% $AgNO_3$, the departures from the recommended data set are: 500 K, -0.70%, 580 K, +1.3%.
39	For 100% $AgNO_3$, the departures from the recommended data set are: 500 K, +1.2%, 550 K, +4.4%.
40	For 100% KNO_3, the departures from the recommended data set are: 620 K, +0.3%, 670 K, +0.5%.
41	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
42	For 100% $LiNO_3$, the departures from the recommended data set are: 650 K, -0.73%, 670 K, -0.68%.
43	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
44	For 100% $AgNO_3$, the departures from the recommended data set are: 490 K, 0.0%, 580 K, +1.6%.
45	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, -0.34%, 670 K, +0.52%.
46	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
47	For 100% $RbNO_3$, the results have been advanced as the recommended data set.
48	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
49	For 100% $TlNO_3$, the departures from the recommended data set are: 490 K, -0.26%, 620 K, -3.5%.
50	For 100% $AgNO_3$, the results have been advanced as the recommended data set.
51	For 100% Ag_2SO_4, the results have been advanced as the recommended data set.
52	For 100% $AlBr_3$ two points in this study should be noted; the specific conductance results seem about 4 orders larger than the recommended data set; and secondly, k decreases as T increases, i.e., the sign of E is positive.
53	The values for 100% $SbBr_3$ are qualitatively in accord with those of the recommended data set.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
54	For 100% $AlBr_3$ two points in this study should be noted; the specific conductance results seem about 4 orders larger than the recommended data set; and secondly, k decreases as T increases, i.e., the sign of E is positive.
55	For 100% $AlBr_3$ two points in this study should be noted; the specific conductance results seem about 4 orders larger than the recommended data set; and secondly, k decreases as T increases, i.e., the sign of E is positive.
56	For 100% NaAlCl4 (i.e.: 50:50, NaCl:$AlCl_3$), the results have been advanced as the recommended data set
57	For 100% KCl, the departures from the recommended data set are: 1080 K, -0.85%, 1250 K, -0.83%.
58	The departure from the recommended data base (Yamaguti and Sisido, 60.55-39.45, $AlCl_3$-KCl) is -7.8% (when the latter correlation is extrapolated to 875 K).
59	For LiAlCl4 (i.e.: 50:50, LiCl:$AlCl_3$), the results have been advanced as the recommended data set
60	For NaAlCl4 (i.e.: 50:50, NaCl:$AlCl_3$), the deaprtures from the recommended data set are: 448 K, -10%, 673 K, -2%
61	For 100% $MgCl_2$, the departures from the recommended data set are 1000 K -0.1%, 1240 K -2.3%
62	For this composition, the density measurements have been advanced as the recommended data set for NaAlCl4
63	The results for NaAlCl4 in this study show departures of 5% from the recommended data set
64	From a comparison of results for overlapping concentrations (e.g. 60:40) the departures are: 448 K, +5%, 573 K, +7%
65	The values have been advanced as the recommended data set for K3AlF6.
66	For 100% LiF, the departures from the recommended data set are: 1140 K, -4.3%, 1320 K, +1.25%.
67	For 100% NaF, the departures from the recommended data set are: 1280 K, +12.0%, 1350 K, +15.1%.
68	The values have been advanced as the recommended data set for Na3AlF6.
69	For 100% Na_3AlF_6, the results have been advanced as the recommended data set.
70	For 100% SbI_3 at 473 K, the departure from the recommended data set is -37%.
71	For 100% CaF_2, the results have been advanced as the recommended data set.
72	For 100% K_3AlF_6, the departures from the recommended data set are: 1270 K, +19.3%, 1330 K, +43.7%.
73	For 100% Na_3AlF_6 at 1273 K, the departure from the recommended data set is 0.0%.
74	For 100% KBr, the departures from the recommended data set are: 1030 K, -1.9%, 1120 K, -2.0%.
75	For 100% $BaCl_2$, the departures from the recommended data set are: 1280 K, -18%, 1340 K, -14%.
76	For 100% $CaCl_2$, the departures from the recommended data set are: 1080 K, -8.7%, 1300 K, -12.6%.
77	For 100% $BaCl_2$, the departures from the recommended data set are: 1280 K, -5.2%, 1400 K, -8.8%.
78	For 100% CsCl, the departures from the recommended data set are: 1090 K, -5.0%, 1200 K, -10.3%.
79	For 100% $BaCl_2$, the departures from the recommended data set are: 1240 K, +0.59%, 1290 K, -0.65%.
80	For 100% $LaCl_3$, the departures from the recommended data set are: 1140 K, -2.0%, 1220 K, 0.0%.
81	For 100% $BaCl_2$, the departures from the recommended data set are: 1240 K, +0.59%, 1290 K, -0.65%.
82	For 100% LiCl, the departures from the recommended data set are: 1080 K, -0.09%, 1270 K, -1.9%.
83	For 100% $BaCl_2$, the departures from the recommended data set are: 1240 K, +3.1%, 1270 K, -1.6%.
84	For 100% $MgCl_2$, the departures from the recommended data set are: 1000 K, -1.1%, 1240 K, -2.0%.
85	For 100% $BaCl_2$, the departures from the recommended data set are: 1260 K, -4.5%, 1340 K, -6.6%.
86	For 100% NaCl, the departures from the recommended data set are: 1100 K, -0.5%, 1180 K, +0.08%.
87	For 100% $BaCl_2$, the departures from the recommended data set are: 1260 K, -4.0%, 1340 K, -7.7%.
88	For 100% NaF at 1273 K, the departure from the recommended data set is +3.8%.
89	For 100% $BaCl_2$ at 1273 K, the departure from the recommended data set is -0.3%.
90	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, +0.17%, 1350 K, +0.27%.
91	For 100% $BaCl_2$, the departures from the recommended data set are: 1260 K, +0.32%, 1340 K, -1.2%.
92	For 100% Na_3AlF_6, the departures from the recommended data set are- 1280 K, -0.51%, 1350 K, +2.4%.
93	In this study, the departures from 100% BaCl2 from the recommended data set are, 1280 K, -18%; 1340 K, -14%.
94	For 100% $Ba(NO_2)_2$, the departures from the recommended data set are: 550 K, -1.7%, 610 K, -8.4%.
95	For 100% $CsNO_2$, the departures from the recommended data set are: 685 K, -0.87%, 730 K, -0.46%.
96	For 100% $Ba(NO_2)_2$, the departures from the recommended data set are: 560 K, -1.7%, 610 K, -8.4%.
97	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -2.9%, 730 K, -0.75%.
98	For 100% $Ba(NO_2)_2$, the departures from the recommended data set are: 560 K, -1.7%, 610 K, -8.4%.
99	For 100% KNO_2, the departures from the recommended data set are: 720 K, +0.3%, 750 K, -0.5%.
100	For 100% $Ba(NO_2)_2$, the results have been advanced as the recommended data set.
101	For 100% KNO_3, the departures from the recommended data set are: 620 K, +4.5%, 650 K, +3.2%.
102	For 100% $NaNO_2$, the departures from the recommended data set are: 580 K, +1.4%, 610 K, +2.4%.
103	For 100% $Ba(NO_2)_2$, the results have been advanced as the recommended data set.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
104	For 100% $CsNO_2$, the departures from the recommended data set are: 685 K, -0.87%, 730 K, -0.46%.
105	For 100% $CsNO_3$, the departures from the recommended data set are: 690 K, -0.53%, 740 K, -0.36%.
106	For 100% KNO_3, the departures from the recommended data set are: 620 K, -1.2%, 730 K, -0.5%.
107	For 100% Li_2SO_4, the departures from the recommended data set are: 1140 K, -6.8%, 1200 K, -7.8%.
108	For 100% Na_3AlF_6 at 1273 K, the departure from the recommended data set is -1.1%.
109	For 100% $BiCl_3$, the departures from the recommended data set are: 523 K, -10.5%, 720 K, -13.2%.
110	For 100% $BiBr_3$, the departures from the recommended data set are: 520 K, +2.1%, 720 K, +8.2%.
111	For 100% BiI_3, the departures from the recommended data set are: 720 K, -1.5%, 770 K, 0.0%.
112	For 100% $BiBr_3$, the departures from the recommended data set are: 520 K, +2.1%, 720 K, +8.2%.
113	For 100% $BiCl_3$, the departures from the recommended data set are: 510 K, -18%, 520 K, -18%.
114	For 100% $PbMoO_4$, the results have been advanced as the recommended data set.
115	For 100% $Bi_2(MoO_4)_3$, the results have been advanced as the recommended data set.
116	At 1020 K, the conductance for Bi_2S_3 (air atmosphere), and that of the recommended study (argon atmosphere) are: 3345 and 0.051, respectively.
117	For 100% Bi_2S_3, the results have been advanced as the recommended data set.
118	For 100% $PbWO_4$, the results have been advanced as the recommended data set.
119	For 100% $Bi_2(WO_4)_3$, the results have been advanced as the recommended data set.
120	For 100% $NaPO_3$, the departures from the recommended data set are: 920 K, -21%, 1170 K, +6.5%.
121	For 100% KCl, the departures from the recommended data set are: 1080 K, -0.5%, 1140 K, -0.04%.
122	For 100% $CaCl_2$, the departures from the recommended data set are: 1080 K, -1.4%, 1170 K, -3.8%.
123	For 100% $CaCl_2$ and 100% LiCl at 1073 K, the departures from the recommended data sets are, respectively, +0.64% and -0.45%.
124	For 100% $MgCl_2$, the departures from the recommended data set are: 1020 K, -1.1%, 1080 K, +1.4%.
125	For 100% $CaCl_2$, the departures from the recommended data set are: 1080 K, -1.4%, 1170 K, -3.8%.
126	For 100% NaCl, the departures from the recommended data set are: 1090 K, +1.0%, 1170 K, +0.9%.
127	For 100% $CaCl_2$, the departures from the recommended data set are: 1080 K, -0.26%, 1130 K, +0.86%.
128	For 100% $PrCl_3$, the results have been advanced as the recommended data set.
129	For 100% $CaCl_2$, the departures from the recommended data set are: 1080 K -3.4%, 1250 K -6.5%
130	For 100% RbCl, the departures from the recommended data set are: 1080 K, +3.5%, 1170 K, +1.6%.
131	For 100% $CaCl_2$, the departures from the recommended data set are: 1080 K, -1.1%, 1170 K, +1.8%.
132	For 100% $SrCl_2$, the departures from the recommended data set are: 1180 K, -5.4%, 1320 K, -8.7%.
133	For 100% $CaCl_2$, the departures from the recommended data set are: 1180 K, -8.2%, 1300 K, -12.8%.
134	For 100% LiF, the departures from the recommended data set are: 1150 K, +4.2%, 1320 K, +7.8%.
135	For 100% CaF_2 at 1973 K, the departure from the recommeded data set is +0.15%.
136	For 100% Na_3AlF_6, the results have been advanced as the recommended data set.
137	For 100% $CsNO_2$, the departures from the recommended data set are: 690 K, -0.13%, 715 K, +0.25%.
138	For 100% $Ca(NO_2)_2$, the results have been advanced as the recommended data set.
139	For 100% $Ca(NO_2)_2$, the results have been advanced as the recommended data set.
140	For 100% $NaNO_2$, the departures from the recommended data set are: 580 K, +5.4%, 630 K, +11.1%.
141	For 100% $Ca(NO_2)_2$, the results have been advanced as the recommended data set.
142	For 100% KNO_3, the departures from the recommended data set are: 620 K, -1.2%, 730 K, -0.5%.
143	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, +0.73%, 690 K, +0.38%.
144	For 100% Sb_2O_3 at 1033 K, the departure from the recommended data set is +0.3%.
145	For 100% Sb_2O_3 at 1033 K, the departure from the recommended data set is +0.3%.
146	For 100% Sb_2O_3 at 1033 K, the departure from the recommended data set is +0.3%.
147	For 100% $CdCl_2$, the departures from the recommended data set are: 870 K, -0.34%, 910 K, -0.14%.
148	For 100% $CdBr_2$, the departures from the recommended data set are: 890 K, -5.6%, 910 K, +3.7%.
149	For 100% $CdBr_2$, the departures from the recommended data set are: 890 K, -0.34%, 1020 K, +0.25%.
150	For 100% $CdBr_2$, the departures from the recommended data set are: 850 K, -0.54%, 1020 K, +0.25%.
151	For 100% $CdBr_2$ and 100% $ZnCl_2$ at 873 K, the departures from the recommended data sets are, respectively, +0.4% and -10%.
152	For 100% CdI_2, the departures from the recommended data set are: 680 K, -0.35%, 960 K, +1.6%.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
153	For 100% $CdCl_2$, the departures from the recommended data set are: 870 K, -0.34%, 960 K, +0.50%.
154	For 100% $CdCl_2$, the departures from the recommended data set are: 870 K, -0.34%, 960 K, +0.18%.
155	For 100% LiCl, the departures from the recommended data set are: 900 K, +2.4%, 1020 K, +1.7%.
156	For 100% $CdCl_2$, the departures from the recommended data set are: 870 K, -0.34%, 1020 K, +0.95%.
157	For 100% $PbCl_2$, the departures from the recommended data set are: 775 K, -1.15%, 790 K, -0.32%.
158	For 100% TlCl, the departures from the recommended data set are: 730 K, +0.13%, 770 K, +1.58%.
159	For 100% KI, the departures from the recommended data set are: 970 K, -0.97%, 1060 K, +0.87%.
160	For 100% CdI_2, the departures from the recommended data set are: 680 K, -0.35%, 960 K, +1.6%.
161	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, -2.4%, 590 K, +3.7%.
162	For 100% $RbNO_3$ at 593.2 K, the departure from the recommended data set is +5.0%.
163	For 100% $TlNO_3$, the departures from the recommended data set are: 490 K, +4.4%, 560 K, +1.3%.
164	For 100% Li_2SO_4, the departures from the recommended data set are: 1140 K, -6.8%, 1200 K, -7.8%.
165	For 100% KF, the departures from the recommended data set are: 1140 K, +4.2%, 1340 K, +3.4%.
166	For 100% LiF, the departures from the recommended data set are: 1140 K, +4.2%, 1320 K, +7.8%.
167	For 100% NaF, the departures from the recommended data set are: 1310 K, +5.6%, 1340 K, +7.7%.
168	For 100% Cu_2S, the departures from the recommended data set are: 1500 K, +15.2%, 1700 K, -40%.
169	For 100% Co_4S_3, the results have been advanced as the recommended data set.
170	For 100% Co_4S_3 at 1773 K, the result has been advanced as recommended data. For 100% FeS at 1773 K, the departure from the recommended data set is +10.3%.
171	For both 100% Co_4S_3 and 100% Ni_3S_2 at 1773 K, the result has been advanced as recommended data.
172	For 100% CsCl, the departures from the recommended data set are: 950 K, -0.42%, 1140 K, -9.8%.
173	For 100% CsBr, the departures from the recommended data set are: 950 K, -4.9%, 1130 K, -17.1%.
174	For 100% CsF, the departures from the recommended data set are: 1000 K, -1.1%, 1180 K, -6.2%.
175	For 100% CsBr, the departures from the recommended data set are: 950 K, -5.6%, 1080 K, -15.0%.
176	For 100% CsI, the departures from the recommended data set are: 950 K, +0.14%, 1140 K, -15%.
177	For 100% CsBr, the departures from the recommended data set are: 950 K, -4.9%, 1130 K, -17.1%.
178	For 100% KCl, the departures from the recommended data set are: 1030 K, -1.1%, 1080 K, -1.9%.
179	For 100% CsBr, the departures from the recommended data set are: 1050 K, +12%, 1100 K, -17%.
180	For 100% NaCl, the departures from the recommended data set are: 1073 K, -1.1%, 1123 K, -0.3%.
181	For 100% CsBr, the departures from the recommended data set are: 1050 K, -13%, 1130 K, -19%.
182	For 100% CsF, the departures from the recommended data set are: 1000 K, -1.1%, 1180 K, -6.2%.
183	For 100% CsCl, the departures from the recommended data set are: 950 K, +0.3%, 1050 K, -4.3%.
184	For 100% CsI, the departures from the recommended data set are: 950 K, +0.14%, 1140 K, -14%.
185	For 100% CsCl, the departures from the recommended data set are: 950 K, -0.42%, 1140 K, -9.8%.
186	For 100% $GaCl_3$, the conductance appears to be four orders of magnitude larger than the value from the recommended data set.
187	For 100% KBr, the departures from the recommended data set are: 1050 K, -1.0%, 1100 K, +0.15%.
188	For 100% CsCl, the departures from the recommended data set are: 1050 K, -6.1%, 1100 K, -9.0%.
189	For 100% KCl, the departures from the recommended data set are: 1080 K, -3.1%, 1190 K, 0.0%.
190	For 100% CsCl, the departures from the recommended data set are: 950 K, -0.42%, 1090 K, -2.9%.
191	For 100% $LaCl_3$, the departures from the recommended data set are: 1140 K, -2.0%, 1220 K, 0.0%.
192	For 100% CsCl, the departures from the recommended data set are: 1090 K, -5.0%, 1200 K, -10.3%.
193	For 100% LiCl, the departures from the recommended data set are: 900 K, -3.4%, 1070 K, -0.13%.
194	For 100% CsCl, the departures from the recommended data set are: 950 K, -1.4%, 1090 K, -6.2%.
195	For 100% $MnCl_2$, the departures from the recommended data set are: 931 K -0.8%, 1106 K 0.8%.
196	For 100% CsCl, the departures from the recommended data set are: 953 K -0.6%, 1103 K -7.9%.
197	For 100% NaBr, the departures from the recommended data set are: 1080 K, -2.1%, 1120 K, -2.8%.
198	For 100% CsCl, the departures from the recommended data set are: 1080 K, -9.8%, 1120 K, -9.8%.
199	For 100% NaCl, the departures from the recommended data set are: 1090 K, 0.0%, 1170 K, -0.5%.
200	For 100% CsCl, the departures from the recommended data set are: 950 K, -0.42%, 1090 K, -2.9%.
201	For 100% $PbCl_2$, the departures from the recommended data set are: 830 K, +1.2%, 1070 K, -4.2%.
202	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.13%, 1170 K, -4.2%.
203	For 100% CsCl, the departures from the recommended data set are: 950 K, -0.42%, 1090 K, -2.9%.
204	For 100% CsCl, the departures from the recommended data set are: 950 K, -0.42%, 1200 K, -15.5%.
205	For 100% $SrCl_2$, the departures from the recommended data set are: 1173 K -2.3%, 1273 K -2.3%.
206	For 100% CsCl, the departures from the recommended data set are: 973 K 0.3%, 1170 K -12.4%.
207	For 100% CsCl at 1073 K, the result has been advanced as recommended data.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
208	For 100% UCl_4, the results have been advanced as the recommended data set.
209	For 100% CsCl, the departures from the recommended data set are: 950 K, -2.2%, 1050 K, -4.1%.
210	For 100% $ZnCl_2$, the results have been advanced as the recommended data set.
211	For 100% $NaC_2H_3O_2$, the results have been advanced as the recommended data set.
212	For 100% $CsC_2H_3O_2$, the results have been advanced as the recommended data set.
213	For 100% CsI, the departures from the recommended data set are: 950 K, -3.2%, 1070 K, -11.6%.
214	For 100% CsF, the departures from the recommended data set are: 1000 K, -1.1%, 1180 K, -6.2%.
215	For 100% DyI_3, the results have been advanced as the recommended data set.
216	For 100% CsI, the departures from the recommended data set are: 1260 K, -22%, 1320 K, -23%.
217	For 100% GdI_3, the results have been advanced as the recommended data set.
218	For 100% CsI, the departures from the recommended data set are: 1260 K, -22%, 1320 K, -23%.
219	For 100% LaI_3, the departures from the recommended data set are: 1100 K, +1.8%, 1200 K, +2.8%.
220	For 100% CsI, the departures from the recommended data set are: 1100 K, -19%, 1190 K, -21%.
221	For 100% LiI, the departures from the recommended data set are: 770 K, -0.25%, 910 K, -0.31%.
222	For 100% CsI, the departures from the recommended data set are: 950 K, +0.14%, 1140 K, -15%.
223	For 100% NdI_3, the departures from the recommended data set are: 1090 K, +0.7%, 1190 K, +4.0%.
224	For 100% CsI, the departures from the recommended data set are: 1090 K, -19%, 1190 K, -21%.
225	For 100% $CsNO_3$, the departures from the recommended data set are: 695 K, -2.9%, 730 K, -0.75%.
226	For 100% $CsNO_2$, the departures from the recommended data set are: 685 K, -0.87%, 730 K, -0.46%.
227	For 100% KNO_3, the departures from the recommended data set are: 620 K, -1.2%, 730 K, -0.5%.
228	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.53%, 740 K, -0.36%.
229	For 100% $LiNO_3$, the departures from the recommended data set are: 590 K, +0.22%, 670 K, -2.4%.
230	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.53%, 740 K, -0.36%.
231	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, +0.73%, 690 K, +0.38%.
232	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.53%, 740 K, -0.36%.
233	For 100% $RbNO_3$, the departures from the recommended data set are: 590 K, 0.0%, 700 K, -1.8%.
234	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.53%, 740 K, -0.36%.
235	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.53%, 740 K, -0.36%.
236	For 100% $TlNO_3$, the departures from the recommended data set are: 500 K, +1.7%, 600 K, -2.5%.
237	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, -0.53%, 740 K, -0.36%.
238	For 100% Cs_2SO_4, the results have been advanced as the recommended data set.
239	For 100% Li_2SO_4, the results have been advanced as the recommended data set.
240	For 100% Cs_2SO_4, the results have been advanced as the recommended data set.
241	For 100% Na_2SO_4, the results have been advanced as the recommended data set.
242	For 100% Cs_2SO_4, the results have been advanced as the recommended data set.
243	For 100% Rb_2SO_4, the results have been advanced as the recommended data set.
244	For 100% Cs_2SO_4, the results have been advanced as the recommended data set.
245	The departure of the conductance for 100% $HgBr_2$ in this work at 515 K from the recommended data set is -2.0%.
246	For 100% CuCl, the departures from the recommended data set are: 770 K, -1.1%, 1200 K, +2.7%.
247	For 100% CuCl, the departures from the recommended data set are: 740 K, -6.5%, 900 K, -3.0%.
248	For 100% $N(C_3H_7)_4SCN$, the results have been advanced as the recommended data set.
249	For 100% FeS, the departures from the recommended data set are: 1470 K, +4.6%, 1770 K, +11.7%.
250	For 100% Cu_2S, the departures from the recommended data set are: 1410 K, +14.1%, 1700 K, -18.8%.
251	For 100% Ni_3S_2, the results have been advanced as the recommended data set.
252	For 100% Cu_2S, the departures from the recommended data set are: 1500 K, +15.2%, 1700 K, -40%.
253	For 100% $DyCl_3$ at 1073 K, the departure from the recommended data set is not available.
254	For 100% NaCl at 1073 K, the departure from the recommended data set is -0.8%. For 100% $DyCl_3$ at 1073 K, the departure from the recommended data set is not available.
255	For 100% KI, the departures from the recommended data set are: 1250 K, +3.5%, 1330 K, +5.3%.
256	For 100% DyI_3, the results have been advanced as the recommended data set.
257	For 100% $ErCl_3$ at 1073 K, the departure from the recommended data set is not available.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
258	For 100% $FeCl_2$, the results have been advanced as the recommended data set.
259	For 100% Ni_3S_2 at 1773 K, the results has been advanced as recommended data.
260	The results for 100% $GaCl_3$ appear about four orders of magnitude larger than the values from the recommended data set.
261	The conductance for 100% $GaCl_3$ appears to be about 2 orders of magnitude larger than the value from the recommended data set.
262	For 100% GaI_3, the results have been advanced as the recommended data set.
263	For both 100% KCl and 100% $GdCl_3$ at 1073 K, the departure from the recommended data set is, respectively, -1.4% and +10.5%.
264	For both 100% NaCl and 100% $GdCl_3$ at 1073 K, the departure from the recommended data set is, respectively, -0.8% and +10.5%.
265	For 100% KI, the departures from the recommended data set are: 1250 K, +3.5%, 1330 K, +5.3%.
266	For 100% GdI_3, the results have been advanced as the recommended data set.
267	For 100% NaI, the departures from the recommended data set are: 1230 K, -0.9%, 1320 K, -3.6%.
268	For 100% GdI_3, the results have been advanced as the recommended data set.
269	For 100% HgI_2, the departures from the recommended data set are: 550 K, -10%, 600 K, -3%.
270	For 100% $HgBr_2$, the departures from the recommended data set are: 550 K, -1%, 650 K, -14%.
271	The departure of the conductance of 100% $HgBr_2$ from the recommended data set at 515 K is approx. -2%.
272	The departure of the conductance of 100% $HgBr_2$ from the recommended data set at 515 K is approx. -2%.
273	The values for 100% $HgBr_2$ are 2 orders of magnitude larger than those for the recommended data set.
274	The departure of the conductance for 100% $HgBr_2$ at 515 K from the recommended data set is approx. -2%.
275	The departure of the conductance for 100% $HgBr_2$ at 515 K from the recommended data set is approx. -2%.
276	For 100% HgI_2, the departures from the recommended data set are: 550 K, +7.0%, 570 K, +7.1%.
277	For 100% Hg_2Cl_2, the results have been advanced as the recommended data set.
278	For 100% $TlNO_3$, the results have been advanced as the recommended data set.
279	For 100% HgI_2, the departures from the recommended data set are: 550 K, -10%, 570 K, +11%.
280	For 100% HgI_2, the departures from the recommended data set are: 550 K, -10%, 570 K, +11%.
281	For 100% SbI_3, the departures from the recommended data set are: 450 K, -5%, 550 K, -27%.
282	For 100% HgI_2, the departures from the recommended data set are: 550 K, -9%, 600 K, -3.1%.
283	For 100% $TlNO_3$, the departures from the recommended data set are: 500 K, +6.0%, 570 K, +1.1%.
284	For 100% HgI_2, the departures from the recommended data set are: 550 K, +7%, 570 K, +7.1%.
285	For 100% $NaAlCl_4$, the reults have been advanced as the recommended data set
286	For 100% KCl, the departures from the recommended data set are: 1080 K, -3.1%, 1190 K, 0.0%.
287	For 100% KBr, the departures from the recommended data set are: 1030 K, -0.3%, 1200 K, +0.1%.
288	For 100% KF, the departures from the recommended data set are: 1140 K, -7.6%, 1250 K, -7.6%.
289	For 100% KBr, the departures from the recommended data set are: 1030 K, -4.5%, 1200 K, -3.9%.
290	For 100% KI, the departures from the recommended data set are: 970 K, 0.0%, 1170 K, +0.5%.
291	For 100% KBr, the departures from the recommended data set are: 1030 K, -0.3%, 1200 K, +0.1%.
292	For 100% KNO_3, the departures from the recommended data set are: 630 K, +1.2%, 870 K, -0.5%.
293	For 100% KBr, the departures from the recommended data set are: 1030 K, -1.9%, 1070 K, -2.0%.
294	For 100% LiBr, the departures from the recommended data set are: 840 K, +1.2%, 1020 K, +1.0%.
295	For 100% NaBr, the departures from the recommended data set are: 1080 K, -2.7%, 1220 K, -7.2%.
296	For 100% KBr, the departures from the recommended data set are: 1030 K, -0.27%, 1200 K, 0.0%.
297	For 100% NaCl, the departures from the recommended data set are: 1073 K, -1.1%, 1123 K, -0.3%.
298	For 100% KBr, the departures from the recommended data set are: 1070 K, -0.5%, 1120 K, -1.2%.
299	For 100% $PbBr_2$, the results have been advanced as the recommended data set.
300	For 100% RbBr, the departures from the recommended data set are: 980 K, +0.2%, 1140 K, -3.8%.
301	For 100% KBr, the departures from the recommended data set are: 1030 K, -0.27%, 1200 K, 0.0%.
302	For 100% RbCl, the departures from the recommended data set are: 1020 K, +4.9%, 1120 K, +1.6%.
303	For 100% KBr, the departures from the recommended data set are: 1030 K, -4.0%, 1120 K, -3.9%.
304	For 100% KBr, the departures from the recommended data set are: 1030 K, -0.1%, 1200 K, -0.9%.
305	For 100% TlBr, the departures from the recommended data set are: 760 K, -0.3%, 960 K, +0.4%.
306	For 100% KBr, the departures from the recommended data set are: 1030 K, 0.0%, 1200 K, -2.3%.
307	For 100% $KC_2H_3O_2$, the results have been advanced as the recommended data set.
308	For 100% $KCHO_2$, the results have been advanced as the recommended data set.
309	For 100% KF, the departures from the recommended data set are: 1140 K, -7.6%, 1250 K, -7.6%.
310	For 100% KCl, the departures from the recommended data set are: 1080 K, -0.1%, 1250 K, -1.1%.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
311	For 100% KI, the results have been advanced as the recommended data set.
312	For 100% KCl, the results have been advanced as the recommended data set.
313	For both 100% KCl and 100% KPO_3 at 1123 K, the departure from the recommended data set is, respectively, -3.4% and +73%.
314	For 100% K_2ZrF_6, the results have been advanced as the recommended data set.
315	For 100% KCl, the departures from the recommended data set are: 1080 K, -2.8%, 1190 K, -2.8%.
316	For 100% KCl at 1123 K, the departure from the recommended data set is -3.4%.
317	For 100% KCl at 1123 K, the departure from the recommended data set is -4.3%.
318	For 100% $LaCl_3$, the departures from the recommended data set are: 1170 K, -8.9%, 1300 K, -6.0%.
319	For 100% KCl, the departures from the recommended data set are: 1070 K, -9.9%, 1190 K, -9.3%.
320	For 100% LiCl, the results have been advanced as the recommended data set.
321	For 100% KCl, the results have been advanced as the recommended data set.
322	For 100% $MgCl_2$, the departures from the recommended data set are: 980 K, +1.1%, 1020 K, +0.7%.
323	For 100% $MnCl_2$, the results have been advanced as the recommended data set.
324	For 100% KCl, the departures from the recommended data set are: 1080 K, -0.09%, 1130 K, -0.18%.
325	For 100% NaBr, the departures from the recommended data set are: 1080 K, -2.1%, 1120 K, -2.8%.
326	For 100% KCl, the departures from the recommended data set are: 1080 K, -1.7%, 1140 K, -1.4%.
327	For 100% NaCl, the departures from the recommended data set are: 1080 K, 0.0%, 1290 K, +2.6%.
328	For 100% KCl, the results have been advanced as the recommended data set.
329	For 100% NaI, the departures from the recommended data set are: 950 K, +3.5%, 1070 K, +1.7%.
330	For 100% KCl, the departures from the recommended data set are: 1060 K, -0.3%, 1140 K, +1.0%.
331	For 100% KCl at 1073 K, the departure from the recommended data set is -0.5%. For 100% $NdCl_3$ at 1073 K, the departure from the recommended data set is not available.
332	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
333	For 100% $PrCl_3$ the results have been advanced as the recommended data set
334	For 100% KCl, the departures from the recommended data set are: 1090 K 0.6%, 1250 K 0.6%.
335	For 100% KCl at 1073 K, the departure from the recommended data set is -0.5%. For 100% $PrCl_3$ at 1073 K, the departure from the recommended data set is not available.
336	For 100% RbBr, the departures from the recommended data set are: 1050 K, +1.1%, 1120 K, -1.6%.
337	For 100% KCl, the departures from the recommended data set are: 1050 K, -1.0%, 1120 K, -1.4%.
338	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.13%, 1170 K, -4.2%.
339	For 100% KCl, the departures from the recommended data set are: 1080 K, -3.1%, 1190 K, 0.0%.
340	For 100% KCl, the departures from the recommended data set are: 1080 K, -3.1%, 1230 K, -2.9%.
341	For 100% $SnCl_2$, the departures from the recommended data set are: 570 K, +3.2%, 620 K, -2.5%.
342	For 100% $SrCl_2$, the departures from the recommended data set are: 1148 K -3.1%, 1273 K -4.3%.
343	For 100% KCl, the departures from the recommended data set are: 1073 K -0.5%, 1198 K -0.9%.
344	For 100% $ThCl_4$, the departures from the recommended data set are: 1075 K -3.0%, 1173 K -2.9%.
345	For 100% KCl, the departures from the recommended data set are: 1075 K -0.05%, 1273 K 0.5%.
346	For 100% KCl at 1073 K, the departure from the recommended data set is +2.4%.
347	For 100% UCl_4, the results have been advanced as the recommended data set.
348	For 100% YCl_3, the departures from the recommended data set are: 1000 K 0.9%, 1148 K -1.3%.
349	For 100% $ZnCl_2$, the results have been advanced as the recommended data set.
350	For 100% KNO_3, the departures from the recommended data set are: 630 K, +1.0%, 700 K, +2.2%.
351	For 100% $LiClO_4$, the results have been advanced as the recommended data set.
352	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, +2.7%, 670 K, +2.5%.
353	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, -0.1%, 680 K, -0.9%.
354	For 100% KI, the departures from the recommended data set are: 970 K, +0.4%, 1170 K, -0.8%.
355	For 100% KF, the departures from the recommended data set are: 1140 K, -7.6%, 1250 K, -7.6%.
356	For 100% K_2ZrF_6, the results have been advanced as the recommended data set.
357	For 100% KF, the departures from the recommended data set are: 1230 K, +51%, 1250 K, +52%.
358	For 100% KF, the departures from the recommended data set are: 1140 K, +4.2%, 1340 K, +3.4%.
359	For 100% LiF, the departures from the recommended data set are: 1140 K, +4.2%, 1320 K, +7.8%.
360	For 100% KF, the departures from the recommended data set are: 1140 K, +4.2%, 1340 K, +3.4%.
361	For 100% NaF, the departures from the recommended data set are: 1310 K, +5.6%, 1350 K, +7.7%.
362	For 100% KF, the departures from the recommended data set are: 1140 K, +4.2%, 1340 K, +3.4%.
363	For 100% KF, the departures from the recommended data set are: 1140 K, +4.2%, 1340 K, +3.4%.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
364	For 100% KF, the departures from the recommended data set are: 1140 K, +4.2%, 1340 K, +3.4%.
365	For 100% KF, the departures from the recommended data set are: 1140 K, +4.2%, 1340 K, +3.4%.
366	For 100% KF, the departures from the recommended data set are: 1140 K, +4.2%, 1340 K, +3.4%.
367	For 100% KF at 1233 K, the departure from the recommended data set is +51%.
368	For 100% LaI_3, the departures from the recommended data set are: 1100 K, +1.8%, 1190 K, +2.8%.
369	For 100% KI, the departures from the recommended data set are: 1090 K, +6.8%, 1170 K, +5.1%.
370	For 100% LiI, the departures from the recommended data set are: 770 K, -0.25%, 910 K, -0.31%.
371	For 100% KI, the departures from the recommended data set are: 1000 K, -0.6%, 1170 K, +0.9%.
372	For 100% KI, the departures from the recommended data set are: 970 K, -0.97%, 1060 K, +0.87%.
373	For 100% NaI, the departures from the recommended data set are: 950 K, +4.9%, 1120 K, -2.4%.
374	For 100% KI, the departures from the recommended data set are: 980 K, -0.5%, 1120 K, +0.6%.
375	For 100% NdI_3, the departures from the recommended data set are: 1090 K, +0.7%, 1190 K, +4.0%.
376	For 100% KI, the departures from the recommended data set are: 1090 K, 0.0%, 1190 K, +2.3%.
377	For 100% PbI_2, the departures from the recommended data set are: 730 K, +15.5%, 970 K, +3.8%.
378	For 100% KI, the departures from the recommended data set are: 970 K, -0.5%, 1120 K, +0.6%.
379	For 100% RbI, the departures from the recommended data set are: 950 K, +1.4%, 1100 K, -1.6%.
380	For 100% KI, the departures from the recommended data set are: 1000 K, 0.0%, 1170 K, +0.5%.
381	For 100% TlI, the departures from the recommended data set are: 920 K, +1.2%, 970 K, +0.9%.
382	For 100% KI, the departures from the recommended data set are: 970 K, -2.0%, 1060 K, +2.7%.
383	For 100% $NaNO_2$, the departures from the recommended data set are: 580 K, +1.4%, 610 K, +2.4%.
384	For 100% KNO_2, the departures from the recommended data set are: 720 K, +0.3%, 750 K, -0.5%.
385	For 100% $K_2Cr_2O_7$, the departures from the recommended data set are: 690 K, -8.6%, 750 K, 0.0%.
386	For 100% KNO_3, the departures from the recommended data set are: 630 K, -14%, 740 K, -4.9%.
387	For 100% $LiClO_4$, the departures from the recommended data set are: 520 K, -1.4%, 690 K, -2.5%.
388	For 100% KNO_3, the departures from the recommended data set are: 630 K, +4.5%, 700 K, +4.7%.
389	For 100% $LiNO_3$, the results have been advanced as the recommended data set.
390	For 100% KNO_3, the departures from the recommended data set are: 630 K, +1.7%, 700 K, +2.9%.
391	For 100% KNO_3, the departures from the recommended data set are: 630 K, +4.5%, 700 K, +4.7%.
392	For 100% $NaNO_2$, the departures from the recommended data set are: 630 K, -35%, 680 K, -31%.
393	For 100% KNO_3, the departures from the recommended data set are: 620 K, +3.5%, 680 K, +0.3%.
394	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, +2.0%, 720 K, -0.9%.
395	For 100% KNO_3, the departures from the recommended data set are: 630 K, +1.7%, 700 K, +2.9%.
396	For 100% $RbNO_3$, the departures from the recommended data set are: 590 K, +1.5%, 700 K, +0.3%.
397	For 100% KNO_3, the departures from the recommended data set are: 620 K, +1.0%, 670 K, +3.0%.
398	For 100% KNO_3, the departures from the recommended data set are: 630 K, -0.5%, 730 K, +2.0%.
399	For both 100% KNO_3 and 100% TlBr at 823 K, the departure from the recommended data set is, respectively, -17% and +0.6%.
400	For 100% KNO_3 and 100% TlCl at 703 K, the departures from the recommended data sets are, respectively, +0.7% and -2.3%.
401	For 100% $TlNO_3$, the departures from the recommended data set are: 490 K, -0.26%, 620 K, -3.5%.
402	For 100% KNO_3, the departures from the recommended data set are: 620 K, +0.3%, 670 K, +2.0%.
403	For 100% KOH, the results have been advanced as the recommended data set.
404	For 100% KPO_3, the departures from the recommended data set are: 1150 K, -14%, 1220 K, -5.8%.
405	For 100% Li_2CO_3, the departures from the recommended data set are: 1020 K, +0.3%, 1150 K, +0.2%.
406	For 100% K_2CO_3, the departures from the recommended data set are: 1190 K, 0.0%, 1280 K, -0.3%.
407	The results for the three carbonates as single salts have been advanced as the recommended data sets.
408	For 100% Na_2CO_3, the departures from the recommended data set are: 1150 K, -0.1%, 1240 K, 0.0%.
409	For 100% K_2CO_3, the departures from the recommended data set are: 1190 K, 0.0%, 1280 K, -0.3%.
410	For 100% Li_2MoO_4, the departures from the recommended data set are: 1050 K, -26%, 1140 K, -38%.
411	For 100% K_2MoO_4, the departures from the recommended data set are: 1210 K, -2.1%, 1280 K, +1.3%.
412	For 100% MoO_3, the departures from the recommended data set are: 1110 K, -33%, 1150 K, -29%.
413	For 100% K_2MoO_4, the results have been advanced as the recommended data set.
414	For 100% K_2TaF_7, the results have been advanced as the recommended data set.
415	For 100% K_2TiF_6, the departures from the recommended data set are: 1100 K, +98%, 1170 K, +137%.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
416	For 100% K_2TiF_6, the results have been advanced as the recommended data set.
417	For 100% Li_2WO_4, the results have been advanced as the recommended data set.
418	For 100% K_2WO_4, the departures from the recommended data set are: 1250 K, -2.1%, 1300 K, +0.2%.
419	For 100% K_2WO_4, the departures from the recommended data set are: 1220 K, -37%, 1290 K, -38%.
420	For 100% NaCl, the departures from the recommended data set are: 1080 K, -0.8%, 1170 K, -0.6%.
421	For 100% K_2ZrF_6, the results have been advanced as the recommended data set.
422	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, +16%, 1350 K, +26%.
423	For 100% K_3AlF_6, the departures from the recommended data set are: 1270 K, -17.8%, 1330 K, -5.7%.
424	For 100% LiCl, the departures from the recommended data set are: 1080 K, -0.09%, 1270 K, -1.9%.
425	For 100% $LaCl_3$, the departures from the recommended data set are: 1140 K, -2.0%, 1220 K, 0.0%.
426	For 100% NaCl, the departures from the recommended data set are: 1120 K, -8.3%, 1200 K, -9.4%.
427	For 100% RbCl and 100% $LaCl_3$ at 1195 K, the departures from the recommended data sets are, respectively, +3.6% and -2.8%.
428	For 100% LiF, the departures from the recommended data set are: 1140 K, +4.2%, 1320 K, +7.8%.
429	For 100% NaF, the departures from the recommended data set are: 1310 K, +5.6%, 1350 K, +7.7%.
430	For 100% NaI, the departures from the recommended data set are: 1090 K, +1.5%, 1220 K, -1.0%.
431	For 100% LaI_3, the departures from the recommended data set are: 1100 K, +1.8%, 1200 K, +2.8%.
432	For 100% LiCl, the departures from the recommended data set are: 970 K, -0.6%, 1070 K, -0.3%.
433	For 100% LiBr, the departures from the recommended data set are: 980 K, -2.1%, 1070 K, -3.5%.
434	For 100% LiF, the departures from the recommended data set are: 1140 K, -3.6%, 1260 K, +1.2%.
435	For 100% LiBr, the departures from the recommended data set are: 880 K, 0.0%, 1280 K, -6.0%.
436	For 100% LiI, the departures from the recommended data set are: 770 K, +1.2%, 1100 K, -1.3%.
437	For 100% LiBr, the departures from the recommended data set are: 880 K, 0.0%, 1070 K, -3.5%.
438	For 100% NaBr, the departures from the recommended data set are: 1080 K, -2.7%, 1220 K, -7.2%.
439	For 100% $PbBr_2$, the departures from the recommended data set are: 660 K, -7.2%, 770 K, +3.4%.
440	For 100% RbBr, the departures from the recommended data set are: 960 K, +0.2%, 1140 K, -3.8%.
441	For 100% LiF, the departures from the recommended data set are: 1140 K, -3.6%, 1260 K, +1.2%.
442	For 100% LiCl, the departures from the recommended data set are: 940 K, -0.6%, 1260 K, +0.1%.
443	For 100% LiI, the departures from the recommended data set are: 760 K, +1.2%, 1100 K, -1.3%.
444	For 100% LiCl, the departures from the recommended data set are: 900 K, -0.8%, 1110 K, -0.2%.
445	For 100% $MnCl_2$, the departures from the recommended data set are: 931 K -0.8%, 1106 K 0.8%.
446	For 100% LiCl, the departures from the recommended data set are: 929 K 1.0%, 1056 K -2.5%.
447	For 100% NaCl, the departures from the recommended data set are: 1090 K, 0.0%, 1170 K, -0.5%.
448	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.13%, 1170 K, -4.2%.
449	For 100% LiCl, the departures from the recommended data set are: 940 K, +2.2%, 1200 K, -2.7%.
450	For 100% $SrCl_2$, the departures from the recommended data set are: 1148 K -3.2%, 1173 K -3.4%.
451	For 100% LiCl, the departures from the recommended data set are: 917 K 2.3%, 1056 K 0.6%.
452	For 100% UCl_4, the results have been advanced as the recommended data set.
453	For 100% LiCl, the departures from the recommended data set are: 890 K, -1.0%, 920 K, -0.9%.
454	For 100% $LiClO_3$, the results have been advanced as the recommended data set.
455	For 100% $LiClO_3$, the departures from the recommended data set are: 410 K, 0.0%, 440 K, 0.0%.
456	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, +2.7%, 650 K, +2.5%.
457	For 100% $LiClO_4$, the departures from the recommended data set are: 550 K, -1.2%, 630 K, -2.2%.
458	For 100% $LiClO_4$, the departures from the recommended data set are: 550 K, 0.0%, 630 K, -0.16%.
459	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, -0.1%, 680 K, -0.9%.
460	For 100% $LiClO_4$, the departures from the recommended data set are: 540 K, -1.4%, 680 K, -2.5%.
461	For 100% LiI, the departures from the recommended data set are: 770 K, +1.2%, 1260 K, -1.3%.
462	For 100% LiF, the departures from the recommended data set are: 1140 K, -3.6%, 1260 K, +1.2%.
463	For 100% NaF, the departures from the recommended data set are: 1310 K, +5.6%, 1350 K, +7.7%.
464	For 100% LiF, the departures from the recommended data set are: 1150 K, +4.2%, 1320 K, +7.8%.
465	For 100% Na_3AlF_6, the departures from the recommended data set are: 1270 K, +0.3%, 1350 K, +0.4%.
466	For 100% LiF, the departures from the recommended data set are: 1140.K, -2.3%, 1320 K, -5.8%.
467	For 100% LiF, the departures from the recommended data set are: 1150 K, +4.2%, 1320 K, +7.8%.
468	For 100% LiF, the departures from the recommended data set are: 1160 K, +4.6%, 1280 K, +6.9%.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
469	For 100% LiF, the departures from the recommended data set are: 1160 K, +4.6%, 1280 K, +6.9%.
470	For 100% LiF, the departures from the recommended data set are: 1150 K, +4.2%, 1320 K, +7.8%.
471	For 100% NaI, the departures from the recommended data set are: 950 K, +4.7%, 1120 K, -2.4%.
472	For 100% LiI, the departures from the recommended data set are: 770 K, -0.25%, 910 K, -0.31%.
473	For 100% RbI, the departures from the recommended data set are: 950 K, +0.3%, 1050 K, -1.5%.
474	For 100% LiI, the departures from the recommended data set are: 770 K, -0.25%, 910 K, -0.31%.
475	For 100% $NaNO_2$ at 573 K, the departure from the recommended data set is +2.3%.
476	For 100% $LiNO_2$, the departures from the recommended data set are: 510 K, -9.1%, 550 K, -16.5%.
477	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, +3.0%, 630 K, +2.3%.
478	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, +2.7%, 670 K, +2.5%.
479	For 100% $NaNO_2$, the departures from the recommended data set are: 580 K, +2.8%, 610 K, +3.7%.
480	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, -12.6%, 590 K, -9.2%.
481	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, +2.0%, 720 K, -0.9%.
482	For 100% $LiNO_3$, the results have been advanced as the recommended data set.
483	For 100% $RbNO_3$, the departures from the recommended data set are: 590 K, 0.0%, 700 K, -1.8%.
484	For 100% $LiNO_3$, the departures from the recommended data set are: 590 K, +0.2%, 670 K, -2.4%.
485	For 100% $TlNO_3$, the departures from the recommended data set are: 490 K, -0.26%, 620 K, -3.5%.
486	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, -1.1%, 670 K, -0.68%.
487	For 100% Na_2CO_3, the departures from the recommended data set are: 1150 K, -0.1%, 1240 K, 0.0%.
488	For 100% Li_2CO_3, the departures from the recommended data set are: 1020 K, +0.3%, 1150 K, +0.2%.
489	For 100% MoO_3, the departures from the recommended data set are: 1110 K, -33%, 1150 K, -29%.
490	For 100% Li_2MoO_4, the departures from the recommended data set are: 1050 K, +73%, 1140 K, +103%.
491	For 100% Na_2MoO_4, the departures from the recommended data set are: 1020 K, +3.2%, 1130 K, +3.0%.
492	For 100% Li_2MoO_4, the departures from the recommended data set are: 1050 K, -26%, 1140 K, -38%.
493	For 100% Na_2SO_4, the results have been advanced as the recommended data set.
494	For 100% Li_2SO_4, the results have been advanced as the recommended data set.
495	For 100% Li_2SO_4, the results have been advanced as the recommended data set.
496	For 100% Na_2WO_4, the departures from the recommended data set are: 980 K, -3.7%, 1140 K, +6.0%.
497	For 100% Li_2WO_4, the results have been advanced as the recommended data set.
498	For 100% Li_2WO_4, the departures from the recommended data set are: 1050 K, -12%, 1150 K, -10%.
499	For 100% Li_3AlF_6, the results have been advanced as the recommended data set.
500	For 100% NaCl, the departures from the recommended data set are: 1100 K, +0.8%, 1130 K, +0.5%.
501	For 100% $MgCl_2$, the departures from the recommended data set are: 1000 K, -1.1%, 1080 K, +1.4%.
502	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, -10%, 1400 K, -12%.
503	For 100% NaCl, the departures from the recommended data set are: 1099 K +287%, 1174 K 274%.
504	For 100% $MnCl_2$, the departures from the recommended data set are: 931 K -0.8%, 1106 K 0.8%.
505	For 100% RbCl, the departures from the recommended data set are: 1003 K -0.6%, 1107 K -2.5%.
506	For 100% $MnCl_2$, the departures from the recommended data set are: 931 K -0.8%, 1106 K 0.8%.
507	For 100% Na_2MoO_4, the results have been advanced as the recommended data set.
508	For 100% MoO_3, the results have been advanced as the recommended data set.
509	For 100% NaCl, the departures from the recommended data set are: 1090 K, 0.0%, 1200 K, -0.5%.
510	For 100% NaBr, the departures from the recommended data set are: 1080 K, -2.7%, 1220 K, -7.2%.
511	For 100% NaI, the departures from the recommended data set are: 950 K, +6.6%, 1150 K, -1.0%.
512	For 100% NaBr, the departures from the recommended data set are: 1080 K, -2.7%, 1220 K, -7.2%.
513	For 100% Na_2CrO_4, the results have been advanced as the recommended data set.
514	For 100% NaBr, the departures from the recommended data set are: 1030 K, +4.6%, 1140 K, +1.6%.
515	For 100% $PbBr_2$, the departures from the recommended data set are: 660 K, -3.8%, 920 K, +3.1%.
516	For 100% RbBr, the departures from the recommended data set are: 960 K, +0.2%, 1140 K, -3.8%.
517	For 100% NaBr, the departures from the recommended data set are: 1080 K, -2.7%, 1220 K, -7.2%.
518	For 100% NaBr, the departures from the recommended data set are: 1030 K, +2.1%, 1220 K, -0.7%.
519	For 100% NaI, the departures from the recommended data set are: 950 K, +6.6%, 1150 K, -1.1%.
520	For 100% NaCl, the departures from the recommended data set are: 1080 K, +0.2%, 1220 K, -0.2%.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
521	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, +2.0%, 720 K, -1.0%.
522	For 100% $NaPO_3$ and 100% NaCl at 1123 K, the departures from the recommended data sets are respectively, +35% and +2.5%.
523	For 100% $Na_2B_4O_7$, the departures from the recommended data set are: 1030 K, 0.0%, 1120 K, +22%.
524	For 100% Na_2CO_3, the departures from the recommended data set are: 1150 K, -23%, 1240 K, -18%.
525	For 100% Na_2TiF_6, the results have been advanced as the recommended data set.
526	For 100% Na_3AlF_6, the departures from the recommended data set are: 1280 K, +0.17%, 1350 K, +0.27%.
527	For 100% NaCl, the departures from the recommended data set are: 1200 K, +4.1%, 1320 K, +4.2%.
528	For 100% $Na_4P_2O_7$, the results have been advanced as the recommended data set.
529	For 100% NaCl, the departures from the recommended data set are: 1080 K, -0.4%, 1320 K, -2.5%.
530	For 100% NaCl, the departures from the recommended data set are: 1080 K, -6.1%, 1120 K, -3.5%.
531	For 100% NaCl at 1073 K, the departure from the recommended data set is +0.3%. For 100% $NdCl_3$ at 1073 K, the departure from the recommended data set is not available.
532	For 100% $PbCl_2$, the departures from the recommended data set are: 830 K, +1.2%, 1070 K, -4.2%.
533	For 100% $PrCl_3$, the results have been advanced as the recommended data set
534	For 100% NaCl the departures from the recommended data set are: 1120 K 0.24%, 1250 K -0.15%
535	For 100% NaCl at 1073 K, the departure from the recommended data set is -1.1%. For 100% $PrCl_3$ at 1073 K, the departure from the recommended data set is not available.
536	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.13%, 1170 K, -4.2%.
537	For 100% NaCl, the departures from the recommended data set are: 1090 K, 0.0%, 1170 K, -0.5%.
538	For 100% NaCl, the departures from the recommended data set are: 1073 K, -1.1%, 1233 K, -1.5%.
539	For 100% NaCl at 1073 K, the departure from the recommended data set is +1.8%. For 100% $SmCl_3$ at 1073 K, the departure from the recommended data set is not available.
540	For 100% $SrCl_2$, the departures from the recommend data set are: 1148 K -3.1%, 1273 K -4.4%.
541	For 100% NaCl, the departures from the recommended data set are: 1123 K 0.03%, 1273 K 1.8%.
542	For 100% NaCl at 1073 K, the departure from the recommended data set is +0.6%.
543	For 100% NaCl at 1073 K, the departure from the recommended data set is -2.5%.
544	For 100% UCl_4, the results have been advanced as the recommended data set.
545	For 100% $ZnCl_2$, the results have been advanced as the recommended data set.
546	For 100% NaCl, the departures from the recommended data set are: 1073 K, -7%, 1123 K, -3%.
547	For 100% $NaClO_3$, the results have been advanced as the recommended data set.
548	For 100% $RbC_2H_3O_2$, the results have been advanced as the recommended data set.
549	For 100% $NaC_2H_3O_2$, the results have been advanced as the recommended data set.
550	For 100% $Na_2B_4O_7$, the departures from the recommended data set are: 1030 K, 0.0%, 1120 K, +22%.
551	For 100% Na_3AlF_6, the results have been advanced as the recommended data set.
552	For 100% NaF, the departures from the recommended data set are: 1280 K, +12%, 1350 K, +15%.
553	For 100% NaF, the departures from the recommended data set are: 1310 K, +5.6%, 1340 K, +7.7%.
554	For 100% NaF, the departures from the recommended data set are: 1320 K, +5.6%, 1350 K, +7.7%.
555	For 100% NaF, the departures from the recommended data set are: 1320 K, +5.6%, 1350 K, +7.7%.
556	For 100% NaF, the departures from the recommended data set are: 1310 K, +5.6%, 1350 K, +7.7%.
557	For 100% NdI_3, the departures from the recommended data set are: 1090 K, +0.72%, 1190 K, +4.0%.
558	For 100% NaI, the departures from the recommended data set are: 1090 K, +4.3%, 1190 K, +1.7%.
559	For 100% RbI, the departures from the recommended data set are: 950 K, +1.4%, 1100 K, -1.6%.
560	For 100% NaI, the departures from the recommended data set are: 950 K, +4.7%, 1120 K, -2.4%.
561	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, -7.3%, 720 K, -4.7%.
562	For 100% $NaNO_2$, the results have been advanced as the recommended data set.
563	For 100% Na_2MoO_4, the departures from the recommended data set are: 1020 K, +0.5%, 1170 K, +1.7%.
564	For 100% $NaNO_2$, the departures from the recommended data set are: 630 K, +3.7%, 750 K, +0.41%.
565	For 100% Na_2WO_4, the departures from the recommended data set are: 980 K, -3.9%, 1060 K, 0.0%.
566	For 100% $NaNO_2$, the departures from the recommended data set are: 630 K, +3.7%, 750 K, +0.41%.
567	For 100% $TlNO_2$, the results have been advanced as the recommended data set.
568	For 100% $TlNO_3$, the departures from the recommended data set are: 510 K, +2.0%, 570 K, +1.1%.
569	For 100% $NaNO_2$ at 573 K, the departure from the recommended data set is +9%.
570	For 100% Na_2MoO_4, the departures from the recommended data set are: 1020 K, +0.5%, 1170 K, +1.7%.

Table 2.3.b Electrical Conductance data reliability statements (continued)

Number	Reliability estimates
571	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, +3.2%, 820 K, -5.4%.
572	For 100% Na_2WO_4, the departures from the recommended data set are: 980 K, -3.9%, 1140 K, +3.4%.
573	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, +3.2%, 820 K, -5.4%.
574	For 100% $RbNO_3$, the departures from the recommended data set are: 590 K, 0.0%, 700 K, -1.8%.
575	For 100% $NaNO_3$, the departures from the recommended data set are: 610 K, +0.73%, 690 K, +0.38%.
576	For both 100% $NaNO_3$ and 100% TlCl at 703 K, the departure from the recommended data set is, respectively, -3.5% and -2.3%.
577	For 100% $TlNO_2$, the results have been advanced as the recommended data set.
578	For 100% $TlNO_3$, the departures from the recommended data set are: 490 K, -0.26%, 620 K, -3.5%.
579	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K, -0.34%, 670 K, +0.52%.
580	For 100% NaOH, the results have been advanced as the recommended data set.
581	For 100% $NaPO_3$, the departures from the recommended data set are: 980 K, -13%, 1210 K, +27%.
582	For 100% V_2O_5, the results have been advanced as the recommended data set.
583	For 100% V_2O_5, the departures from the recommended data set are: 1140 K, +19%, 1230 K, -22%.
584	For 100% $NaVO_3$, the departures from the recommended data set are: 940 K, +3.7%, 1170 K, -0.6%.
585	For 100% $Na_2B_4O_7$, the results have been advanced as the recommended data set.
586	The conductance of Sb_2S_3 (air atmosphere) is approx. 20 to 30 times larger than that of the recommended study (under argon atmosphere). At 1240 K, the values are 6.49 and 0.281 respectively.
587	For 100% Na_2S, the results have been advanced as the recommended data set.
588	For 100% Tl_2S, the departures from the recommended data set are: 770 K, +74%, 910 K, +4.8%.
589	For 100% Na_2WO_4, the departures from the recommended data set are: 980 K, -7%, 1140 K, +7%.
590	For 100% Na_3AlF_6 at 1273 K, the departure from the recommended data set is +0.2%.
591	For 100% $PbCl_2$, the departures from the recommended data set are: 780 K, -1.8%, 830 K, +0.6%.
592	For 100% $PbBr_2$, the departures from the recommended data set are: 700 K, -0.7%, 820 K, +4.4%.
593	For 100% TlBr, the departures from the recommended data set are: 730 K, +6.5%, 770 K, +9.0%.
594	For 100% $PbBr_2$, the departures from the recommended data set are: 660 K, -2.1%, 770 K, +9.2%.
595	For 100% $PbCl_2$, the departures from the recommended data set are: 780 K, +3.8%, 950 K, -3.1%.
596	For 100% $PbCl_2$, the departures from the recommended data set are: 830 K, +1.2%, 1070 K, -4.2%.
597	For 100% TlCl, the departures from the recommended data set are: 730 K, -2.3%, 970 K, -1.7%.
598	For 100% $PbCl_2$, the departures from the recommended data set are: 780 K, +0.4%, 920 K, -0.2%.
599	For 100% $ZnCl_2$, the departures from the recommended data set are: 593 K 244%, 851 K -3.8%.
600	For 100% $PbCl_2$, the departures from the recommended data set are: 783 K 0.5%, 923 K 0.1%.
601	For 100% PbO, the results have been advanced as the recommended data set.
602	For 100% $PbMoO_4$, the departures from the recommended data set are: 1400 K, -1.2%, 1460 K, +1.8%.
603	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.13%, 1170 K, -4.2%.
604	For 100% RbBr, the departures from the recommended data set are: 960 K, +0.2%, 1140 K, -3.8%.
605	For 100% RbI, the departures from the recommended data set are: 950 K, +1.4%, 1100 K, -1.6%.
606	For 100% RbBr, the departures from the recommended data set are: 960 K, +0.2%, 1140 K, -3.8%.
607	For 100% RbI, the departures from the recommended data set are: 950 K, +1.4%, 1100 K, -1.6%.
608	For 100% RbCl, the departures from the recommended data set are: 1020 K, -0.13%, 1170 K, -4.2%.
609	For 100% RbCl, the departures from the recommended data set are: 1020 K, -9.2%, 1300 K, -18.4%.
610	For 100% $SrCl_2$, the departures from the recommended data set are: 1148 K -3.1%, 1273 K -4.3%.
611	For 100% RbCl, the departures from the recommend data set are: 1023 K 2.0%, 1197 K -4.7%.
612	For 100% RbCl at 1073 K, the departure from the recommended data set is -2.2%.
613	For 100% UCl_4, the results have been advanced as the recommended data set.
614	For 100% RbCl, the departures from the recommended data set are: 1020 K, -1.2%, 1080 K, -2.3%.
615	For 100% $TlNO_3$, the departures from the recommended data set are: 490 K, -0.26%, 620 K, -3.5%.
616	For 100% $RbNO_3$, the results have been advanced as the recommended data set.
617	For 100% SbI_3, the results have been advanced as the recommended data set.
618	For 100% $SbBr_3$, the results have been advanced as the recommended data set.
619	For 100% $SbCl_3$, the results have been advanced as the recommended data set.
620	For 100% $TlNO_3$, the departures from the recommended data set are: 510 K, +15%, 550 K, +9%.
621	For 100% $TlNO_2$, the results have been advanced as the recommended data set.

Table 2.3.c Electrical Conductance data comments

Flag	Comment
a	The previous evaluation is correct and still holds as the recommended data base. Accuracy limits have been upgraded in light of the Molten Salts Standards Program.
b	The equation in the previous evaluation is incorrect.
c	There are new data but they do not change the recommended equation or uncertainty.
d	There are new data and together with the results of the Molten Salts Standards Program, a shift from the previous evaluation is recommended. The new correlation equation is listed herewith.
f	The previously recommended data have been refitted to an exponential correlation function.
g	The previously reported results were graphical, these correlations were digitized and refitted to the equations herewith.
i	The previously reported results have been upgraded.
k	Systems not included in the previous work.
l	Some of the numerical property values in the previous recommended data tables have been found to be incorrect. The correlation equations are correct.
m	The previously recommended correlation has been replaced by the polynomial herewith.
n	The previously recommended data base has been refitted to a polynomial correlation equation.
o	These compositions are: equivalent percent.
r	For compositions above this limit, the results in the previous evaluation were in error, since these were in the area of heterogeneity at the temperatures of concern.
s	The conductance here is: Equivalent Conductance (ohm^{-1} cm^2 $equiv^{-1}$). Density measurements are required to reduce these to specific conductivities.
t	The conductance here is: Molar Conductance (ohm^{-1} cm^2 mol^{-1}). Density data are required to reduce these to specific conductivities.
v3	The conductance correlation is for measurements with the melt under an argon atmosphere (i.e.: inert atmosphere). The negative temperature coefficient is associated with electronic processes contributing to the conductivity of this molten sulfide.
v4	For these k measurements the ratio of BaCl2 to BaF2 was held fixed at 30-70 mol% in all the compositions.
v5	This conductance correlation is for measurements with the melt in an air atmosphere. The negative temperature coefficient indicates electronic processes contributing to the conductance (possibly due to thermal dissociation and, concomitantly, oxidation of sulfur leading to the formation of metal-rich non-stoichiometric sulfides in these melts).
v6	The conductance correlation is for measurements with the system under argon gas. The conductivity is considerably higher than for melts from typical ionic salts. It is suggested that the conductivity is of the semi-conductor type.
v7	The electrical conductivity in the solid state is appreciably higher than in the molten state. A minimum in k is observed at about 80 C (m. 77.75 C). The conductance correlation herewith starts at this minimum.
v8	For these k measurements the ratio of Na2SO4 to K2SO4 was held fixed at 30-70 mol% in all the compositions.
v9	The two conductance correlations are for measurements under argon gas and in air atmospheres, respectively. In air the conductance is about three-fold greater than for measurements under argon gas. It is proposed that this increase is due to the formation of metal-rich non-stoichiometric sulfides formed as loss of sulfur occurs (through oxidation) with thermal decomposition of the melt.
v10	The two conductance correlations are for measurements with the melts under argon gas and air atmosphere, respectively. The conductance increases only modestly for work in air (i.e. approximately 10%). This is attributed to the formation of Sb2O4, a very volatile oxide, so that loss of both Sb and sulfur occurs with thermal decomposition processes in the air atmospheres. Only a small enrichment of the melt with metal-rich non-stoichiometric sulfides thus occurs.
v11	The two conductance correlations are for the melt under the argon gas and air atmospheres, respectively. The conductance is almost three-fold higher for measurements in air. It is suggested that this is due to presence of metal-rich non- stoichiometric sulfides formed from the thermal dissociation of the SnS with loss of sulfur (through oxidation) from the melt. The conductivities are higher than for melts of typical ionic salts. It is suggested that the conductivity of molten SnS is of the semiconductor type.
w	In this series of measurements the ratio of NaCl to KCl was held fixed at 74.8-25.2 mol%, respectively.
x	In this series of measurements the ratio of NaCl to KCl was held constant at 58-42 mol%, respectively.
y	In this series of measurements the ratio of NaCl to KCl was held fixed at 35.3-64.7 mol%, respectively.

Table 2.3.d Electrical Conductance data references

Number	Reference
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Table 2.4.a Viscosity data

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	AgBr				
100	v = 0.3806 exp(12920.40816/RT)	713-873	±1.5%	1	a,c,f
	AgBr-AgCl				
0.0-100.0	v = 0.31776 exp(12027.10922/RT)	730-970	(1)	2	a,f
26.8-73.2	v = 0.30267 exp(12742.16678/RT)	720-870		2	a,f
40-60	v = 0.22062 exp(15031.68988/RT)	720-870		2	a,f
60-40	v = 0.31178 exp(13358.06188/RT)	720-870		2	a,f
80-20	v = 0.34041 exp(13109.52812/RT)	720-870		2	a,f
100-0	v = 0.39199 exp(12737.14589/RT)	720-870	(2)	2	a,f
	AgBr-$HgBr_2$				
0-100	v = 0.01801 exp(21087.7128/RT)	528-548	(3)	3	a,f
0.14-99.86	v = 0.1264 exp(12409.11481/RT)	528-548		3	a,f
1.03-98.97	v = 0.1421 exp(11354.31076/RT)	528-548		3	a,f
2.32-97.68	v = 0.01167 exp(23057.15455/RT)	528-548		3	a,f
7.04-92.96	v = 0.02728 exp(19561.36406/RT)	528-548		3	a,f
	AgBr-KBr				
45.7-54.3	v = 0.1208 exp(19324.5457/RT)	830-870		3	a,f
55.2-44.8	v = 0.1498 exp(17719.11804/RT)	730-870		3	a,f
69.2-30.8	v = 0.1681 exp(17098.20206/RT)	630-870		3	a,f
79.7-20.3	v = 0.2102 exp(15811.60053/RT)	630-870		3	a,f
100.0-0.0	v = 0.3806 exp(12920.40816/RT)	713-873	(4)	3	a,f
	AgCl				
100	v = 0.3098 exp(12196.56405/RT)	723-973	±1.5%	1	a,c
	AgCl-KCl				
38.1-61.9	v = 0.1377 exp(18002.79799/RT)	880-970		4	a,f
44.9-55.1	v = 0.1327 exp(18111.58381/RT)	830-970		4	a,f
67.9-32.1	v = 0.1556 exp(16748.83221/RT)	680-970		4	a
80.6-19.4	v = 0.1907 exp(15490.26395/RT)	730-970		4	a,f
100-0	v = 0.3098 exp(12196.56405/RT)	723-973	(5)	4	a,f
	AgCl-$PbCl_2$				
0-100	v = 0.05619 exp(28292.68134/RT)	773-973	(6)	4	a,f
17.4-82.6	v = 0.09628 exp(24015.30658/RT)	780-960		4	a,f
38.0-62.0	v = 0.1271 exp(21228.71596/RT)	740-960		4	a,f
60.8-39.2	v = 0.1625 exp(18775.59572/RT)	640-960		4	a,f
80.2-19.8	v = 0.2411 exp(14976.46016/RT)	680-960		4	a,f
100-0	v = 0.3098 exp(12196.56405/RT)	723-973	(7)	4	a,f
For additional AgCl systems, see : AgBr-					
	AgI				
100	v = 0.1481 exp(22004.02413/RT)	878-1100	±3%	1	a,f
	AgI-$AgNO_3$				
0-100	(T=498 K, v=4.56)		(8)	5	a,f
7.4-92.6	v = 0.600033 exp(8848.05283/RT)	470-550		5	a,f
15.3-84.7	v = 0.295083 exp(12130.03734/RT)	420-500		5	a,f
19.4-80.6	v = 0.172414 exp(14626.2535/RT)	420-500		5	a,f
20.7-79.3	v = 0.139233 exp(15530.84943/RT)	410-500		5	a,f
23.7-76.3	v = 0.080893 exp(17558.86816/RT)	400-500		5	a,f
25.8-74.2	v = 0.105335 exp(16709.08355/RT)	400-500		5	a,f
28.0-72.0	v = 0.167855 exp(15068.09129/RT)	400-500		5	a,f
32.5-67.5	v = 0.126516 exp(16590.25596/RT)	400-500		5	a,f
37.2-62.8	v = 0.157457 exp(16184.40117/RT)	400-500		5	a,f
40.0-60.0	v = 0.115231 exp(17386.06607/RT)	400-500		5	a,f
42.0-58.0	v = 0.100842 exp(17895.26739/RT)	400-500		5	a,f
43.9-56.1	v = 689.65 - 2.84283 T + 0.00296673 T^2	400-500		5	a
46.9-53.1	v = 0.254856 exp(14712.86375/RT)	400-500		5	a,f
52.0-48.0	v = 0.0862559 exp(19223.70962/RT)	400-500		5	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$AgI-HgI_2$				
0-100	v = 0.311216 exp(9393.23715/RT)	540-750	(9)	3	a,f
0.5-99.5	v = 0.168166 exp(12409.11481/RT)	560-680		3	a,f
1.8-98.2	v = 0.166318 exp(13001.57912/RT)	540-700		3	a,f
3.5-96.5	v = 0.173107 exp(13234.63182/RT)	550-730		3	a,f
5.9-94.1	v = 0.117241 exp(16004.48616/RT)	540-730		3	a,f
	$AgNO_3$				
100	v = 0.1159 exp(15146.3334/RT)	530-593	±1%	1	a,c,f
	$AgNO_3-CsNO_3$				
0-100	v = 0.05236 exp(22020.76041/RT)	550-670	(10)	6	a
25-75	v = 0.08238 exp(18351.33102/RT)	550-670		6	a
50-50	v = 0.09479 exp(16744.64814/RT)	550-670		6	a
75-25	v = 0.11851 exp(15263.48736/RT)	550-670		6	a
100-0	v = 0.14124 exp(14301.15126/RT)	550-670	(11)	6	a
	$AgNO_3-HgBr_2$				
.19-99.81	v = 0.133357 exp(12380.66313/RT)	530-550		5	a,f
1.01-98.99	v = 0.3663 exp(7850.15213/RT)	530-550		5	a,f
4.38-95.62	v = 0.120107 exp(13311.61871/RT)	530-550		5	a,f
6.75-93.25	v = 0.0119272 exp(23995.22304/RT)	530-550		5	a,f
	$AgNO_3-HgI_2$				
30-70	v = 6.094 x 10^{-5} exp(41252.83817/RT)	430-470		5	a
32.5-67.5	v = 7.362 x 10^{-5} exp(40552.84325/RT)	380-470		5	a
55-45	v = 6.06 x 10^{-5} exp(41056.18688/RT)	400-470		5	a
60-40	v = 7.443 x 10^{-5} exp(39634.8583/RT)	380-470		5	a,d,f
65-35	v = 1.6009 x 10^{-4} exp(37654.95637/RT)	390-470		5	a
	$AgNO_3-KNO_3$				
0-100	v = 0.07531 exp(18527.06196/RT)	610-670	(12)	6	a
25-75	v = 0.10056 exp(16430.84289/RT)	550-670		6	a
50-50	v = 0.11504 exp(15372.27318/RT)	550-670		6	a
75-25	v = 0.11192 exp(15426.66609/RT)	550-670		6	a
100-0	v = 0.14124 exp(14301.15126/RT)	550-670	(13)	6	a
	$AgNO_3-LiNO_3$				
0-100	v = 0.08363 exp(18690.24069/RT)	550-670	(14)	6	a,f
25-75	v = 0.11289 exp(16481.05173/RT)	550-670		6	a
50-50	v = 0.10481 exp(16012.43589/RT)	550-670		6	a
75-25	v = 0.13815 exp(14660.98128/RT)	550-670		6	a
100-0	v = 0.14124 exp(14301.15126/RT)	550-670	(15)	6	a
	$AgNO_3-NaNO_3$				
0-100	v = 0.10392 exp(16234.1916/RT)	550-670	(16)	6	a
25-75	v = 0.11369 exp(15493.61121/RT)	550-670		6	a
50-50	v = 0.12345 exp(15296.95992/RT)	550-670		6	a
75-25	v = 0.12903 exp(14824.16001/RT)	550-670		6	a
100-0	v = 0.14124 exp(14301.15126/RT)	550-670	(17)	6	a
	$AgNO_3-RbNO_3$				
0-100	v = 0.14711 exp(15865.99344/RT)	550-670	(18)	6	a
25-75	v = 0.14693 exp(15008.25909/RT)	550-670		6	a
50-50	v = 0.14094 exp(14648.42907/RT)	550-670		6	a
75-25	v = 0.14207 exp(14271.86277/RT)	550-670		6	a
100-0	v = 0.14124 exp(14301.15126/RT)	550-670	(19)	6	a
	$AgNO_3-TlNO_3$				
0-100	(T=498.2 K, v=3.67)		(20)	6	a
14.6-85.4	v = 1.467 exp(3774.03114/RT)	473-498		6	a,f
33.8-66.2	v = 1.704 exp(3241.81744/RT)	448-498		6	a,f
45.2-54.8	v = 1.592 exp(3568.1749/RT)	448-498		6	a,f
51.1-48.9	v = 0.307 exp(10153.48267/RT)	398-498		6	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
56.2-43.8	v = 0.302 exp(10317.91662/RT)	398-498		6	a,f
59.1-40.9	v = 0.319 exp(10284.44406/RT)	398-498		6	a,f
61.1-38.9	v = 0.266 exp(11033.39259/RT)	398-498		6	a,f
62.9-37.1	v = 0.31 exp(10401.59802/RT)	398-498		6	a,f
65.8-34.2	v = 0.334 exp(10100.34498/RT)	398-498		6	a,f
70.2-29.8	v = 0.357 exp(9857.66892/RT)	398-498		6	a,f
74.0-26.0	v = 1.3 exp(4790.76015/RT)	448-498		6	a,f
82.1-17.9	v = 1.5 exp(4301.22396/RT)	448-498		6	a,f
93.2-6.8	v = 1.74 exp(3834.28175/RT)	473-498		6	a,f
100-0	(T=498.2 K, v=4.56)		(21)	6	a
For additional $AgNO_3$ systems, see : AgI-					
	$AgSCN-N(C_3H_7)_4SCN$				
3.4-96.6	v = 2.9202 x 10^{-5} exp(43767.6316/RT)	330-380		7	a,f
15.1-84.9	v = 2.8396 x 10^{-5} exp(44371.56026/RT)	330-380		7	a,f
26.8-73.2	v = 2.3915 x 10^{-5} exp(45458.37244/RT)	330-380		7	a,f
41.6-58.4	v = 9.9695 x 10^{-6} exp(48825.71198/RT)	330-380		7	a,f
	$AlBr_3$				
100	v = 0.03491 exp(13066.85061/RT)	373-523	±1.5%	1	a
	$AlBr_3-HgBr_2$				
66.67-33.33	v = 2.317 x 10^{-4} exp(36907.26306/RT)	385-410		3	a,f
69.51-30.49	v = 5.658 x 10^{-4} exp(33688.87642/RT)	385-410		3	a,f
71.87-28.13	v = 5.78 x 10^{-4} exp(33201.85067/RT)	385-410		3	a,f
73.54-26.46	v = 7.26 x 10^{-4} exp(32222.35988/RT)	385-410		3	a,f
76.94-23.06	v = 7.36 x 10^{-4} exp(31465.46162/RT)	385-410		3	a,f
80.15-19.85	v = 4.645 x 10^{-4} exp(32376.33366/RT)	385-410		3	a,b,f
84.80-15.20	v = 0.002011 exp(26146.25343/RT)	385-410		3	a,f
92.66-7.34	v = 0.005633 exp(20695.66544/RT)	385-410		3	a,f
100.0-0.0	v = 0.03632 exp(13004.50797/RT)	385-415	(22)	3	a,f
	$AlBr_3-KBr$				
66.67-33.33	v = 0.006875 exp(25284.33501/RT)	393-413		3	a,f
68.77-31.23	v = 0.004546 exp(26562.14999/RT)	383-413		3	a,f
71.22-28.78	v = 0.003503 exp(27365.49143/RT)	383-413		3	a,f
73.66-26.34	v = 0.004652 exp(26257.54969/RT)	383-413		3	a,f
75.66-24.34	v = 0.003871 exp(26634.95281/RT)	383-413		3	a,f
76.59-23.41	v = 0.004033 exp(26349.18083/RT)	383-413		3	a,f
	$AlBr_3-KCl$				
66.7-33.3	(T=353.2 K, v=41.603)			2	a
66.7-33.3	v = 0.00768327 exp(24498.98507/RT)	383-443		2	a,f
100-0	v = 0.0462149 exp(12184.01184/RT)	413-433	(23)	2	a,f
	$AlBr_3-NaBr$				
66.67-33.33	v = 0.004408 exp(26641.64732/RT)	393-413		3	a,f
69.62-30.38	v = 0.004167 exp(26713.19492/RT)	393-413		3	a,f
73.7-26.3	v = 0.01013 exp(23560.91658/RT)	393-413		3	a,f
75.46-24.54	v = 0.007528 exp(24448.35782/RT)	393-413		3	a,f
	$AlBr_3-NH_4Br$				
66.69-33.31	v = 0.00585 exp(25518.64293/RT)	395-420		3	a,f
70.90-29.10	v = 0.00454 exp(26212.36174/RT)	385-420		3	a,f
74.78-25.22	v = 0.00626 exp(24968.85613/RT)	385-420		3	a,f
75.63-24.37	v = 0.00524 exp(25398.56012/RT)	385-420		3	a,f
78.40-21.60	v = 0.0073 exp(23944.17739/RT)	385-420		3	a,f
100.0-0.0	v = 0.0356 exp(13071.45309/RT)	385-420	(24)	3	a,f
	$AlBr_3-SbBr_3$				
0-100	v = 0.01899 exp(16297.37106/RT)	375-410	(25)	3	a,f
10-90	v = 0.03572 exp(15009.0959/RT)	373-413		3	a,f
20-80	v = 0.02721 exp(16685.65275/RT)	373-413		3	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m⁻²) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
30-70	$v = 0.01787 \exp(18743.37838/RT)$	373-413		3	a,f
40-60	$v = 0.002192 \exp(26544.57689/RT)$	373-413		3	a,f
50-50	$v = 7.344 \times 10^{-4} \exp(30747.89362/RT)$	373-413		3	a,f
60-40	$v = 6.679 \times 10^{-4} \exp(31080.94559/RT)$	373-413		3	a,f
70-30	$v = 4.296 \times 10^{-4} \exp(32180.93759/RT)$	373-413		3	a,f
80-20	$v = 0.00216471 \exp(25714.87581/RT)$	373-413		3	a,f
90-10	$v = 0.014906 \exp(17211.17195/RT)$	373-413		3	a,f
100-0	$v = 0.0466 \exp(12147.61043/RT)$	413-433	(26)	3	a,f
	$AlBr_3$-$ZnBr_2$				
66.7-33.3	$v = 1.4225 \times 10^{-4} \exp(43861.60581/RT)$	413-453		3	a,f
100-0	$v = 0.0466 \exp(12147.61043/RT)$	415-435	(27)	3	a,f
	$AlCl_3$				
100	$v = 0.00228 \exp(19424.96338/RT)$	469-559	±1%	8	d
	$AlCl_3$-KCl				
0-100	$v = 0.11402 \exp(21390.22106/RT)$	973-1173		9	k
5.5-94.5	$v = 0.05288 \exp(26800.64198/RT)$	973-1173		9	k
11.5-88.5	$v = 0.04071 \exp(27650.4266/RT)$	973-1173		9	k
18.35-81.65	$v = 0.02845 \exp(29800.62017/RT)$	973-1173		9	k
25.7-74.3	$v = 0.01967 \exp(31900.6049/RT)$	973-1173		9	k
	$AlCl_3$-KCl-NaCl				
0-61.5-38.5	$v = 0.0391 \exp(30180.53372/RT)$	973-1173		9	k
0-70.6-29.4	$v = 0.05141 \exp(28030.34015/RT)$	973-1173		9	k
0-84.6-15.4	$v = 0.07806 \exp(25240.40228/RT)$	973-1173		9	k
5.1-58.4-36.5	$v = 0.02665 \exp(31610.64885/RT)$	973-1173		9	k
5.2-66.9-27.9	$v = 0.0353 \exp(29710.66266/RT)$	973-1173		9	k
5.3-80.1-14.6	$v = 0.05335 \exp(26990.59876/RT)$	973-1173		9	k
10.6-55.0-34.4	$v = 0.01942 \exp(32820.68189/RT)$	973-1173		9	k
10.9-62.9-26.2	$v = 0.02568 \exp(31050.40188/RT)$	973-1173		9	k
11.2-75.1-13.7	$v = 0.03788 \exp(28570.50359/RT)$	973-1173		9	k
16.92-51.08-32.0	$v = 0.01121 \exp(36010.61686/RT)$	973-1173		9	k
17.2-58.4-24.4	$v = 0.01713 \exp(33250.38588/RT)$	973-1173		9	k
17.7-69.6-12.7	$v = 0.02466 \exp(31070.90382/RT)$	973-1173		9	k
24.2-46.6-29.2	$v = 0.00859 \exp(37430.69022/RT)$	973-1173		9	k
24.4-53.4-22.2	$v = 0.01108 \exp(35910.61759/RT)$	973-1173		9	k
25.0-63.5-11.5	$v = 0.01531 \exp(33770.46578/RT)$	973-1173		9	k
	$AlCl_3$-LiCl-NaCl				
50-20-30	$v = 0.044131 \exp(15871.85114/RT)$	372-534		10	k
50-10-40	$v = 0.053764 \exp(14981.06264/RT)$	383-556		10	k
50-30-20	$v = 0.044825 \exp(15997.79165/RT)$	384-534		10	k
50-40-10	$v = 0.049507 \exp(15836.70495/RT)$	424-574	(28)	10	k
60-30-10	$v = 0.031865 \exp(18000.70595/RT)$	383-552		10	k
60-20-20	$v = 0.03322 \exp(17659.70425/RT)$	384-532		10	k
60-10-30	$v = 0.032341 \exp(17488.15738/RT)$	387-572		10	k
70-20-10	$v = 0.032341 \exp(17488.15738/RT)$	439-533		10	k
70-10-20	$v = 0.036547 \exp(17052.59569/RT)$	439-553		10	k
80-10-10	$v = 0.02838 \exp(16209.08718/RT)$	475-533		10	k
	$AlCl_3$-NaCl				
50.2-49.8	$v = 0.08993 \exp(13501.99389/RT)$	480-570		4	b,f
50.7-49.3	$v = 0.06892 \exp(14225.41959/RT)$	480-540		4	a,f
51.8-48.2	$v = 0.05692 \exp(14903.23893/RT)$	480-540		4	a,f
56.4-43.6	$v = 0.05615 \exp(15064.32563/RT)$	480-540		4	a,f
59.4-40.6	$v = 0.08639 \exp(13941.32124/RT)$	480-570		4	b,f
60.9-39.1	$v = 0.11804 \exp(12857.64711/RT)$	480-570		4	a
65.2-34.8	$v = 0.09684 \exp(13840.90356/RT)$	480-570		4	a
65.5-34.5	$v = 0.09778 \exp(13953.87345/RT)$	500-570		4	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	AlF_3-LiF				
0.0-100.0	v = 0.18549 exp(23472.6327/RT)	1150-1340	(29)	11	a
10.0-90.0	v = 0.10194 exp(30373.00094/RT)	1240-1390		11	a,f
22.5-77.5	v = 0.01192 exp(54072.82865/RT)	1180-1350		11	a,f
25.0-75.0	v = 0.0224 exp(48079.14837/RT)	1180-1340		11	a
30.0-70.0	v = 0.01691 exp(49932.69138/RT)	1240-1380		11	a
35.0-65.0	v = 0.02949 exp(43137.7617/RT)	1210-1330		11	a,f
	AlF_3-NaF				
0.00-100.00	v = 0.0397 exp(41133.59217/RT)	1290-1470	(30)	11	a
4.54-95.46	v = 0.0737 exp(33773.39463/RT)	1280-1460		11	a,f
10.00-90.00	v = 0.0462 exp(40507.23689/RT)	1240-1460		11	a,b,f
16.67-83.33	v = 0.0363 exp(44654.06867/RT)	1260-1410		11	a,f
21.42-78.58	v = 0.0172 exp(53685.38376/RT)	1290-1460		11	a,f
25.00-75.00	v = 0.01736 exp(53945.21451/RT)	1310-1440		11	a
28.96-71.04	v = 0.0284 exp(46785.43393/RT)	1300-1450		11	a,f
37.99-62.01	v = 0.0352 exp(38494.28081/RT)	1170-1370		11	a,f
	AlF_3-Na_3AlF_6				
0-100	v = 0.1856 exp(20769.72348/RT)	1303-1343	(31)	5	a,f
8.3-91.7	v = 0.0833865 exp(29279.28505/RT)	1300-1340		5	a,f
15.7-84.3	v = 0.0785903 exp(29747.06407/RT)	1300-1340		5	a,f
23.5-76.5	v = 0.0714934 exp(30503.54393/RT)	1300-1340		5	a,f
28.2-71.8	v = 0.0842072 exp(28367.57619/RT)	1300-1340		5	a,f
	AlI_3				
100	v = 0.06338 exp(14547.17458/RT)	480-660	±3%	3	a,f
	Al_2O_3-CaF_2				
7.8-92.2	(T=1773 K, v=1)			5	a
16.1-83.9	(T=1773 K, v=1.5)			5	a
18.6-81.4	(T=1673 K, v=1.5)			5	a
24.7-75.3	(T=1673 K, v=2)			5	a
28.3-71.7	(T=1873 K, v=0.3)			5	a
29.2-70.8	(T=1773 K, v=3)			5	a
33.8-66.2	v = 7.402 x 10^{-19} exp(6.3585646516 x 10^5/RT)	1773-1873		5	a,f
38.5-61.5	(T=1873 K, v=0.6)			5	a
40.4-59.6	(T=1873 K, v=0.8)			5	a
43.4-56.6	(T=1873 K, v=1)			5	a
	Al_2O_3-NaF				
40-10 Al_2O_3	v = - 89.9 + 14.27 C - 0.038 C^2	1673		5	a
	Al_2O_3-Na_3AlF_6				
7.9-92.1	v = 0.0225944 exp(49593.78171/RT)	1280-1380	(32)	5	a,f
15.2-84.8	v = 0.0217493 exp(51100.04691/RT)	1250-1360		5	a,f
21.9-78.1	v = 0.0254018 exp(51459.87693/RT)	1240-1360		5	a,f
24.0-76.0	v = 0.0389771 exp(48623.07747/RT)	1280-1460	(33)	5	a,f
30.0-70.0	v = 0.0416906 exp(51493.34949/RT)	1300-1480		5	a,f
	As_2O_3				
100	v = 0.01679 exp(92932.37877/RT)	601-703	n.a.	1	a,f
	$BaCl_2$				
100	v = 0.07993 exp(39521.55368/RT)	1210-1320	±1%	12	d
	$BaCl_2$-CsCl				
0-100	v = 0.03448 exp(28342.89018/RT)	930-1030	(34)	4	a
11.42-88.58	v = 0.13769 exp(19196.51316/RT)	1070-1250		4	a
24.32-75.68	v = 0.10483 exp(24368.02368/RT)	1000-1240		4	a
33.02-66.98	v = 0.06616 exp(30539.52693/RT)	1000-1190		4	a
43.75-56.25	v = 0.05559 exp(33849.1263/RT)	1030-1200		4	a
53.37-46.63	v = 0.04584 exp(37560.39639/RT)	1030-1200		4	a
64.83-35.17	v = 0.02607 exp(44836.49412/RT)	1100-1240		4	a

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m⁻²) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
75.28-24.72	v = 0.02928 exp(44723.52423/RT)	1130-1290		4	a
84.78-15.22	v = 0.02799 exp(47623.08474/RT)	1180-1290		4	a
100-0	v = 0.0357 exp(48146.09349/RT)	1240-1290	(35)	4	a
	$BaCl_2$-LiCl				
10.2-89.8	v = 0.18963 exp(16355.52963/RT)	1010-1160		4	a
25.0-75:0	v = 0.23561 exp(15941.3067/RT)	1020-1170		4	a
39.4-60.6	v = 0.2765 exp(17066.82153/RT)	1010-1170		4	b,f
53.3-46.7	v = 0.18155 exp(24355.47147/RT)	1070-1220		4	a
68.0-32.0	v = 0.20147 exp(25778.05527/RT)	1130-1250		4	a
85.0-15.0	v = 0.13508 exp(32221.52307/RT)	1160-1230		4	a
100.0-0.0	v = 0.0357 exp(48146.09349/RT)	1240-1290	(36)	4	a
	$BaCl_2$-$MgCl_2$				
0-100	v = 0.1317 exp(23460.08049/RT)	1010-1130	(37)	4	a,f
0-100	v = 0.2192 exp(18929.9879/RT)	1023-1073		4	a,f
10-90	v = 0.1013 exp(25641.65459/RT)	973-1073		4	a,f
20-80	v = 0.1156 exp(25083.49965/RT)	973-1073		4	a,f
30-70	v = 0.1005 exp(27239.96933/RT)	973-1073		4	a,f
40-60	v = 0.091698 exp(29317.77849/RT)	973-1073		4	a,f
50-50	v = 0.030581 exp(40446.98628/RT)	973-1073		4	a,f
60-40	v = 0.02574 exp(43978.34136/RT)	1023-1073		4	a,f
100-0	v = 0.0934 exp(38730.26236/RT)	1250-1350	(38)	4	a,f
	$BaCl_2$-NaCl				
0-100	v = 0.01134 exp(44154.49071/RT)	1100-1140	(39)	4	a
19-81	v = 0.0539 exp(33039.92716/RT)	1030-1140		4	a,f
26-74	v = 0.07615 exp(30870.48687/RT)	1000-1140		4	a,f
33-67	v = 0.1682 exp(24745.00839/RT)	1000-1140		4	a,f
40-60	v = 0.1025 exp(30223.62965/RT)	1000-1140		4	a,f
46-54	v = 0.06797 exp(34609.79023/RT)	1000-1140		4	a,f
53-47	v = 0.1116 exp(30586.80692/RT)	1030-1140		4	a,f
60-40	v = 0.2475 exp(23744.17884/RT)	1050-1140		4	a,f
	$BaCl_2$-Na_3AlF_6				
60-40	v = 0.0136 exp(50146.07895/RT)	1050-1130		5	a
	$Ba(NO_2)_2$				
100	v = 0.0012906 exp(47347.35453/RT)	553-593	±5%	6	a,f
	$Ba(NO_2)_2$-KNO_2				
18-82	v = 0.0308093 exp(24950.44622/RT)	613-623		6	a,g
26-74	v = 0.0292876 exp(26082.65557/RT)	583-623		6	a,g
30-70	v = 0.0191876 exp(28783.47275/RT)	583-623		6	a,g
40-60	v = 0.00720668 exp(34798.07338/RT)	583-623		6	a,g
50-50	v = 0.00522441 exp(37533.61834/RT)	583-623		6	a,g
60-40	v = 0.00507827 exp(38659.13317/RT)	593-623		6	a,g
70-30	v = 0.0049975 exp(39556.19778/RT)	593-623		6	a,g
80-20	v = 0.0075989 exp(38229.84759/RT)	593-623		6	a,g
83-17	v = 0.0237487 exp(32592.65008/RT)	583-623		6	a,g
90-10	(T=583 K, v=20.2)			6	a,g
100-0	v = 0.0012906 exp(47347.35453/RT)	553-593	(40)	6	a,g
	$Ba(NO_2)_2$-KNO_2-$NaNO_2$				
21.2-42.4-36.4	v = 0.05259 exp(24586.43213/RT)	453-621		13	k
56.3-6.2-37.5	v = 3.648 x 10⁻⁶ exp(67490.72273/RT)	473-518		13	k
56.3-6.2-37.5	v = 0.01305 exp(32499.34532/RT)	518-598		13	k
	$Ba(NO_2)_2$-$NaNO_2$				
20-80	v = 0.050619 exp(22013.64749/RT)	513-613		6	a,g
30-70	v = 0.0425687 exp(23928.69633/RT)	513-613		6	a,g
40-60	v = 0.0418772 exp(24998.56303/RT)	513-613		6	a,g
43-57	v = 0.0314318 exp(26673.02784/RT)	513-593		6	
50-50	v = 0.0325 exp(27116.95767/RT)	513-593		6	a,g

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
60-40	$v = 0.01975 \exp(30380.53227/RT)$	513-593		6	a,g
66-34	(T=513 K, v=33)			6	a,g
66-34	$v = 0.0323339 \exp(28707.74108/RT)$	533-593		6	a,g
70-30	$v = 0.02152 \exp(30902.70421/RT)$	533-593		6	a,g
81-19	$v = 0.00614624 \exp(37916.87915/RT)$	533-593		6	a,g
100-0	$v = 0.0012906 \exp(47347.35453/RT)$	553-593	(41)	6	a,g
	$Ba(NO_3)_2$-KNO_3				
0-100	$v = 0.1 \exp(17047.1564/RT)$	613-693	(42)	14	k
5-95	$v = 0.09085 \exp(18078.52966/RT)$	593-693		14	k
11-89	$v = 0.08982 \exp(18670.99397/RT)$	573-693		14	k
18-82	$v = 0.102 \exp(18609.48814/RT)$	613-693		14	k
23-77	$v = 0.1104 \exp(18868.48207/RT)$	633-693		14	k
	$Ba(NO_3)_2$-KNO_3-$NaNO_3$				
2.8-50.0-47.2	$v = 0.05284 \exp(20393.15718/RT)$	503-727		13	k
	BeF_2				
100	$v = 7.603 \times 10^{-7} \exp((2.200402413 \times 10^5/RT) + (1.471000 \times 10^6 /T^2))$	847-1252	±10%	1	a,b,f
100	$v = 3.0184 \times 10^{-7} \exp(2.3925767481 \times 10^5/RT)$	1024-1130	±10%	1	a,b,f
100	$v = 2.2647 \times 10^{-7} \exp(2.4226602114 \times 10^5/RT)$	1130-1252	±10%	1	a,b,f
	BeF_2-KF				
50-50	$v = 0.00515 \exp(58040.16382/RT)$	873-1073	(43)	11	a,f
79-21	(T=1073.2 K, v=2.2)			11	a
	BeF_2-LiF				
36.00-64.00	$v = 0.0594 \exp(38284.2405/RT)$	740-860	(44)	11	a
45.00-55.00	$v = 0.0207 \exp(49581.2295/RT)$	700-820		11	a
50.00-50.00	$v = 0.00845 \exp(58702.5021/RT)$	660-840		11	a
55.01-44.99	$v = 0.00627 \exp(64685.7222/RT)$	680-840		11	a
60.00-40.00	$v = 0.00421 \exp(72468.0924/RT)$	720-840		11	a
65.00-35.00	$v = 0.00311 \exp(80375.9847/RT)$	740-980		11	a
70.00-30.00	$v = 0.00202 \exp(89873.8236/RT)$	760-940		11	a
75.00-25.00	$v = 9.2 \times 10^{-4} \exp(1.026352371 \times 10^5/RT)$	780-960		11	a
79.99-20.01	$v = 5.98 \times 10^{-4} \exp(1.145598366 \times 10^5/RT)$	840-980		11	a
85.00-15.00	$v = 4.57 \times 10^{-4} \exp(1.254384186 \times 10^5/RT)$	820-1000		11	a
90.02-9.98	$v = 1.71 \times 10^{-4} \exp(1.441412115 \times 10^5/RT)$	880-1120		11	a
91.02-8.98	$v = 1.99 \times 10^{-4} \exp(1.462750872 \times 10^5/RT)$	820-1100		11	a
93.01-6.99	$v = 1.05 \times 10^{-4} \exp(1.569444657 \times 10^5/RT)$	860-1100		11	a
94.91-5.09	$v = 7.69 \times 10^{-5} \exp(1.647268359 \times 10^5/RT)$	840-1100		11	a
96.01-3.99	$v = 6.05 \times 10^{-5} \exp(1.709192595 \times 10^5/RT)$	880-1080		11	a
97.00-3.00	$v = 2.31 \times 10^{-5} \exp(1.835551509 \times 10^5/RT)$	880-1180		11	a
98.01-1.99	$v = 6.62 \times 10^{-6} \exp(1.98324918 \times 10^5/RT)$	900-1240		11	a
99.01-0.99	$v = 1.53 \times 10^{-6} \exp(2.174461179 \times 10^5/RT)$	980-1240		11	a
100-0	$v = 7.603 \times 10^{-7} \exp((2.200402413 \times 10^5/RT) + (1.471000 \times 10^6 /T^2))$	847-1252	±10%,(45)	11	a,b,f
	BeF_2-LiF-ThF_4				
15.7-72.7-11.6	$v = 0.1091 \exp(33995.56875/RT)$	840-940		5	a
23.9-70.1-6.0	$v = 0.06625 \exp(36388.85679/RT)$	800-900		5	a
	BeF_2-NaF				
26.04-72.96	$v = 0.1057 \exp(29519.86907/RT)$	973-1073	(46)	11	
30-70	$v = 0.247243 \exp(22125.36216/RT)$	873-1073		11	a,f
30.17-69.83	$v = 0.2212 \exp(22682.26188/RT)$	873-1073		11	a,f
33.33-66.67	$v = 0.1441 \exp(30049.57233/RT)$	873-1073		11	a,f
40-60	$v = 0.06582 \exp(36166.68267/RT)$	873-1073		11	a,f
43-57	$v = 0.0346 \exp(42941.52882/RT)$	873-1073		11	a,f
44.41-55.59	$v = 0.04312 \exp(39485.9054/RT)$	873-1073		11	a,f
50-50	$v = 0.02919 \exp(45111.38752/RT)$	873-1073		11	a,f
52.2-47.8	$v = 0.02341 \exp(47929.77707/RT)$	873-1073		11	a,f
57.3-42.7	$v = 0.001276 \exp(74659.28986/RT)$	973-1073		11	a,f
64.11-35.89	$v = 0.002746 \exp(74051.7629/RT)$	973-1023		11	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Viscosity (mN s m^{-2}) Equation (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	BeF_2-RbF				
50-50	v = 0.005309 exp(55752.73275/RT)	873-1073	(47)	11	a,f
	$BiCl_3$				
100	v = 0.3787 exp(19635.84051/RT)	533-613	±1.5%	1	a,f
	B_2O_3				
100	v = 0.661 exp(92635.3098/RT)	873-1023	±10%	5	k
100	v = 6.738 exp(78221.18865/RT)	1410-1893	±8%	1	a
	B_2O_3-Cs_2CO_3				
97.0-3.0	v = 0.078623 exp(1.0156411518 x 10^5/RT)	873-1023		5	a,f
99.0-1.0	v = 0.17189 exp(98547.40071/RT)	873-1023		5	a,f
100-0	v = 0.661 exp(92635.3098/RT)	873-1023	(48)	5	a,f
	B_2O_3-$K_2B_4O_7$				
94.8-5.2	v = 53.8846 exp(50455.70013/RT)	1080-1320		5	a,f
96.8-3.2	v = 44.9903 exp(55786.20531/RT)	1080-1220		5	a,f
100-0	v = 52.1 exp(57949.3695/RT)	1030-1370	(49)	5	a,f
	B_2O_3-K_2CO_3				
94.0-6.0	(T=873 K, v=160000)		(50)	5	a
97.0-3.0	(T=873 K, v=100000)			5	a
99.0-1.0	v = 0.1359 exp(99754.0865/RT)	873-1023	(51)	5	a,f
	B_2O_3-Li_2CO_3				
94.0-6.0	v = 2.4653 x 10^{-4} exp(1.4664328536 x 10^5/RT)	873-1023		5	a,f
97.0-3.0	v = 0.01661 exp(1.1474435409 x 10^5/RT)	973-1023		5	a,f
99.0-1.0	v = 0.01789 exp(1.1652425747 x 10^5/RT)	873-1023		5	a,f
100-0	v = 0.661 exp(92635.3098/RT)	873-1023	(52)	5	a,f
	B_2O_3-NaCl				
2-98	v = 0.08572 exp(1.0619588067 x 10^5/RT)	870-1020		5	a
99-1	v = 0.32406 exp(96777.5391/RT)	870-1020	(53)	5	a
	B_2O_3-NaF				
81.1-19.9	v = 2.0269 x 10^{-5} exp(1.7043390738 x 10^5/RT)	870-1010		5	a
87.9-12.1	v = 2.2615 x 10^{-5} exp(1.6777283886 x 10^5/RT)	870-1010		5	a
93.6-6.4	v = 0.003038 exp(1.2786936327 x 10^5/RT)	870-1010		5	a
97.3-2.7	v = 0.012175 exp(1.1968113828 x 10^5/RT)	870-1010		5	a
	B_2O_3-$NaPO_3$				
0.0-100.0	v = 0.02412 exp(83258.80893/RT)	916-1029	(54)	5	a,f
59.4-40.6	v = 2.06673 x 10^5 - 345.57 T + 0.14464 T^2	1070-1220		5	a,f
96.5-3.5	v = 2.08791 exp(75484.80687/RT)	1070-1220		5	a,f
100-0	v = 5.17 exp(76263.04389/RT)	970-1170	(55)	5	a,f
	B_2O_3-$Na_2B_4O_7$				
0-100	v = 4.531 x 10^{-11} exp(2.745586734 x 10^5/RT)	948-1023	(56)	5	a,f
23.9-76.1	v = 1.0914 x 10^{-11} exp(2.9371752993 x 10^5/RT)	948-1023		5	a,f
51.4-49.6	v = 8.811 x 10^{-12} exp(3.025919424 x 10^5/RT)	948-1023		5	a,f
54.8-45.2	v = 2.8109 x 10^{-11} exp(2.9333677956 x 10^5/RT)	948-1023		5	a,f
59.9-40.1	v = 3.8504 x 10^{-11} exp(2.8828660707 x 10^5/RT)	948-1023		5	a,f
64.9-35.1	v = 1.4285 x 10^{-10} exp(2.7760467636 x 10^5/RT)	948-1023		5	a,f
66.3-33.7	v = 7.4 x 10^{-11} exp(2.8534102179 x 10^5/RT)	948-1023		5	a,f
67.2-32.8	v = 3.0739 x 10^{-10} exp(2.7075535377 x 10^5/RT)	948-1023		5	a,f
77.6-22.4	v = 2.0482 x 10^{-8} exp(2.3515310214 x 10^5/RT)	948-1023		5	a,f
92.1-7.9	v = 7.485 x 10^{-4} exp(1.4160315464 x 10^5/RT)	923-1023		5	a,f
100.00-0.00	v = 4.303 exp(80250.4626/RT)	923-1023	(57)	5	a,f
	B_2O_3-Na_2CO_3				
94.0-6.0	v = 0.024434 exp(1.1404519599 x 10^5/RT)	873-1023		5	a,f
97.0-3.0	v = 0.01091 exp(1.1987025824 x 10^5/RT)	873-1023		5	a,f
99.0-1.0	v = 0.0203 exp(1.1558911782 x 10^5/RT)	873-1023		5	a,f
100-0	v = 0.661 exp(92635.3098/RT)	873-1023	(58)	5	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	B_2O_3-Na_3AlF_6				
96.8-3.2	v = 0.072912 exp(96915.61341/RT)	873-1023	(59)	5	a,f
98.4-1.6	v = 0.08357 exp(1.0204235438 x 10^5/RT)	873-1023		5	a,f
	B_2O_3-Rb_2CO_3				
97.0-3.0	v = 0.006918 exp(1.1820457998 x 10^5/RT)	873-1023		5	a,f
99.0-1.0	v = 0.4838 exp(88069.23421/RT)	873-1023	(60)	5	a,f
	$CaCl_2$				
100	v = 0.10215 exp(30350.99274/RT)	980-1240	±1%	12	d
	$CaCl_2$-NaCl				
0-100	v = 0.01395 exp(42290.06912/RT)	1100-1140	(61)	4	a,f
10-90	v = 0.005655 exp(52052.34124/RT)	1050-1140		4	a,f
20-80	v = 0.01433 exp(44631.47469/RT)	1000-1140		4	a,f
30-70	v = 0.03606 exp(37282.99255/RT)	980-1140		4	a,f
40-60	v = 0.15 exp(25498.9778/RT)	930-1140		4	a,f
50-50	v = 0.2175 exp(23409.45324/RT)	930-1140		4	a,f
60-40	v = 0.3268 exp(20722.8619/RT)	930-1140		4	a,f
80-20	v = 0.3321 exp(22546.2796/RT)	980-1140		4	a,f
90-10	v = 0.3743 exp(22346.69946/RT)	1030-1140		4	a,f
100-0	v = 0.1715 exp(28610.25225/RT)	1030-1140	(62)	4	a,f
	CaC_2-CaO				
75-25	v = 29111.2 - 12.8903 T - 0.0041496 T^2 + 1.88 x 10^{-6} T^3	2190-2490		5	a
	CaF_2-CaO				
51.9-48.1	(T=1873 K, v=1.5)			5	a
55.0-45.0	(T=1873 K, v=1)			5	a
56.1-43.9	(T=1873 K, v=0.8)			5	a
56.6-43.4	(T=1873 K, v=0.6)			5	a
57.2-42.8	(T=1873 K, v=0.4)			5	a
58.2-41.8	(T=1873 K, v=0.3)			5	a
62.2-37.8	(T=1873 K, v=0.2)			5	a
	CaF_2-MgO				
67.38-32.62	v = 0.020597 exp(99367.47843/RT)	1475-1621		5	a,f
	CaF_2-Na_3AlF_6				
0-100	v = 0.1856 exp(20769.72348/RT)	1303-1343	(63)	5	a,f
6.4-93.6	v = 0.0759572 exp(30804.79697/RT)	1300-1340		5	
12.4-87.6	v = 0.0479496 exp(35979.23634/RT)	1300-1340		5	a,f
23.0-77.0	v = 0.039205 exp(38316.45784/RT)	1300-1340		5	a,f
	CaF_2-TiO_2				
95-5	(T=1570 K, v=2.75)			5	a
	CaF_2-V_2O_5				
97.79-2.21	v = 3.047 x 10^{-4} exp(1.633042521 x 10^5/RT)	1562-1773		5	a
For additional CaF_2 systems, see : Al_2O_3-					
	$Ca(NO_3)_2$-KNO_3				
0-100	v = 0.064641 exp(19388.98038/RT)	626-667	(64)	6	a
20-80	v = 0.04063 exp(23632.46417/RT)	500-670		6	a,f
26-74	v = 0.00111287 exp(40204.31022/RT)	450-525		6	a
26-74	v = 0.044748 exp(23840.83086/RT)	526-667		6	a,f
33-67	v = 55791.1 - 334.8012 T + 0.670742 T^2 - 4.4842 x 10^{-4} T^3	440-525		6	a,m
33-67	v = 0.037111 exp(25426.59339/RT)	526-667		6	a
36-64	v = 1.451 x 10^{-4} exp(50447.33199/RT)	460-525		6	a,f
36-64	v = 0.023373 exp(28296.86541/RT)	526-667		6	a
40-60	v = 39145.8 - 220.977 T + 0.41596 T^2 - 2.6094 x 10^{-4} T^3	450-525		6	a,m
40-60	v = 0.019033 exp(30250.8261/RT)	526-667		6	a
45-55	v = 6.679 x 10^{-5} exp(56171.13975/RT)	480-525		6	a,f
45-55	v = 0.010472 exp(33727.78827/RT)	526-667		6	a

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$Ca(NO_3)_2$-KNO_3-$NaNO_3$				
12-19-69	v = 0.07943 exp(19043.79461/RT)	573-673		15	k
12-40-48	v = 0.06975 exp(19687.72298/RT)	573-673		15	k
13-62-25	v = 0.06404 exp(20443.36602/RT)	573-673		15	k
22-36-42	v = 0.03436 exp(24739.5691/RT)	573-673		15	k
25-25-50	v = 0.03109 exp(25709.01812/RT)	573-673		15	k
25-50-25	v = 0.03746 exp(24545.42825/RT)	573-673		15	k
32.3-52.1-15.6	v = 1.207 x 10^{-4} exp(50851.09475/RT)	423-501		13	k
32.3-52.1-15.6	v = 0.004283 exp(35964.59209/RT)	501-610		13	k
	$Ca(NO_3)_2$-$LiNO_3$				
0-100	v = 0.06263 exp(19784.375/RT)	530-680	(65)	16	k
5-95	v = 0.02804 exp(24674.71601/RT)	520-700		16	k
11-89	v = 0.02504 exp(26468.84523/RT)	520-700		16	k
16-84	v = 0.01516 exp(30093.92348/RT)	520-680		16	k
21-79	v = 0.02033 exp(29493.92784/RT)	550-690		16	k
27-73	v = 0.01826 exp(30821.95166/RT)	580-680		16	k
33-67	v = 0.01786 exp(31771.73555/RT)	620-690		16	k
38-62	v = 0.01627 exp(33094.32007/RT)	640-690		16	k
43-57	v = 0.01419 exp(35079.24288/RT)	660-690		16	k
48-52	v = 0.00589 exp(40643.21917/RT)	680-710		16	k
54-46	v = 0.001504 exp(49609.26277/RT)	690-710		16	k
	$Ca(NO_3)_2$-$NaNO_3$				
0-100	v = 0.1038 exp(16129.68985/RT)	590-690	(66)	16	k
5-95	v = 0.09491 exp(17464.30818/RT)	570-690		16	k
11-89	v = 0.08809 exp(18382.71155/RT)	560-700		16	k
18-82	v = 0.0416 exp(23682.25461/RT)	530-680		16	k
25-75	v = 0.02384 exp(27321.14029/RT)	530-680		16	k
30-70	v = 0.02234 exp(28401.04875/RT)	530-680		16	k
38-62	v = 0.02204 exp(29548.32075/RT)	570-690		16	k
43-57	v = 0.02865 exp(28796.86178/RT)	600-700		16	k
48-52	v = 0.01895 exp(32003.53302/RT)	640-690		16	k
54-46	v = 0.005196 exp(40359.53922/RT)	680-710		16	k
60-40	v = 9.305 x 10^{-5} exp(64433.84119/RT)	680-710		16	k
	CaO-KOH-K_2CO_3				
7.6-2.0-90.4	v = 0.0208415 exp(26320.31074/RT)	680-860		5	a,f
	CaO-NaF				
55-15 CaO	v = - 25.2 + 3.38 C - 0.008 C^2	1673		5	a
	CaO-NaOH-Na_2CO_3				
1.4-97.0-1.6	v = 0.0997208 exp(18340.45244/RT)	730-820		5	a,f
For additional CaO systems, see : CaC_2- ; CaF_2-					
	$CaSO_4$-Na_2SO_4				
0-100	v = 0.148 exp(41798.8593/RT)	1240-1470	(67)	7	a
10-90	v = 0.0479 exp(57405.4404/RT)	1240-1470		7	a
20-80	v = 0.024 exp(65815.4211/RT)	1240-1470		7	a
30-70	v = 0.0407 exp(63514.1826/RT)	1240-1470		7	a
40-60	v = 0.2884 exp(45982.9293/RT)	1240-1470		7	a
55-45	v = 0.4786 exp(39999.7092/RT)	1240-1470		7	a
	$CdBr_2$				
100	v = 0.1893 exp(19062.62292/RT)	853-949	±1.5%	1	a,f
	$CdBr_2$-$CdCl_2$				
0-100	v = 0.2405 exp(16368.08184/RT)	863-963	(68)	2	a,f
10-90	v = 0.2168 exp(17238.3684/RT)	873-933		2	a,f
20-80	v = 0.2101 exp(17558.03135/RT)	873-933		2	a,f
30-70	v = 0.2037 exp(17871.41819/RT)	873-933		2	a,f
40-60	v = 0.21 exp(17711.58672/RT)	873-933		2	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
50-50	v = 0.2039 exp(18017.02383/RT)	873-933		2	a,f
60-40	v = 0.2101 exp(17858.44757/RT)	873-933		2	a,f
70-30	v = 0.2041 exp(18156.35336/RT)	873-933		2	a,f
80-20	v = 0.1984 exp(18448.40144/RT)	873-933		2	a,f
90-10	v = 0.2044 exp(18291.08041/RT)	873-933		2	a,f
100-0	v = 0.1893 exp(19062.62292/RT)	853-949	(69)	2	a,f
	$CdBr_2$-KCl				
50-50	v = 0.198419 exp(16242.14133/RT)	683-791		2	a,f
60-40	v = 0.181767 exp(16635.44391/RT)	683-791		2	a,f
70-30	v = 0.2096 exp(15754.69718/RT)	733-791		2	a,f
80-20	v = 0.1959 exp(16424.98519/RT)	733-791		2	a,f
	$CdBr_2$-NaCl				
60-80 $CdBr_2$	v = 2.625 - 0.008152 C + 1.011 x 10^{-4} C^2	793		2	a,n
	$CdBr_2$-$PbCl_2$				
0-100	(T=793 K, v=3.8)		(70)	2	a
10-90	(T=793 K, v=3.7)			2	a
20-80	(T=793 K, v=3.6)			2	a
30-70	v = 0.08191 exp(24719.06715/RT)	733-793		2	a
40-60	v = 0.08994 exp(23832.04431/RT)	733-793		2	a
50-50	v = 0.09026 exp(23547.10915/RT)	733-793		2	a
60-40	v = 0.1163 exp(21914.90344/RT)	733-793		2	a
70-30	(T=733 K, v=4.27)			2	a
80-20	(T=733 K, v=4.36)			2	a
90-10	(T=733 K, v=4.5)			2	a
	$CdCl_2$				
100	v = 0.2405 exp(16368.08184/RT)	863-963	±1.5%	1	a,f
	$CdCl_2$-CdI_2				
0-100	v = 0.03235 exp(32126.96309/RT)	683-793	(71)	2	a,f
10-90	v = 0.06952 exp(27084.32192/RT)	683-793		2	a,f
20-80	v = 0.08508 exp(25837.46906/RT)	683-793		2	a,f
30-70	v = 0.0982 exp(24837.89474/RT)	683-793		2	a,f
40-60	v = 0.08688 exp(25659.64609/RT)	683-793		2	a,f
50-50	v = 0.1013 exp(24703.58609/RT)	683-793		2	a,f
	$CdCl_2$-KBr				
32.7-67.3	v = 0.11685 exp(18265.97599/RT)	683-930		2	a,b,f
37.9-62.1	v = 0.092337 exp(20585.20599/RT)	644-918		2	a,b,f
43.9-56.1	v = 0.078273 exp(21440.4299/RT)	697-916		2	a,b,f
50.8-49.2	v = 0.073125 exp(22530.79854/RT)	704-877		2	a,b,f
53.5-46.5	v = 0.11295 exp(19741.27907/RT)	667-911		2	a,b,f
59.9-40.1	v = 0.066934 exp(23154.64338/RT)	650-904		2	a,b,f
	$CdCl_2$-KCl				
21.6-78.4	v = 0.05392 exp(25309.43943/RT)	880-970		4	a
26.1-73.9	v = 0.0668 exp(23670.1208/RT)	830-970		4	a,f
37.5-62.5	v = 0.06544 exp(23564.68224/RT)	730-970		4	a
45.6-54.4	v = 0.06313 exp(23803.17423/RT)	730-970		4	a
50.1-49.9	v = 0.06124 exp(24016.5618/RT)	730-970		4	a
51.1-48.9	v = 0.06977 exp(23292.71769/RT)	730-970		4	a
65.6-34.4	v = 0.07274 exp(23815.72644/RT)	730-970		4	a
76.5-23.5	v = 0.10266 exp(22058.41704/RT)	780-970		4	a
100.0-0.0	v = 0.2405 exp(16368.08184/RT)	863-963	(72)	4	a
	$CdCl_2$-NaBr				
60-40	v = 0.3812 exp(12186.52228/RT)	735-793		2	a,f
70-30	v = 0.2892 exp(14089.01891/RT)	735-793		2	a,f
80-20	(T=793 K, v=2.61)			2	a

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$CdCl_2$-NaCl				
27.2-72.8	v = 0.098 exp(21322.02072/RT)	930-970		4	a
50.0-50.0	v = 0.0715 exp(23359.2444/RT)	730-970		4	a,f
54.5-45.5	v = 0.0659 exp(23987.27331/RT)	730-970		4	a
60.0-40.0	v = 0.07732 exp(23205.68903/RT)	730-970		4	a,f
74.5-25.5	v = 0.1045 exp(21531.22422/RT)	780-970		4	a
100.0-0.0	v = 0.2405 exp(16368.08184/RT)	863-963	(73)	4	a,f
	$CdCl_2$-$PbBr_2$				
0-100	v = 0.05864 exp(27741.22091/RT)	733-793	(74)	2	a,f
10-90	v = 0.04893 exp(28643.72481/RT)	733-793		2	a,f
20-80	v = 0.04138 exp(29481.79403/RT)	733-793		2	a,f
30-70	v = 0.03357 exp(30638.68939/RT)	733-793		2	a,f
40-60	v = 0.02856 exp(31551.65346/RT)	733-793		2	a,f
50-50	(T=793 K, v=3.4)			2	a
60-40	(T=793 K, v=3.4)			2	a
	$CdCl_2$-$PbCl_2$				
0.0-100.0	v = 0.04915 exp(29284.30593/RT)	800-950	(75)	4	a
25.1-74.9	v = 0.07629 exp(25725.33599/RT)	760-950		4	a,f
35.8-64.2	v = 0.08377 exp(24578.06399/RT)	720-950		4	a,f
48.2-51.8	v = 0.08208 exp(24489.36171/RT)	760-950		4	a,f
74.6-25.4	v = 0.1552 exp(19499.43983/RT)	840-950		4	a,f
100.0-0.0	v = 0.2405 exp(16368.08184/RT)	863-963	(76)	4	a,f
For additional $CdCl_2$ systems, see : $CdBr_2$-					
	CdI_2				
100	v = 0.082084 exp(29472.58908/RT)	680-920	±4%	3	a,f
For additional CdI_2 systems, see : $CdCl_2$-					
	$Cd(NO_3)_2$-KNO_3-$LiNO_3$				
11.3-61.2-27.5	v = 0.01431 exp(26160.06086/RT)	403-603		13	k
	$Cd(NO_3)_2$-KNO_3-$NaNO_3$				
22.0-59.1-18.9	v = 0.003138 exp(32981.76859/RT)	412-473		13	k
22.0-59.1-18.9	v = 0.02629 exp(24296.89449/RT)	473-605		13	k
46.0-14.6-39.4	v = 1.019 x 10^{-4} exp(52066.98549/RT)	404-519		13	k
46.0-14.6-39.4	v = 0.003439 exp(36942.40925/RT)	519-603		13	k
	$Cd(NO_3)_2$-$LiNO_3$-$NaNO_3$				
38.9-20.1-41.0	v = 2.33 x 10^{-4} exp(47372.04054/RT)	403-468		13	k
38.9-20.1-41.0	v = 0.002255 exp(38360.80898/RT)	468-603		13	k
	$Cd(SCN)_2$-$N(C_3H_7)_4SCN$				
1.8-98.2	v = 2.9367 x 10^{-5} exp(43871.35469/RT)	330-370		7	a,f
4.7-95.3	v = 1.6999 x 10^{-5} exp(45921.80004/RT)	330-370		7	a,f
15.1-84.9	v = 6.0141 x 10^{-6} exp(49859.17727/RT)	330-370		7	a,f
21.1-78.9	v = 2.8786 x 10^{-6} exp(52655.72598/RT)	330-370		7	a,f
	$CeCl_3$-KCl*NaCl				
2.9-97.1	v = 0.04532 exp(28058.37342/RT)	973-1123	(77)	17	z,k
6.3-93.7	v = 0.0262 exp(33850.38152/RT)	973-1123		17	k
21.2-78.8	v = 0.04978 exp(29920.28457/RT)	973-1123		17	k
	Co_4S_3				
100	v = 0.3289 exp(23775.55937/RT)	1523-1773	±10%	7	a,f
	Co_4S_3-Cu_2S				
0-100	v = 0.3102 exp(32112.31884/RT)	1473-1773	(78)	7	a,f
5.03-94.97	v = 0.4033 exp(27473.02203/RT)	1473-1773		7	a,f
10.66-89.34	v = 0.4039 exp(26272.19394/RT)	1473-1773		7	a,f
16.98-83.02	v = 0.521 exp(21236.66569/RT)	1473-1773		7	a,f
24.30-75.70	v = 0.4435 exp(22570.96562/RT)	1473-1773		7	a,f
32.47-67.53	v = 0.4748 exp(20826.62683/RT)	1473-1773		7	a,f
41.90-58.10	v = 0.4115 exp(21341.68585/RT)	1473-1773		7	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
52.75-47.25	v = 0.4209 exp(19686.04935/RT)	1473-1773		7	a,f
65.67-34.33	v = 0.375 exp(21389.80265/RT)	1473-1773		7	a,f
81.14-18.86	v = 0.3927 exp(20240.43863/RT)	1473-1773		7	a,f
100-0	v = 0.3949 exp(21254.65719/RT)	1473-1773	(79)	7	a,f
	Co_4S_3-FeS				
0-100	v = 0.3327 exp(29434.09564/RT)	1523-1773	(80)	7	a,f
3-97	v = 0.3385 exp(28248.74861/RT)	1523-1773		7	a,f
6-94	v = 0.3325 exp(27859.21169/RT)	1523-1773		7	a,f
10-90	v = 0.3267 exp(27430.34451/RT)	1523-1773		7	a,f
15-85	v = 0.3009 exp(27551.26414/RT)	1523-1773		7	a,f
21-79	v = 0.3341 exp(25231.19732/RT)	1523-1773		7	a,f
38-62	v = 0.328 exp(22894.81263/RT)	1523-1773		7	a,f
44-56	v = 0.3553 exp(21232.90003/RT)	1523-1773		7	a,f
51-49	v = 0.3553 exp(21232.90003/RT)	1523-1773		7	a,f
70-30	v = 0.3827 exp(20621.189/RT)	1523-1773		7	a,f
100-0	v = 0.3289 exp(23775.55937/RT)	1523-1773	(81)	7	a,f
	Co_4S_3-Ni_3S_2				
0-100	v = 0.3704 exp(28444.14467/RT)	1523-1773	(82)	7	a,f
7.4-92.6	v = 0.7705 exp(16565.56994/RT)	1523-1773		7	a,f
15.3-84.7	v = 1.06 exp(10761.00963/RT)	1523-1773		7	a,f
23.6-76.4	v = 1.163 exp(8361.44549/RT)	1523-1773		7	a,f
32.6-67.4	v = 1.015 exp(9080.26871/RT)	1523-1773		7	a,f
42.1-57.9	v = 1.06 exp(7386.97559/RT)	1523-1773		7	a,f
52.2-47.8	v = 0.8648 exp(9069.80854/RT)	1523-1773		7	a,f
62.8-37.2	v = 0.752 exp(10179.4239/RT)	1523-1773		7	a,f
74.4-25.6	v = 0.8393 exp(8561.02563/RT)	1523-1773		7	a,f
86.6-13.4	v = 0.8829 exp(8297.42922/RT)	1523-1773		7	a,f
100-0	v = 0.3289 exp(23775.55937/RT)	1523-1773	(83)	7	a,f
	CsBr				
100	v = 0.0847 exp(22920.33546/RT)	912-1192	±1.5%	18	d
	CsBr-CsCl				
0-100 CsBr	v = 1.033 + 0.001684 C	1070	(84)	2	a,n
	CsBr-CsF				
0-100 CsBr	$v = 1.304 - 0.00263\ C - 4.083 \times 10^{-5}\ C^2 + 5.694 \times 10^{-7}\ C^3$	1070	(85)	2	a,n
	CsBr-CsI				
0-100 CsI	$v = 1.203 - 0.0023\ C + 4.253 \times 10^{-6}\ C^2$	1070	(86)	2	
	CsCl				
100	v = 0.07148 exp(23619.40988/RT)	934-1072	±1%	19	d
	CsCl-CsF				
0-100 CsCl	$v = 1.304 - 0.01404\ C + 3.029 \times 10^{-4}\ C^2 - 2.709 \times 10^{-6}\ C^3 + 8.148 \times 10^{-9}\ C^4$	1070	(87)	2	a,n
	CsCl-CsI				
0-100 CsI	$v = 1.034 + 4.729 \times 10^{-4}\ C - 3.116 \times 10^{-5}\ C^2 + 4.026 \times 10^{-7}\ C^3 - 1.613 \times 10^{-9}\ C^4$	1073	(88)	2	a,n
	CsCl-KCl				
0-100	v = 0.054 exp(26878.46568/RT)	1053-1203	(89)	20	k
25-75	v = 0.055 exp(26192.2782/RT)	983-1083		20	k
50-50	v = 0.058 exp(25560.48363/RT)	898-1103		20	k
75-25	v = 0.064 exp(24853.3758/RT)	913-1083		20	k
100-0	v = 0.084 exp(22552.1373/RT)	963-1083	(90)	20	k
	CsCl-$LaCl_3$				
0.0-100.0	v = 0.00984 exp(61851.01478/RT)	1150-1240	(91)	4	a
10.3-89.7	v = 0.01403 exp(55936.83183/RT)	1140-1210		4	a
22.0-78.0	v = 0.02951 exp(46556.14689/RT)	1070-1220		4	a
35.0-65.0	v = 0.03436 exp(43033.15995/RT)	1060-1180		4	a
47.7-52.3	v = 0.04018 exp(39547.82964/RT)	1070-1180		4	a
60.2-39.8	v = 0.05585 exp(34284.26958/RT)	1060-1170		4	a
73.5-26.5	v = 0.05943 exp(31472.57454/RT)	1070-1160		4	a
87.3-12.7	v = 0.02944 exp(23623.25922/RT)	1060-1160		4	a

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m⁻²) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
100-0	v = 0.03448 exp(28342.89018/RT)	930-1030	(92)	4	a
	CsCl-LiCl				
0-100	v = 0.05 exp(25941.234/RT)	893-1083	(93)	20	k
0-100	v = 0.044257 exp(26694.3666/RT)	930-1060	(94)	4	a
25-75	v = 0.088 exp(20439.18195/RT)	903-1083		20	k
30-70	v = 0.058263 exp(23388.9513/RT)	840-1050		4	a
45-55	v = 0.042181 exp(26317.8003/RT)	840-1060		4	a
50-50	v = 0.068 exp(23221.5885/RT)	913-1093		20	k
60-40	v = 0.034348 exp(28284.3132/RT)	920-1020		4	a
70-30	v = 0.041733 exp(26819.8887/RT)	870-1060		4	a
75-25	v = 0.040057 exp(27070.9329/RT)	830-1060		4	a
75-25	v = 0.061 exp(24476.8095/RT)	908-1083		20	k
80-20	v = 0.049971 exp(25439.1456/RT)	890-1060		4	a
90-10	v = 0.05926 exp(24602.3316/RT)	910-1070		4	a
100-0	v = 0.034478 exp(28242.4725/RT)	930-1030	(95)	4	a
100-0	v = 0.084 exp(22552.1373/RT)	963-1083	(96)	20	k
	CsCl-RbCl				
0-100	v = 0.072 exp(24602.3316/RT)	1013-1113	(97)	20	k
50-50	v = 0.063 exp(25200.65361/RT)	943-1118		20	k
100-0	v = 0.084 exp(22552.1373/RT)	963-1083	(98)	20	k
	$CsCl-ZnCl_2$				
5.6-94.4	v = 3.961 x 10^{-4} exp(67497.41724/RT)	593-726		21,22	k
12.0-88.0	v = 0.001314 exp(56164.86365/RT)	576-687		21,22	k
19.3-80.7	v = 0.00271 exp(47593.37784/RT)	555-638		21,22	k
26.1-73.9	v = 0.005044 exp(42273.33284/RT)	549-596		21,22	k
33.2-66.8	v = 0.00349 exp(42193.83551/RT)	547-598		21,22	k
49.4-50.6	v = 0.05385 exp(26321.56596/RT)	692-879		21,22	k
59.5-40.5	v = 0.06688 exp(26125.33308/RT)	834-1016		21,22	k
68.3-31.7	v = 0.05935 exp(26978.46495/RT)	883-1065		21,22	k
84.1-15.9	v = 0.08111 exp(23799.82697/RT)	835-1013		21,22	k
100.0-0.0	v = 0.06791 exp(23342.92653/RT)	944-1115	(99)	21,22	k
For additional CsCl systems, see : $BaCl_2$- ; CsBr-					
	CsF				
100	v = 0.101637 exp(22177.03542/RT)	982-1281	±3%	23	d
	CsF-CsI				
0-100 CsI	v = 1.302 + 7.338 x 10^{-4} C - 3.595 x 10^{-4} C^2 + 6.08 x 10^{-6} C^3 - 2.846 x 10^{-8} C^4	1070	(100)	2	a,n
For additional CsF systems, see : CsCl-					
	CsI				
100	v = 0.0772 exp(22701.2994/RT)	917-1198	±1.5%	18	a,f
For additional CsI systems, see : CsBr- ; CsCl- ; CsF-					
	$CsNO_2$				
100	v = 0.1058 exp(17627.48691/RT)	688-739	±3%	1	a,f
	$CsNO_3$				
100	v = 0.039363 exp(23193.13682/RT)	685-740	±1.5%	6	a,f
	$CsNO_3-KNO_3$				
0-100	v = 0.07375 exp(18665.13627/RT)	630-770	(101)	6	a
25-75	v = 0.06704 exp(19351.32375/RT)	600-770		6	a
50-50	v = 0.07851 exp(18690.24069/RT)	580-770		6	a
75-25	v = 0.0845664 exp(18583.96531/RT)	630-770		6	a,f
100-0	v = 0.05236 exp(22020.76041/RT)	700-770	(102)	6	a
	$CsNO_3-LiNO_3$				
0-100	v = 0.08363 exp(18690.24069/RT)	550-690	(103)	6	b,f,l
20-80	v = 0.0905 exp(17485.22853/RT)	530-690		6	b,f,l
40-60	v = 0.1199 exp(15669.34215/RT)	530-690		6	b,f,l
60-40	v = 0.1118 exp(16203.64789/RT)	550-690		6	b,f,l
80-20	v = 0.09988 exp(17380.62678/RT)	580-690		6	b,f,l

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
100-0	v = 0.05236 exp(22020.76041/RT)	700-770	(104)	6	a
	$CsNO_3$-$NaNO_3$				
0-100	v = 0.1027 exp(16313.68893/RT)	600-740	(105)	6	a,f
25-75	v = 0.066 exp(18853.41942/RT)	580-740		6	a,f
50-50	v = 0.08442 exp(17786.48157/RT)	580-740		6	a
75-25	v = 0.103 exp(17146.31886/RT)	600-740		6	a
100-0	v = 0.05236 exp(22020.76041/RT)	700-770	(106)	6	a
	$CsNO_3$-$RbNO_3$				
0-100	v = 0.13076 exp(16594.02162/RT)	600-740	(107)	6	a
25-75	v = 0.13671 exp(16175.61462/RT)	600-770		6	a,f
50-50	v = 0.11333 exp(17217.44805/RT)	630-770		6	a,f
75-25	v = 0.07781 exp(19499.43983/RT)	650-770		6	a,f
100-0	v = 0.05236 exp(22020.76041/RT)	700-770	(108)	6	a,b,f
For additional $CsNO_3$ systems, see : $AgNO_3$-					
	Cs_2CO_3				
100	v = 0.11478 exp(29468.40501/RT)	1072-1211	±3%,(109)	24	k
For additional Cs_2CO_3 systems, see : B_2O_3-					
	CuCl				
100	v = 0.1042 exp(21234.15525/RT)	773-973	±3%	1	a,f
	CuSCN-$N(C_3H_7)_4SCN$				
0.0-100.0	v = 2.48274 x 10^{-5} exp(44100.0978/RT)	330-380	(110)	7	a,b,f
7.0-93.0	v = 1.31219 x 10^{-5} exp(46736.0619/RT)	330-380		7	a,b,f
18.1-81.9	v = 2.699 x 10^{-6} exp(52844.8041/RT)	330-380		7	a,b,f
25.4-74.6	v = 5.911 x 10^{-7} exp(58451.4579/RT)	330-380		7	a,b,f
30.7-69.3	v = 1.863 x 10^{-7} exp(62677.3686/RT)	330-380		7	a,b,f
37.9-62.1	v = 7.04 x 10^{-8} exp(65982.7839/RT)	330-380		7	a,b,f
43.9-56.1	v = 3.272 x 10^{-7} exp(61463.9883/RT)	350-380		7	a,b,f
50.0-50.0	v = 1.842 x 10^{-7} exp(63974.4303/RT)	350-380		7	a,b,f
	Cu_2S				
100	v = 0.3062 exp(32361.27101/RT)	1473-1773	n.a.	7	a,f
	Cu_2S-FeS				
0-100	v = 0.3327 exp(29434.09564/RT)	1473-1773	(111)	7	a,f
5.80-94.20	v = 0.316 exp(27565.90838/RT)	1473-1773		7	a,f
12.16-87.84	v = 0.5514 exp(18994.00417/RT)	1473-1773		7	a,f
19.19-80.81	v = 0.4937 exp(19867.21958/RT)	1473-1773		7	a,f
26.87-73.13	v = 0.6017 exp(16154.27586/RT)	1473-1773		7	a,f
35.56-64.44	v = 0.5094 exp(18193.59158/RT)	1473-1773		7	a,f
45.31-54.69	v = 0.4383 exp(20826.20843/RT)	1473-1773		7	a,f
56.34-43.66	v = 0.448 exp(21301.10037/RT)	1473-1773		7	a,f
68.81-31.19	v = 0.3226 exp(26898.96762/RT)	1473-1773		7	a,f
83.24-16.77	v = 0.3141 exp(29353.34309/RT)	1473-1773		7	a,f
100-0	v = 0.3062 exp(32361.27101/RT)	1473-1773	(112)	7	a,f
	Cu_2S-Ni_3S_2				
0-100	v = 0.3704 exp(28444.14467/RT)	1473-1773	(113)	7	a,f
14.38-85.62	v = 0.1085 exp(44033.57109/RT)	1473-1773		7	a,f
27.45-72.55	v = 0.283 exp(28071.76244/RT)	1473-1773		7	a,f
39.37-60.63	v = 0.6017 exp(16154.27586/RT)	1473-1773		7	a,f
50.10-49.90	v = 0.7149 exp(13198.64882/RT)	1473-1773		7	a,f
60.15-39.85	v = 0.6351 exp(15761.8101/RT)	1473-1773		7	a,f
69.43-30.57	v = 0.6357 exp(16524.56606/RT)	1473-1773		7	a,f
77.88-22.12	v = 0.6701 exp(16840.46334/RT)	1473-1773		7	a,f
85.84-14.16	v = 0.6239 exp(19235.42501/RT)	1473-1773		7	a,f
93.09-6.91	v = 0.594 exp(21187.71207/RT)	1473-1773		7	a,f
100-0	v = 0.3102 exp(32112.31884/RT)	1473-1773	(114)	7	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m⁻²) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
40-60	v = 0.078287 exp(21666.78809/RT)	743-791		2	a,f
For additional KBr systems, see : AgBr- ; $AlBr_3$- ; $CdCl_2$- ; $HgBr_2$-					
	KCl				
100	v = 0.06166 exp(25047.2656/RT)	1111-1162	±1%	19	d
	$KCl-KOH-K_2CO_3$				
8.9-89.0-2.1	v = 0.00162395 exp(39662.89157/RT)	680-860		5	a,f
	$KCl-KPO_3$				
0-100	(T=1173 K, v=220)		(128)	5	a
20-80	(T=1173 K, v=185)			5	a
40-60	(T=1173 K, v=65)			5	a
60-40	(T=1173 K, v=15)			5	a
	$KCl-K_2ZrF_6$				
0-100	v = 0.3708 exp(18653.83928/RT)	1073-1253	(129)	5	a,f
10-90	v = 0.160011 exp(26159.22405/RT)	1073-1173		5	a,f
20-80	v = 0.11719 exp(28617.78358/RT)	1073-1173		5	a,f
30-70	v = 0.0890006 exp(30897.26492/RT)	1073-1173		5	a,f
40-60	v = 0.0757815 exp(31922.36207/RT)	1073-1173		5	a,f
50-50	v = 0.0469728 exp(35798.90292/RT)	1073-1173		5	a,f
60-40	v = 0.0442247 exp(35400.99786/RT)	1073-1173		5	a,f
70-30	v = 0.0420941 exp(34723.17852/RT)	1073-1173		5	a,f
80-20	v = 0.0550113 exp(31252.49246/RT)	1073-1173		5	a,b,f
90-10	v = 0.0179522 exp(39977.95204/RT)	1073-1173		5	a,f
100-0	v = 0.026633 exp(34556.23413/RT)	1073-1173	(130)	5	a,f
	KCl-LiCl				
0-100	v = 0.06578 exp(23787.69317/RT)	900-1070	(131)	4	a,f
20-80	v = 0.08893 exp(20836.6686/RT)	910-1070		4	a
40-60	v = 0.08703 exp(20852.56807/RT)	890-1070		4	a,f
50-50	v = 0.0786 exp(21962.18343/RT)	930-1070		4	a
60-40	v = 0.07793 exp(22330.38159/RT)	920-1070		4	a
70-30	v = 0.09019 exp(21326.20479/RT)	920-1080		4	a
80-20	v = 0.07037 exp(23878.48749/RT)	970-1080		4	a
100-0	v = 0.05727 exp(26273.44916/RT)	1090-1150	(132)	4	a,f
	$KCl-MgCl_2$				
0-100	v = 0.13173 exp(23451.71235/RT)	1010-1140	(133)	4	a
46.0-54.0	v = 0.17399 exp(16840.88175/RT)	970-1060		4	a
50.1-49.9	v = 0.1675 exp(17027.90968/RT)	980-1150		4	a,f
56.1-43.9	v = 0.07757 exp(22882.67883/RT)	900-1050		4	a
65.7-34.3	v = 0.1323 exp(18526.22515/RT)	910-1090		4	a,f
67.6-32.4	v = 0.1408 exp(18801.11855/RT)	900-1030		4	a,f
74.9-25.1	v = 0.11894 exp(18861.78756/RT)	900-1080		4	a
83.6-16.4	v = 0.1158 exp(19295.25721/RT)	960-1110		4	a,f
92.0-8.0	v = 0.169162 exp(16040.46916/RT)	1030-1180		4	a,f
100-0	v = 0.05315 exp(27288.50454/RT)	1070-1180	(134)	4	a
	KCl-NaCl				
0-100	v = 0.01821 exp(39083.39787/RT)	1100-1170	(135)	4	a
15.23-84.77	v = 0.02448 exp(35902.24945/RT)	1040-1170		4	a,f
27.10-72.90	v = 0.02231 exp(36397.22493/RT)	1000-1170		4	a
34.85-65.15	v = 0.02351 exp(35487.18971/RT)	1000-1170		4	a,f
48.77-51.23	v = 0.028 exp(33500.59327/RT)	1000-1170		4	a,f
59.00-41.00	v = 0.03209 exp(32013.9932/RT)	1000-1170		4	a,f
79.25-20.75	v = 0.03388 exp(31116.51018/RT)	1020-1170		4	a,f
100-0	v = 0.04529 exp(28475.94361/RT)	1060-1170	(136)	4	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$KCl-NH_4NO_3$				
5.4-94.6	v = 0.118813 exp(13805.75737/RT)	430-450		5	a,f
10.7-89.3	v = 0.0921884 exp(15285.66293/RT)	420-450		5	a,f
14.9-85.1	v = 0.199789 exp(12912.87683/RT)	430-450		5	a,f
	$KCl-PbBr_2$				
0-100	v = 0.31191 exp(16294.86062/RT)	668-791	(137)	2	a
10-90	v = 0.132216 exp(20745.45587/RT)	668-791		2	a
20-80	v = 0.119419 exp(20878.09089/RT)	668-791		2	a
30-70	v = 0.173649 exp(18620.36672/RT)	668-791		2	a
40-60	v = 0.199893 exp(17770.5821/RT)	703-791		2	a
50-50	v = 0.24794 exp(16410.75935/RT)	753-791		2	a
	$KCl-PbCl_2$				
0.0-100.0	v = 0.04915 exp(29284.30593/RT)	800-970	(138)	4	a,f
17.1-82.9	v = 0.04884 exp(28383.89407/RT)	880-970		4	a,f
26.6-73.4	v = 0.05424 exp(27137.87802/RT)	880-970		4	a
33.6-66.4	v = 0.05837 exp(26267.59146/RT)	880-970		4	a
45.7-54.3	v = 0.04929 exp(27116.95767/RT)	880-970		4	a
48.1-51.9	v = 0.05018 exp(27051.68618/RT)	880-970		4	a,f
50.3-49.7	v = 0.05321 exp(26514.45159/RT)	880-970		4	a
51.1-48.9	v = 0.05305 exp(26720.72624/RT)	880-970		4	a,f
56.5-43.5	v = 0.05099 exp(26920.30638/RT)	880-970		4	b,f
66.6-33.4	v = 0.0598 exp(25965.92001/RT)	880-970		4	a,f
74.1-25.9	v = 0.04191 exp(28916.10777/RT)	930-970		4	a
	KCl-RbCl				
0-100	v = 0.072 exp(24602.3316/RT)	1013-1113	(139)	20	k
25-75	v = 0.078 exp(23556.3141/RT)	1048-1113		20	k
50-50	v = 0.077 exp(23656.73178/RT)	1043-1133		20	k
75-25	v = 0.069 exp(24539.57055/RT)	1048-1118		20	k
100-0	v = 0.054 exp(26878.46568/RT)	1053-1203	(140)	20	k
	$KCl-ScCl_3$				
0-1.91 KCl	v = 1.7202 + 1.286 C + 0.49493 C^2 - 0.023973 C^3 + 1.5614 x 10^{-4} C^4	373	(141)	4	a,n
	$KCl-ZnCl_2$				
6.2-93.8	v = 3.783 x 10^{-4} exp(67979.0037/RT)	588-775		21,22	k
14.1-85.9	v = 0.001072 exp(56637.66356/RT)	574-739		21,22	k
20.0-80.0	v = 0.002558 exp(48379.14619/RT)	565-674		21,22	k
21.1-78.9	v = 0.002066 exp(49127.67631/RT)	567-674		21,22	k
26.6-73.4	v = 0.002451 exp(45860.75446/RT)	546-608		21,22	k
31.1-68.9	v = 0.002465 exp(43861.1874/RT)	526-629		21,22	k
43.4-56.6	v = 0.003531 exp(40260.79517/RT)	530-578		21,22	k
51.9-48.1	v = 0.03849 exp(27463.39867/RT)	615-747		21,22	k
60.5-39.5	v = 0.06994 exp(24206.51858/RT)	773-888		21,22	k
70.4-29.5	v = 0.03306 exp(25529.10311/RT)	777-956		21,22	k
75.3-24.7	v = 0.04744 exp(28506.06891/RT)	1012-1166		21,22	k
85.5-14.5	v = 0.09889 exp(21062.18997/RT)	1016-1166		21,22	k
100.0-0.0	v = 0.06985 exp(25282.24298/RT)	1064-1188	(142)	21,22	k
For additional KCl systems, see : AgCl- ; $AlBr_3$- ; $AlCl_3$- ; $CdBr_2$- ; $CdCl_2$- ; $CeCl_3$- ; CsCl- ; KBr-					
	$KCl*NaCl-LaCl_3$				
84.7-15.5	v = 0.14521 exp(21731.64117/RT)	973-1123		17	k
93.7-6.3	v = 0.13875 exp(20018.26451/RT)	973-1123		17	k
97.0-3.0	v = 0.18463 exp(16708.24673/RT)	973-1123	(143)	17	k,z

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$KCl*NaCl-NdCl_3$				
85.0-15.0	v = 0.14938 exp(20245.0411/RT)	973-1123		17	k
93.8-6.2	v = 0.13305 exp(20440.85558/RT)	973-1123		17	k
97.1-2.9	v = 0.11925 exp(20995.24485/RT)	973-1123	(144)	17	k,z
	$KCl*NaCl-PrCl_3$				
84.8-15.2	v = 0.07769 exp(25217.8083/RT)	973-1123		17	k
93.7-6.3	v = 0.10139 exp(22500.25483/RT)	973-1123		17	k
97.1-2.9	v = 0.14297 exp(19069.73584/RT)	973-1123	(145)	17	z,k
	$KCl*NaCl-SmCl_3$				
85.3-14.7	v = 0.1096 exp(24012.79614/RT)	973-1123		17	k
93.9-6.1	v = 0.08106 exp(24274.71892/RT)	973-1123		17	k
97.2-2.8	v = 0.16257 exp(16642.55683/RT)	973-1123	(146)	17	z,k
For additional KCl*NaCl systems, see : $CeCl_3$-					
	$KClO_4-KNO_3$				
0-100	v = 0.07088 exp(18893.58649/RT)	610-700	(147)	5	a
5-95	v = 0.07079 exp(18939.61126/RT)	630-690		5	a
15-85	v = 0.07263 exp(19034.17124/RT)	650-710		5	a
30-70	v = 0.07096 exp(19277.26571/RT)	690-720		5	a
	$KClO_4-LiNO_3$				
0-100	v = 0.0807 exp(18861.78756/RT)	530-700	(148)	5	a
14-86	v = 0.08076 exp(18999.86187/RT)	520-680		5	a
25-75	v = 0.07949 exp(19250.90607/RT)	560-700		5	a
45-55	v = 0.07425 exp(19874.3325/RT)	600-700		5	a
60-40	v = 0.07318 exp(20104.45635/RT)	660-700		5	a
	$KClO_4-NaNO_3$				
0-100	v = 0.09139 exp(16891.09059/RT)	580-720	(149)	5	a
10-90	v = 0.09615 exp(17037.53304/RT)	580-700		5	a
22-78	v = 0.09095 exp(17723.72052/RT)	540-700		5	a
40-60	v = 0.08346 exp(18627.47964/RT)	540-700		5	a
50-50	v = 0.07757 exp(19225.80165/RT)	600-700		5	a
	KF				
100	v = 0.1068 exp(23778.99031/RT)	1141-1328	±1.5%	23	d
	$KF-KPO_3$				
20-80	(T=1173 K, v=200)			5	a
	$KF-K_2ZrF_6$				
100-0 K_2ZrF_6	v = 1.5659 + 0.01419 C - 7.214 x 10^{-5} C^2	1253	(150)	5	a
	$KF-ZrF_4$				
0.0-33.3 ZrF_4	v = 1.596 - 0.003585 C + 0.001687 C^2 - 2.914 x 10^{-5} C^3	1253	(151)	11	a,n
For additional KF systems, see : BeF_2-					
	KI				
100	v = 0.1023 exp(20521.2734/RT)	965-1193	±1.5%	18	d
	KNO_2				
100	v = 0.1645 exp(14326.25568/RT)	686-725	±1.5%	1	a,f
	KNO_2-NaNO_2				
0-100	v = 0.04561 exp(19916.1732/RT)	570-610	(152)	6	a,f
10-90	v = 0.05016 exp(19504.04231/RT)	580-630		6	a,f
20-80	v = 0.06475 exp(18307.81669/RT)	580-650		6	a,f
30-70	v = 0.06095 exp(18660.9522/RT)	580-670		6	a
40-60	v = 0.06768 exp(18192.33636/RT)	580-690		6	a
50-50	v = 0.07052 exp(18054.26205/RT)	580-710		6	a
60-40	v = 0.08506 exp(17158.87107/RT)	580-710		6	a
70-30	v = 0.09819 exp(16506.15615/RT)	620-710		6	a
80-20	v = 0.1093 exp(16018.712/RT)	650-710		6	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur	Ref.	Comment
90-10	v = 0.133 exp(15102.81907/RT)	700-730		6	a,f
100-0	v = 0.1131 exp(16225.82346/RT)	720-740	(153)	6	a,f
For additional KNO_2 systems, see : $Ba(NO_2)_2$-					
	KNO_3				
100	v = 0.07737 exp(18468.48498/RT)	615-760	±2%	5	d
	KNO_3-$LiClO_4$				
0-100	v = 0.09436 exp(19522.87062/RT)	540-700	(154)	5	a
16-84	v = 0.08119 exp(20213.24217/RT)	500-700		5	a
30-70	v = 0.08096 exp(19623.2883/RT)	580-700		5	a
50-50	v = 0.07456 exp(19874.3325/RT)	680-720		5	a
70-30	v = 0.07664 exp(19455.9255/RT)	660-700		5	a
85-15	v = 0.07643 exp(19121.1999/RT)	680-720		5	a
100-0	v = 0.07088 exp(18895.26012/RT)	610-700	(155)	5	a
	KNO_3-$LiNO_3$				
0-100	v = 0.08363 exp(18690.24069/RT)	550-690	(156)	6	a,f
20-80	v = 0.08554 exp(17882.71518/RT)	550-690		6	a,f
40-60	v = 0.06555 exp(18924.54861/RT)	530-690		6	a,f
60-40	v = 0.09038 exp(16991.50827/RT)	530-690		6	a,f
80-20	v = 0.09139 exp(17075.18967/RT)	550-690		6	a
100-0	v = 0.07375 exp(18665.13627/RT)	630-690	(157)	6	a
	KNO_3-$NaClO_4$				
36-64	v = 0.07918 exp(19447.55736/RT)	680-710		5	a
50-50	v = 0.07667 exp(19305.29898/RT)	680-710		5	a
70-30	v = 0.07574 exp(19050.07071/RT)	640-710		5	a
86-14	v = 0.07391 exp(18857.60349/RT)	600-700		5	a
100-0	v = 0.07088 exp(18895.26012/RT)	610-700	(158)	5	a
	KNO_3-$NaNO_3$				
0-100	v = 0.1027 exp(16313.68893/RT)	600-740	(159)	6	a,f
25-75	v = 0.098204 exp(16284.40044/RT)	570-720		6	a,f
50-50	v = 0.074755 exp(17878.53111/RT)	520-720		6	a,f
75-25	v = 0.0871 exp(17326.23387/RT)	570-720		6	a
100-0	v = 0.07375 exp(18665.13627/RT)	630-690	(160)	6	b,f
	KNO_3-$RbNO_3$				
0-100	v = 0.13076 exp(16594.02162/RT)	600-740	(161)	6	a
25-75	v = 0.1172 exp(15824.14547/RT)	600-740		6	a,f
50-50	v = 0.09477 exp(17727.90459/RT)	580-740		6	a
75-25	v = 0.07819 exp(18556.35045/RT)	600-740		6	a
100-0	v = 0.07375 exp(18665.13627/RT)	630-690	(162)	6	a
	KNO_3-$Sr(NO_3)_2$				
77-23	v = 0.09363 exp(19614.50175/RT)	633-693		14	k
82-18	v = 0.08515 exp(19546.30141/RT)	593-693		14	k
86-14	v = 0.08821 exp(19067.6438/RT)	573-693		14	k
89-11	v = 0.08561 exp(18849.65376/RT)	573-693		14	k
95-5	v = 0.1018 exp(17385.64766/RT)	573-693		14	k
100-0	v = 0.1 exp(17047.1564/RT)	613-693	(163)	14	k
For additional KNO_3 systems, see : $AgNO_3$- ; $Ba(NO_3)_2$- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$- ; $CsNO_3$- ; $KClO_4$-					
	KOH				
100	v = 0.02295 exp(25845.00039/RT)	673-873	±1.5%	1	a,f
	KOH-K_2CO_3				
93.2-6.8	v = 0.0250167 exp(25246.25997/RT)	680-860		5	a,f
98.0-2.0	v = 0.0337208 exp(23236.65115/RT)	680-860		5	a,f
100-0	v = 0.02295 exp(25845.00039/RT)	673-873	(164)	5	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})				
	$KOH-K_2CO_3-K_2SiO_3$				
96.8-2.0-1.1	v = 0.0359149 exp(22914.05936/RT)	730-870		5	a,f
For additional KOH systems, see : CaO- ; KCl-					
	KPO_3				
100	v = 7.198 x 10^{-4} exp(1.2001251662 x 10^5/RT)	1123-1173	n.a.	5	d,f
	KPO_3-NiO				
80-20	v = 0.3773 exp(64564.38417/RT)	1123-1173		5	a,f
85-15	v = 0.3905 exp(66047.63699/RT)	1123-1173		5	a,f
90-10	v = 1.24 exp(56792.05574/RT)	1123-1173		5	a,f
95-5	v = 0.319 exp(69025.4396/RT)	1123-1173		5	a,f
100-0	v = 7.198 x 10^{-4} exp(1.2001251662 x 10^5/RT)	1123-1173	(165)	5	a,f
For additional KPO_3 systems, see : KBO_2- ; KCl- ; KF-					
	KSCN				
100	v = 0.00858 exp(27003.98778/RT)	448-523	±1.5%	1	
	$KVO_3-V_2O_5$				
0.0-100.0	(T=1111 K, v=26)		(166)	5	a
0.0-100.0	(T=1111 K, v=30)		(167)	5	a
9.4-90.6	v = 2.36376 exp(23299.83061/RT)	910-1000		5	a,f
18.0-82.0	v = 2.75792 exp(23083.9326/RT)	910-1250		5	a,f
50.0-50.0	v = 2.05824 exp(26968.42319/RT)	910-1250		5	a,f
	$K_2B_4O_7$-NiO				
96-4	v = 0.0326 exp(51024.73365/RT)	1123-1173		5	a,f
97-3	v = 0.01257 exp(58764.42634/RT)	1123-1173		5	a,f
98-2	v = 0.006052 exp(64260.62069/RT)	1123-1173		5	a,f
99-1	v = 0.002249 exp(71960.1463/RT)	1123-1173		5	a,f
For additional $K_2B_4O_7$ systems, see : B_2O_3-					
	K_2CO_3				
100	v = 0.18751 exp(27037.87875/RT)	1186-1234	±3%,(168)	24	d
	$K_2CO_3-Li_2CO_3$				
0-100	v = 0.22196 exp(28787.65682/RT)	1023-1173	(169)	7	a,f
5-95	v = 0.20308 exp(29167.57038/RT)	1023-1173		7	a,f
10-90	v = 0.14502 exp(31389.31155/RT)	1023-1173		7	a,f
15-85	v = 0.14066 exp(31201.0284/RT)	973-1173		7	a,f
20-80	v = 0.12576 exp(31729.05803/RT)	973-1173		7	a,f
25-75	v = 0.11169 exp(32437.00268/RT)	973-1173		7	a,f
30-70	v = 0.10688 exp(32538.67558/RT)	973-1173		7	a,f
40-60	v = 0.091341 exp(33414.40143/RT)	973-1173		7	a,f
50-50	v = 0.084873 exp(33631.55466/RT)	973-1173		7	a,f
60-40	v = 0.088309 exp(33045.78486/RT)	973-1173		7	a,f
70-30	v = 0.10234 exp(31651.65274/RT)	973-1173		7	a,f
80-20	v = 0.12115 exp(30284.71707/RT)	1023-1173		7	a,f
90-10	v = 0.21769 exp(24932.87313/RT)	1123-1173		7	a,f
	$K_2CO_3-Li_2CO_3-Na_2CO_3$				
25.0-43.5-31.5	v = 0.10121 exp(33395.15471/RT)	773-1140		25	d
	$K_2CO_3-Na_2CO_3$				
20-80	v = 0.16522 exp(29465.05775/RT)	1023-1173	(170)	7	a,f
30-70	v = 0.173835 exp(28951.25396/RT)	1020-1180		7	a,f
40-60	v = 0.188624 exp(28097.70368/RT)	1020-1180		7	a,f
50-50	v = 0.195419 exp(27547.49847/RT)	1020-1180		7	a,f
60-40	v = 0.208181 exp(26761.73013/RT)	1020-1180		7	a,f
70-30	v = 0.203253 exp(26763.40376/RT)	1020-1180	(171)	7	a,f

For additional K_2CO_3 systems, see : CaO-KOH- ; KCl-KOH- ; KOH-

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$K_2Cr_2O_7$				
100	$v = 0.08051 \exp(28782.21753/RT)$	670-780	±1.5%	1	a,f
	K_2MoO_4				
100	$v = 0.289523 \exp(21360.09576/RT)$	1215-1285	±10%	7	a,f
	K_2TiF_6				
100	$v = 1.891 \times 10^{-5} \exp(1.1642593182 \times 10^{5}/RT)$	1116-1249	±15%	5	a
	K_2TiF_6-NaCl				
27-73	$v = 0.127372 \exp(25550.02346/RT)$	850-1170		5	a,f
49-51	$v = 0.0746756 \exp(32134.91282/RT)$	940-1170		5	a,f
69-31	$v = 0.091482 \exp(33578.41697/RT)$	940-1170		5	a,f
100-0	$v = 1.891 \times 10^{-5} \exp(1.1642593182 \times 10^{5}/RT)$	1116-1249	(172)	5	a,f
	K_2WO_4				
100	$v = 0.07666 \exp(36065.42818/RT)$	1235-1255	±10%	7	a,f
	K_2ZrF_6				
100	$v = 0.3708 \exp(18653.83928/RT)$	1073-1253	±10%	5	a,f
	K_2ZrF_6-NaCl				
0-100	$v = 0.01834 \exp(39786.32163/RT)$	1073-1173	(173)	5	a,f
10-90	$v = 0.103799 \exp(25446.25852/RT)$	1073-1173		5	a,f
20-80	$v = 0.126935 \exp(25156.30247/RT)$	1073-1173		5	a,f
30-70	$v = 0.115999 \exp(26831.6041/RT)$	1073-1173		5	a,f
40-60	$v = 0.149542 \exp(25415.71481/RT)$	1073-1173		5	a,f
50-50	$v = 0.0921453 \exp(30156.68453/RT)$	1073-1173		5	a,f
60-40	$v = 0.0902533 \exp(30819.02281/RT)$	1073-1173		5	a,f
70-30	$v = 0.120674 \exp(28473.85157/RT)$	1073-1173		5	a,f
80-20	$v = 0.120613 \exp(28690.5864/RT)$	1073-1173		5	a,f
90-10	$v = 0.204751 \exp(24113.63222/RT)$	1073-1173		5	a,f
100-0	$v = 0.3708 \exp(18653.83928/RT)$	1073-1253	(174)	5	a,f
	K_2ZrF_6-$Na_2B_4O_7$				
0-100	$v = 1.27 \times 10^{-5} \exp(1.6534607826 \times 10^{5}/RT)$	1050-1220	(175)	5	a
1.3-98.7	$v = 7.16 \times 10^{-6} \exp(1.7370166605 \times 10^{5}/RT)$	1050-1220		5	a
2.4-97.6	$v = 5.43 \times 10^{-6} \exp(1.7756774673 \times 10^{5}/RT)$	1050-1220		5	a
3.2-96.8	$v = 4.9892 \times 10^{-4} \exp(1.3325426136 \times 10^{5}/RT)$	1050-1220		5	a
4.5-95.5	$v = 1.168 \times 10^{-5} \exp(1.7101549311 \times 10^{5}/RT)$	1050-1220		5	a
5.8-94.2	$v = 1.537 \times 10^{-5} \exp(1.6745903361 \times 10^{5}/RT)$	1050-1220		5	a
8.5-91.5	$v = 9.402 \times 10^{-5} \exp(1.4931690609 \times 10^{5}/RT)$	1050-1220		5	a
12.9-87.1	$v = 3.0055 \times 10^{-4} \exp(1.3802828523 \times 10^{5}/RT)$	1050-1220		5	a
For additional K_2ZrF_6 systems, see : KCl- ; KF-					
	$LaCl_2$-$LaCl_3$				
0-100	$v = 0.02061 \exp(54597.92943/RT)$	1190-1260	(176)	4	a
86-14	$v = 0.00733 \exp(57765.27042/RT)$	1150-1260		4	a
	$LaCl_3$				
100	$v = 0.02061 \exp(54597.92943/RT)$	1183-1276	±4%	1	f
	$LaCl_3$-LiCl				
24.2-75.8	$v = 0.06887 \exp(30263.37831/RT)$	1060-1180		4	a
49.3-50.7	$v = 0.06486 \exp(35221.50126/RT)$	1060-1180		4	a
75.0-25.0	$v = 0.04046 \exp(43819.76511/RT)$	1070-1180		4	a
100.00-0.00	$v = 0.00984 \exp(61851.01478/RT)$	1150-1240	(177)	4	a
For additional $LaCl_3$ systems, see : CsCl- ; KCl*NaCl- ; $LaCl_2$-					
	LiBr				
100	$v = 0.1403 \exp(17246.23445/RT)$	823-1082	±1.5%	18	d
	LiCl				
100	$v = 0.10852 \exp(19111.36734/RT)$	894-1113	±1%	19	d

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	LiCl-Li_2CO_3				
30-70	v = 0.0757508 exp(34256.65472/RT)	1000-1020		5	a,f
50-50	v = 0.105124 exp(28716.94604/RT)	892-1020		5	a,f
60-40	v = 0.107794 exp(26998.9669/RT)	880-1020		5	a,f
70-30	v = 0.0820991 exp(27260.47127/RT)	825-999		5	a,f
80-20	v = 0.0982459 exp(24086.01736/RT)	840-1020		5	a,f
85-15	v = 0.0910034 exp(23301.08583/RT)	850-1022		5	a,f
90-10	v = 0.114371 exp(20645.4566/RT)	880-1020		5	a,f
	LiCl-$MgCl_2$				
0-100	v = 0.1645 exp(21555.49183/RT)	1010-1140	(178)	4	b,f
28.4-71.6	v = 0.111 exp(22762.59602/RT)	940-1010		4	a,f
49.1-50.9	v = 0.0883 exp(23262.17398/RT)	960-1010		4	a,f
60.0-40.0	v = 0.1295 exp(19736.25819/RT)	930-1030		4	a,f
69.2-30.8	v = 0.2355 exp(14485.66875/RT)	940-1010		4	a,f
77.1-22.9	v = 0.1081 exp(20752.9872/RT)	940-1020		4	a,f
80.7-19.3	v = 0.08025 exp(22683.5171/RT)	940-1020		4	a,f
84.0-16.0	v = 0.09686 exp(21132.48235/RT)	940-1020		4	a,f
90.0-10.0	v = 0.118 exp(19333.33225/RT)	960-1030		4	a,f
92.7-7.3	v = 0.1139 exp(19393.58286/RT)	920-1010		4	a,f
95.3-4.7	v = 0.1692 exp(16057.20544/RT)	930-1000		4	a,f
100-0	v = 0.08139 exp(22363.01734/RT)	920-1020	(179)	4	a,f
	LiCl-RbCl				
0-100	v = 0.072 exp(24602.3316/RT)	1013-1113	(180)	20	k
25-75	v = 0.058 exp(25472.61816/RT)	878-1078		20	k
50-50	v = 0.062 exp(24229.94937/RT)	883-1088		20	k
75-25	v = 0.084 exp(21171.3942/RT)	893-1083		20	k
100-0	v = 0.05 exp(25941.234/RT)	893-1083	(181)	20	k
	LiCl-$ZnCl_2$				
0-100	v = 2.6912 x 10^{-7} exp(1.1474058842 x 10^{5}/RT)	591-628	(182)	21,22	k
0-100	v = 5.30191 x 10^{-6} exp(99099.27954/RT)	628-722		21,22	k
0-100	v = 2.8899 x 10^{-4} exp(75136.27384/RT)	722-853		21,22	k
10.9-89.1	v = 4.248 x 10^{-4} exp(65879.01896/RT)	577-756		21,22	k
22.4-77.6	v = 7.24 x 10^{-4} exp(57798.74298/RT)	566-696		21,22	k
32.3-67.7	v = 0.001164 exp(51366.15376/RT)	557-646		21,22	k
43.0-57.0	v = 0.004129 exp(41895.51132/RT)	574-618		21,22	k
47.7-52.3	v = 0.07933 exp(24385.69677/RT)	633-887		21,22	k
56.3-43.7	v = 0.06367 exp(25812.36464/RT)	694-938		21,22	k
65.5-34.5	v = 0.08751 exp(22255.06833/RT)	860-949		21,22	k
83.2-16.8	v = 0.1138 exp(19815.75552/RT)	867-1019		21,22	k
100.0-0.0	v = 0.118 exp(18889.40242/RT)	909-1088	(183)	21,22	k
For additional LiCl systems, see : $AlCl_3$- ; $BaCl_2$- ; CsCl- ; KCl- ; $LaCl_3$-					
	$LiClO_3$				
100	v = 0.001979 exp(32690.13891/RT)	404-440	±2%	1	a,f
	$LiClO_3$-$LiNO_3$				
74-26	v = 0.00162 exp(35142.00393/RT)	400-450		5	a
79.4-20.6	v = 0.001848 exp(34535.31378/RT)	400-450		5	a
86.9-13.1	v = 0.001444 exp(35154.55614/RT)	400-450		5	a
91.8-8.2	v = 0.001201 exp(35489.28174/RT)	400-450		5	a
97-3	v = 0.001811 exp(33489.29628/RT)	400-450		5	a
100-0	v = 0.001979 exp(32690.13891/RT)	400-450	(184)	5	a
	$LiClO_4$				
100	v = 0.09436 exp(19522.87062/RT)	540-700	±2%	7	a
	$LiClO_4$-$LiNO_3$				
0-100	v = 0.08072 exp(18860.95075/RT)	550-690	(185)	5	a
10-90	v = 0.07891 exp(19060.53089/RT)	550-700		5	a

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
30-70	v = 0.07617 exp(19465.96727/RT)	510-700		5	a
55-45	v = 0.08188 exp(19453.41506/RT)	470-690		5	a
70-30	v = 0.08138 exp(19676.8444/RT)	490-690		5	a
90-10	v = 0.09068 exp(19446.30214/RT)	510-690		5	a
100-0	v = 0.09436 exp(19522.87062/RT)	540-700	(186)	5	a
	$LiClO_4$-$NaNO_3$				
0-100	v = 0.09139 exp(16891.09059/RT)	580-720	(187)	5	a
10-90	v = 0.09091 exp(17405.7312/RT)	580-700		5	a
28-72	v = 0.09824 exp(17594.01435/RT)	500-700		5	a
60-40	v = 0.1016 exp(18075.1824/RT)	540-700		5	a
78-22	v = 0.1021 exp(18284.3859/RT)	500-680		5	a
90-10	v = 0.09817 exp(18786.4743/RT)	520-680		5	a
100-0	v = 0.09436 exp(19522.87062/RT)	540-700	(188)	5	a
For additional $LiClO_4$ systems, see : KNO_3-					
	LiF				
100	v = 0.18359 exp(21832.01701/RT)	1125-1317	±1.5%	23	d
	LiF-$LiPO_3$				
80-20	(T=1173 K, v=150)			5	a
	LiF-NaF				
60-40	v = 0.1164 exp(26811.10215/RT)	973-1073	(189)	11	a,f
	LiF-Na_3AlF_6				
53.9-46.1	v = 0.00184461 exp(69041.33907/RT)	1180-1320		5	a,f
75.7-24.3	v = 0.00110691 exp(72254.70483/RT)	1180-1320		5	a,f
87.5-12.5	v = 0.00254473 exp(64363.54881/RT)	1180-1320		5	a,f
94.9-5.1	v = 0.0148957 exp(47660.74137/RT)	1180-1320		5	a,f
100-0	v = 0.130978 exp(26839.97224/RT)	1180-1320	(190)	5	a,f
	LiF-RbF				
43-57	v = 0.02241 exp(38518.54842/RT)	773-923	(191)	11	a,f
	LiF-UF_4				
53-47	v = 0.07901 exp(43023.53659/RT)	973-1073	(192)	11	a,f
65-35	v = 0.1696 exp(36424.83979/RT)	873-1073		11	a,f
80-20	v = 0.04408 exp(42879.18617/RT)	873-1073		11	a,f
88-12	(T=1073.2 K, v=6.04)			11	a
For additional LiF systems, see : AlF_3- ; BeF_2-					
	LiI				
100	v = 0.1265 exp(17386.23343/RT)	742-1028	±1.5%	18	d
	$LiNO_2$				
100	v = 0.002971 exp(34342.84656/RT)	502-527	±2%	1	
	$LiNO_3$				
100	v = 0.0823731 exp(18575.17877/RT)	540-650	±2%	5	a,f
	$LiNO_3$-$NaClO_4$				
30-70	v = 0.1116 exp(17573.094/RT)	660-680		5	a
45-55	v = 0.1034 exp(17870.16297/RT)	540-680		5	a
67-33	v = 0.09914 exp(18368.0673/RT)	500-680		5	a
90-10	v = 0.0876 exp(18451.7487/RT)	540-680		5	a
100-0	v = 0.0807 exp(18861.78756/RT)	540-680	(193)	5	a
	$LiNO_3$-$NaNO_3$				
0-100	v = 0.091906 exp(16899.45873/RT)	600-700	(194)	6	a,f
20-80	v = 0.09359 exp(16861.8021/RT)	580-690		6	a,f
40-60	v = 0.1133 exp(15978.96333/RT)	530-690		6	a,f
60-40	v = 0.1025 exp(16824.14547/RT)	530-690		6	a,f
80-20	v = 0.09815 exp(17422.46748/RT)	530-690		6	a
100-0	v = 0.08363 exp(18690.24069/RT)	550-690	(195)	6	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$LiNO_3$-$RbNO_3$				
0-100	v = 0.13076 exp(16594.02162/RT)	600-690	(196)	6	a
10-90	v = 0.1004 exp(17621.62921/RT)	550-690		6	a,f
20-80	v = 0.08825 exp(18020.78949/RT)	530-690		6	a,f
25-75	v = 0.08311 exp(18163.04787/RT)	500-690		6	a,f
35-65	v = 0.09271 exp(17440.45898/RT)	500-690		6	a,f
45-55	v = 0.09584 exp(17087.74188/RT)	500-690		6	a,f
50-50	v = 0.09076 exp(17393.17899/RT)	500-690		6	a,f
55-45	v = 0.07887 exp(18163.04787/RT)	500-690		6	a,f
65-35	v = 0.08028 exp(18154.67973/RT)	530-690		6	a,f
80-20	v = 0.09377 exp(17542.13188/RT)	550-690		6	a,f
100-0	v = 0.08363 exp(18690.24069/RT)	550-690	(197)	6	a,f
For additional $LiNO_3$ systems, see : $AgNO_3$- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$-KNO_3- ; $Cd(NO_3)_2$- ; $CsNO_3$- ; $KClO_4$- ; KNO_3- ; $LiClO_3$- ; $LiClO_4$-					
	$LiPO_3$				
For $LiPO_3$ systems, see : LiF-					
	Li_2CO_3				
100	v = 0.0866 exp(36862.49351/RT)	1019-1197	±3%,(198)	24	d
	Li_2CO_3-Na_2CO_3				
10-90	v = 0.20167 exp(27579.71581/RT)	973-1180	(199)	7	a,f
20-80	v = 0.15131 exp(30013.17092/RT)	943-1180		7	a,f
30-70	v = 0.13848 exp(30785.13184/RT)	970-1180		7	a,f
40-60	v = 0.13743 exp(31015.6741/RT)	970-1180		7	a,f
50-50	v = 0.13196 exp(31562.53205/RT)	970-1180		7	a,f
60-40	v = 0.12768 exp(32003.11462/RT)	970-1180		7	a,f
70-30	v = 0.13047 exp(31942.86401/RT)	970-1180		7	a,f
80-20	v = 0.1362 exp(31732.82369/RT)	1043-1180		7	a,f
90-10	v = 0.1591 exp(30775.92689/RT)	1113-1180		7	a,f
100-0	v = 0.21837 exp(28698.95454/RT)	1010-1180	(200)	7	a,f
For additional Li_2CO_3 systems, see : B_2O_3- ; K_2CO_3- ; LiCl-					
	Li_2MoO_4				
100	v = 0.219888 exp(29457.10802/RT)	1000-1200	±10%	7	a,f
	Li_2WO_4				
100	v = 0.02244 exp(55018.84687/RT)	1126-1215	±10%	7	a,f
	Li_3AlF_6				
100	v = 0.0224 exp(48079.14837/RT)	1180-1340		11	a
	Li_3AlF_6-Na_3AlF_6				
0-100	v = 0.018175 exp(52430.58117/RT)	1320-1430	(201)	7	a,f
24.5-75.5	v = 0.02329 exp(48355.29699/RT)	1220-1400		7	a,f
46.4-53.6	v = 0.012567 exp(54091.65696/RT)	1210-1350		7	a,f
83.9-16.1	v = 0.023883 exp(46577.06724/RT)	1180-1400		7	a,f
	$MgBr_2$				
100	v = 0.003409 exp(60213.36978/RT)	1040-1220	±4%	3	
	$MgCl_2$				
100	v = 0.17939 exp(20558.67899/RT)	993-1170	±1%	12	d
	$MgCl_2$-NaCl				
0-100	(T=1073 K, v=1.2)		(202)	4	a
10-90	(T=1073 K, v=1.19)			4	a
20-80	v = 0.1357 exp(19262.62147/RT)	973-1073		4	a,f
30-70	v = 0.1009 exp(21217.41897/RT)	973-1073		4	a,f
40-60	v = 0.08278 exp(21740.84613/RT)	973-1073		4	a,f
50-50	v = 0.08636 exp(22532.05376/RT)	973-1073		4	a,f
60-40	v = 0.1028 exp(22166.78445/RT)	973-1073		4	a,f
70-30	v = 0.1189 exp(21902.76964/RT)	973-1073		4	a,f
80-20	v = 0.1089 exp(23450.87554/RT)	973-1073		4	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
90-10	v = 0.1451 exp(21741.26453/RT)	1023-1073		4	a,f
100-0	v = 0.1258 exp(23736.64752/RT)	1023-1073	(203)	4	a,f
For additional $MgCl_2$ systems, see : $BaCl_2$- ; KCl- ; LiCl-					
	MgF_2-Na_3AlF_6				
0-100	v = 0.02656 exp(49263.24018/RT)	1273-1323	(204)	5	a,l
10-90	v = 0.01806 exp(53459.86239/RT)	1273-1323		5	a,l
20-80	v = 0.0175 exp(54447.30291/RT)	1273-1323		5	a,l
30-70	v = 0.01807 exp(55275.74877/RT)	1273-1323		5	a,l
40-60	v = 0.01971 exp(55882.43892/RT)	1273-1323		5	a,l
50-50	v = 0.02542 exp(54907.55061/RT)	1273-1323		5	a,l
	MgO				
For MgO systems, see : CaF_2-					
	$NaBF_4$				
100	v = 0.0832 exp(19620.35945/RT)	700-780	±10%	7	a
	$NaBF_4$-NaF				
92-8	v = 0.0877 exp(18623.29557/RT)	690-810	(205)	11	a,f
100-0	v = 0.0832 exp(19620.35945/RT)	700-780	(206)	11	
	$NaBO_2$-$NaPO_3$				
20-80	v = 0.00197898 exp(1.184928624 x 10^5/RT)	1080-1220		5	a,f
40-60	v = 0.0389887 exp(93589.27776/RT)	1120-1220		5	a,f
60-40	v = 2.49832 exp(57589.53948/RT)	1120-1220		5	a,f
80-20	v = 0.265992 exp(75442.96617/RT)	1120-1220		5	a,f
	NaBr				
100	v = 0.1034 exp(20478.303/RT)	1022-1192	±1.5%	18	d
	NaBr-NaCl				
0-100	v = 0.1051 exp(22954.22643/RT)	1083-1143	(207)	2	a,f
20-80	v = 0.0402 exp(31857.09057/RT)	1083-1143		2	a,f
40-60	v = 0.1459 exp(21222.43985/RT)	1083-1143		2	a,f
60-40	v = 0.1456 exp(18978.94152/RT)	1083-1143		2	a,f
80-20	v = 0.1399 exp(19431.65789/RT)	1083-1143		2	a,f
100-0	v = 0.3046 exp(13327.51817/RT)	1083-1143	(208)	2	a,f
For additional NaBr systems, see : $AlBr_3$- ; $CdCl_2$- ; $HgBr_2$-					
	NaCl				
100	v = 0.089272 exp(21960.0914/RT)	1080-1210	±0.2%	5	d
	NaCl-NaF				
0-81 NaCl	v = 1.42 - 0.006591 C - 3.235 x 10^{-4} C^2 + 7.178 x 10^{-6} C^3 - 4.224 x 10^{-8} C^4	1273	(209)	2	a,n
	NaCl-NaF-NaI				
31.6-15.2-53.2	v = 0.1682 exp(16350.92715/RT)	830-1070		26	k
	NaCl-$NaNO_3$				
0-100	v = 0.091634 exp(16958.03571/RT)	583-723	(210)	5	a,f
2-98	v = 0.1276 exp(15575.61898/RT)	580-720		5	a,f
4-96	v = 0.181163 exp(13985.67238/RT)	583-723		5	a,f
6-94	v = 0.140717 exp(15615.78605/RT)	580-720		5	a,f
8-92	v = 141.203 - 0.403 T + 2.9137 x 10^{-4} T^2	598-723		5	a,f
10-90	v = 0.100302 exp(17227.07141/RT)	620-720		5	a,f
12-88	v = 0.00738367 exp(32234.91209/RT)	648-723		5	a,f
14-86	v = 0.676061 exp(6893.25533/RT)	680-720		5	a,f
	NaCl-NaOH				
100-80 NaOH	v = 2.3173 + 0.02722 C - 2.742 x 10^{-4} C^2	693	(211)	5	a
	NaCl-NaOH-Na_2CO_3				
2.0-96.4-1.6	v = 0.0717255 exp(20501.943/RT)	630-820		5	a,f
7.9-90.5-1.6	v = 0.0348783 exp(24473.88065/RT)	630-760		5	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	NaCl-$NaPO_3$				
20-80	(T=1173 K, v=240)			5	a
	NaCl-Na_2SO_4				
100-0 Na_2SO_4	v = 1.169 + 0.02943 C - 8.586 x 10^{-4} C^2 + 1.021 x 10^{-5} C^3	1173	(212)	5	a
	NaCl-Na_3AlF_6				
28.5-71.5	v = 0.0264946 exp(47572.8759/RT)	1240-1300		5	a,f
47.3-52.7	v = 0.0769671 exp(35004.34803/RT)	1180-1300		5	a,f
60.6-39.4	v = 0.0894914 exp(31167.97424/RT)	1180-1300		5	a,f
70.5-29.5	v = 0.0636424 exp(32693.06776/RT)	1180-1300		5	a,f
78.2-21.8	v = 0.0961257 exp(26872.60798/RT)	1180-1300		5	a,f
84.3-15.7	v = 0.0307744 exp(37412.28031/RT)	1180-1300		5	a,f
89.3-10.7	v = 0.00354645 exp(57572.8032/RT)	1180-1300		5	a,f
93.5-6.5	v = 0.00294991 exp(59556.05238/RT)	1120-1300		5	a,f
97.0-3.0	v = 0.00827424 exp(47698.398/RT)	1180-1300		5	a,f
	NaCl-$ZnCl_2$				
11.1-88.9	v = 4.034 x 10^{-4} exp(64872.33172/RT)	575-729		21,22	d,g
11.7-88.3	v = 3.888 x 10^{-4} exp(64719.19476/RT)	578-730		4	
20.3-79.7	v = 0.001326 exp(52690.41192/RT)	576-637		21,22	d,g
20.7-79.3	v = 8.179 x 10^{-4} exp(55076.58704/RT)	570-645		4	
20.7-79.3	v = 0.006974 exp(43523.53295/RT)	645-768		4	
30.4-69.6	v = 0.002749 exp(44871.64031/RT)	553-631		4	
30.4-69.6	v = 0.01925 exp(34536.569/RT)	631-769		4	
31.0-69.0	v = 0.008074 exp(39683.39351/RT)	576-626		21,22	d,g
38.1-61.9	v = 0.00274 exp(42765.79788/RT)	533-606		4	
38.1-61.9	v = 0.02364 exp(31801.44244/RT)	606-772		4	
39.4-60.6	v = 0.002732 exp(42698.43435/RT)	539-599		21,22	d,g
51.9-48.1	v = 0.03685 exp(28180.12986/RT)	627-815		21,22	d,g
55.7-44.3	v = 0.04458 exp(26181.81803/RT)	635-723		4	
55.7-44.3	v = 0.1158 exp(20468.05203/RT)	723-771		4	
58.3-41.7	v = 0.06682 exp(24552.12276/RT)	714-896		21,22	d,g
68.2-31.8	v = 0.07445 exp(21338.33859/RT)	864-1014		21,22	d,g
81.4-18.6	v = 0.2048 exp(14626.2535/RT)	1025-1115		21,22	d,g
84.9-15.1	v = 0.1093 exp(21224.53189/RT)	1059-1149		21,22	d,g
100.0-0.0	v = 0.1053 exp(21853.81602/RT)	1092-1240	(213)	21,22	d,g

For additional NaCl systems, see : $AlCl_3$-KCl- ; $AlCl_3$-LiCl- ; $AlCl_3$- ; $BaCl_2$- ; B_2O_3- ; $CaCl_2$- ; $CdBr_2$- ; $CdCl_2$- ; KCl- ; K_2TiF_6- ; K_2ZrF_6- ; $MgCl_2$- ; NaBr- ; $CeCl_3$-KCl* ; KCl*

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	$NaClO_3$				
100	v = 0.02439 exp(25109.85929/RT)	535-555	±2%	7	a,f
	$NaClO_3$-$NaNO_3$				
38.9-61.1	v = 0.0366 exp(22214.48285/RT)	520-560		5	a
51.5-48.5	v = 0.02385 exp(24468.44136/RT)	510-560		5	a
72.7-27.3	v = 0.02054 exp(25606.08999/RT)	510-560		5	a
100-0	v = 0.02439 exp(25109.85929/RT)	540-560	(214)	5	a
	$NaClO_4$-$NaNO_3$				
0-100	v = 0.09139 exp(16891.09059/RT)	580-720	(215)	5	a
10-90	v = 0.09425 exp(16950.50438/RT)	590-700		5	a
20-80	v = 0.09332 exp(17232.92911/RT)	570-700		5	a
38.5-61.5	v = 0.09085 exp(17598.19842/RT)	530-700		5	a
45-55	v = 0.08937 exp(17847.15059/RT)	570-700		5	a
70-30	v = 0.09587 exp(18063.467/RT)	670-700		5	a

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional $NaClO_4$ systems, see : KNO_3- ; $LiNO_3$-					
	NaF				
100	v = 0.1197 exp(26468.42682/RT)	1273-1373	±1%	27	d
	$NaF-NaPO_3$				
0-100	(T=1173 K, v=431.7)		(216)	5	a
20.6-79.4	(T=1173 K, v=148.8)			5	a
40.9-59.1	(T=1173 K, v=51.8)			5	a
60.3-39.7	(T=1173 K, v=14.5)			5	a
80.0-20.0	(T=1173 K, v=9.8)			5	a
	$NaF-Na_3AlF_6$				
36-64	v = 0.338948 exp(30331.16024/RT)	1250-1290		5	a,f
47-53	v = 0.0117121 exp(63677.36133/RT)	1240-1300		5	a,f
	$NaF-UF_4$				
30-70	(T=1073.2 K, v=10.99)		(217)	11	a
40-60	v = 0.1318 exp(39139.46441/RT)	973-1073		11	a,f
46-54	v = 0.1966 exp(35893.88131/RT)	973-1073		11	a,f
53.8-46.2	v = 0.1068 exp(38810.59651/RT)	973-1073		11	a,f
58-42	v = 0.1471 exp(36343.25043/RT)	973-1073		11	a,f
62.5-37.5	v = 0.06668 exp(42283.37461/RT)	973-1073		11	a,f
66.7-33.3	v = 0.05011 exp(43984.61747/RT)	973-1073		11	a,f
75-25	(T=1073.2 K, v=5.72)			11	a
76-24	v = 0.04334 exp(45669.96086/RT)	973-1073		11	a,f
	$NaF-ZrF_4$				
50-50	v = 0.02993 exp(32435.32905/RT)	873-1073		11	a,f
53-47	v = 0.07666 exp(33234.06801/RT)	873-1073		11	a,f
For additional NaF systems, see : AlF_3- ; Al_2O_3- ; BeF_2- ; B_2O_3- ; CaO- ; LiF- ; $NaBF_4$- ; NaCl-					
	NaI				
100	v = 0.0994 exp(19095.25867/RT)	941-1117	±1.5%	18	d
	$NaNO_2$				
100	v = 0.04876 exp(19581.4476/RT)	563-613	±2%	1	a,f
For additional $NaNO_2$ systems, see : $Ba(NO_2)_2$-KNO_2- ; $Ba(NO_2)_2$- ; KNO_2-					
	$NaNO_3$				
100	v = 0.1041 exp(16259.29602/RT)	589-731	±3%	1	f
	$NaNO_3-RbNO_3$				
0-100	v = 0.1308 exp(16594.02162/RT)	598-748	(218)	6	a,f
20-80	v = 0.0795 exp(18673.50441/RT)	573-698		6	a,f
40-60	v = 0.08057 exp(18117.0231/RT)	523-698		6	a,f
60-40	v = 0.03548 exp(22213.22763/RT)	523-698		6	a,f
80-20	(T=503.2 K, v=6.44)			6	a
80-20	v = 0.0786346 exp(17664.30673/RT)	573-698		6	a,f
100-0	v = 0.09699 exp(16614.94197/RT)	598-748	(219)	6	a,f
For additional $NaNO_3$ systems, see : $AgNO_3$- ; $Ba(NO_3)_2$-KNO_3- ; $Ca(NO_3)_2$-KNO_3- ; $Ca(NO_3)_2$- ; $Cd(NO_3)_2$-KNO_3- ; $Cd(NO_3)_2$-$LiNO_3$- ; $CsNO_3$- ; $KClO_4$- ; KNO_3- ; $LiClO_4$- ; $LiNO_3$- ; NaCl- ; $NaClO_3$- ; $NaClO_4$-					
	NaOH				
100	v = 0.07211 exp(20656.75359/RT)	623-823	±2%	1	a,f
	$NaOH-Na_2CO_3$				
92.1-7.9	v = 0.06099 exp(21464.2791/RT)	630-820		5	a
98.2-1.8	v = 0.06858 exp(20974.74291/RT)	630-820		5	a
100-0	v = 0.07212 exp(20652.56952/RT)	630-820	(220)	5	a

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
	$NaOH-Na_2CO_3-Na_2SiO_3$				
93.6-1.7-4.7	v = 0.081678 exp(19631.23803/RT)	730-820		5	a,f
	$NaOH-Na_3AsO_4$				
31.0-69.0	(T=773 K, v=603)			5	a
39.4-60.6	v = 1.24004 x 10^{-8} exp(1.26358914 x 10^5/RT)	730-770		5	a,f
48.9-51.1	v = 2.82696 x 10^{-5} exp(68217.07728/RT)	650-750		5	a,f
60.9-39.1	(T=653 K, v=144)			5	a
	$NaOH-Na_3SbO_4$				
46-54	v = 2.62174 exp(14528.76467/RT)	650-750		5	a,f
50-50	v = 1.15668 exp(18288.15156/RT)	650-750		5	a,f
56-44	v = 0.368532 exp(22789.79248/RT)	650-750		5	a,f
62-38	v = 0.162034 exp(25126.59557/RT)	650-750		5	a,f
68-32	v = 0.0883776 exp(26199.80953/RT)	650-750		5	a,f
For additional NaOH systems, see : CaO- ; NaCl-					
	$NaPO_3$				
100	v = 0.02412 exp(83258.80893/RT)	916-1110	n.a.	1	a,f
100	v = 0.16063 exp(67873.98354/RT)	1010-1290	±5%	5	a,f
	$NaPO_3-Na_2B_4O_7$				
0-50 $NaPO_3$	v = 170.73 + 0.05184 C + 0.02513 C^2	1223	(221)	5	a,o
50-100 $NaPO_3$	v = - 449.38 + 37.55 C - 0.6369 C^2 + 0.0031728 C^3	1223	(222)	5	a,o
	$NaPO_3-Na_2SO_4$				
Isothermal Data points	(C=0-100, v=7.62) (C=9.5-90.5, v=5.71) (C=19.8-80.2, v=3.81) (C=27.8-72.2, v=2.38) (C=39.1-60.9, v=5.24) (C=49.0-51.0, v=6.67) (C=60.6-39.4, v=11.91) (C=70.4-29.6, v=18.1) (C=80.2-19.8, v=30.95) (C=89.9-10.1, v=71.91) (C=100-0, v=180.2)	1173		5	a
	$NaPO_3-Na_4P_2O_7$				
0-100	v = 3.363 exp(23870.11935/RT)	1310-1350	(223)	5	a,f
31.5-68.5	v = 3.33749 exp(21561.34952/RT)	1240-1370		5	a,f
46.5-53.5	v = 1.59805 exp(32390.97791/RT)	1230-1310		5	a,f
63.5-36.5	v = 1.0098 exp(37848.67881/RT)	1030-1370		5	a,f
72.3-27.7	v = 0.748526 exp(41228.98897/RT)	1110-1270		5	a,f
76.1-23.9	v = 8074.4 - 19.7222 T + 0.016212 T^2 - 4.46 x 10^{-6} T^3	930-1320		5	a
79.6-20.4	v = 0.430529 exp(48907.59423/RT)	870-1110		5	a,f
85.9-14.1	v = 0.213257 exp(55819.67787/RT)	950-1110		5	a,f
93.7-6.3	v = 0.174187 exp(64108.32054/RT)	970-1270		5	a,f
95.9-4.1	v = 0.179631 exp(63652.25691/RT)	990-1110		5	a,f
100-0	v = 0.16063 exp(67873.98354/RT)	1010-1290	(224)	5	a
For additional $NaPO_3$ systems, see : B_2O_3- ; $NaBO_2$- ; NaCl- ; NaF-					
	NaSCN				
100	v = 0.04935 exp(19397.34852/RT)	578-634	±2%	1	a,f
	$NaVO_3$				
100	v = 0.162 exp(50899.21155/RT)	920-1160	±10%	5	a,f
	$NaVO_3-V_2O_5$				
0-100	v = 0.221 exp(44844.86226/RT)	940-1150	(225)	5	a,f
10-90	v = 0.543242 exp(38152.02389/RT)	980-1160		5	a,f
20-80	v = 0.342185 exp(43129.39356/RT)	1040-1160		5	a,f
32-68	v = 0.0801421 exp(49008.01191/RT)	980-1160		5	a,f
57-43	v = 0.216394 exp(36567.09817/RT)	920-1160		5	a,f
80-20	v = 0.0594415 exp(56392.89546/RT)	920-1160		5	a,f
100-0	v = 0.162 exp(50899.21155/RT)	920-1160	(226)	5	a,f
	$Na_2B_4O_7$				
100	v = 1.27 x 10^{-5} exp(1.6534607826 x 10^5/RT)	1050-1220	±15%	5	a,f
	$Na_2B_4O_7-WO_3$				
61.8-38.2	v = 0.0012506 exp(1.3054716807 x 10^5/RT)	1123-1373		5	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
75-25	$v = 2.233 \times 10^{-4} \exp(1.465261314 \times 10^5/RT)$	1123-1373		5	a,f
81.8-18.2	$v = 7.7438 \times 10^{-4} \exp(1.3260154644 \times 10^5/RT)$	1123-1373		5	a,f
90-10	$v = 2.7591 \times 10^{-4} \exp(1.4164750578 \times 10^5/RT)$	1123-1373		5	a,f
100-0	$v = 6.95 \times 10^{-5} \exp(1.5519134037 \times 10^5/RT)$	1123-1373	(227)	5	a,f
For additional $Na_2B_4O_7$ systems, see : B_2O_3- ; K_2ZrF_6- ; $NaPO_3$-					
	Na_2CO_3				
100	$v = 0.18937 \exp(28834.1/RT)$	1134-1234	±3%,(228)	24	d
For additional Na_2CO_3 systems, see : B_2O_3- ; CaO-NaOH- ; K_2CO_3-Li_2CO_3- ; K_2CO_3- ; Li_2CO_3- ; NaCl-NaOH- ; NaOH-					
	Na_2MoO_4				
100	$v = 0.152639 \exp(29570.07791/RT)$	1030-1190	±10%	7	a,f
	Na_2SO_4				
100	$v = 0.148 \exp(41798.8593/RT)$	1240-1470	±10%	7	a
	Na_2SO_4-$Na_4P_2O_7$				
30-100 Na_2SO_4	$v = 22.987 - 0.2732\, C + 9.3 \times 10^{-4}\, C^2$	1273	(229)	5	a
For additional Na_2SO_4 systems, see : $CaSO_4$- ; NaCl- ; $NaPO_3$-					
	$Na_2S_{3.1}$				
100	$v = 0.5624 \exp(8443.45326/R(T-332))$	577-653	±5%	7	a
	$Na_2S_{3.3}$				
100	$v = 0.337 \exp(11225.85981/R(T-288))$	589-647	±5%	7	a
	$Na_2S_{3.6}$				
100	$v = 0.6193 \exp(7974.83742/R(T-342))$	558-646	±5%	7	a
	$Na_2S_{3.9}$				
100	$v = 0.4046 \exp(9292.81947/R(T-326))$	533-652	±5%	7	a
	$Na_2S_{4.1}$				
100	$v = 0.407 \exp(9347.21238/R(T-328))$	587-641	±5%	7	a
	$Na_2S_{4.3}$				
100	$v = 0.8071 \exp(6016.69266/R(T-390))$	572-675	±5%	7	a
	$Na_2S_{4.7}$				
100	$v = 0.4684 \exp(8213.32941/R(T-356))$	557-654	±5%	7	a
	$Na_2S_{5.2}$				
100	$v = 1.7411 \exp(3104.99835/R(T-465))$	620-648	±5%	7	a
	Na_2WO_4				
100	$v = 0.0797384 \exp(38682.98237/RT)$	1050-1250	±10%	7	a,f
	Na_3AlF_6				
100	$v = 0.017924 \exp(51799.9163/RT)$	1290-1390	±1%	7	a,f
For additional Na_3AlF_6 systems, see : AlF_3- ; Al_2O_3- ; $BaCl_2$- ; B_2O_3- ; CaF_2- ; LiF- ; Li_3AlF_6- ; MgF_2- ; NaCl- ; NaF-					
	Na_3AsO_4				
For Na_3AsO_4 systems, see : NaOH-					
	$Na_4P_2O_7$				
100	$v = 3.363 \exp(23870.11935/RT)$	1310-1350	±10%	5	a,f
	$Na_4P_2O_7$-WO_3				
40-60	$v = 0.004102 \exp(99436.09718/RT)$	1230-1370		5	a,f
45-55	$v = 0.002614 \exp(1.0207499013 \times 10^5/RT)$	1230-1370		5	a,f
50-50	$v = 0.002344 \exp(1.0193022131 \times 10^5/RT)$	1230-1370		5	a,f
55.2-44.8	$v = 0.01724 \exp(81811.12071/RT)$	1230-1370		5	a
60-40	$v = 0.026 \exp(76288.14831/RT)$	1230-1370		5	a
69.3-30.7	$v = 0.157339 \exp(58296.64731/RT)$	1230-1370		5	a,f
78-22	$v = 0.07252 \exp(68246.36577/RT)$	1230-1370		5	a,f
85.8-14.2	$v = 0.11919 \exp(64530.91161/RT)$	1280-1370		5	a
92.5-7.5	$v = 0.1323 \exp(64966.05489/RT)$	1280-1370		5	a
100-0	$v = 0.29506 \exp(57890.79252/RT)$	1280-1370	(230)	5	a

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m⁻²) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
For additional $Na_4P_2O_7$ systems, see : $NaPO_3$- ; Na_2SO_4-					
	$N(CH_3)_4ClO_4$				
For $N(CH_3)_4ClO_4$ systems, see : $HgBr_2$-					
	$N(C_3H_7)_4B(C_6H_5)_4$				
100	$v = 9.287 \times 10^{-4} \exp(37225.67079/RT)$	483-529	(231)	1	a,f
	$N(C_3H_7)_4BF_4$				
100	$v = 0.006663 \exp(25259.23059/RT)$	522-546	(232)	1	a,f
	$N(C_3H_7)_4PF_6$				
100	$v = 0.005752 \exp(27033.27627/RT)$	517-541	(233)	1	a,f
	$N(C_3H_7)_4SCN$				
100	$v = 2.48274 \times 10^{-5} \exp(44100.0978/RT)$	330-380	(234)	7	a,f
For additional $N(C_3H_7)_4SCN$ systems, see : AgSCN- ; $Cd(SCN)_2$- ; CuSCN-					
	$N(C_4H_9)_4B(C_6H_5)_4$				
100	$v = 0.001588 \exp(34455.81645/RT)$	516-541	(235)	1	a,f
	$N(C_4H_9)_4BF_4$				
100	$v = 0.002222 \exp(30313.58715/RT)$	435-539	(236)	1	a,f
	$N(C_4H_9)_4PF_6$				
100	$v = 0.003173 \exp(29953.75713/RT)$	529-554	(237)	1	a,f
	$N(C_5H_{11})_4SCN$				
100	$v = 2.512 \times 10^{-5} \exp(44146.12257/RT)$	325-383	n.a.)	1	a,f
	$N(C_6H_{13})_4BF_4$				
100	$v = 1.806 \times 10^{-4} \exp(41175.43287/RT)$	376-502	n.a.)	1	a,f
	$NdCl_3$				
100	$v = 0.116738 \exp(27121.56015/RT)$	1160-1240	±3%	4	a,f
For additional $NdCl_3$ systems, see : KCl*NaCl-					
	NH_4Br				
For NH_4Br systems, see : $AlBr_3$-					
	$NH_4H_2PO_4$-NH_4NO_3				
3.5-96.5	$v = 0.1867 \exp(12029.20125/RT)$	430-450		5	a
7.2-92.8	$v = 0.08488 \exp(15305.32806/RT)$	430-450		5	a
10.9-89.1	$v = 0.08893 \exp(15581.47668/RT)$	420-450		5	a
18.8-81.2	$v = 0.07306 \exp(17435.01969/RT)$	420-450		5	a
27.3-72.7	$v = 0.03181 \exp(21497.75166/RT)$	420-450		5	a
33.9-66.1	$v = 0.0336 \exp(22175.571/RT)$	440-450		5	a
41.0-59.0	$v = 0.02255 \exp(24598.14753/RT)$	440-450		5	a
51.1-48.9	$v = 0.01235 \exp(28070.92563/RT)$	440-450		5	a
	NH_4NO_3				
For NH_4NO_3 systems, see : KCl- ; $NH_4H_2PO_4$-					
	NiO				
For NiO systems, see : KPO_3- ; $K_2B_4O_7$-					
	Ni_3S_2				
100	$v = 0.3704 \exp(28444.14467/RT)$	1523-1773	n.a.	7	a,f
For additional Ni_3S_2 systems, see : Co_4S_3- ; Cu_2S- ; FeS-					
	$PbBr_2$				
100	$v = 0.08165 \exp(24573.04311/RT)$	700-820	±2%	2	a,f
	$PbBr_2$-$PbCl_2$				
0.0-100.0	$v = 0.07066 \exp(26790.60021/RT)$	780-820	(240)	2	a,f
23.1-76.9	$v = 0.044219 \exp(29652.9225/RT)$	750-820		2	a,f
56.4-43.6	$v = 0.040502 \exp(29652.50409/RT)$	700-820		2	a,f
75.3-24.7	$v = 0.05754 \exp(27167.16651/RT)$	700-820		2	a,f
100.0-0.0	$v = 0.08165 \exp(24573.04311/RT)$	700-820	(241)	2	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
For additional $PbBr_2$ systems, see : $CdCl_2$- ; KBr- ; KCl-					
	$PbCl_2$				
100	v = 0.05619 exp(28292.68134/RT)	773-973	±2%	1	a,f
For additional $PbCl_2$ systems, see : AgCl- ; $CdBr_2$- ; $CdCl_2$- ; KBr- ; KCl- ; $PbBr_2$-					
	PbF_2-PbO				
48-52	v = 27.1703 exp(22104.0234/RT)	880-1200		5	a,f
	PbO				
For PbO systems, see : PbF_2-					
	$PrCl_3$				
100	v = 0.094205 exp(31429.06021/RT)	1130-1250	±3%	4	a,f
For additional $PrCl_3$ systems, see : KCl*NaCl-					
	RbBr				
100	v = 0.0806 exp(23550.33088/RT)	971-1197	±1.5%	18	d
	RbCl				
100	v = 0.06783 exp(24805.17531/RT)	1023-1172	±1%	19	d
For additional RbCl systems, see : CsCl- ; KCl- ; LiCl-					
	RbF				
100	v = 0.0971068 exp(24324.50935/RT)	1079-1274	±1.5%	23	k
For additional RbF systems, see : BeF_2- ; LiF-					
	RbI				
100	v = 0.0764 exp(23081.33847/RT)	934-1194	±1.5%	18	d
	$RbNO_2$				
100	v = 0.08754 exp(18807.39465/RT)	712-758	±3%	1	a,f
	$RbNO_3$				
100	v = 0.1296 exp(16635.86232/RT)	598-698	±3%	1	a,c,f
For additional $RbNO_3$ systems, see : $AgNO_3$- ; $CsNO_3$- ; KNO_3- ; $LiNO_3$- ; $NaNO_3$-					
	Rb_2CO_3				
100	v = 0.15847 exp(28317.78576/RT)	1154-1234	±3%	24	k
For additional Rb_2CO_3 systems, see : B_2O_3-					
	$SbBr_3$				
100	v = 0.01899 exp(16297.37106/RT)	375-410	±2%	3	a,f
For additional $SbBr_3$ systems, see : $AlBr_3$-					
	$SbCl_3$				
100	v = 0.003841 exp(18599.86478/RT)	323-353	±2%	4	a,f
	$SbCl_3$-$SbCl_5$				
0-100	v = 0.03299 exp(10132.56232/RT)	323-353	(242)	4	a,f
4.48-95.52	v = 0.02142 exp(11396.56987/RT)	323-353		4	a,f
25.77-74.23	v = 0.01783 exp(12475.22311/RT)	323-353		4	a,f
33.40-66.60	v = 0.01766 exp(12604.92928/RT)	323-353		4	a,f
39.89-60.11	v = 0.01182 exp(13892.36762/RT)	323-353		4	a,f
43.60-56.40	v = 0.01046 exp(14344.66559/RT)	323-353		4	a,f
44.75-55.25	v = 0.01072 exp(14341.31833/RT)	323-353		4	a,f
46.50-53.50	v = 0.009065 exp(14826.67045/RT)	323-353		4	a,f
46.96-53.04	v = 0.008722 exp(14960.56069/RT)	323-353		4	a,f
55.61-44.39	v = 0.006568 exp(15981.47377/RT)	323-353		4	a,f
58.30-41.70	v = 0.006167 exp(16188.16683/RT)	323-353		4	a,f
65.65-34.35	v = 0.00457 exp(17265.14645/RT)	323-353		4	a,f
71.92-28.08	v = 0.004787 exp(17270.58574/RT)	323-353		4	a,f
73.27-26.73	v = 0.004996 exp(17187.32275/RT)	323-353		4	a,f
76.86-23.14	v = 0.004198 exp(17744.22246/RT)	323-353		4	a,f
78.22-21.78	v = 0.003503 exp(18326.64501/RT)	323-353		4	a,f
80.13-19.87	v = 0.004051 exp(17950.07871/RT)	323-353		4	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation Viscosity (mN s m⁻²) (R = 8.31441 J K⁻¹ mol⁻¹)	T range(K)	Accur.	Ref.	Comment
80.80-19.20	v = 0.003709 exp(18230.4114/RT)	323-353		4	a,f
81.75-18.25	v = 0.00488 exp(17524.9772/RT)	323-353		4	a,f
87.77-12.23	v = 0.004333 exp(17997.3587/RT)	323-353		4	a,f
92.68-7.32	v = 0.00405 exp(18295.26448/RT)	333-353		4	a,f
94.55-5.45	v = 0.004573 exp(18014.09498/RT)	323-353		4	a,f
100-0	v = 0.003828 exp(18620.36672/RT)	323-353	(243)	4	a,f
	$SbCl_5$				
100	v = 0.0348832 exp(9991.55916/RT)	325-350	±2%	4	a,f
For additional $SbCl_5$ systems, see : $SbCl_3$-					
	$ScCl_3$				
For $ScCl_3$ systems, see : KCl-					
	SiO_2				
100	v = 9.004 x 10^{-4} exp(3.7336967052 x 10^5/RT)	2208-2595	±10%	1	a,f
	$SmCl_3$				
For $SmCl_3$ systems, see : KCl*NaCl-					
	$SnCl_4$				
100	v = 0.03187 exp(8066.88696/RT)	273-423	±2%	1	a,f
	$SnCl_4$-$TiCl_4$				
0-100	v = 0.04949 exp(6877.35586/RT)	293-333	(244)	4	a,f
20-80	v = 0.04236 exp(7304.96781/RT)	293-333		4	a,f
40-60	v = 0.03646 exp(7724.63003/RT)	293-333		4	a,f
60-40	v = 0.03316 exp(8011.23883/RT)	293-333		4	a,f
80-20	v = 0.03103 exp(8231.32091/RT)	293-333		4	a,f
100-0	v = 0.03138 exp(8262.28303/RT)	293-333	(245)	4	a,f
	$SrCl_2$				
100	v = 0.09638 exp(34917.82146/RT)	1150-1300	±1%	12	d
	$Sr(NO_3)_2$				
For $Sr(NO_3)_2$ systems, see : KNO_3-					
	ThF_4				
For ThF_4 systems, see : BeF_2-LiF-					
	$TiCl_4$				
100	v = 0.04952 exp(6874.42701/RT)	293-333	n.a.	1	a,f
For additional $TiCl_4$ systems, see : $SnCl_4$-					
	TiO_2				
For TiO_2 systems, see : CaF_2-					
	TlBr				
100	v = 0.3157 exp(11771.46254/RT)	760-990	±2%	3	a,f
	TlBr-TlCl				
0-100	v = 0.2297 exp(12696.97882/RT)	773-1173	(246)	2	a,f
8.7-91.3	v = 0.2297 exp(12696.97882/RT)	733-1073		2	a,f
17.7-82.3	v = 0.233 exp(12714.97032/RT)	733-1173		2	a,f
26.9-73.1	v = 0.2352 exp(12729.61457/RT)	733-1173		2	a,f
36.4-63.6	v = 0.2359 exp(12816.22482/RT)	733-1173		2	a,f
46.2-53.8	v = 0.2364 exp(12908.69276/RT)	733-1173		2	a,f
56.3-43.7	v = 0.2409 exp(12879.40427/RT)	733-1173		2	a,f
66.7-33.3	v = 0.2416 exp(12960.57523/RT)	733-1173		2	a,f
77.4-22.6	v = 0.245 exp(12946.34939/RT)	733-1173		2	a,f
88.5-11.5	v = 0.2302 exp(13443.83532/RT)	733-1173		2	a,f
100-0	v = 0.2464 exp(13089.863/RT)	733-1173	(247)	2	a,f
	TlBr-TlI				
0-100	v = 0.2332 exp(14110.77608/RT)	723-1173	(248)	2	a,f
11.47-88.53	v = 0.2357 exp(13975.21221/RT)	733-1173		2	a,f
22.56-77.44	v = 0.235 exp(13913.70638/RT)	733-1173		2	a,f
33.31-66.69	v = 0.241 exp(13688.60341/RT)	733-1173		2	a,f

Table 2.4.a Viscosity data (continued)

(mol %)	Equation — Viscosity (mN s m^{-2}) (R = 8.31441 J K^{-1} mol^{-1})	T range(K)	Accur.	Ref.	Comment
44.81-55.19	v = 0.2385 exp(13693.20589/RT)	733-1173		2	a,f
54.23-45.77	v = 0.2986 exp(11686.10751/RT)	733-1173		2	a,f
63.61-36.39	v = 0.2404 exp(13517.89336/RT)	733-1173		2	a,f
73.11-26.89	v = 0.2414 exp(13414.54683/RT)	733-1173		2	a,f
82.33-17.67	v = 0.2424 exp(13342.99923/RT)	733-1173		2	a,f
91.29-8.71	v = 0.2437 exp(13209.9458/RT)	733-1173		2	a,f
100-0	v = 0.2464 exp(13089.863/RT)	733-1173	(249)	2	a,f,1
For additional TlBr systems, see : $HgBr_2$-					
	TlCl				
100	v = 0.173 exp(14225.838/RT)	740-1040	±2%	4	a
For additional TlCl systems, see : TlBr-					
	TlI				
100	v = 0.2284 exp(14522.90697/RT)	740-960	±2%	3	a,f
	$TlNO_3$				
100	v = 0.0843 exp(15301.14399/RT)	493-554	±2%	1	a,c,f
For additional $TlNO_3$ systems, see : $AgNO_3$- ; $HgCl_2$-					
	Tl_2S				
100	v = 0.105948 exp(20983.12779/RT)	790-1060	n.a.	7	a,f
	UF_4				
100	v = 0.010775 exp(58222.17086/RT)	1348-1488	n.a.	11	a,f
For additional UF_4 systems, see : LiF- ; NaF-					
	V_2O_5				
100	v = 0.221 exp(44844.86226/RT)	940-1150	±10%	5	a,f
For additional V_2O_5 systems, see : CaF_2- ; KVO_3- ; $NaVO_3$-					
	WO_3				
For WO_3 systems, see : $Na_2B_4O_7$- ; $Na_4P_2O_7$-					
	$ZnBr_2$				
100	v = 7.78814 x 10^{-5} exp(82480.57191/RT)	680-810	±5%	3	a,f
For additional $ZnBr_2$ systems, see : $AlBr_3$-					
	$ZnCl_2$				
100	v = 2.6912 x 10^{-7} exp(1.1474058842 x 10^5/RT)	591-628	±5%	21,22	d
100	v = 5.30191 x 10^{-6} exp(99099.27954/RT)	628-722	±5%	21,22	d
100	v = 2.8899 x 10^{-4} exp(75136.27384/RT)	722-853		21,22	d
For additional $ZnCl_2$ systems, see : CsCl- ; KCl- ; LiCl- ; NaCl-					
	$ZrCl_4$				
100	v = 5.10082 x 10^{-7} exp(80116.57236/RT)	710-760	±2%	4	a,f
	ZrF_4				
For ZrF_4 systems, see : KF- ; NaF-					

Table 2.4.b Viscosity data reliability statements

Number	Reliability estimates
1	For 100% AgCl, the departures from the recommended data set are: 730 K, -0.25%, 970 K, +0.41%.
2	For 100% AgBr, the departures from the recommended data set are: 720 K, -0.1%, 870 K, +0.4%.
3	The values for 100% $HgBr_2$ from this work have been advanced elsewhere as the recommended data set.
4	For 100% AgBr, the results from this study have been advanced elsewhere as the recommended data set.
5	For 100% AgCl, the results from this study have been advanced elsewhere as the recommended data set.
6	For 100% $PbCl_2$, the results from this study have been advanced elsewhere as the recommended data set.
7	For 100% AgCl, the results from this study have been advanced elsewhere as the recommended data set.
8	This is approx. 2% lower than the recommended data base for pure $AgNO_3$.
9	For 100% HgI_2, the departures from the recommended data set are: 556 K, 3.3%, 629 K, 19.3%.
10	For 100% $CsNO_3$, the departures from the recommended data set are: 550 K, +2.9%, 670 K, -5.0%.
11	For 100% $AgNO_3$, the departures from the recommended data set are: 550 K, +1.3%, 670 K, +4.6%.
12	For 100% KNO_3, the departures from the recommended data set are: 620 K, -1.7%, 670 K, -1.1%.
13	For 100% $AgNO_3$, the departures from the recommended data set are: 550 K, +1.3%, 670 K, +4.6%.
14	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, +4.7%, 670 K, +3.7%.
15	For 100% $AgNO_3$, the departures from the recommended data set are: 550 K, +1.3%, 670 K, +4.6%.
16	For 100% $NaNO_3$, the departures from the recommended data set are: 550 K, -0.6%, 670 K, -0.7%.
17	For 100% $AgNO_3$, the departures from the recommended data set are: 550 K, +1.3%, 670 K, +4.6%.
18	For 100% $RbNO_3$, the departures from the recommended data set are: 550 K, -4.1%, 670 K, -1.2%.
19	For 100% $AgNO_3$, the departures from the recommended data set are: 550 K, +1.3%, 670 K, +4.6%.
20	For 100% $TlNO_3$, at 498 K, the departure from the recommended value is +8.3%.
21	For 100% $AgNO_3$, at 498 K, the departure from the recommended value is -1.0%.
22	For 100% $AlBr_3$, the departures from the recommended data set are: 385 K, +2.0%, 415 K, +2.0%.
23	For 100% $AlBr_3$, the departures from the recommended data set are: 415 K, +2.6%, 430 K, +3.4%.
24	For 100% $AlBr_3$, the departures from the recommended data set are: 385 K, +2.0%, 420 K, +2.0%.
25	For 100% $SbBr_3$, the results from this study have been advanced elsewhere as the recommended data set.
26	For 100% $AlBr_3$, the departures from the recommended data set are: 415 K, +1.9%, 435 K, +3.9%.
27	For 100% $AlBr_3$, the departures from the recommended data set are: 415 K, +1.9%, 435 K, +3.9%.
28	For viscosity measurements from this laboratory (Trondheim) for 100% NaCl in the Molten Salts Standards Program have been advanced as the recommended data set
29	For 100% LiF, the departures from the recommended data set are: 1150 K, +27%, 1320 K, +22%.
30	For 100% NaF, the departures from the recommended data set are: 1290 K, +31%, 1370 K, +20%.
31	For 100% Na_3AlF_6, the departures from the recommended data set are: 1300 K, -41%, 1340 K, -40%.
32	For 100% Na_3AlF_6, the results from this laboratory have been advanced elsewhere as the recommended data set.
33	The results of Abramov et al. appear to be approx. 12% too high based on comparisons with the recommended data set for Na_3AlF_6.
34	For 100% CsCl, the departures from the recommended data set are: 930 K, -11%, 1030 K, -16%.
35	For 100% $BaCl_2$, the departures from the recommended data set are: 1240 K, +3.2%, 1290 K, -0.1%.
36	For 100% $BaCl_2$, the departures from the recommended data set are: 1240 K, +3.2%, 1290 K, -0.1%.
37	For 100% $MgCl_2$, the departures from the recommended data set are: 1010 K, -2.3%, 1130 K, 0.0%.
38	For 100% $BaCl_2$, the departures from the recommended data set are: 1250 K, +9.5%, 1350 K, +10.4%.
39	For 100% NaCl, the departures from the recommended data set are: 1100 K, +44%, 1140 K, +33%.
40	For 100% $Ba(NO_2)_2$, the results from this work have been advanced elsewhere as the recommended data set.
41	For 100% $Ba(NO_2)_2$, the results from this work have been advanced elsewhere as the recommended data set.
42	For 100% KNO_3, the departures from the recommended data set are: 613 K -2.2%, 693 K 1.0%.
43	The results appear to be approx. 18% too high, based on comparisons with the recommended data set for KF.
44	The results appear to be approx. 17% too high, based on comparisons with the recommended data set for LiF.
45	The results for 100% BeF_2 have been advanced elsewhere as the best values data set.
46	The results appear approx. 17% too high, based on comparisons with the recommended data set for NaF.
47	Based on comparisons with the recommended data set for RbF, the results appear approx. 18% too high.
48	For 100% B_2O_3, the results from this work have been advanced elsewhere as the recommended data set.
49	For 100% B_2O_3, the results appear approx. 40-50% too high, based on comparisons with the recommended data set.
50	For 100% B_2O_3, the results from this work have been advanced elsewhere as the recommended data set.
51	For 100% B_2O_3, the results from this work have been advanced elsewhere as the recommended data set.

Table 2.4.b Viscosity data reliability statements (continued)

Number	Reliability estimates
52	For 100% B_2O_3, the results from this work have been advanced elsewhere as the recommended data set.
53	For 100% B_2O_3, the results from this study have been advanced elsewhere as the recommended data set.
54	For 100% $NaPO_3$, the results have been advanced elsewhere as the recommended data set.
55	For 100% B_2O_3, the departures from the recommended data set are: 970 K, +2.7%, 1020 K, +13.2%.
56	For 100% $Na_2B_4O_7$, the results appear about 39% too high at approx. 1030 K on comparison with the recommended data set.
57	For 100% B_2O_3, the departures from the recommended data set are: 920 K, +29%, 1020 K, +51%.
58	For 100% B_2O_3, the results from this work have been advanced elsewhere as the recommended data set.
59	For 100% B_2O_3, the results from this work have been advanced elsewhere as the recommended data set.
60	For 100% B_2O_3, the results from this work have been advanced elsewhere as the recommended data set.
61	For 100% NaCl, the departures from the recommended data set are: 1100 K, +44%, 1140 K, +33%.
62	For 100% $CaCl_2$, the departures from the recommended data set are: 1030 K, +36.7%, 1140 K, +39.8%.
63	For 100% Na_3AlF_6, the departures from the recommended data set are: 1300 K, -41%, 1340 K, -40%.
64	For 100% KNO_3, the departures from the recommended data set are: 620 K, -0.3%, 670 K, -1.1%.
65	For 100% $LiNO_3$, the departures from the recommended data set are: 540 K -0.5%, 650 K -4.9%.
66	For 100% $NaNO_3$, the departures from the recommended data set are: 590 K -2.9%, 690 K -2.5%.
67	For 100% Na_2SO_4, the results from this study have been advanced elsewhere as the recommended data set.
68	For 100% $CdCl_2$, the results have been advanced elsewhere as the recommended data set.
69	For 100% $CdBr_2$, the results have been advanced elsewhere as the recommended data set.
70	For 100% $PbCl_2$ at 793 K, the departure from the recommended data set is -7.4%.
71	For 100% CdI_2, the departures from the recommended data set are: 690 K, -34%, 790 K, -41%.
72	For 100% $CdCl_2$, the results have been recommended elsewhere as the recommended data set.
73	For 100% $CdCl_2$, the results have been recommended elsewhere as the recommended data set.
74	For 100% $PbBr_2$, the departures from the recommended data set are: 735 K, +21%, 790 K, +16%.
75	For 100% $PbCl_2$, the departures from the recommended data set are: 800 K, +1.5%, 950 K, -1.0%.
76	For 100% $CdCl_2$, the results have been advanced elsewhere as the recommended data set.
77	Insufficient details for firm estimate. Based on the principles of the method, possibly 10%.
78	For 100% Cu_2S, the departures from the recommended data set are: 1473 K, -0.7%, 1773 K, +7.5%.
79	For 100% Co_4S_3, the departures from the recommended data set are: 1480 K, -2.0%, 1770 K, +0.9%.
80	For 100% FeS, the results have been advanced elsewhere as the recommended data set.
81	For 100% Co_4S_3, the results have been recommended elsewhere as the recommended data set.
82	For 100% Ni_3S_2, the results have been advanced elsewhere as the recommended data set.
83	For 100% Co_4S_3, the results have been advanced elsewhere as the recommended data set.
84	For 100% CsCl and 100% CsBr, the departures from the recommended data sets are, respectively, +1.7% and +8%.
85	For 100% CsF and 100% CsBr, the results differ from the recommended data sets by -18% and +8%, respectively.
86	For 100% CsBr and 100% CsI at 1070 K, the departures from the recommended data sets are, respectively: +8.0% and +1.6%.
87	For 100% CsF and 100% CsCl, the results differ by -18% and +1.7%, respectively, from the recommended data sets.
88	For 100% CsCl and 100% CsI, the departures from the recommended data sets are, respectively: +2% and +1.7%.
89	For 100% KCl, the departures from the recommended data set are: 1053 K 7.9%, 1162 K 5.8%.
90	For 100% CsCl, the departures from the recommended data set are: 963 K 2.9%, 1072 K 4.2%.
91	For 100% $LaCl_3$, the departures from the recommended data set are: 1190 K, -0.6%, 1240 K, -3.4%.
92	For 100% CsCl, the departures from the recommended data set are: 935 K, -11.4%, 1030 K, -16.2%.
93	For 100% LiCl, the departures from the recommended data set are: 893 K 15.6%, 1083 K -1.5%.
94	For 100% LiCl, the departures from the recommended data set are: 930 K, +8.5%, 1060 K, -3.2%.
95	For 100% CsCl, the departures from the recommended data set are: 930 K, -12%, 1030 K, -17%.
96	For 100% CsCl, the departures from the recommended data set are: 963 K 2.9%, 1072 K 4.2%.
97	For 100% RbCl, the departures from the recommended data set are: 1023 K 3.7%, 1113 K 3.8%.
98	For 100% CsCl, the departures from the recommended data set are: 963 K 2.9%, 1072 K 4.2%.
99	For 100% CsCl, the departures from the recommended data set are: 940 K, -2.0%, 1070 K, -3.0%.
100	For 100% CsF and 100% CsI, the results differ from the recommended data sets by -18% and +2%, respectively.
101	For 100% KNO_3, the departures from the recommended data set are: 630 K, -1.5%, 760 K, -4.1%.
102	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, +8.5%, 770 K, +10.9%.
103	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, +4.7%, 670 K, +3.7%.

Table 2.4.b Viscosity data reliability statements (continued)

Number	Reliability estimates
104	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, +8.5%, 770 K, +10.9%.
105	For 100% $NaNO_3$, the departures from the recommended data set are: 600 K, -0.4%, 740 K, 0.0%.
106	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, +8.5%, 770 K, +10.9%.
107	For 100% $RbNO_3$, the departures from the recommended data set are: 600 K, 0.0%, 700 K, 0.0%, i.e.: exact accord.
108	For 100% $CsNO_3$, the departures from the recommended data set are: 700 K, +8.5%, 770 K, +10.9%.
109	Measurements were extended to include NaCl, and comparison with the recommended NaCl data set shows excellent agreement (i.e., ± 1%).
110	For 100% $N(C_3H_7)_4SCN$, the results have been advanced elsewhere as the recommended data set.
111	For 100% FeS, the results have been advanced elsewhere as the recommended data set.
112	For 100% Cu_2S, the results have been advanced elsewhere as the recommended data set.
113	For 100% Ni_3S_2, the results have been advanced elsewhere as the recommended data set.
114	For 100% Cu_2S, the departures from the recommended data set are: 1473 K, -0.7%, 1773 K, +7.5%.
115	For 100% Ni_3S_2, the results have been advanced elsewhere as the recommended data set.
116	For 100% FeS, the results have been advanced elsewhere as the recommended data set.
117	For 100% HgI_2, at 531.2 K, the departure from the recommended data set is +35.2%.
118	For 100% $HgBr_2$, the departures from the recommended data set are: 520 K, -41%, 531 K, +3.7%.
119	For 100% $HgBr_2$, the results have been advanced elsewhere as the recommended data set.
120	For 100% $HgBr_2$, the results have been advanced elsewhere as the recommended data set.
121	For 100% $HgBr_2$, the results have been advanced elsewhere as the recommended data set.
122	For 100% $TlNO_3$, the results have been advanced elsewhere as the recommended data set.
123	For 100% KCl, the departures from the recommended data set are: 1070 K, +7%, 1200 K, +5%, respectively.
124	For 100% KBr, the departures from the recommended data set are, respectively: 1030 K, -1.2%, 1200 K, +5%.
125	For 100% $PbBr_2$, the departures from the recommended data set are: 735 K, +0.9%, 820 K, +8.3%.
126	For 100% KBr, the departures from the recommended data set are: 1040 K, -1.8%, 1200 K, +3.8%.
127	For 100% $PbCl_2$ at 791 K, the departure from the recommended data set is -34%.
128	For 100% KPO_3, at 1173 K, the departure from the recommended data set is 38%.
129	For 100% K_2ZrF_6, the results have been advanced elsewhere as the recommended data set.
130	For 100% KCl, the departures from the recommended data set are: 1070 K, +26%, 1170 K, +15%.
131	For 100% LiCl, the departures from the recommended data set are: 930 K, +10.8%, 1060 K, +4.2%.
132	For 100% KCl, the departures from the recommended data set are: 1080 K, +4.0%, 1150 K, +4.7%.
133	For 100% $MgCl_2$, the departures from the recommended data set are: 1010 K, -2.3%, 1130 K, 0.0%.
134	For 100% KCl, the departures from the recommended data set are: 1080 K, +11%, 1150 K, +8%.
135	For 100% NaCl, the departures from the recommended data set are: 1100 K, +33%, 1170 K, +19%.
136	For 100% KCl, the departures from the recommended data set are: 1080 K, +3.9%, 1150 K, +4.4%.
137	For 100% $PbBr_2$, the departures from the recommended data set are: 700 K, -7.8%, 790 K, +8.4%.
138	For 100% $PbCl_2$, the departures from the recommended data set are: 880 K, 0.0%, 970 K, -1.0%.
139	For 100% RbCl, the departures from the recommended data set are: 1053 K 7.9%, 1162 K 5.8%.
140	For 100% KCl, the departures from the recommended data set are: 1023 K 3.7%, 1113 K 3.8%.
141	For 100% SbCl3, at 373.2 K, the departure from the recommended data set is +11.7%.
142	For 100% KCl, the departures from the recommended data set are: 1070 K, -11.4%, 1170 K, -7.6%.
143	Insufficient details for firm estimate. Based on principles of the method, possibly 10%
144	Insufficient details for a firm estimate. Based on the principles of the method, possibly 10%.
145	Insufficient details for firm estimate. Based on the principles of the method, possibly 10%.
146	Insufficient details for firm estimate. Based on the principles of the method, possibly 10%.
147	For 100% KNO_3, the departures from the recommended data set are: 620 K, -0.4%, 700 K, -1.5%.
148	For 100% $LiNO_3$, the departures from the recommended data set are: 540 K, +4.5%, 650 K, +3.5%.
149	For 100% $NaNO_3$, the departures from the recommended data set are: 580 K, 0.0%, 720 K, -1.9%.
150	For 100% KF, at 1253 K, the departure from the recommended data set is +50%.
151	Comparison with the recommended data set for KF (0.0% ZrF_4) at 1253 K, indicates that the results are approx. 52% too high.
152	For 100% $NaNO_2$, the departures from the recommended data set are: 570 K, +0.3%, 610 K, -0.3%.
153	For 100% KNO_2, the departures from the recommended data set are: 720 K, -5.6%, 740 K, -6.4%.
154	For 100% $LiClO_4$, the results have been advanced elsewhere as the recommended data set.

Table 2.4.b Viscosity data reliability statements (continued)

Number	Reliability estimates
155	For 100% KNO_3, the departures from the recommended data set are: 620 K, -0.4%, 700 K, -1.5%.
156	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, +4.1%, 650 K, +3.7%.
157	For 100% KNO_3, the departures from the recommended data set are: 630 K, -1.5%, 690 K, -0.3%.
158	For 100% KNO_3, the departures from the recommended data set are: 620 K, -0.4%, 700 K, -1.5%.
159	For 100% $NaNO_3$, the departures from the recommended data set are: 600 K, -0.4%, 720 K, 0.0%.
160	For 100% KNO_3, the departures from the recommended data set are: 630 K, -1.5%, 690 K, -0.3%.
161	For 100% $RbNO_3$, the departures from the recommended data set are: 600 K, 0.0%, 700 K, 0.0%, i.e.: exact accord.
162	For 100% KNO_3, the departures from the recommended data set are: 630 K, -1.5%, 690 K, -0.3%.
163	For 100% KNO_3, the departures from the recommended data set are: 613 K -2.2%, 693 K 1.0%.
164	For 100% KOH, the results have been advanced elsewhere as the recommended data set.
165	For 100% KPO_3, the results have been advanced as the recommended data set.
166	For 100% V_2O_5 at 1111 K, the departure from the recommended data set is -8.4%.
167	For 100% V_2O_5 at 1111 K, the departure from the recommended data set is +5.6%.
168	Measurements were extended to include NaCl. Comparison with the recommended NaCl data base shows excellent agreement (i.e., ± 1%).
169	For 100% Li_2CO_3, the departures from the recommended data set are: 1020 K, +33%, 1170 K, +26%.
170	For 100% Na_2CO_3, at 1160 K, the departure from the recommended data set is -0.8%.
171	For 100% K_2CO_3, at 1190 K, the departure from the recommended data set is +0.7%.
172	For 100% K_2TiF_6, the results have been advanced elsewhere as the recommended data set.
173	For 100% NaCl, the departures relative to the recommended data set are: 1090 K, +32%, 1140 K, +36%.
174	For 100% K_2ZrF_6, the results have been advanced elsewhere as the recommended data set.
175	For 100% $Na_2B_4O_7$, the results have been advanced as the recommended data set.
176	For 100% $LaCl_3$, the results have been advanced elsewhere as the recommended data set.
177	For 100% $LaCl_3$, the departures from the recommended data set are: 1190 K, -0.6%, 1240 K, -3.4%.
178	For 100% $MgCl_2$, the departures from the recommended data set are: 1010 K, +4.4%, 1130 K, +1.9%.
179	For 100% LiCl, the departures from the recommended data set are: 930 K, 13.9%, 1020 K, 10.6%.
180	For 100% RbCl, the departures from the recommended data set are: 1023 K 3.7%, 1113 K 3.8%.
181	For 100% LiCl, the departures from the recommended data set are: 893 K +15.6%, 1083 K -1.5%.
182	For 100% $ZnCl_2$, the results have been advanced elsewhere as the recommended data set.
183	For 100% LiCl, the departures from the recommended data set are: 910 K, -40%, 1090 K, -32%.
184	For 100% $LiClO_3$, the results have been advanced elsewhere as the recommended data set.
185	For 100% $LiNO_3$, the departures from the recommended data set are: 540 K, +4.5%, 650 K, +3.5%.
186	For 100% $LiClO_4$, the results have been advanced elsewhere as the recommended data set.
187	For 100% $NaNO_3$, the departures from the recommended data set are: 580 K, 0.0%, 720 K, -1.9%.
188	For 100% $LiClO_4$, the results have been advanced as the recommended data set.
189	Comparison with the recommended data sets for both NaF and LiF indicates that the results are approx. 18% too high.
190	For 100% LiF, the departures from the recommended data set are: 1180 K, +25%, 1320 K, +18%.
191	Comparison with the recommended data sets for both LiF and RbF, indicates that the results are about 18% too high.
192	Comparison with the recommended data set for LiF, indicates that the results are about 17% too high.
193	For 100% $LiNO_3$, the departures from the recommended data set are: 540 K, +4.5%, 650 K, +3.5%.
194	For 100% $NaNO_3$, the departures from the recommended data set are: 550 K, -0.6%, 670 K, -0.7%.
195	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, +4.1%, 650 K, +3.7%.
196	For 100% $RbNO_3$, the departures from the recommended data set are: 600 K, 0.0%, 700 K, 0.0%, i.e.: exact accord.
197	For 100% $LiNO_3$, the departures from the recommended data set are: 550 K, +4.1%, 650 K, +3.7%.
198	Measurements were extended to include 100% NaCl. Comparison with the recommended NaCl data set shows the agreement is within 1%.
199	For 100% Na_2CO_3, at 1160 K, the departure from the recommended data set is -0.8%.
200	For 100% Li_2CO_3, the departures from the recommended data set are: 1020 K, +33%, 1170 K, +26%.
201	For 100% Na_3AlF_6, the departures from the recommended data set are: 1320 K, +7.0%, 1390 K, -9.2%.
202	For 100% NaCl, compared with the recommended data set, the value at 1073 K is about 15% too high.
203	For 100% $MgCl_2$, the departures from the recommended data set are: 1023 K, +2%, 1073 K, 0.0%.
204	For 100% Na_3AlF_6, the departures from the recommended data set are: 1273 K, +1.7%, 1323 K, +1.8%.

Table 2.4.b Viscosity data reliability statements (continued)

Number	Reliability estimates
205	Comparison with the recommended data set for NaF indicates that the results may be approx. 18% too high.
206	For 100% $NaBF_4$, the results have been advanced as the recommended data set.
207	For 100% NaCl, the departures from the recommended data set are: 1083 K, +30%, 1143 K, +29%.
208	For 100% NaBr, the departures from the recommended data set are, respectively: 1083 K, 28%, 1143 K, 34%.
209	For 100% NaF, at 1273 K, the departure from the recommended data set is -2.7%.
210	For 100% $NaNO_3$, the departures from the recommended data set are: 580 K, +2.0%, 720 K, -0.6%.
211	For 100% NaOH, the departure from the recommended data set falls within the estimated accuracy limits (± 5%).
212	For 100% Na_2SO_4, at 1173 K, the departure from the recommended data set is -47%. For 100% NaCl, at 1173 K, the departure from the recommended data set is +38%.
213	For 100% NaCl, the departures from the recommended data set are: 1090 K, +32%, 1210 K, +26%.
214	For 100% $NaClO_3$, the results have been advanced as the recommended data set.
215	For 100% $NaNO_3$, the departures from the recommended data set are: 580 K, 0.0%, 720 K, -1.9%.
216	For 100% $NaPO_3$, at 1173 K, the departure from the extrapolated value from the recommended data base is +250%.
217	Comparison with the recommended data set for NaF, indicates that the results are approx. 18% too high.
218	For 100% $RbNO_3$, the departures from the recommended data set are: 600 K, 0.0%, 700 K, 0.0%, i.e.: exact accord.
219	For 100% $NaNO_3$, the departures from the recommended data set are: 600 K, -0.4%, 740 K, 0.0%.
220	For 100% NaOH, the results have been advanced as the recommended data set.
221	For 100% $Na_2B_4O_7$, at 1223 K, the departure from the recommended data set is +16.5%.
222	For 100% $NaPO_3$ at 1223 K, the value is virtually in exact agreement with the extrapolated result from the recommended data set.
223	For 100% $Na_4P_2O_7$, the results have been advanced as the recommended data set.
224	For 100% $NaPO_3$, the departures from the recommended data set are: 1020 K, +8%, 1200 K, +42% (extrapolated).
225	For 100% V_2O_5, the results have been advanced as the recommended data set.
226	For 100% $NaVO_3$, the results have been advanced as the recommended data set.
227	For 100% $Na_2B_4O_7$, the departures from the recommended data set are: 1130 K, +80%, 1220 K, +100%.
228	Measurements were extended to include 100% NaCl. Comparison with the recommended NaCl data set shows the agreement is within 1%.
229	For 100% Na_2SO_4 at 1273 K, the departure from the recommended data set is -35%.
230	For 100% $Na_4P_2O_7$, the departures from the recommended data set are: 1310 K, +99%, 1350 K, +82%.
231	While there is insufficient information for accuracy estimates, the results may be taken as reliable.
232	While there is insufficient information for accuracy estimates, the results may be taken as reliable.
233	While there is insufficient information for accuracy estimates, the results may be taken as reliable.
234	While there is insufficient information for accuracy estimates, the results may be taken as reliable.
235	While there is insufficient information for accuracy estimates, the results may be taken as reliable.
236	While there is insufficient information for accuracy estimates, the results may be taken as reliable.
237	While there is insufficient information for accuracy estimates, the results may be taken as reliable.
238	While there is insufficient information for accuracy estimates, the results may be taken as reliable.
239	While there is insufficient information for accuracy estimates, the results may be taken as reliable.
240	For 100% $PbCl_2$, the results have been advanced as the recommended data set.
241	For 100% $PbBr_2$, the results have been advanced as the recommended data set.
242	For 100% $SbCl_5$, the results have been advanced as the recommended data set.
243	For 100% $SbCl_3$, the results have been advanced as the recommended data set.
244	For 100% $TiCl_4$, the results have been advanced as the recommended data set.
245	For 100% $SnCl_4$, the departures from the recommended data set are: 293 K, -0.49%, 333 K, -0.14%.
246	For 100% TlCl, the departures from the recommended data set are: 770 K, +4.4%, 1040 K, +1.1%.
247	For 100% TlBr, the departures from the recommended data set are: 760 K, -3.5%, 990 K, -9.0%.
248	For 100% TlI, the departures from the recommended data set are: 740 K, -4.5%, 960 K, -2.8%.
249	For 100% TlBr, the departures from the recommended data set are: 760 K, -3.5%, 990 K, -9.0%.

Table 2.4.c Viscosity data comments

Flag	Comment
a	The previous evaluation is correct and still holds as the recommended data base. Accuracy limits have been upgraded in light of the Molten Salts Standards Program.
b	The equation in the previous evaluation is incorrect.
c	There are new data but they do not change the recommended equation or uncertainty
d	There are new data and together with the results of the Molten Salts Standards Program, a shift from the previous evaluation is recommended. The new correlation equation is listed herewith.
f	The previously recommended data have been refitted to an exponential correlation function
g	The previous reported results were graphical, these correlations were digitized and refitted to the equations herewith.
k	Systems not included in the previous work.
l	Some of the numerical property values in the previous recommend data tables have been found to be incorrect. The correlation equations are correct.
m	The previously recommended correlation has been replaced by the polynomial herewith
n	The previously recommended data base has been refitted to a polynomial correlation equation.
o	These compositions are: Equivalent Percent.
z	The amounts of NaCl and KCl were fixed at the equi-molar ratio (1:1) throughout this series of measurements

Table 2.4.d Viscosity data references

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Table 2.5 Additional data

(mol %)	Equation	T range(K)	Accur.	Ref.	Comment
	Density ($g\ cm^{-3}$)				
	KF-LiF-NaF				
42.0-46.5-11.5	$d = 2.5793 - 6.237 \times 10^{-4}\ T$	940-1170	±2%	1	k
	Surface Tension ($mN\ m^{-1}$)				
	$KCl-YCl_3$				
0-100	$g = 138.6 - 0.0519\ T$	1048-1248	(1)	2	k
12.5-87.5	$g = 142.3 - 0.0557\ T$	1048-1248			k
25-75	$g = 142.5 - 0.0561\ T$	1123-1248			k
42-58	$g = 145.5 - 0.0581\ T$	1123-1248			k
60-40	$g = 153.2 - 0.0621\ T$	1123-1248			k
75-25	$g = 164.1 - 0.0678\ T$	1123-1248			k
87.5-12.5	$g = 172.2 - 0.0725\ T$	1123-1248			k
100-0	$g = 178.8 - 0.0758\ T$	1073-1248	(2)		k
	KF-LiF-NaF				
42.0-46.5-11.5	$g = 272.6 - 0.1014\ T$	770-1040	±2%	3	k
	YCl_3				
100	$g = 138.6 - 0.0519\ T$	1048-1248	±3%	2	k
	Conductance ($ohm^{-1}\ cm^{-1}$) ($R = 8.31441\ J\ K^{-1}\ mol^{-1}$)				
	KF-LiF-NaF				
42.0-46.5-11.5	$k = 7.805 \exp(-12936.20302/RT)$	790-1100	±5%	4, 5	k
	Viscosity ($mN\ s\ m^{-2}$) ($R = 8.31441\ J\ K^{-1}\ mol^{-1}$)				
	KF-LiF-NaF				
42.0-46.5-11.5	$v = 0.02487 \exp(37213.11858/RT)$	770-970	±2%	6	k

Reliability statements

1 For 100% YCl_3, the results have been advanced as the recommended data set.

2 For 100% KCl, the departures from the recommended data set are: 1090 K, +0.5%, 1190 K, +0.1%.

Flag	Comments
k	Systems not included in previous work

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