AEGLs, ERPGs, or Rev. 21 TEELs for Chemicals of Concern 2005

Introduction

This document is Revision 21 (DKC-05-0002, September 14, 2005) of a list that provides Protective Action Criteria (PACs) for chemicals of concern. The accompanying tables now include all chemicals for which Final or interim Acute Exposure Guideline Levels (AEGLs), and Emergency Response Planning Guidelines (ERPGs) have been published to date[1], as well as Temporary Emergency Exposure Limits (TEELs). PAC values are provided for 2947 chemicals. **The temporary emergency exposure limits are always subject to change**, being replaced by AEGLs or ERPGs when values are published for new chemicals, and updated when different concentration-limit (e.g., PELs or TLVs) or toxicity data are published.

Table 1 is an alphabetical list of the chemicals substances and their Chemical Abstract Services Registry Numbers (CASRNs), as well as some of their physical constants.

Table 2 is an alphabetical list of the AEGLs, ERPGs and TEELs for these chemicals. Values are given in parts per million (ppm) for gases and volatile liquids and in milligrams per cubic meter (mg/m^3) for particulate materials (aerosols) and nonvolatile liquids.

Table 3 is a list of TEELs sorted by Chemical Abstract Services Registry Number (CASRN) in the same units (ppm or mg/m^3) as Table 2.

Table 4 is an alphabetical list of the TEELs in mass per unit volume (mg/m^3) with the ppm to mg/m^3 conversion (carried out at 25°C and 760 mmHg) performed before rounding.

PAC values that have been changed since the last revision (Rev 20) are indicated in the last column of Table 2. Chemicals added since publication of “TEELs Rev 20” are indicated.

The DOE SCAPA-approved methodology[2] was used to obtain concentration-limit derived TEELs. Subsequently, published toxicity parameters from SAX[3] and RTECS[4] were used to derive TEEL-2 and TEEL-3 values for chemicals lacking concentration-limit hierarchy-based values, as documented in a Westinghouse Savannah River Company Technical Report (WSRC-TR-98-00080)[5] and in "Derivation of Temporary Emergency Exposure Limits (TEELs)"[6]. Several SCAPA-approved improvements to the TEEL-derivation methodology have been made since the above two documents were published (see Appendix 1). Hierarchy-based values are presented as given by the original source, but toxicity-based values are rounded down to powers of 10 of the bases 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6, or 7.5 (unless the derived value is within 5% of the limit above it, e.g., 290 is rounded to 300). Where applicable, conversion from ppm to mg/m^3 is made before rounding.

Further revisions of this document will be issued as warranted.

Hyperlinks to AEGLs published to date, and ERPGs adopted through the 2005 ERPG set, are on SCAPA's home page. http://www.orau.gov/emi/scapa/teels.htm. The published TEEL methodology[5,6] is also available at that same web address. The most recent revision of these tables may be found on DOE EH's Chemical Safety home page in both Adobe Acrobat format (.pdf) and as MS Excel tables http://tis-hq.eh.doe.gov/web/chem_safety/ under “Site Map”, then “Chemical Management Tools”.

Suggestions for improvement of this document, for chemicals to be added to the list, to the format, and other comments, are welcome. All chemicals for which TEELs are derived will be

added to the list. Anyone deriving TEELs for chemicals not on the "TEELs Rev 21" list using the published methodology is asked to send these to craigdk@earthlink.net or craigdk@comcast.net.

Notes for Tables

The Tables in this document are derived from an Excel Workbook. This has been considerably modified from that described in detail in reference 5, in that nearly all the Excel functions used to automatically calculate TEELs have been replaced by Visual Basic macros. This change reduced the size of the file by a factor of about five, and made the process of adding new chemicals to the list much simpler.

Chemicals whose names are boldface are chemicals for which there are official AEGLs and/or ERPGs. "Added" means that the chemical has been added since "TEELs Rev 20". If a PAC value (AEGL, ERPG, or TEEL) has been changed in "TEELs Rev 21" from previously published values, the affected values are indicated in the last column of Table 2. Changes from previous TEEL Revisions are usually the consequence of the correction or addition of data and rigid adherence to the above automated methodology[5,6], any deviation from which is indicated (see Appendix 1). The physicochemical data given in these tables is extracted from various sources, not all of which are in agreement with each other. However, the differences are not usually large enough to be of concern in the conduct of safety analyses. All molecular weights (MW) are given to two decimal places. The primary sources of these data are references 3 (SAX), 4 (ChemBank), 7, and 8.

The method for handling simple asphyxiants has been changed, as detailed in Appendix 2.

Abbreviations used are defined on pages (i) and (ii) of this document. **Hierarchy-based TEEL values** are obtained by strict application of the methodology (described in references 2, 5 and 6) except as noted below or indicated on Table 2.

Information pertinent to the derivation of hierarchy-based TEEL values:

Permissible exposure limits (PEL)[9] used in earlier revisions of this document were vacated by Court order. Although these vacated values, adopted in 1989 (29 CFR 1910.1000-1910.1200, as of July 1, 1992) are more credible than the 1968 ACGIH TLV values to which the vacated PEL values reverted, they are no longer published in the Federal Register. Most OSHA (PEL), ACGIH (TLV)[10] and NIOSH (REL)[7] values used are taken from the "Guide to Occupational Exposure Values - 2005"[11], compiled by the American Conference of Governmental Industrial Hygienists. This publication also no longer lists vacated PEL values. WEEL[1] values are AIHA Workplace Environmental Exposure Level Guides TWA, STEL or C; "DFG[11]" represents concentration limits adopted by the Federal Republic of Germany.

For particulate materials, limits (in mg/m^3) are for total dust, even though limits are sometimes also given for the respirable fraction;

PNOS = Particulates Not Otherwise Specified. This TLV-TWA value is for total dust, and the respirable fraction is assumed to be 30% of total concentration;

For substances that are in particulate form, all TEEL values have been reduced to a maximum value of 500 mg/m^3. This concentration constitutes an upper bound for a stable cloud of

respirable dust. The reason for this is that the coagulation rate of particles is a function of the square of the **number** concentration. Higher concentrations are unstable;

Values are restricted by the hierarchy-based TEEL for the next higher category, e.g., TEEL-1 is restricted by the TEEL-2 so that **TEEL-0 ≤ TEEL-1 ≤ TEEL-2 ≤ TEEL-3**;

In a few instances, where the IDLH value for a chemical was less than a well-documented TEEL-2 value, the IDLH was not used as the TEEL-3. The IDLH documentation is not as rigorous as that for the 60-minute EEGL or TLV-C values;

For a few chemicals whose "official" ERPG-1 value was odor-based rather than toxicity-based, the TEEL-1 value was adjusted to the PEL-STEL, TLV-STEL, or 3 x TLV-TWA value. Where applicable, this is indicated in the last column of Table 2;

Some concentration limit-based TEEL-0 and TEEL-1 values are restricted by a PEL-C or TLV-C value, i.e., TEEL-0 ≤ TEEL-1 ≤ PEL-C or TLV-C;

In the absence of other concentration limits or appropriate toxicity data for a chemical, a few values are based on British, Finnish, Russian or other guidelines[12];

The usual order of use of toxicity data for TEEL-2 and/or TEEL-3 is subordinate to human toxicity data for a particular chemical;

In the absence of both concentration-limit and toxicity based TEEL values, the following default ratios have been used:

TEEL-0 = (TEEL-1)/3
if there is a TEEL-1;

TEEL-1 = (TEEL-0) x 3
if there is a concentration-limit based TEEL-0, and no PEL-, TLV-, WEEL-, or other STEL;

TEEL-1 = (TEEL-2)/7
if there is a toxicity-based TEEL-2.
This is based on the mean ratio of existing ERPG-2s to ERPG-1s;

TEEL-2 = (TEEL-0) x 5
if there is a concentration-limit based TEEL-0 and no STEL or C;

TEEL-2 = (TEEL-3)/ 5
if there is either a concentration-limit or a toxicity-based TEEL-3.
This is based on the mean ratio of existing ERPG-3s to ERPG-2s;

TEEL-3 = (TEEL-2) x 5
if there is either a concentration-limit or a toxicity-based TEEL-2;

A few values depart from the usual guidelines, and are estimates based on existing concentration limits (at other TEEL values) and/or a comparison with similar chemicals and/or a review of available toxicity data. For example, the TEEL-3 value for 1-Bromo-3-chloro-5,5-dimethylhydantoin is estimated from the toxicity-based TEEL-3 for 3-Bromo-1-chloro-5,5-dimethylhydantoin;

In a few instances, the toxicity-based TEELs were significantly **greater** than the concentration-limit based values and the latter (e.g., some TEEL-2s based on REL-Cs) were ignored. All TEELs other than concentration-limit based values are rounded.

Further Information

Because of its length (nearly 800 pages), "TEELs Rev 21" is not available as a bound hard copy document. Contact Douglas K. Craig for further information, at (386) 304-2524 (Nov. – April), (609) 296-1639 (May - October), (803) 599-4018 (cell), or by e-mail at either craigdk@earthlink.net (preferred in winter) or craigdk@comcast.net (summer only) or the SCAPA web site~~,~~

References:

1. The AIHA 2005 Emergency Response Planning Guidelines and Workplace Environmental Exposure Level Guides Handbook. AIHA Press, Fairfax, Virginia (2005/latest edition).

2. Craig, D.K., J.S. Davis, R. DeVore, D.J. Hansen, A.J. Petrocchi, and T.J. Powell. Alternative Guideline Limits for Chemicals without ERPGs. *Amer. Ind. Hyg. Assoc. J*. 56, 919-925 (1995).

3. Lewis, R.J., Sr.: Sax's Dangerous Properties of Industrial Materials, 11th Edition, John Wiley & Sons, New York, (2005/latest edition. This publication is now available as a CD ROM, now from Wiley Environmental Science).

4. CHEM-BANK ™ (June 2005, updated quarterly) Databanks of potentially hazardous chemicals: RTECS® – U.S. Department of Health and Human Services (NIOSH) Compact disc Vol. Id:RT36. PP-0018-0073 (SilverPlatter). This CD also includes other data bases, all of which have been scanned for pertinent data if necessary. These include: OHMTADS, TSCA and IRIS – US Environmental Protection Agency; CHRIS – U.S. Department of Transportation (Coast Guard); HSDB – U.S. Library of Medicine; NPG – U.S. National Institute for Occupational Safety and Health (NIOSH), and ERG2004 (Transport Canada, U.S. DOT, Secretariat of Transport/Communications [Mexico]).

5. Craig, D.K. and C. Ray Lux: WSRC-TR-98-00080. Methodology for Deriving Temporary Emergency Exposure Limits (TEELs) (U). Westinghouse Savannah River Company, Aiken, SC (1998).

6. Craig, D.K., J.S. Davis, D.J. Hansen, A.J. Petrocchi, T.J. Powell, and T.E. Tuccinardi, Jr. Derivation of Temporary Emergency Exposure Limits. *J. Appl. Toxicol.* 20, 11-20 (2000).

7. NIOSH Pocket Guide to Chemical Hazards: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control (June 1990). A revised "Guide" was issued in June 1997, and the latest version is included in Ref. 4 above.

8. Lewis, R.J., Sr.: Hawley's Condensed Chemical Dictionary, 14th Ed. John Wiley & Sons, New York, (2001). This publication is available as a CD ROM.

9. Code of Federal Regulations, Title 29 – Labor, Part 1910.1000, Occupational Safety and Health Administration, Air Contaminants, Subpart Z: Toxic and Hazardous Substances. Tables Z-1, Z-2 and Z-3 (July 2005/latest edition).

10. 2005 TLVs^{R} and BEIs^{R} Threshold Limit Values for Chemical Substances and Physical Agents: The American Conference of Governmental Industrial Hygienists (ACGIH), Cincinnati, OH (2005/latest edition)

11. Guide to Occupational Exposure Values – 2005. Compiled by the American Conference of Governmental Industrial Hygienists, Cincinnati, OH (2005/latest edition).

12. Occupational Exposure Limits for Airborne Toxic Substances. Third Edition: Values of Selected Countries prepared from the ILO-CIS Data Base of Exposure Limits, International Labor Office, Geneva (1991).

Appendix 1: Changes to TEEL-derivation methodology approved by SCAPA membership ballot in November 2001

1. Many hierarchy concentration limits (e.g., PELs, TLVs and RELs) for compounds are listed "… as Xy", (e.g., Antimony and compounds, as Sb; Calcium chromate, as Cr; Silver, soluble compounds, as Ag). Intertox changed concentration limits by the ratio of the specific compound to the element for these chemicals, taking into account the compound formulae. This was surely the intent of OSHA, ACGIH, and NIOSH in listing concentration limits this way; it seems logical to incorporate this change in deriving concentration-limit hierarchy-based TEELs. For example, zirconium (Zr) has a molecular weight of 91.22, whereas the molecular weight of zirconium chloride ($Zr.Cl_4$) is 233.02. The ratio of these molecular weights is 2.55. This is the factor by which the concentration limits (e.g., PEL-TWA = 5 mg/m^3) for "Zirconium Compounds, as Zr" must be multiplied for $Zr.Cl_4$.
Therefore, it was recommended to "**Adjust PEL, TLV, REL, MAK and OEL TWA, STEL and C concentration limits by the compound to element ratio. This simplifies the application of TEELs, and ensures that inappropriate adjustments will not be made. Toxicity-based TEELs (t-Ts) are already compound-specific, so need no adjustment**".

2. TEEL-2 values are based on LOCs, or PEL, TLV, REL or WEEL ceiling (C) values, or on 5 x TLV-TWA, in order of availability. The ERPG-2 definition given below is frequently interpreted as the threshold concentration for serious or irreversible toxic effects. Concentration-limit based TEELs (HTs) are frequently much lower than the applicable toxicity data that are available for a chemical would indicate for this threshold. A partial resolution to this problem would be addition of a step to test for large differences between concentration-limit and toxicity-based TEEL-2 and TEEL-3 values.
Therefore, it was recommended to "**Test HTs based on PEL-C (15-minute regulatory limit for workers), TLV-C (well-documented 15-minute per day limit for workers), REL-Cs or 5 x TLV-TWAs against toxicity-based TEEL-2s (t-Ts by all routes of intake).**
If 10 < t-T to HT ratio < 100, then set TEEL-2 = HT x 10
If t-T to HT ratio > 100, then set TEEL-2 = HT x 100
The usual constraint that TEEL-2 ≤ TEEL-3 applies.
TEEL-3s are currently toxicity-based if there is no IDLH".

3. Existing Route Adjustment Factors (RAFs) are estimates, and were based on scientific judgment. It was, for example, assumed that intravenously (iv) injected compounds would be

quantitatively absorbed, so iv administration was assigned an RAF of 1, compared with 0.25 for orally (os) ingested or administered material. This means that it was assumed that four times as much compound needed to be ingested to elicit the same toxic response as the iv-administered compound. This issue was addressed by applying the existing TEEL-derivation methodology to all available acute toxicity data (i.e., for different routes of administration) for 90 chemicals for which ERPGs had been published at the time. To avoid interspecies differences, only rat data were used for this analysis. Rat oral LD_{50} data were used as the basis for comparison because of the relative abundance of such data. There were sufficient data for three common routes of administration in toxicity studies, namely intraperitoneal (ip), intravenous (iv), and dermal uptake (sk). These analyses showed that current RAFs (RAF-C) for three routes should be revised (RAF-R). Toxic compounds administered by these routes were not as effective relative to oral intake as originally assumed. Therefore, it was recommended to "**Adopt the revised RAFs, which are more soundly based than the existing RAFs**".

Appendix 2: TEELs for Simple Asphyxiants.

All simple asphyxiants are assigned TEEL values based upon oxygen concentration:
TEEL-0 = 60,000 ppm resulting in an O2 conc. of about 19.5%, which is OSHA's lower limit for confined space entry in 29 CFR 1915.12 (a)(2).
TEEL-1 = 145,000 ppm resulting in an O2 conc. of about 18% beginning to produce "decreased ability to work strenuously"
TEEL-2 = 280,000 ppm resulting in an O2 conc. of about 15% beginning to produce "impaired coordination, perception, and judgment" thereby beginning to deprive a person of the ability to protect himself/herself or perform self-rescue.
TEEL-3 = 500,000 ppm resulting in an O2 conc. of about 10% beginning to produce "unconsciousness" and then death.
However, should the chemical substance have a lower explosive limit (LEL) that is less than these values, TEELs are limited to the LEL.

Appendix 3: Other recent methodology changes.

Incorporation of 60-minute Acute Exposure Guideline Levels (AEGLs) as the first choice, ahead of ERPGs: Sixty-minute final and interim AEGLs have been inserted as the first choice for PACs. These have, therefore, replaced ERPGs at the top of the concentration-limit hierarchy for each hazard level. The title of this document and the tables has been changed to reflect this. The names and CASRNs of chemicals with AEGLs are bolded and in larger font than other chemicals on the list.

Lower Explosive Limits (LELs) were previously not considered. This and future revisions of these tables will flag values as follows:
10% LEL $\leq$ TEEL < 50% LEL bold green italics
50% LEL $\leq$ TEEL < 100% LEL bold pink italics underlined
TEEL $\geq$ LEL bold red italics double underlined.

Source of TEELs column added to Table 4. A brief summary of the data used to derive the PAC values for each listed chemical will be provided in this column. This column appears for the first time in Revision 21 and will be completed as time permits. All chemicals added to the list since the last revision, "TEELs Rev 20", will have this information.

Many chemicals have neither concentration-limit nor toxicity information upon which to base TEELs. Various default strategies have been used to derive TEELs for such chemicals.

Structure Activity Relationships (SAR) have been used to derive TEELs for many of these chemicals, as indicated in the "Source of TEELs" column.

For a few chemicals, TEELs have been based on the values for similar chemicals.

For chemicals that are solids or non-volatile liquids, a default TLV-TWA = 10 mg/m^3 for "Particulates Not Otherwise Specified" has been used as the basis of TEELs for those chemicals whose toxicity is dose-dependent only.

For gases and volatile liquids for which the health hazard rating (HHR, or HR in SAX) is available, the following default toxicity information has been used:

HHR = 1: Rat 240 min LC_{50} = 5000 ppm or rat oral LD_{50} = 20,000 mg/kg
HHR = 2: Rat 240 min LC_{50} = 500 ppm or rat oral LD_{50} = 2000 mg/kg
HHR = 3: Rat 240 min LC_{50} = 100 ppm or rat oral LD_{50} = 400 mg/kg

TEELs are dynamic, and change when Input data changes (e.g., AEGLs, ERPGs, PEL-TWAs, new acute toxicity). Inconsistencies or errors (often pointed out by users) are corrected as necessary. All changes from previous TEEL list revisions are indicated in the TEEL tables. Adoption of these changes bolsters scientific credibility of TEELs.

Definition of TEELs:

TEELs are intended for use until Acute Exposure Guideline Levels (AEGLs), Emergency Response Planning Guidelines (ERPGs) are adopted for chemicals. With the exception of the recommended averaging time, TEELs 1, 2, and 3 have the same definitions as the equivalent ERPG. These are:

ERPG-1 The maximum concentration in air below which it is believed nearly all individuals could be exposed for up to one hour without experiencing other than mild transient adverse health effects or perceiving a clearly defined objectionable odor.

ERPG-2 The maximum concentration in air below which it is believed nearly all individuals could be exposed for up to one hour without experiencing or developing irreversible or other serious health effects or symptoms that could impair their abilities to take protective action.

ERPG-3 The maximum concentration in air below which it is believed nearly all individuals could be exposed for up to one hour without experiencing or developing life-threatening health effects.

Temporary Emergency Exposure Limits (TEELs)

TEEL-0 The threshold concentration below which most people will experience no adverse health effects.

TEEL-1 Same as ERPG-1

TEEL-2 Same as ERPG-2

TEEL-3 Same as ERPG-3

It is recommended that for application of TEELs, concentration at the receptor point of interest be calculated as the peak fifteen-minute time-weighted average concentration. It should be emphasized that TEELs are default values, following the published methodology explicitly. The only judgment involved is that exercised in the extraction of data used to calculate the recommended TEELs.

Key to Abbreviations

abs – absolute
ACGIH - American Conference of Governmental Industrial Hygienists
af - atomic formula
AIHA - American Industrial Hygiene Association
alc - alcohol
alk - alkaline
amorph - amorphous
anhyd -anhydrous
approx - approximately
aq -aqueous
at, atm - atmosphere
autoign – auto-ignition
aw - atomic weight
BEI - ACGIH Biological Exposure Indexes
BP, bp - boiling point
b range - boiling range
CASRN - Chemical Abstracts Service Registry Number
cc - cubic centimeter
CC - closed cup
CL - ceiling concentration
COC - Cleveland open cup
conc - concentration, concentrated
compd(s) - compounds
contg - containing
cryst, crys - crystal(s), crystalline
d - density
D - day(s)
decomp, dec - decomposition
deliq - deliquescent
dil - dilute
DOT - U.S. Department of Transportation
EPA - U.S. Environmental Protection Agency
ERPG - Emergency Response Planning Guidelines of the AIHA
eth - ether
expls - explodes
(F) - Fahrenheit
FCC - Food Chemical Codex
FDA - U.S. Food and Drug Administration
fibrs - fibers
flam - flammable
flash p - flash point
FP, fp - freezing point
g, gm. - gram
glac - glacial
gran - granular, granules
hygr - hygroscopic
H, hr - hour(s)
HR - Hazard Rating (SAX)
htd - heated
htg - heating
IARC - International Agency for Research on Cancer
immisc - immiscible
incomp - incompatible
insol - insoluble
IU - International Unit
kg - kilogram (one thousand grams)
L,I - liter
LEL, lel - lower explosive limit
liq - liquid
M - minute(s)
m^3 - cubic meter
mf - molecular formula
mg - milligram
misc - miscible
μ, u - micron
mL, ml - milliliter
mm. - millimeter
mmHg - pressure in millimeters of mercury
mod - moderately
MP, mp - melting point
mppcf - million particles per cubic foot
MW, mw - molecular weight
ng - nanogram
NIOSH - National Institute for Occupational Safety and Health
nonflam - nonflammable
NTP - National Toxicology Program
OBS - obsolete
OC - open cup
org - organic
OSHA-Occupational Safety and Health Aministration
Pa - Pascals

Key to Abbreviations (cont.)

PEL - permissible exposure level
petr - petroleum
pg - picogram (one trillionth of a gram)
Pk - peak concentration
pmole - picomole
powd - powder
ppb - parts per billion (v/v)
pph - parts per hundred (v/v)(percent)
ppm - parts per million (v/v)
ppt - parts per trillion (v/v)
prep - preparation
press - under pressure
PROP - properties
Pwdr - powder
rhomb - rhombic
SAX Number - each chemical's identifying code as used in SAX3
SCAPA - Subcommittee on Consequence Assessment and Protective Actions
S, sec - second(s)
SAR – Structure Activity Relationships
Si, sit, sitly - slightly
SG - specific gravity
sol - soluble
soln - solution
solv(s) - solvent(s)
spont - spontaneously
STEL - short term exposure limit
subl - sublimes
TCC - Tag closed cup
tech - technical
TEEL - Temporary Emergency Exposure Limits
temp - temperature
μ, u - micron
TLV - Threshold Limit Value
TOC - Tag open cup
TWA - time weighted average
U, unk - unknown, unreported
UEL, uel - upper explosive limit
μg, ug - microgram
ULC, ulc -Underwriters Laboratory Classification
USDA - U.S. Department of Agriculture
vac - vacuum
vap -vapor
vap d - vapor density
Vapor Press, vap press - vapor pressure
Vol - volume
visc - viscosity

vsol - very soluble
W - week(s)
Y - year(s)
% - percent(age)
> - greater than
< - less than
< = - equal to or less than
> = equal to or greater than
° - degrees
°C - temperature in Celsius (Centigrade)
(F), °F - temperature in Fahrenheit

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1	Acacia; (Gum Arabic)	9000-01-5	200	500	500	500	mg/m3	
2	Acenaphthene; (1,3-Acenaphthalene)	83-32-9	0.4	1.25	7.5	250	mg/m3	See LEL formatting note.
3	Acenaphthylene	208-96-8	0.06	0.2	1.25	500	mg/m3	
4	**Acetaldehyde**	**75-07-0**	10	10	200	1000	ppm	**ERPG-1, -2, -3.** See LEL formatting note.
5	Acetamide	60-35-5	25	75	500	500	mg/m3	See LEL formatting note.
6	Acetanilide	103-84-4	0.4	1	7.5	50	mg/m3	Added.
7	**Acetic acid**	**64-19-7**	5	5	35	250	ppm	**ERPG-1, -2, -3** See LEL formatting note.
8	Acetic acid ethenyl ester; (Polymer with 1,1-bis(ethenyloxy)butane and ethenol)	27360-07-2	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit or pchem data found.
9	Acetic acid, 2-propenyl ester	591-87-7	0.5	1.5	10	50	ppm	See LEL formatting note.
10	Acetic acid, lithium salt	546-89-4	12.5	35	250	500	mg/m3	Added.
11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	0.75	2.5	20	500	mg/m3	Added.
12	Acetic acid, manganese(II) salt (2:1)	638-38-0	0.6	7.5	15	500	mg/m3	Added.
13	Acetic Anhydride	108-24-7	5	5	5	200	ppm	See LEL formatting note.
14	**Acetone**	**67-64-1**	200	200	***3200***	***5700***	ppm	**Interim AEGL-1, -2, -3.** A Ts changed. See LEL formatting note.
15	Acetone thiosemicarbazide	1752-30-3	20	60	100	100	mg/m3	
16	Acetonitrile	75-05-8	40	60	60	500	ppm	See LEL formatting note.
17	Acetophenone	98-86-2	10	30	50	350	mg/m3	See LEL formatting note.
18	Acetoxytriphenylstannane	900-95-8	0.35	0.6	20	50	mg/m3	
19	Acetyl bromide	506-96-7	0.2	0.6	4	20	ppm	
20	Acetyl chloride	75-36-5	0.0025	0.0075	0.05	125	ppm	
21	Acetylaminofluorene, 2-	53-96-3	0.25	0.75	6	30	mg/m3	
22	Acetylaminofluorenone, 2-	3096-50-2	0.75	2.5	15	75	mg/m3	
23	Acetylene	74-86-2	***2500***	***2500***	***2500***	***6000***	ppm	See LEL formatting note.
24	**Acrolein**	**107-02-8**	0.03	0.03	0.1	1.4	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts changed. See LEL formatting note.
25	Acrylamide	79-06-1	0.3	0.3	60	60	mg/m3	
26	**Acrylic acid**	**79-10-7**	1.5	1.5	46	180	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts Changed. See LEL formatting note.

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
27	Acrylic acid polymers; (Acrylic polymer or resin)	9003-01-4	10	30	200	500	mg/m3	
28	**Acrylonitrile**	**107-13-1**	2	10	35	75	ppm	**ERPG-1, -2, -3** See LEL formatting note.
29	Acrylyl chloride; (Acryloyl chloride)	814-68-6	0.05	0.15	0.25	10	ppm	
30	Adipic acid	124-04-9	5	5	5	125	mg/m3	See LEL formatting note.
31	Adiponitrile	111-69-3	2	3.85	4	150	ppm	See LEL formatting note.
32	Agar	9002-18-0	500	500	500	500	mg/m3	
33	Agarose, type VII (low gelling temperature)	9012-36-6	10	30	50	250	mg/m3	
34	Alamine 336	68814-95-9	20	60	500	500	mg/m3	Added. No pchem data found
35	Albumin (bovine)	9048-46-8	150	500	500	500	mg/m3	RTECS, MERCK list Albumin (human) rather than "bovine"
36	Alcohol oxidase	9073-63-6	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit or pchem data found.
37	Alcohols, C6-C12 (N.O.S.)	68603-15-6	10	30	50	250	mg/m3	
38	Aldrin; (1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo,exo-5,8-dimethanonaphthalene)	309-00-2	0.25	0.75	10	25	mg/m3	Names switched, synonym corrected.
39	Aldrithiol	2127-03-9	10	30	50	250	mg/m3	Not found in databases
40	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4	30	75	500	500	mg/m3	
41	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	977044-01-1	2	6	40	200	mg/m3	
42	Alkyd resins and rosin	66070-62-0	10	30	50	250	mg/m3	
43	Alkyl benzenes (C8-C9)	68515-28-3	10	30	50	250	mg/m3	
44	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5	7.5	20	100	100	mg/m3	
45	Alkylamines (includes nitrogen mustard, triethylmelamine, etc.)	63231-48-1	10	30	50	250	mg/m3	
46	Alkylbenzene (C10-C16)	68648-87-3	10	30	50	500	mg/m3	
47	Allene; (1,2-Propadiene)	463-49-0	40	125	750	***4000***	ppm	See LEL formatting note.
48	**Allyl alcohol**	**107-18-6**	2	2.1	4.2	20	ppm	**Interim AEGL-2, -3** T-1, 2 changed. See LEL formatting note.
49	Allyl Bromide; (3-Bromopropene)	106-95-6	4	12.5	75	400	ppm	See LEL formatting note.
50	**Allyl chloride**	**107-05-1**	1	3	40	300	ppm	**ERPG-1, -2, -3** See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
51	**Allylamine**	**107-11-9**	0.125	0.42	3.3	18	ppm	**Interim AEGL-1, -2, -3** A Ts changed. See LEL formatting note.
52	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	125	350	500	500	mg/m3	Added. HSDB & TSCA listed SAX, RTECS, TSCA CASRN 98-55-5, RTECS & HC&P CASRN = 2438-12-2
53	Alphahydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3	15	50	350	500	mg/m3	Added. TSCA listed, no toxicit data. Used normal Mandelic ac (CAS 90-64-2) data.
54	Aluminon	569-58-4	0.0004	0.001	0.0075	500	mg/m3	
55	Aluminum (powder)	7429-90-5	15	30	50	250	mg/m3	
56	Aluminum acetate, basic	7360-44-3	7.5	25	40	200	mg/m3	Added. TSCA listed, TSCA MF MW calculated, no toxicity data
57	Aluminum carbide	1299-86-1	2.5	7.5	12.5	60	mg/m3	
58	Aluminum chloride	7446-70-0	10	10	50	500	mg/m3	
59	Aluminum chloride hexahydrate	7784-13-6	15	25	75	500	mg/m3	
60	Aluminum fluoride	7784-18-1	6	6	7.5	40	mg/m3	
61	Aluminum grey; (Chromium compound; Acid black 60)	12218-95-0	7.5	25	40	400	mg/m3	no Al in MF
62	Aluminum hydroxide	21645-51-2	1.5	4.5	125	125	mg/m3	T-0, T-1 changed.
63	Aluminum oxide hydrate	1333-84-2	15	30	50	250	mg/m3	Added. Found MF in NIH Chemical Information SIS, MW calculated for x = 2(H2.O)
64	Aluminum oxide; (Aluminum powder; Alumina)	1344-28-1	15	15	15	25	mg/m3	
65	Aluminum phosphate solution	13530-50-2	20	60	100	500	mg/m3	Added. TSCA listed, no toxicit data.
66	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7	7.5	22.5	37.5	500	mg/m3	
67	Aluminum phosphide	20859-73-8	10	10	20	20	mg/m3	T-0, T-1 changed.
68	Aluminum potassium sulfate	10043-67-1	20	60	100	500	mg/m3	
69	Aluminum potassium sulfate, dodecahydrate	7784-24-9	35	100	150	500	mg/m3	
70	Aluminum sulfate	10043-01-3	12.5	35	60	500	mg/m3	
71	Aluminum yellow 4A; (Chromium compound; Acid yellow 39)	10343-58-5	1.5	5	7.5	75	mg/m3	All Ts changed. No Al in MF

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
72	Aluminum(III) isopropylate	555-31-7	15	40	75	500	mg/m3	Added. SAX, RTECS, H&N, ChemFinder MF used, differs from HSDB and TSCA
73	Aluminum(III) nitrate (1:3)	13473-90-0	15	45	75	500	mg/m3	
74	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	25	25	125	500	mg/m3	
75	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	6	15	30	150	mg/m3	
76	Amberlite	37380-43-1	10	30	50	200	mg/m3	Not listed, used Amberlite-LA- CASRN = 12642-13-6
77	Amberlite IR-120(PLUS) ion-exchange resin	78922-04-0	10	30	50	200	mg/m3	Not listed, used Amberlite-LA- CASRN = 12642-13-6
78	Amberlite IR-120plus; (Cation exchange resin)	9002-23-7	7.5	25	150	500	mg/m3	Added. Not found in database but several RTECS Amberlite I 120 compound listings. MSDS vp and HHR.
79	Amberlite IRA-400(Cl); (Amberlite IRA-400, ion-exchange resin)	9002-24-8	10	30	50	250	mg/m3	Added. Not found in databases MSDS pchem data.
80	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8	10	30	50	250	mg/m3	Added. Not found in database MSDS has no useful informatio
81	Amberlite MB-1 ion-exchange resin	100915-96-6	10	30	50	200	mg/m3	Not listed, used Amberlite-LA- CASRN = 12642-13-6
82	Amberlite XAD-16, -7, -4 resin	104219-63-8	10	30	50	200	mg/m3	Not listed, used Amberlite-LA- CASRN = 12642-13-6
83	Amberlite XAD-2 resin, purified	9060-05-3	10	30	50	200	mg/m3	Not listed, used Amberlite-LA- CASRN = 12642-13-6
84	Amberlite ZAD-16; (Nonionic polymeric absorbent)	9003-69-4	7.5	25	150	500	mg/m3	Added. TSCA listed, no toxicit data. MSDS HHR = 2.
85	Amberlyst 15 ion-exchange resin	9037-24-5	10	30	50	250	mg/m3	Not found in databases
86	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	3.5	10	75	400	mg/m3	All Ts changed.
87	Amino-1-propanol, 3-	156-87-6	0.015	0.04	0.3	500	mg/m3	Added.
88	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	25	75	500	500	mg/m3	Added. TSCA listed, MSDS toxicity data.
89	Amino-2-methyl-2-propanol, 1-	2854-16-2	10	30	200	500	mg/m3	
90	Amino-4,6-dinitrotoluene, 2-	35572-78-2	6	15	125	500	mg/m3	
91	Aminoanthraquinone, 2-	117-79-3	7.5	25	150	500	mg/m3	
92	Aminobenzoic acid, p-	150-13-0	4	12.5	100	500	mg/m3	Added.
93	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	2	6	45	45	mg/m3	
94	Aminodiphenyl, p-	92-67-1	0.5	1.5	10	200	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
95	Aminoethylpiperazine, n-	140-31-8	2.5	7.5	50	500	mg/m3	
96	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	0.06	0.15	1.25	6	ppm	
97	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data.
98	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	0.5	1.5	10	500	mg/m3	
99	Aminophenol, M-	591-27-5	1	3	20	125	mg/m3	Added.
100	Aminopropiophenone, 4-	70-69-9	1	3.5	5.6	75	mg/m3	
101	Aminopterin; (Aminopteridine)	54-62-6	5	15	25	25	mg/m3	.
102	Aminopyrazine	5049-61-6	0.5	1.5	2.5	5	ppm	**SAR**
103	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	4	12.5	20	20	mg/m3	.
104	Amiton oxalate	3734-97-2	0.6	1.5	3	3	mg/m3	
105	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	0.6	2	3.3	3.3	mg/m3	
106	Amitrole	61-82-5	0.2	0.6	100	500	mg/m3	
107	**Ammonia**	**7664-41-7**	25	30	160	1100	ppm	**Interim AEGL-2, -2, -3, ERPG -2, -3.** All Ts changed. See LE formatting note.
108	Ammonium acetate	631-61-8	2.5	7.5	50	250	mg/m3	
109	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	4	4	4	15	mg/m3	
110	Ammonium benzoate	1863-63-4	3.5	10	75	350	mg/m3	
111	Ammonium bicarbonate	1066-33-7	2	6	40	200	mg/m3	
112	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	0.025	0.075	0.5	2.5	mg/m3	All Ts changed.
113	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	10	10	10	10	mg/m3	
114	Ammonium bromide	12124-97-9	10	35	200	500	mg/m3	Added.
115	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	0.3	1	6	35	mg/m3	
116	Ammonium carbonate	506-87-6	0.75	2.5	15	75	mg/m3	
117	Ammonium chloride	12125-02-9	10	20	50	500	mg/m3	
118	Ammonium chromate	7788-98-9	0.05	0.1	0.1	15	mg/m3	
119	Ammonium citrate	7632-50-0	10	10	30	150	mg/m3	
120	Ammonium citrate tribasic	3458-72-8	10	30	50	250	mg/m3	Added. Not found in database MSDS pchem data.
121	Ammonium citrate, dibasic	3012-65-5	10	10	10	10	mg/m3	.
122	Ammonium dichromate (as Cr(VI))	7789-09-5	0.125	0.25	0.25	35	mg/m3	
123	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	15	50	350	500	mg/m3	
124	Ammonium ferrous sulfate hexahydrate	7783-85-9	1	3	5	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
125	Ammonium fluoborate	13826-83-0	3.5	3.5	6	20	mg/m3	
126	Ammonium fluoride	12125-01-8	5	5	5	12.5	mg/m3	
127	Ammonium formate	540-69-2	10	30	50	500	mg/m3	
128	Ammonium hexachlorohydrate (III)	z-0001	10	30	50	250	mg/m3	
129	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	4	10	20	30	mg/m3	
130	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	3.5	3.5	3.5	3.5	mg/m3	
131	Ammonium hydrogen oxalate hemihydrate	37541-72-3	7.5	25	150	500	mg/m3	Added. Not found in database ChemFinder MF, MW. MSDS HHR = 2.
132	Ammonium hydroxide (as NH3)	1336-21-6	25	35	40	100	ppm	Human LC lo added. T-2, T-3 changed.
133	Ammonium iodide	12027-06-4	4	12.5	75	400	mg/m3	All Ts changed.
134	Ammonium lactate	52003-58-4	10	30	50	250	mg/m3	
135	Ammonium lignin sulfonate	8061-53-8	10	30	50	250	mg/m3	
136	Ammonium molybdate	13106-76-8	10	30	50	150	mg/m3	
137	Ammonium molybdate	11098-84-3	3.5	3.5	6	500	mg/m3	Added. Also listed as CASRN 13106-76-8
138	Ammonium molybdate(VI) tetrahydrate	12054-85-2	15	15	30	150	mg/m3	T-3 changed.
139	Ammonium molybdophosphate	12026-66-3	7.5	25	40	200	mg/m3	
140	Ammonium nickel sulfate	15699-18-0	1.5	1.5	2.5	50	mg/m3	
141	Ammonium nitrate	6484-52-2	10	10	10	500	mg/m3	
142	Ammonium oxalate monohydrate	5972-73-6	1.5	4	30	150	mg/m3	This CASRN in H&N, with MW 125.08
143	Ammonium oxalate; (Ammonium oxalate hydrate)	6009-70-7	1.5	4	30	150	mg/m3	This name & CASRN in CHRI & OHMTADS
144	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	0.15	0.5	4	20	mg/m3	
145	Ammonium pentaborate	12007-89-5	10	30	50	250	mg/m3	
146	Ammonium perchlorate	7790-98-9	5	15	100	500	mg/m3	
147	Ammonium permanganate	13446-10-1	0.2	3	5	500	mg/m3	
148	Ammonium persulfate	7727-54-0	0.1	0.3	0.5	100	mg/m3	
149	Ammonium phosphate dibasic	7783-28-0	10	30	50	250	mg/m3	
150	Ammonium picrate	131-74-8	10	30	50	250	mg/m3	
151	Ammonium polyacrylate	9003-03-6	10	30	50	250	mg/m3	Added. TSCA listed, no toxici data, no MSDS, assumed soli
152	Ammonium sulfamate	7773-06-0	10	30	50	500	mg/m3	
153	Ammonium sulfate	7783-20-2	40	125	500	500	mg/m3	
154	Ammonium sulfide	12135-76-1	3.5	10	15	15	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
155	Ammonium sulfite	10196-04-0	10	10	10	10	mg/m3	
156	Ammonium sulfite monohydrate	7783-11-1	10	30	50	250	mg/m3	Added. HC&P listed, no toxici data found
157	Ammonium tartrate	14307-43-8	10	10	10	10	mg/m3	
158	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	1.5	5	40	200	mg/m3	
159	Ammonium tetraehyl bromide	71-91-0	1.25	4	30	40	mg/m3	Added.
160	Ammonium tetramethyl bromide; (Tetramethylammonium bromide)	64-20-0	0.2	0.6	4	20	mg/m3	Added.
161	Ammonium thiocyanate	1762-95-4	12.5	35	200	200	mg/m3	
162	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	10	30	50	500	mg/m3	
163	Ammonium tungstate(VI)	11120-25-5	1.25	4	6.25	6.25	mg/m3	Added. TSCA, HC&P listed., r toxicity data.
164	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	0.03	0.1	0.3	3.5	mg/m3	
165	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	0.035	0.1	0.75	150	mg/m3	
166	Amosite	12172-73-5	0.005	0.025	2.5	12.5	mg/m3	
167	Amphetamine; (Benzedrine)	300-62-9	4	12.5	20	20	mg/m3	
168	Amyl acetate	628-63-7	100	100	100	1000	ppm	See LEL formatting note.
169	Amyl alcohol; (1-Pentanol)	71-41-0	100	100	100	500	ppm	See LEL formatting note.
170	Amyl methyl ether, tert-; (TAME)	994-05-8	20	60	100	125	ppm	Added.
171	Amylamine, n-; (1-Pentylamine)	110-58-7	0.3	0.75	6	30	mg/m3	See LEL formatting note.
172	Anhydrone; (Magnesium perchlorate)	10034-81-8	10	15	50	500	mg/m3	
173	**Aniline**	**62-53-3**	5	8	12.5	20	ppm	**Final AEGL-1, -2, -3.** T-1 T-2, T-3 changed. See LE formatting note.
174	Anisidine, o-	90-04-0	0.5	1.5	2.5	50	mg/m3	
175	Anisidine, p-	104-94-9	0.5	1.5	2.5	50	mg/m3	
176	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	4	12.5	75	***400***	mg/m3	See LEL formatting note.
177	Anthracene	120-12-7	1.5	4	30	150	mg/m3	T-1, T-2, T-3 changed. See LE formatting note.
178	Anthracenedisulfonic acid, 2,6-; (Acid Blue 45; Alizarine Blue)	2861-02-1	12.5	35	250	500	mg/m3	
179	Anthranilic acid	118-92-3	4	12.5	75	500	mg/m3	Added.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
180	Anthraquinone	84-65-1	10	30	50	500	mg/m3	
181	Antimony	7440-36-0	0.5	1.5	25	50	mg/m3	
182	Antimony oxide	1309-64-4	0.6	1.5	3	60	mg/m3	
183	Antimony pentachloride	7647-18-9	1.25	3.5	6	125	mg/m3	
184	Antimony pentafluoride	7783-70-2	0.75	0.75	2.7	75	mg/m3	
185	Antimony pentasulfide	1315-04-4	0.75	2.5	4	75	mg/m3	
186	Antimony potassium tartrate trihydrate	28300-74-5	1.25	4	6	125	mg/m3	
187	Antimony trichloride	10025-91-9	0.75	0.75	0.75	75	mg/m3	
188	Antimony trifluoride	7783-56-4	0.75	0.75	3.75	75	mg/m3	T-1 changed.
189	Antimycin A	1397-94-0	0.35	1	1.8	12.5	mg/m3	
190	Antioxidant G-16 (most toxic antiox)	61373-87-3	10	30	50	125	mg/m3	
191	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	0.85	1.6	18	94.5	ppm	0.75 HCl+0.25 HNO3, MW fro H&N, all Ts changed.
192	Arginine, L-	74-79-3	10	30	50	250	mg/m3	
193	Argon	7440-37-1a	60000	145000	280000	500000	ppm	Simple asphyxiant (see Introduction)
194	Argon, cryogenic	7440-37-1b	60000	145000	280000	500000	ppm	As Ar, simple asphyxiant (see Introduction)
195	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic)	64742-95-6	500	750	750	750	ppm	See LEL formatting note.
196	Arsenic (& inorganic compounds)	1327-53-3	0.01	0.03	5	5	mg/m3	
197	Arsenic (organic compounds as As)	7440-38-2	0.5	1.5	2.5	350	mg/m3	
198	Arsenic acid	1327-52-2	0.015	0.05	0.75	50	mg/m3	
199	Arsenic acid; (o-arsenic acid)	7778-39-4	0.015	0.045	0.075	7.5	mg/m3	
200	Arsenic pentoxide	1303-28-2	0.015	0.045	7.5	7.5	mg/m3	
201	Arsenious acid	13464-58-9	0.015	0.045	1.4	7.5	mg/m3	
202	Arsenous trichloride	7784-34-1	0.025	0.075	1.35	12.5	ppm	
203	**Arsine**	**7784-42-1**	0.05	0.05	0.17	0.5	ppm	**ERPG-2, -3, final AEGL-: -3.** T-1, T-2, T-3 changec See LEL formatting note.
204	Asbestos	1332-21-4	0.005	0.5	0.5	2.5	mg/m3	
205	Asbestos (Chrysotile)	12001-29-5	0.005	0.5	50	250	mg/m3	
206	Ascaridole	512-85-6	0.75	2.5	20	75	mg/m3	T-0, T-1, T-2 changed.
207	Ascarite; (Asbestos, 1332-21-4)	81133-20-2	0.005	0.5	0.5	2.5	mg/m3	
208	Ascorbic acid	50-81-7	60	200	500	500	mg/m3	
209	Asphalt; (Bitumen)	8052-42-4a	0.5	0.75	5	25	mg/m3	See also Petroleum asphalt, SAX PCR500

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
210	Auramine; (4.4'-(Imidocarbonyl)bis(n.n-dimethylamine) monohydrochloride)	2465-27-2	10	30	50	60	mg/m3	Synonym name corected to match SAX.
211	Azaserine; (L-Serine, diazoacetate (ester))	115-02-6	0.0125	0.04	0.25	75	mg/m3	
212	Azinphos ethyl; (Ethyl guthion)	2642-71-9	0.75	2	4	150	mg/m3	
213	Azinphos methyl; (Guthion^{R})	86-50-0	0.2	0.6	0.7	10	mg/m3	
214	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	7.5	25	150	300	mg/m3	Added. RTECS toxicity data used.
215	Azodicarbamide; (Azodicarbonamide)	123-77-3	40	125	200	200	mg/m3	
216	Bacto peptone	51142-18-8	10	30	50	250	mg/m3	Added. Not found in database MSDS data.
217	Bacto-peptone	51142-18-8	10	30	50	250	mg/m3	Not found in databases. CASR changed from 118-01-8 base on NLM web site.
218	Barbituric acid	67-52-7	10	10	40	200	mg/m3	
219	Barium	7440-39-3	0.5	1.5	25	125	mg/m3	
220	Barium acetate; (Barium acetate anhydrous)	543-80-6	0.75	2.5	4	75	mg/m3	
221	Barium carbonate	513-77-9	0.3	0.75	6	500	mg/m3	
222	Barium chloride	10361-37-2	0.5	1.5	2.5	50	mg/m3	
223	Barium chloride dihydrate	10326-27-9	0.75	2.5	4	75	mg/m3	
224	Barium chromate	10294-40-3	0.25	0.5	0.5	75	mg/m3	
225	Barium cyanide	542-62-1	0.6	2	3.5	60	mg/m3	
226	Barium dioxide; (Barium peroxide)	1304-29-6	0.6	0.6	1.5	7.5	mg/m3	
227	Barium diphenylamine sulfonate	6211-24-1	0.5	1.5	2.5	50	mg/m3	All Ts changed.
228	Barium fluoride	7787-32-8	0.6	2	3	100	mg/m3	
229	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	0.75	2.5	4	20	mg/m3	
230	Barium hydroxide	17194-00-2	0.6	1.5	3	100	mg/m3	
231	Barium hydroxide octahydrate	12230-71-6	1	3	5	100	mg/m3	
232	Barium metaborate	13701-59-2	10	30	200	500	mg/m3	
233	Barium nitrate	10022-31-8	0.75	2	3.75	75	mg/m3	
234	Barium nitrite	13465-94-6	0.75	2.5	4	20	mg/m3	
235	Barium oxide	1304-28-5	0.5	1.5	2.5	50	mg/m3	
236	Barium permanganate	7787-36-2	1.25	7.5	12.5	500	mg/m3	
237	Barium phosphate	13466-20-1	0.75	2	4	20	mg/m3	
238	Barium stearate	6865-35-6	15	50	350	500	mg/m3	SAX & TSCA have H72, MW=706.4; RTECS & H&N ha H70, MW=704.40

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
239	Barium sulfate	7727-43-7	15	30	50	250	mg/m3	
240	Basic Green 4; (Aizen malachite green)	569-64-2	0.35	1	6	35	mg/m3	.
241	Basic Red 1; (Rhodamine 6G extra base)	989-38-8	0.025	0.075	0.6	2.5	mg/m3	
242	Bathophenanthroline; (Use 1,10-o-Phenanthroline)	66-71-7	0.1	0.3	2	30	mg/m3	
243	Bentonite; (Clay absorbent)	1302-78-9	10	30	50	50	mg/m3	
244	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	0.2	0.6	4	20	mg/m3	Names corrected.
245	Benzal chloride	98-87-3	0.4	1.25	2.3	500	mg/m3	
246	Benzaldehyde	100-52-7	6	15	125	500	mg/m3	
247	Benzamide	55-21-0	3	10	60	350	mg/m3	
248	Benzenamine, sulfate (2:1)	542-16-5	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data found.
249	**Benzene**	**71-43-2**	1	50	150	1000	ppm	**ERPG-1, -2, -3** See LEL formatting note.
250	Benzene D6	1076-43-3	1	50	150	1000	ppm	See LEL formatting note.
251	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	0.15	0.5	4	40	mg/m3	
252	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	5	15	28	125	mg/m3	
253	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	0.27	0.27	0.27	0.27	mg/m3	
254	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	0.5	1.5	200	200	mg/m3	
255	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	1.5	5	15	15	mg/m3	Added.
256	Benzenethiol; (Thiophenol; Phenyl mercaptan)	108-98-5	0.311	0.4	3	3.5	ppm	
257	Benzidene	92-87-5	0.15	0.5	3.5	125	mg/m3	
258	Benzo(a)anthracene	56-55-3	0.1	0.3	2	15	mg/m3	
259	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	0.2	0.6	10	80	mg/m3	
260	Benzo(ghi)perylene	191-24-2	10	30	50	250	mg/m3	
261	Benzo(k)fluoranthene	207-08-9	0.2	0.6	4	20	mg/m3	
262	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7	1.5	5	35	150	mg/m3	Added. Not found in database MSDS MW, SG.
263	Benzoic acid	65-85-0	4	12.5	75	400	mg/m3	
264	Benzoic acid, sodium salt	532-32-1	100	350	500	500	mg/m3	Added. No pchem data found

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
265	Benzoin oxime	441-38-3	0.6	1.5	12.5	60	mg/m3	Added. Rat LD > 500 mg/kg. N pchem data found.
266	Benzonitrile	100-47-0	2.5	7.5	60	300	mg/m3	See LEL formatting note.
267	Benzophenone	119-61-9	2	6	40	500	mg/m3	
268	Benzoquinone, p-; (Quinone)	106-51-4	0.1	0.3	0.5	22.6	ppm	
269	Benzotriazole	95-14-7	0.025	0.075	0.5	250	mg/m3	Added.
270	Benzotrifluoride	98-08-8	6	15	30	500	mg/m3	See LEL formatting note.
271	Benzoyl chloride	98-88-4	0.5	0.5	0.5	60	ppm	See LEL formatting note.
272	Benzoyl peroxide	94-36-0	5	5	12.5	500	mg/m3	T-2 changed.
273	Benzyl alcohol	100-51-6	4	12.5	100	200	ppm	See LEL formatting note.
274	Benzyl benzoate	120-51-4	12.5	35	250	500	mg/m3	Added.
275	**Benzyl chloride**	**100-44-7**	1	1	10	25	ppm	**ERPG-1, -2, -3** See LEL formatting note.
276	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	0.2	0.6	4.3	30	mg/m3	
277	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	0.1	0.1	6	25	mg/m3	
278	Benzylamine	100-46-9	2.5	7.5	50	250	mg/m3	Added.
279	Benzylbutylester phthalic acid; (Benzyl butyl phthalate)	85-68-7	5	15	500	500	mg/m3	See LEL formatting note.
280	Benzyldimethylamine; (Dimethylbenzylamine, n,n-; BDMA)	103-83-3	1	3	20	200	mg/m3	Added.
281	Benzyldimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	5	15	100	500	mg/m3	
282	**Beryllium**	**7440-41-7**	0.002	0.005	0.025	0.1	mg/m3	**ERPG-2, -3**
283	Beryllium chloride	7787-47-5	0.015	0.04	0.04	35	mg/m3	
284	Beryllium fluoride	7787-49-7	0.01	0.025	0.025	20	mg/m3	
285	Beryllium hydroxide	13327-32-7	0.01	0.025	0.25	20	mg/m3	
286	Beryllium nitrate	13597-99-4	0.03	0.075	7.5	60	mg/m3	
287	Beryllium oxide	1304-56-9	0.005	0.0125	1.25	10	mg/m3	
288	Bicyclo(2.2.1)heptane-2-carbonitrile, 5-chloro-6-((((methylamino)carbonyl)oxy)Imino)-, (ls-(1-alpha,2-beta,4-alpha,5-alpha,6E))-.	15271-41-7	3.5	10	19	19	mg/m3	Names vary from source to source, CASRN identifies.
289	Bio-Rad AG1-X8 anion exchange resin, formate form	60177-39-1	10	30	50	250	mg/m3	
290	Bioxirane, 2,2-; (1,2:3,4-Diepoxybutane)	1464-53-5	0.04	0.125	0.995	10	ppm	
291	Biphenylol, 4-	92-69-3	10	35	60	60	mg/m3	Added.
292	Biphenylol, sodium salt, 2-;	132-27-4	2.5	7.5	60	300	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
293	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	4	12.5	75	400	mg/m3	
294	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	2	6	10	400	mg/m3	
295	Bis(1-methylethyl)benzene, 1-4; (p- or 1,4-Diisopropylbenzene)	100-18-5	12.5	40	300	500	mg/m3	
296	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	5	15	100	500	mg/m3	See LEL formatting note.
297	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	30	100	500	500	mg/m3	Added.
298	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	6	15	125	200	ppm	Added.
299	Bis(2-chlorethylthioethyl) ether; (2-2'-Di(3-chloroethylthio)diethyl ether	63918-89-8	0.3	0.75	6	30	mg/m3	
300	**Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)**	**505-60-2**	0.0035	0.01	0.02	0.32	ppm	**Final AEGL-1, -2, -3.** Al Ts changed.
301	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8	0.06	0.15	1.25	6	mg/m3	Added.
302	Bis(2-chloroethylthio)methane	63869-13-6	0.05	0.15	1	5	mg/m3	Added. Not found in database
303	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7	0.06	0.2	1.25	6	mg/m3	Added. Not found in database
304	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8	0.075	0.2	1.5	7.5	mg/m3	Added. Not found in database
305	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2	0.06	0.15	1.25	6	mg/m3	Added. Not found in database
306	Bis(2-chloroethylthiomethyl)ether	63918-90-1	0.06	0.15	1.25	6	mg/m3	Added. Not found in database
307	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	75	250	500	500	mg/m3	
308	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	0.02	0.06	0.4	2	mg/m3	
309	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	0.075	0.2	1.5	7.5	mg/m3	Added. No pchem data found 17W mammal TC lo ignored.
310	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	0.004	0.01	0.075	100	ppm	
311	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	10	30	50	250	mg/m3	
312	Bis(3-tert-butyl-4-hydroxy-6-methyl-phenyl) sulfide	96-69-5	15	30	50	500	mg/m3	
313	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	0.125	0.4	2	2	mg/m3	
314	Bis(chloromethyl)oxetane, 3,3-	78-71-7	0.4	1.25	2	75	mg/m3	
315	Bis(Dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	0.4	1.25	7.5	40	mg/m3	Added.
316	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	4	12.5	20	400	mg/m3	Added. No toxicity data found

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
317	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	10	30	50	250	mg/m3	Added. Not listed in databases ChemFinder listed, MSDS pchem data.
318	Bis[(benzo-15crown-5)-15-ylmethyl] pimelate	69271-98-3	10	30	50	250	mg/m3	Added. Not found in database
319	Bisbutenylenetetrahydrofurfural; (2,3,4,5-bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	10	30	200	500	mg/m3	
320	Bismuth	7440-69-9	1.5	5	40	200	mg/m3	
321	Bismuth acetate	22306-37-2	10	30	50	250	mg/m3	Added. HSDB, HC&P listed, n toxicity data, MSDS HHR =2.
322	Bismuth germanate	12233-73-7	1.5	5	40	200	mg/m3	
323	Bismuth hydroxide	10361-43-0	1	1	3	100	mg/m3	**SAR**
324	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	7.5	20	150	500	mg/m3	
325	Bismuth iodide	7787-64-6	1.5	5	35	150	mg/m3	Added. TSCA listed, ChemFinder pchem data. HHR 3
326	Bismuth nitrate	10361-44-1	1.25	4	25	500	mg/m3	
327	Bismuth oxide	1304-76-3	20	60	400	500	mg/m3	
328	Bismuth oxychloride	7787-59-9	75	250	500	500	mg/m3	
329	Bismuth(III) nitrate, pentahydrate	10035-06-0	2	6	40	500	mg/m3	Added.
330	Bisphenol A	80-05-7	10	30	50	500	mg/m3	
331	Bisphenol A diglycidyl ether	1675-54-3	1.25	3.5	6	6	mg/m3	
332	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	4	12.5	20	20	mg/m3	
333	Borane-tetrahydrofuran	14044-65-6	5	15	25	125	mg/m3	No toxicity data, unstable
334	Boric acid	10043-35-3	2	6	10	125	mg/m3	T-0, T-1, T-2 changed.
335	Boric acid, tributyl ester; (Tri-n-butyl borate	688-74-4	0.75	2.5	20	100	ppm	Added.
336	Boron	7440-42-8	2.5	7.5	50	250	mg/m3	
337	Boron carbide	12069-32-8	10	30	50	250	mg/m3	
338	Boron nitride	10043-11-5	400	500	500	500	mg/m3	
339	Boron oxide	1303-86-2	15	30	50	500	mg/m3	
340	Boron tribromide	10294-33-4	1	1	1	5	ppm	
341	Boron trichloride	10294-34-5	0.1	0.3	2.09	2.5	ppm	
342	**Boron trifluoride**	**7637-07-2**	2	2	30	100	mg/m3	**ERPG-1, -2, -3**
343	Boron trifluoride etherate	109-63-7	7.5	20	37.5	500	mg/m3	
344	Boron trifluoride-dimethyl ether	353-42-4	1	3	5	7.5	ppm	
345	Brilliant blue	2650-18-2	0.06	0.06	0.06	0.06	mg/m3	Added. ChemFinder has different MF, MW

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
346	Bromadiolone	28772-56-7	0.2	0.6	1	1	mg/m3	
347	**Bromine**	**7726-95-6**	0.033	0.033	0.25	8.5	ppm	**ERPG-1, -2, -3, interim AEGL-2, -3.** All Ts changec
348	Bromine chloride	13863-41-7	10	30	50	250	mg/m3	
349	Bromine pentafluoride	7789-30-2	0.1	0.3	0.5	35	ppm	
350	Bromine trifluoride	7787-71-5	6	15	30	500	mg/m3	
351	Bromo acetic acid, methyl ester	96-32-2	0.25	0.75	5	25	mg/m3	Added. Pchem data differs ir SAX, HC&P, ChemFinder.
352	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	10	10	50	250	mg/m3	Synonym corrected.
353	Bromo-2-chloro-1,1,2-trifluoromethane, 1-; (Halon 1301; 1,1,2-trifluoro-1-bromo-2-chloro-ethane)	354-06-3	50	150	1000	5000	ppm	Changed name and MF.
354	Bromo-3-chloro-5,5-dimethylhydantoin, 1-	32718-18-6	10	10	10	10	mg/m3	
355	Bromo-3-chloro-5,5-dimethylhydanton, 1-	16079-88-2	6	15	125	500	mg/m3	
356	Bromoacetone	598-31-2	0.075	0.2	1.5	7.5	ppm	
357	Bromobenzene; (Phenyl bromide)	108-86-1	0.75	2.5	15	350	ppm	See LEL formatting note.
358	Bromochlorobenzene, m-	108-37-2	10	30	50	250	mg/m3	
359	Bromochlorobenzene, p-	106-39-8	10	30	50	250	mg/m3	
360	Bromochloromethane	74-97-5	200	600	1000	2000	ppm	See LEL formatting note.
361	Bromocresol green	76-60-8	10	30	50	250	mg/m3	
362	Bromocresol purple	115-40-2	10	30	50	250	mg/m3	
363	Bromocyclohexanol, Cis-2-	16536-57-5	0.04	0.125	0.75	40	ppm	**SAR**
364	Bromodichloromethane	75-27-4	1.5	4	30	150	mg/m3	
365	Bromoethane	74-96-4	5	15	25	1500	ppm	Added. PEL-TWA ignored.
366	Bromoform; (Tribromomethane)	75-25-2	0.5	0.5	1	850	ppm	
367	Bromonaphthalene	90-11-9	10	30	50	350	mg/m3	
368	Bromophenyl phenyl ether, 4-	101-55-3	2	6	40	200	mg/m3	
369	Bromopropane, 1-	106-94-5	10	30	2500	2500	ppm	T-0, T-1 changed. See LEL formatting note.
370	Bromopropane, 2-	75-26-3	600	1500	12500	25000	ppm	Added
371	Bromopyrene, 3-	1714-29-0	10	30	50	250	mg/m3	Added. Not found in database assumed solid or non-volatile liquid.
372	Bromosuccinimide, N-	128-08-5	2	6	40	200	mg/m3	Added.
373	Bromothymol blue	76-59-5	10	30	50	250	mg/m3	Added. RTECS, TSCA, HC&I listed, no toxicity data.

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
374	Bromotoluene, A-; (Benzyl bromide)	100-39-0	0.6	1.5	12.5	60	mg/m3	Added.
375	Bromotrichloromethane	75-62-7	0.06	0.15	1.25	6	ppm	Added.
376	Bromotrifluoroethylene	598-73-2	6	20	35	125	ppm	
377	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	1000	3000	25000	40000	ppm	
378	Brucine; (2,3-Dimethoxysrychnine)	357-57-3	0.15	0.45	0.75	40	mg/m3	
379	Buffer solution, aequeous	7732-18-5	500	500	500	500	mg/m3	
380	**Butadiene,1,3-**	**106-99-0**	2	10	200	***5000***	ppm	**ERPG-1, -2, -3** See LEL formatting note.
381	Butanaminium-N,N,N-tributyl bromide, 1-	1643-19-2	10	30	50	250	mg/m3	Added. No toxicity data found
382	Butane	106-97-8	800	***2400***	***4000***	***19000***	ppm	See LEL formatting note.
383	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	5	15	100	500	ppm	See LEL formatting note.
384	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	3.5	10	75	350	ppm	See LEL formatting note.
385	Butanediol dinitrate, 1,4-	3457-91-8	0.05	0.125	0.4	3	ppm	**SAR**
386	Butanediol, 1,3-	107-88-0	25	75	500	500	mg/m3	Added.
387	Butanediol, 1,4-; (1,4-Tetramethylene glycol; TMA)	110-63-4	1.25	3.5	25	250	mg/m3	
388	Butanenitrile; (Butyronitrile)	109-74-0	8	24	40	50	ppm	See LEL formatting note.
389	Butanethiol; (n-Butyl mercaptan)	109-79-5	0.5	1.5	50	500	ppm	See LEL formatting note.
390	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	1.5	5	35	150	ppm	
391	Butanol, aluminum salt, 2-	2269-22-9	15	50	75	350	mg/m3	Added. TSCA, HC&P listed, n toxicity data.
392	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	15	40	100	100	ppm	
393	**Butanone, 2-; (Methyl ethyl ketone; MEK)**	**78-93-3**	200	200	***2700***	***4000***	ppm	**Interim AEGL-1, -2, -3,** 1, T-2, T-3 changed. See LEI formatting note.
394	Butene, 1-; (Butylene)	106-98-9	400	1200	***2000***	***500000***	ppm	See LEL formatting note.
395	Butene, 2-	107-01-7	3	7.5	60	300	ppm	See LEL formatting note.
396	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	***60000***	***145000***	***280000***	***500000***	ppm	Simple asphyxiant (see Introduction) All Ts changed. See LEL formatting note.
397	Butene, trans-2-; (Trans-1,2-dimethylethylene)	624-64-6	***6000***	***15000***	***25000***	***25000***	ppm	Name corrected. See LEL formatting note.
398	Butoxyethanol acetate, 2-; (Ethylene glycol monobutyl ether acetate)	112-07-2	5	15	25	150	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
399	Butoxyethanol phosphate, 2-	78-51-3	7.5	20	150	500	mg/m3	
400	Butoxyethanol, 2-; (Glycol ether EB; Xtraction II)	111-76-2	50	50	100	700	ppm	See LEL formatting note.
401	Butoxyethoxy)-ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	100	100	500	500	mg/m3	T-1 changed. See LEL formatting note.
402	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	0.35	1	7.5	40	mg/m3	
403	Butoxypolypropylene glycol	9003-13-8	35	100	500	500	mg/m3	RTECS has six entries for this CASRN
404	**Butyl acetate, n-**	123-86-4	5	5	200	***3000***	ppm	**ERPG-1, -2, -3** See LEL formatting note.
405	Butyl acetate, sec-	105-46-4	200	200	300	1500	ppm	See LEL formatting note.
406	Butyl acetate, tert-	540-88-5	200	600	1000	***1500***	ppm	See LEL formatting note.
407	Butyl acetoacetate, tert-	1694-31-1	20	60	400	500	mg/m3	Added. TSCA listed, no toxicit data found. MSDS rat oral LD5 > 5 g/kg.
408	**Butyl acrylate, n-**	141-32-2	2	3.5	25	250	ppm	**ERPG-2, -3; ignored ERPG-1** See LEL formatting note.
409	Butyl alcohol, n-	71-36-3	50	50	50	***1400***	ppm	See LEL formatting note.
410	Butyl alcohol, sec-; (2-Butanol)	78-92-2	100	150	500	***2000***	ppm	See LEL formatting note.
411	Butyl bis(2-ethylhexyl)phosphate	z-0002	0.2	0.6	0.75	0.75	ppm	**SAR**
412	Butyl ether, n-; (Dibutyl ether)	142-96-1	1	3	20	400	ppm	See LEL formatting note.
413	Butyl glycidyl ether, n-	2426-08-6	5.6	5.6	15	250	ppm	T-0, T-1, T-2 changed. See LEL formatting note.
414	**Butyl isocyanate, n-**	**111-36-4**	0.0035	0.01	0.05	1	ppm	**ERPG-1, -2, -3**
415	Butyl lithium	109-72-8	0.2	0.2	1	6	mg/m3	No toxicity data, based on LiH LClo
416	Butyl perbenzoate, tert-	614-45-9	7.5	25	150	400	mg/m3	Rat and mouse 240 min LC > 5 mg/m3
417	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	500	500	500	500	mg/m3	
418	Butyl-2-methylcyclopropane, T-1-	38851-70-6	10	30	50	250	mg/m3	Added. Not found in any databases.
419	Butyl-3-iodo-2-propynyl ester carbamic acid	55406-53-6	10	30	50	250	mg/m3	Spelling corrected.
420	Butylamine, (S)-sec-	513-49-5	1.5	4	30	150	mg/m3	See LEL formatting note.
421	Butylamine, n-	109-73-9	5	5	50	300	ppm	See LEL formatting note.
422	Butylamine, sec-	13952-84-6	5	5	5	20	ppm	
423	Butylamine, tert-	75-64-9	5	5	7.5	125	ppm	See LEL formatting note.
424	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	7.5	20	150	750	ppm	See LEL formatting note.
425	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	1.5	5	35	150	ppm	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
426	Butylbenzene, tert-	98-06-6	7.5	20	150	***750***	ppm	See LEL formatting note.
427	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	1.5	5	40	200	ppm	See LEL formatting note.
428	Butylcyclohexanone, p-tert-	98-53-3	20	60	400	500	mg/m3	
429	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	2	6	10	500	mg/m3	
430	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	0.35	1	20	30	mg/m3	
431	Butyraldehyde	123-72-8	25	25	25	***2000***	ppm	See LEL formatting note.
432	Butyric acid	107-92-6	15	40	250	250	ppm	See LEL formatting note.
433	Butyric acid, sodium salt	156-54-7	50	150	500	500	mg/m3	Added. Dog iv data ex HSDB
434	C-18 Unsarturated Fatty Acid Dimer (Epoxys); (Versamid 140 polyamide resin; Versamid 125)	68410-23-1	10	30	50	250	mg/m3	TSCA listed, no toxicity data
435	C-8 Alkane	68333-81-3	300	385	400	***2000***	ppm	Based on octane, MW estimated. See LEL formattin note.
436	Cacodylic acid (as inorganic As)	75-60-5	0.5	1.5	5	5	mg/m3	
437	Cadmium & compounds	7440-43-9	0.005	0.03	0.5	7.5	mg/m3	
438	Cadmium bromide	7789-42-6	0.0125	0.075	4	20	mg/m3	
439	Cadmium carbonate	513-78-0	0.0075	0.04	4	12.5	mg/m3	
440	Cadmium chloride	10108-64-2	0.0075	0.05	0.075	15	mg/m3	
441	Cadmium chloride hemipentahydrate; (Cadmium chloride, 2.5-hydrate)	7790-78-5	0.25	0.75	5	300	mg/m3	Added.
442	Cadmium fluoride	7790-79-6	0.006	0.04	4	12.5	mg/m3	
443	Cadmium hydroxide	21041-95-2	0.006	0.04	4	10	mg/m3	
444	Cadmium nitrate	10325-94-7	0.01	0.06	4	15	mg/m3	
445	Cadmium nitrate tetrahydrate	10022-68-1	0.0125	0.075	4	25	mg/m3	
446	Cadmium nitrite	z-0003	0.0075	0.05	4	15	mg/m3	
447	Cadmium oxide	1306-19-0	0.005	0.035	4	10	mg/m3	
448	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	0.03	0.15	12.5	50	mg/m3	
449	Cadmium sulfate	10124-36-4	0.0075	0.05	4	15	mg/m3	
450	Cadmium sulfate, hydrate	7790-84-3	0.015	0.075	0.15	25	mg/m3	Added. MF, MW differ in HSD HC&P, ChemFinder from SAX and RTECS.
451	Cadmium sulfide	1306-23-6	0.006	0.04	6	10	mg/m3	Added.
452	Cadmium tungstate	7790-85-4	0.015	0.1	4	30	mg/m3	
453	Cadmium(II) acetate	543-90-8	0.005	0.03	4	7.5	mg/m3	
454	Calcium	7440-70-2	10	30	50	250	mg/m3	
455	Calcium acetate	62-54-4	0.02	0.06	0.4	30	mg/m3	Added.
456	Calcium arsenate	7778-44-1	0.01	0.03	10	10	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
457	Calcium carbide	75-20-7	10	30	50	250	mg/m3	
458	Calcium carbonate; (Dolomite, Limestone)	1317-65-3	15	15	15	15	mg/m3	
459	Calcium chloride	10043-52-4	25	75	400	400	mg/m3	T-0,T-1, T-2 changed.
460	Calcium chloride dihydrate	10035-04-8	40	125	500	500	mg/m3	
461	Calcium chromate	13765-19-0	0.003	0.0075	0.15	150	mg/m3	
462	Calcium cyanamide	156-62-7	0.5	1.5	25	500	mg/m3	
463	Calcium fluoride	7789-75-5	5	15	25	500	mg/m3	
464	Calcium formate	544-17-2	10	30	200	500	mg/m3	
465	Calcium hydride	7789-78-8	3	9	15	75	mg/m3	
466	Calcium hydroxide	1305-62-0	15	15	25	500	mg/m3	
467	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	10	10	50	350	mg/m3	
468	Calcium metasilicate	10101-39-0	10	30	50	250	mg/m3	Added. MF, MW differ in databases. No toxicity or pche data found. No MSDS, assume solid.
469	Calcium monohydrogen phosphate dihydrate	7789-77-7	10	30	50	250	mg/m3	Added. No toxicity data found
470	Calcium nitrite	13780-06-8	0.03	0.075	0.6	50	mg/m3	Listed as "Nitrous acid, calciur salt", MF = Ca.2(HNO2), MW 134.10 SAR
471	Calcium oxalate	563-72-4	6	15	50	50	mg/m3	Listed as "Ethanedioic acid, calcium salt", MF = C2H2O4.C MW = 130.11 SAR
472	Calcium oxalate, hydrate	5794-28-5	10	30	50	250	mg/m3	Added. In ChemFinder, no toxicity data.
473	Calcium oxide	1305-78-8	5	5	5	25	mg/m3	
474	Calcium phosphate tribasic	12167-74-7	10	30	50	50	mg/m3	Added. No toxicity or pchem data found. MSDS MP, SG.
475	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	7.5	20	35	350	mg/m3	**SAR**
476	Calcium sulfate anhydrous; (Drierite)	7778-18-9a	15	30	50	250	mg/m3	MF and MW in HSDB not compatible.
477	Calcium sulfate; (Gypsum; Plaster of Paris)	7778-18-9b	15	30	50	250	mg/m3	
478	Calcium(II) nitrate	10124-37-5	1.25	3.5	25	125	mg/m3	
479	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	10	30	50	500	mg/m3	
480	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	15	30	50	250	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
481	Camphor	76-22-2	2	25	25	200	mg/m3	See LEL formatting note.
482	Cantharidin	56-25-7	0.75	2.5	4.3	4.3	mg/m3	
483	Caprolactam (dust)	105-60-2	1	3	3	20	mg/m3	See LEL formatting note.
484	Caprylyl chloride; (Octanoyl chloride)	111-64-8	10	10	10	10	mg/m3	
485	CAPSO	73463-39-5	10	30	50	250	mg/m3	Added. Not found in database MSDS pchem data.
486	Captan	133-06-2	5	15	25	500	mg/m3	Mouse 60 min LC50, TD lo
487	Carbachol Chloride	51-83-2	3	7.5	15	15	mg/m3	
488	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	26419-73-8	0.2	0.6	1	1	mg/m3	SAX has "2,4-Dimethyl-1,3-dithiolane-2-carboxaldehyde c (methylcarbamoyl)oxime"
489	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde oxime, 2-)	116-06-3	0.07	0.21	0.3	100	mg/m3	T-3 changed. Name ex SAX also HSDB, IRIS, OHMTADS a synonyms for 116-06-3. Carbanolate CASRN = 471-04 in RTECS, HSDB, MF = C10.H12,Cl.N.O2, MW = 213.6
490	Carbaryl	63-25-2	5	15	25	100	mg/m3	
491	Carbazole	86-74-8	0.75	2.5	15	75	mg/m3	
492	Carbazole violet	6358-30-1	75	250	500	500	mg/m3	Added. TSCA listed, no toxicit or pchem data found. MSDS solid, HHR = 1.
493	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	10	30	50	250	mg/m3	
494	Carbofuran	1563-66-2	0.1	0.3	0.43	0.5	mg/m3	
495	Carbon black	1333-86-4	3.5	10.5	17.5	500	mg/m3	
496	Carbon dioxide	124-38-9	5000	30000	30000	40000	ppm	
497	**Carbon disulfide**	**75-15-0**	4	4	160	480	ppm	**ERPG-1, -2, -3, interim AEGL-2, -3.** All Ts change. See LEL formattin note.
498	**Carbon monoxide**	**630-08-0**	50	83	83	330	ppm	**ERPG-1, -2, -3, interim AEGL-2, -3** T-1, T-2, T-3 changed. See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
499	**Carbon tetrachloride**	**56-23-5**	10	44	190	520	ppm	**ERPG-1, -2, -3, interim AEGL-2, -3** T-1, T-2, T-3 changed. See LEL formatting note.
500	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	0.75	2.5	4	75	ppm	
501	Carbon trifluoride; (Trifluoromethane, Fluoroform)	75-46-7	750	3000	20000	100000	ppm	No toxicity data, TClo based o HSDB HTOX profile
502	Carbon; (Graphite, synthetic)	7440-44-0	2	6	10	500	mg/m3	(Graphite, synthetic) is synonyı CASRN = 7782-42-5, Graphite natural
503	Carbonic acid, calcium salt	471-34-1	15	30	50	500	mg/m3	
504	Carbonyl fluoride	353-50-4	2	5	5	20	ppm	
505	Carbonyl sulfide	463-58-1	1.25	4	25	125	ppm	See LEL formatting note.
506	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data.
507	Carbophenothion; (Trithion)	786-19-6	1.25	4	6.8	6.8	mg/m3	
508	Carboxymethyl cellulose	9000-11-7	40	125	500	500	mg/m3	Added. RTECS rat oral LD > mg/kg, MW given is for x = 1
509	Casamino acids	6230-01-0	10	30	50	250	mg/m3	Not found in databases
510	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9	10	30	50	250	mg/m3	TSCA & Merck listed, no toxici data. H&N gives "milk protein
511	Castor oil	8001-79-4	40	125	500	500	mg/m3	Toxicity data added, all Ts changed.
512	Catechol	120-80-9	5	15	25	25	ppm	See LEL formatting note.
513	Cation exchange resin 200-400 meshHyd.Dowex 50W-X8	11119-67-8	10	30	50	250	mg/m3	Not found in databases
514	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5	10	30	50	250	mg/m3	Not found in databases
515	Cellulose	9004-34-6	15	30	500	500	mg/m3	RTECS r LD50 & LC50 greate than values entered
516	Cellulose acetate butanoate; (Celvacene)	9004-36-8	10	30	50	250	mg/m3	TSCA, H&N listed, no toxicity data
517	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7	10	30	50	250	mg/m3	TSCA listed, no toxicity data
518	Ceric ammonium nitrate	16774-21-3	40	100	200	500	mg/m3	
519	Ceric ammonium sulfate	7637-03-8	40	125	200	500	mg/m3	
520	Ceric ammonium sulfate, dihydrate	10378-47-9	10	30	50	250	mg/m3	Added. Not found in database No MSDS. ChemFinder MP.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
521	Ceric oxide	1306-38-3	6	20	125	500	mg/m3	Rat oral LD50 > 5 g/kg
522	Cerium	7440-45-1	10	30	50	250	mg/m3	
523	Cerium acetate	537-00-8	0.1	0.35	2	10	mg/m3	Added
524	Cerium chloride	7790-86-5	7.5	25	150	500	mg/m3	
525	Cerium fluoride	7758-88-5	7.5	25	40	500	mg/m3	Rat oral LD50 > 5 g/kg
526	Cerium hydroxide	15785-09-8	0.75	0.75	2	75	mg/m3	**SAR**
527	Cerium nitrate hexahydrate	10294-41-4	15	50	350	500	mg/m3	
528	Cerium oxalate	15750-47-7	10	30	50	250	mg/m3	
529	Cerium sulfate	13590-82-4	1	3.5	20	100	mg/m3	
530	Cerium trioxide	1345-13-7	2	6	40	200	mg/m3	
531	Cerium(IV) hydroxide	12014-56-1	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data, irritation, S, ex ChemFind
532	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	1	3	20	500	mg/m3	
533	Cerous nitrite	z-0004	0.04	0.1	0.75	75	mg/m3	**SAR**
534	Cesium	7440-46-2	10	30	50	500	mg/m3	
535	Cesium carbonate	534-17-8	10	30	200	500	mg/m3	
536	Cesium chloride	7647-17-8	0.4	1.25	10	500	mg/m3	T-0, T-1, T-2 changed.
537	Cesium fluoride	13400-13-0	20	60	100	500	mg/m3	
538	Cesium hydroxide	21351-79-1	2	2	7.5	250	mg/m3	
539	Cesium iodide	7789-17-5	10	30	200	500	mg/m3	
540	Cesium nitrate	7789-18-6	10	30	200	500	mg/m3	
541	Cesium nitrite	z-0005	0.075	0.2	1.5	60	mg/m3	**SAR**
542	Cesium oxide	20281-00-9	2	6	10	500	mg/m3	Added. No toxicity data, but reacts with water to form Cs.O
543	Charcoal, activated; (Cocoanut)	64365-11-3	10	30	50	250	mg/m3	Also CASRN = 68647-86-9
544	Chloramben; (3-Amino-2,5-dichlorobenzoic acid)	133-90-4	35	100	500	500	mg/m3	
545	Chlordane	57-74-9	0.5	1.5	50	100	mg/m3	
546	Chlorfenvinfos	470-90-6	2	6	10	10	mg/m3	
547	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	0.15	0.4	3	75	mg/m3	Added.
548	Chloride	16887-00-6	0.5	1	1	10	ppm	Added. Chlorine concentratio limits used.
549	Chlorinated polyolefins	68410-99-1	10	30	50	250	mg/m3	
550	**Chlorine**	**7782-50-5**	0.5	0.5	2	20	ppm	**ERPG-1, -2, -3, final AEGL-2, -3.** T-1, T-2 changed.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
551	**Chlorine dioxide**	**10049-04-4**	0.1	0.15	1.1	2.4	ppm	**ERPG-2, -3, interim AEG 2, -3** T-1, T-2, T-3 changed See LEL formatting note.
552	Chlorine Hi dry granular (as Cl)	z-0006	0.5	1	3	20	ppm	
553	Chlorine pentafluoride	13637-63-3	3.5	3.5	3.5	60	ppm	
554	**Chlorine trifluoride**	**7790-91-2**	0.1	0.12	2	21	ppm	**ERPG-1, -2, -3, interim AEGL-1,-2, -3**. Ts-1,-2,-3 change.
555	Chlormephos	24934-91-6	1.25	4	7	35	mg/m3	
556	Chlormequat Chloride; (Choline dichloride)	999-81-5	0.35	1	7	7.5	mg/m3	
557	**Chloro-1,1-difluoroethane, 1-; (HCFC-142b)**	**75-68-3**	1000	***10000***	***15000***	***25000***	ppm	**ERPG-1, -2, -3** See LEL formatting note.
558	Chloro-1-butanol, 4-	928-51-8	1.5	5	35	400	mg/m3	Added.
559	Chloro-2,4-dinitrobenzene, 1-	97-00-7	3	10	60	350	mg/m3	See LEL formatting note.
560	Chloro-2-methyl-1-propene, 3-	563-47-3	0.75	2.5	15	75	ppm	See LEL formatting note.
561	Chloro-2-nitrophenol, 4-	89-64-5	0.4	1.25	7.5	40	mg/m3	Added. TSCA, HC&P listed, MSDS toxicity data.
562	Chloro-4-nitrophenol, 2-	619-08-9	0.5	1.5	10	50	ppm	Name changed
563	Chloroacetaldehyde	107-20-0	1	1	21.5	45	ppm	See LEL formatting note.
564	Chloroacetaldehyde dimethyl acetal	97-97-2	7.5	25	150	500	mg/m3	Added. TSCA listed, no toxicit data. MSDS pchem data, assumed HHR = 2.
565	Chloroacetic acid, sodium salt	3926-62-3	2.5	7.5	40	40	mg/m3	Added.
566	**Chloroacetic acid; (Monochloroacetic acid)**	**79-11-8**	0.5	1.5	6.6	20	ppm	**Interim AEGL-2,** LC50. A Ts and units changed. See LE formatting note.
567	Chloroacetone	78-95-5	1	1	1	7.5	ppm	
568	Chloroacetonitrile	107-14-2	0.6	1.5	12.5	25	ppm	Added.
569	**Chloroacetyl chloride**	**79-04-9**	0.05	0.05	0.5	10	ppm	**ERPG-1, -2, -3** See LEL formatting note.
570	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3	10	10	20	200	mg/m3	
571	Chloroaniline, p-	106-47-8	10	30	50	300	mg/m3	See LEL formatting note.
572	Chlorobenzene; (Benzene chloride)	108-90-7	30	30	500	1000	ppm	See LEL formatting note.
573	Chlorobenzotrifluoride, 2-	88-16-4	6	20	125	500	mg/m3	Added.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
574	Chlorobenzylate; (4,4'-Dichloro-benzilic acid ethyl ester)	510-15-6	0.3	0.75	6	300	mg/m3	T-0, T-1, T-2 changed.
575	Chlorobenzylidene malononitrile, o-	2698-41-1	0.4	0.4	0.4	2	mg/m3	
576	Chlorobutane, 1-; (Butyl chloride)	109-69-3	7.5	25	150	750	ppm	Ignored inconsistent Russian TDlo, used NTP TDlo data. Se LEL formatting note.
577	Chlorocyclohexanol, trans-2-	6628-80-4	3.5	10	75	400	mg/m3	
578	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	20	60	500	***2500***	ppm	**SAR** See LEL formatting note
579	Chlorodecane, 1-	1002-69-3	48.5	145	250	1250	ppm	Added. TSCA listed, no toxicit data.
580	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	7.5	22.5	37.5	500	mg/m3	SAX MW (110.56) incorrect. See LEL formatting note.
581	Chlorodifluoromethane	75-45-6	1000	1250	7500	7500	ppm	
582	Chloroethanesulfonyl chloride, 2-	1622-32-8	1.25	3.5	25	150	mg/m3	
583	Chloroethyl chloroformate	627-11-2	4	12.5	20	20	mg/m3	
584	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	0.25	0.75	5	25	ppm	.
585	Chloroethylchloromethylsulfide, 2-	2625-76-5	0.0035	0.01	0.02	0.32	ppm	Added. Not found in database Used AEGLs for structurally similar sulfur mustard, CASRN 505-60-2.
586	**Chloroform**	**67-66-3**	2	2	64	3200	ppm	**ERPG-2, -3, interim AEG 2, -3.** T-2, T-3 changed. Se LEL formatting note.
587	Chloroform-D	865-49-6	2	2	50	500	ppm	Not found in databases, has deuterium in place of H in chloroform, so used its limits. See LEL formatting note.
588	Chloro-m-cresol, 4-	59-50-7	7.5	20	150	500	mg/m3	
589	**Chloromethyl methyl ether**	**107-30-2**	0.075	0.25	0.47	2	ppm	**ERPG-2, -3, interim AEG 2, -3.** All Ts changed.
590	Chloromethyl(trichloro)silane	1558-25-4	0.1	0.35	2	10	mg/m3	"MP: 111-112^{o} mm" SAX, BP HC&P
591	Chloronaphthalene, 1- (alpha)	90-13-1	6	20	125	500	mg/m3	
592	Chloronaphthalene, 2- (beta)	91-58-7	0.2	0.6	1	500	mg/m3	Spelling corrected.
593	Chloronitrobenzene, p- ; (p-nitrochlorobenzene)	100-00-5	1	1.92	30	100	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
594	Chloroperoxybenzoic acid, 3-	937-14-4	0.3	1	6	35	mg/m3	All Ts changed.
595	Chlorophacinone	3691-35-8	0.2	0.6	1	1	mg/m3	
596	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	250	400	400	400	mg/m3	Severe irritant. Inconsistent ra LC50 not used. See LEL formatting note.
597	Chlorophenol, m-	108-43-0	0.3	0.75	6	250	mg/m3	T-0, T-1, T-2 changed.
598	Chlorophenol, o-	95-57-8	0.4	1	7.5	50	ppm	
599	Chlorophenyl phenyl ether, 4-	7005-72-3	0.0025	0.0075	0.05	0.25	mg/m3	
600	Chlorophenyl thiourea, 2-	5344-82-1	0.75	2.5	4.6	4.6	mg/m3	
601	Chloropicrin/Methyl bromide mixture	8004-09-9	2	3	12.5	60	mg/m3	0.15 to 0.85 mixture assume
602	Chloropicrin/Methyl chloride mixture	z-0007	2	2	6	30	mg/m3	0.30 to 0.70 mixture assume
603	**Chloropicrin; (Trichloronitromethane)**	**76-06-2**	0.1	0.1	0.3	1.5	ppm	**ERPG-1, -2, -3**
604	Chloroprene; (Neoprene)	126-99-8	1	1	1	300	ppm	See LEL formatting note.
605	Chloropropionitrile, 3-	542-76-7	0.5	1.5	2.5	12.5	ppm	
606	Chloropropylene, 2-	557-98-2	1000	3000	***20000***	***35000***	ppm	See LEL formatting note.
607	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	1.5	5	8	500	mg/m3	
608	Chloro-p-toluenesulfonamide, sodium salt, n-; (Chloramine T) (see also SFV550)	127-65-1	10	30	50	250	mg/m3	
609	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7	0.00015	0.0005	0.006	0.022	ppm	Added. Not found in database Treated as Sarin, CASRN = 10 44-8
610	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5	0.03	0.075	0.6	3	ppm	Added. RTECS toxicity data, n pchem data found.
611	**Chlorosulfonic acid; (Chlorosulfuric acid)**	**7790-94-5**	1.43	2	10	30	mg/m3	**ERPG-1, -2, -3**
612	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	50	75	250	***1500***	ppm	See LEL formatting note.
613	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	25	75	500	***2500***	ppm	See LEL formatting note.
614	Chlorotrifluoroethene, homopolymer	9002-83-9	0.015	0.04	0.3	500	mg/m3	Added. Many synonyms, use first of multiple RTECS listings
615	**Chlorotrifluoroethylene**	**79-38-9**	5	20	100	300	ppm	**ERPG-1, -2, -3** See LEL formatting note.
616	Chlorotrifluoromethane; (CFC-13)	75-72-9	1000	3000	5000	25000	ppm	
617	Chlorovinylarsine dichloride; (Lewisite)	541-25-3	1.25	1.25	4.7	4.7	mg/m3	
618	Chloroxuron	1982-47-4	2	6	10	500	mg/m3	
619	Chlorpyrifos; (dursban)	2921-88-2	0.2	0.6	10	75	mg/m3	
620	Chlorsulfuran	64902-72-3	0.125	0.35	2.5	500	mg/m3	SAX r LC50 > 5900 mg/m3. T- T-1, T-2 changed.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
621	Chlorthiophos	21923-23-9	0.35	1	7.8	7.8	mg/m3	RTECS CASRN = 60238-56-4 data match SAX CASRN = 21923-23-9 for which RTECS data is different
622	Chromates	13907-45-4	0.05	0.1	0.1	15	mg/m3	
623	Chromic acetate; (Chromium(III) acetate)	1066-30-4	2	6	10	100	mg/m3	
624	Chromic chloride; (Chromium(III) chloride)	10025-73-7	1.5	4	7.5	75	mg/m3	
625	Chromic oxide (Chromium(III) oxide, chromium sesquioxide)	1308-38-9	0.75	2.25	3.75	35	mg/m3	
626	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	1.5	2	7.5	75	mg/m3	
627	Chromic trihydroxide; (Chromic(III) acid)	1308-14-1	1	1.5	5	50	mg/m3	
628	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	0.1	0.2	0.2	30	mg/m3	
629	Chromic(VI) acid	7738-94-5	0.1	0.2	0.2	35	mg/m3	
630	Chromite; (Chromite (mineral))	1308-31-2	0.3	0.3	0.5	500	mg/m3	
631	Chromium	7440-47-3	1	1.5	2.5	250	mg/m3	
632	Chromium nitrate	10103-47-6	4	12.5	20	200	mg/m3	Added. RTECS listed, no toxicity or pchem data.
633	Chromium nitrate nonahydrate	7789-02-8	4	10	20	200	mg/m3	
634	Chromium perchlorate, hydrated	13537-21-8	3.5	10	15	150	mg/m3	Added. No toxicity or pchem data found.
635	Chromium(III) acetate hydroxide	39430-51-8	2.5	7.5	12.5	125	mg/m3	TSCA listed. Chromium(III) acetate, CASRN =1066-30-4 MW = 229.13, MF = Cr.3(C2.H4.O2). LANL MW = 603.3?
636	Chromium(III) chloride, hexahydrate	10060-12-5	2.5	7.5	12.5	125	mg/m3	Added. Not found in database ChemFinder pchem, irritation data.
637	Chromium(III) fluoride	7788-97-8	1	3	5	50	mg/m3	Added.
638	Chromium(III) nitrate	13548-38-4	2	6	10	100	mg/m3	
639	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2	0.75	1	3.75	40	mg/m3	TSCA listed, no toxicity data
640	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	5	15	25	250	mg/m3	Added.
641	Chromium(VI) hydroxide	12626-43-6	0.01	0.03	0.1	15	mg/m3	Used Cr(VI) limits, not SAR

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
642	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	1	3.5	6	500	mg/m3	
643	Chrysene (coal tar volatile)	218-01-9	0.2	0.6	1	80	mg/m3	
644	Cinnamaldehyde	104-55-2	1.25	4	30	500	mg/m3	Added.
645	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	0.075	0.25	2	250	ppm	Added
646	Citric acid	77-92-9	10	30	50	***500***	mg/m3	See LEL formatting note.
647	Citric acid monohydrate	5949-29-1	1.5	4	30	150	mg/m3	
648	Citric acid, trisodium salt, dihydrate	6132-04-3	6	20	125	500	mg/m3	Used Trisodium citrate, CASR = 68-04-2, SAX TNL000
649	Coal tar pitch volatiles; (Particulate polycyclic aromatic hydrocarbons)	65996-93-2	0.2	0.6	10	80	mg/m3	
650	Coal tar, aerosol	8007-45-2a	0.1	1.25	7.5	40	mg/m3	
651	Coal tar; (Coal tar volatiles)	8007-45-2b	0.2	0.6	1	80	mg/m3	
652	Cobalt	7440-48-4	0.1	0.1	20	20	mg/m3	
653	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	3	7.5	60	300	mg/m3	
654	Cobalt carbonyl	10210-68-1	0.27	0.27	25	60	mg/m3	
655	Cobalt chloride	7646-79-9	0.125	0.125	20	500	mg/m3	T-3 changed.
656	**Cobalt hydrocarbonyl**	**16842-03-8**	0.13	0.13	0.13	0.42	mg/m3	**Added. ERPG-2, -3**
657	Cobalt hydroxide	21041-93-0	0.03	0.075	0.15	0.75	mg/m3	
658	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	0.1	0.3	0.5	100	mg/m3	
659	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	0.06	0.15	3	150	mg/m3	T-0 changed.
660	Cobalt nitrite	z-0009	0.05	0.15	0.25	1.25	mg/m3	
661	Cobalt oxide	1308-06-1	0.075	0.075	0.125	500	mg/m3	
662	Cobalt sulfate	10124-43-3	0.05	0.15	0.25	150	mg/m3	
663	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	0.1	0.3	50	250	mg/m3	RTECS listed, no toxicity dar
664	Cobalt tetraphenylporphine	14172-90-8	10	30	50	250	mg/m3	
665	Cobalt(II) chloride hexahydrate	7791-13-1	0.075	0.25	4	100	mg/m3	
666	Cobalt(II) oxide	1307-96-6	0.075	0.075	12.5	75	mg/m3	See also CND020: Co3O4, CND825: Co2O3 T-2 change
667	Cobalt(II) sulfate hydrate	60459-08-7	0.06	0.15	0.3	300	mg/m3	Added. Not found in database
668	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-	62207-76-5	0.15	0.4	3	15	mg/m3	SAX name = "n,n'Ethylene bis(fluorosalicylideneiminato)cobal I)"
669	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7	0.2	0.2	0.35	150	mg/m3	
670	Cobaltous carbonate	513-79-1	0.125	0.125	0.2	250	mg/m3	
671	Colchicine	64-86-8	0.04	0.125	0.9	0.9	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
672	Copper	7440-50-8	1	3	5	100	mg/m3	
673	Copper cyanide	544-92-3	1.25	4	6	25	mg/m3	
674	Copper hydroxide	20427-59-2	1.5	4	7.5	400	mg/m3	
675	Copper nitrate; (Cupric nitrate)	3251-23-8	0.3	7.5	60	300	mg/m3	T-0 changed.
676	Copper oxide	1317-39-1	1	3.5	5	100	mg/m3	
677	Copper sulfate	7758-98-7	0.25	0.75	6	40	mg/m3	T-0, T-1 changed.
678	Copper(I) chloride; (Cuprous chloride)	7758-89-6	1.5	4	7.5	60	mg/m3	
679	Copper(I) sulfide	22205-45-4	1.25	3.5	6	30	mg/m3	Added.
680	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	0.15	0.5	0.75	150	mg/m3	T-0, T-2, T-2 changed.
681	Copper(II) acetate monohydrate	6046-93-1	0.3	7.5	60	300	mg/m3	T-0 changed.
682	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	2	6	10	10	mg/m3	
683	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	0.25	0.75	1.25	250	mg/m3	See CASRN 7447-39-4, SAX No. CNK500, Copper(II) chloric (1:2). T-0, T-1, T-2 changed.
684	Copper(II) oxalate	814-91-5	2.5	7.5	12.5	250	mg/m3	Added.
685	Copper(II) perchlorate, dihydrate	17031-32-2	4	12.5	20	20	mg/m3	Added. No pchem data found
686	Copper(II) sulfate pentahydrate	7758-99-8	0.4	1	20	200	mg/m3	T-0, T-1 changed.
687	Copper(II) sulfide	1317-40-4	1.5	4	7.5	150	mg/m3	Added.
688	Coumaphos	56-72-4	1.5	4	30	125	mg/m3	
689	Coumarin	91-64-5	0.025	0.075	0.6	125	mg/m3	Added
690	Coumatetralyl; (Endrocide)	5836-29-3	3	10	16.5	16.5	mg/m3	
691	Creosote (coal tar)	8001-58-9	0.2	0.6	80	80	mg/m3	
692	Cresols	1319-77-3	5	15	25	250	ppm	See LEL formatting note.
693	Cresyl violet acetate	10510-54-0	10	30	50	250	mg/m3	Added. Not found in database
694	Crimidine; (Castrix)	535-89-7	0.25	0.75	1.2	1.2	mg/m3	
695	Cristobalite	14464-46-1	0.05	0.15	2.5	25	mg/m3	
696	Crocidolite	12001-28-4	0.005	0.015	5	250	mg/m3	
697	**Crotonaldehyde**	**4170-30-3**	0.19	0.19	4.4	14	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts changed. See LEL formatting note.
698	**Crotonaldehyde, trans-**	**123-73-9**	0.06	0.19	4.4	14	ppm	**Interim AEGL-1, -2, -3** All Ts changed. See LEL formatting note.
699	Crotonic Acid	3724-65-0	4	12.5	75	400	mg/m3	
700	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	10	30	150	150	mg/m3	See LEL formatting note.
701	Cumene; (Isopropyl benzene)	98-82-8	50	50	50	***900***	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
702	Cumenol methylcarbamate, m-; (3-(1-methylethyl)phenol methylcarbamate)	64-00-6	3	10	16	16	mg/m3	Synonym corected.
703	Cupferron; (Ammonium-n-nitrosophenylhydroxylamine)	135-20-6	7.5	25	75	75	mg/m3	
704	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	0.15	0.4	0.75	200	mg/m3	T-0, T-1, T-2 changed.
705	Cupric nitrate hemipentahydrate	19004-19-4	3.5	10	15	350	mg/m3	
706	Cupric nitrite	14984-71-5	0.125	0.15	0.6	60	mg/m3	CASRN in TSCA, MF = Cu.2 H N-O2. T-0, T-1 changed. SAI
707	Cupric oxide	1317-38-0	0.125	0.35	0.6	125	mg/m3	T-0, T-1, T-2 changed.
708	Cyanamide	420-04-2	2	6	10	35	mg/m3	
709	Cyanide	57-12-5	5	5	5	25	mg/m3	
710	Cyanoacetamide	107-91-5	6	20	150	500	mg/m3	
711	Cyanogen	460-19-5	10	10	10	15	ppm	See LEL formatting note.
712	Cyanogen bromide	506-68-3	20	44	44	44	mg/m3	
713	**Cyanogen chloride**	**506-77-4**	0.3	0.3	0.4	4	ppm	**ERPG-2, -3**
714	Cyanogen iodide	506-78-5	35	100	180	180	mg/m3	
715	Cyanoguanidene	461-58-5	0.5	1.5	10	200	mg/m3	
716	Cyanophos	2636-26-2	1.25	3.5	25	25	mg/m3	CN limits not used
717	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	1.25	3.5	25	500	mg/m3	
718	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	0.17	0.17	0.17	75	mg/m3	
719	Cyclohexane	110-82-7	300	900	***1300***	***1300***	ppm	See LEL formatting note.
720	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	10	30	50	250	mg/m3	Added. No tox data except irritation and physical data fror ChemFinder vendor catalog.
721	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	12.5	40	250	500	mg/m3	Added.
722	Cyclohexanol	108-93-0	50	50	50	400	ppm	See LEL formatting note.
723	Cyclohexanone; (Ketohexamethylene)	108-94-1	50	50	50	700	ppm	See LEL formatting note.
724	Cyclohexene	110-83-8	300	300	500	***2000***	ppm	See LEL formatting note.
725	Cycloheximide	66-81-9	0.1	0.3	2	2	mg/m3	
726	Cyclohexyl methyl phosphonic acid	1932-60-1	10	30	50	250	mg/m3	Added. Not found in database MSDS pchem data.
727	**Cyclohexylamine**	**108-91-8**	1.8	1.8	8.6	30	ppm	**Interim AEGL-1, -2, -3** A Ts changed. See LEL formatti note.
728	Cyclohexylethanol, 2-	4442-79-9	4	10	75	400	mg/m3	Added.
729	Cyclooctadiene, 1,5-	111-78-4	100	300	***2000***	***10000***	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
730	Cyclooctatetraene, 1,3,5,7-	629-20-9	60000	145000	280000	500000	ppm	Simple asphyxiant (see Introduction)
731	Cyclooctene, cis-	931-87-3	3.5	10	60	350	mg/m3	Added. TSCA listed, no toxicit data, assumed HHR =3.
732	Cyclopentane	287-92-3	600	***1800***	***4000***	***15000***	ppm	See LEL formatting note.
733	Cyclopropane	75-19-4	600	1500	***12500***	***60000***	ppm	See LEL formatting note.
734	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	0.04	0.125	0.75	500	mg/m3	T-0, T-1, T-2 changed.
735	Cyclotol; (RDX-TNT mixture)	z-0010	0.2	3	3	250	mg/m3	2,4,6-Trinitrotoluene mixed wit Hexahydro-1,3,5-trinitro-1,3,5 triazine. See PBX
736	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	0.5	3	3	40	mg/m3	CASRN also used for RDX an HMX mixtures
737	Cytodine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	7.5	25	150	500	mg/m3	
738	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	3.5	10	150	500	mg/m3	**SAR**
739	DDD (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	10	30	50	50	mg/m3	
740	DDE (2.2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	10	30	50	400	mg/m3	
741	DDT (Dichlorodiphenyltrichloroethane)	50-29-3	1	3	5	500	mg/m3	
742	DEAE SEPHAROSE CL-6B	62610-50-8	10	30	50	250	mg/m3	Not found in databases, PNO used
743	Decaborane	17702-41-9	0.3	0.75	10	15	mg/m3	
744	Decahydronaphthalene	91-17-8	0.5	1.5	10	75	ppm	Added. CASRN changed, 295 76-1 is Methyldacahydronaphthalene
745	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	0.5	1.5	10	75	ppm	SAX has CASRN = 91-17-8 fc generic Decalin. HC&P has 49 01-6 for "cis", 493-02-7 for "trans"
746	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	0.5	1.5	10	75	ppm	SAX has CASRN = 91-17-8 fc generic Decalin. HC&P has 49 01-6 for "cis", 493-02-7 for "trans"
747	Decamethylcyclopentasiloxane	541-02-6	10	30	50	500	mg/m3	Synonym = Silicone (several formulations)
748	Decanal	112-31-2	2.5	7.5	50	250	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
749	Decane	124-18-5	0.06	0.2	1.25	***5000***	ppm	See LEL formatting note. T-0, 1, T-2 changed.
750	Decene, 1-, homopolymer, hydrogenated	68037-01-4	10	30	50	250	mg/m3	
751	Decyl alcohol; (1-Decanol)	112-30-1	4	12.5	75	500	mg/m3	
752	Demeton	8065-48-3	0.1	0.15	2	10	mg/m3	SAX name = "Demeton-o+demeton-s"; MW is 258.34 i some references. See LEL formatting note.
753	Demeton-s-methyl	919-86-8	0.05	0.15	5	200	mg/m3	
754	Deuterium	7782-39-0	***60000***	***145000***	***280000***	***500000***	ppm	Simple asphyxiant (see Introduction) See LEL formatti note. All Ts changed.
755	Deuterium oxide; (Heavy water)	7789-20-0	2000	6000	40000	200000	ppm	
756	Dextran	9004-54-0	0.35	1	6	500	mg/m3	
757	Dextran sulfate sodium	9011-18-1	15	40	300	500	mg/m3	
758	Di-2-ethylhexyl adipate	103-23-1	50	***150***	***500***	***500***	mg/m3	See LEL formatting note.
759	Diacetoxydibutyl stannane	1067-33-0	0.3	0.6	1.5	75	mg/m3	Added.
760	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	7.5	20	150	500	mg/m3	
761	Dialifor	10311-84-9	1	3	5	5	mg/m3	
762	Diallyl phthalate	131-17-9	1	1	300	300	mg/m3	
763	Diallylmethylammonium chloride polymer	26062-79-3	12.5	35	250	500	mg/m3	
764	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	0.5	1.5	10	300	mg/m3	
765	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	1	3	20	400	mg/m3	
766	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	0.6	1.5	12.5	60	ppm	Added.
767	Diamond	7782-40-3	7.5	20	150	500	mg/m3	Added
768	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	0.1	0.35	2.5	7.5	mg/m3	T-0, T-1, T-2 changed.
769	Diatomaceous earth (flux calcinated; Filter agent, celite)	68855-54-9	10	30	50	500	mg/m3	
770	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-3	10	30	50	500	mg/m3	
771	Diatomaceous silica, calcined	91053-39-3	0.3	0.9	1.5	7.5	mg/m3	Added. TSCA listed. MAK fo Silica-amorphous diatomaceou earth (calcined)

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
772	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	1	3	20	500	mg/m3	Added.
773	Diazomethane	334-88-3	0.2	0.6	2	2	ppm	
774	Dibenza(a,h)anthracene	53-70-3	10	30	50	50	mg/m3	
775	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	0.005	0.015	0.1	0.5	mg/m3	All Ts changed.
776	Dibenzofuran	132-64-9	10	30	50	250	mg/m3	
777	Dibenzo-p-dioxin	262-12-4	1.5	4	30	500	mg/m3	T-0, T-1, T-2 changed.
778	**Diborane**	**19287-45-7**	0.1	0.15	1	3.7	ppm	**ERPG-2, -3, final AEGL-2 -3** T-3 changed. See LEL formatting note.
779	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	0.001	0.003	0.005	15	ppm	
780	Dibromo-4-nitrophenol, 2,6-	99-28-5	0.04	0.1	0.75	4	ppm	
781	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	2	6	40	150	mg/m3	
782	Dibromomethane	74-95-3	0.5	1.5	10	500	mg/m3	
783	Dibromophenol, 2,6-	608-33-3	0.5	0.5	2.5	2.5	mg/m3	SAR
784	Dibromopropane, 1,3-	109-64-8	2	6	40	200	mg/m3	T-3 uses 'ip' data All Ts changed.
785	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	150	500	3500	15000	ppm	
786	Dibutyl (2-ethylhexyl)phosphate	z-0011	0.2	0.6	0.7	0.7	ppm	SAR
787	Dibutyl butylphosphonate	78-46-6	0.04	0.125	1	5	ppm	
788	Dibutyl peroxide, tert-	110-05-4	1.25	4	25	400	ppm	See LEL formatting note.
789	Dibutyl phosphate	107-66-4	1	2	5	30	ppm	
790	Dibutyl phosphite	1809-19-4	12.5	40	250	500	mg/m3	
791	Dibutyl phthalate	84-74-2	5	15	250	***500***	mg/m3	See LEL formatting note.
792	Dibutylhexamethylenediamine, N,N'-	4835-11-4	1	3	20	75	mg/m3	
793	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	0.004	0.0125	0.075	500	mg/m3	T-0, T-1, T-2 changed.
794	Dichloro(4,4-dimethylzinc - 5((((methylamino)carbonyl) oxy)-imino)pentanenitrile), (trans-4)-; (Ethienocarb)	58270-08-9	1.5	5	9	9	mg/m3	
795	**Dichloro-1-fluoroethane, 1,1-; (HCFC-141b; Freon 141)**	**1717-00-6**	500	1000	1700	3000	ppm	**Final AEGL-1, -2, -3** T-1, 2, T-3 changed. See LEL formatting note.
796	Dichloro-2-butene 1,4-	764-41-0	0.005	0.015	2.5	125	ppm	See LEL formatting note.
797	Dichloro-2-propanol, 1,3-	96-23-1	6	15	50	50	ppm	Added.
798	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	2.5	7.5	13	13	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
799	Dichloroacetic acid	79-43-6	0.5	1.5	2.5	200	ppm	See LEL formatting note.
800	Dichloroacetyl Chloride	79-36-7	2	6	40	200	ppm	Added. Rat sc TD lo = 2 mg/kg 8(I ignored.
801	Dichloroacetylene	7572-29-4	0.1	0.1	4	4	ppm	
802	Dichloroamine; (Chlorimide)	3400-09-7	0.25	0.75	6	30	ppm	
803	Dichlorobenzene, m-	541-73-1	0.75	2	15	75	ppm	See LEL formatting note.
804	Dichlorobenzene, o-	95-50-1	25	50	50	200	ppm	See LEL formatting note.
805	Dichlorobenzene, p-	106-46-7	75	110	110	150	ppm	See LEL formatting note.
806	Dichlorobenzidene 3,3'-	91-94-1	0.2	0.6	4	200	ppm	
807	Dichlorocyclohexane, 1,1-	2108-92-1	0.25	0.75	6	30	ppm	**SAR**
808	Dichlorocyclohexane, trans-1,2-	822-86-6	75	250	500	500	mg/m3	In H&N, used chlorocyclohexane, CASRN 54 18-7
809	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	1000	3000	10000	15000	ppm	
810	Dichloroethanol acetate, 1,2-	10140-87-1	0.35	1	1.71	6	ppm	
811	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane)	111-44-4	5	10	25.7	100	ppm	See LEL formatting note.
812	Dichloroethylaluminum; (example of Alkylaluminums)	563-43-9	7.5	7.5	7.5	7.5	mg/m3	
813	Dichloroethylbenzene; (Ethyldichlorobenzene)	1331-29-9	20	60	500	500	mg/m3	
814	Dichloroethylene, 1,2-	540-59-0	200	600	1000	1000	ppm	See LEL formatting note.
815	**Dichloroethylene, cis-1,2-**	**156-59-2**	140	140	500	850	ppm	**Interim AEGL-1, -2, -3** A Ts changed. See LEL formatti note.
816	**Dichloroethylene, cis-and trans-1,2-**	**156-60-5**	75	280	1000	***17000***	ppm	**Interim AEGL-1, -2, -3** A Ts changed. See LEL formatti note.
817	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	10	30	5000	5000	ppm	
818	Dichlorohexane, 1,2-	2162-92-7	0.25	0.75	6	30	ppm	
819	Dichloroisopropyl ether	108-60-1	3.5	10	75	350	ppm	See LEL formatting note.
820	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	0.6	2	6	6	ppm	
821	**Dichloromethyl ether; (bis(Chloromethyl)ether)**	**542-88-1**	0.001	0.003	0.1	0.5	ppm	**ERPG-2, -3.**
822	Dichloromethylphenylsilane	149-74-6	1	3	20	20	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
823	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	0.075	0.2	1.5	7.5	ppm	
824	Dichlorophene	97-23-4	6	15	125	500	mg/m3	
825	Dichlorophenol, 2,4-	120-83-2	10	30	50	250	mg/m3	
826	Dichlorophenol, 2,6-	87-65-0	10	10	35	150	mg/m3	
827	Dichlorophenoxyacetic acid, 2,4-; (2,4-D salts and esters)	94-75-7	10	10	40	100	mg/m3	
828	Dichloropropane	26638-19-7	4	12.5	75	400	ppm	See LEL formatting note.
829	Dichloropropane, 1,1-	78-99-9	4	12.5	75	400	ppm	See LEL formatting note.
830	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	75	110	110	400	ppm	See LEL formatting note.
831	Dichloropropane, 1,3-	142-28-9	5	15	100	350	ppm	See LEL formatting note. T-0, T-1, T-2 changed.
832	Dichloropropane, 2,2-	594-20-7	75	110	110	400	ppm	Used propylene dichloride. See LEL formatting note.
833	Dichloropropene, 1,1-	563-58-6	1	3	5	200	ppm	
834	Dichloropropene, 1,3-	542-75-6	1	3	5	50	ppm	See LEL formatting note.
835	Dichloropropene, 2,3-	78-88-6	0.5	1.5	10	50	ppm	See LEL formatting note.
836	Dichloropropene, cis-1,2-; (1,2-dichloro-1-propene, (Z)-)	6923-20-2	15	50	75	400	ppm	See LEL formatting note.
837	Dichloropropene, cis-1,3-	10061-01-5	1	2.5	5	12.5	ppm	Mixture of cis- and trans- has CASRN 542-75-6
838	Dichloropropene, trans-1,2-; (Propylene dichloride; 1,2-dichloro-1-propene, (E)-)	563-54-2	15	50	75	400	ppm	See LEL formatting note.
839	Dichloropropene, trans-1,3-	10061-02-6	1	3	5	25	ppm	Used cis-1,3 isomer (DGH20(
840	Dichlorosilane	4109-96-0	12.5	35	75	75	ppm	See LEL formatting note.
841	Dichlorotetrafluoroethane	1320-37-2	1000	3000	5000	15000	ppm	Added. Refrigerant also listed under CASRN = 76-14-2
842	Dichlorotetrafluoroethane; (Freon 114, CFC 114)	76-14-2	1000	3000	10000	15000	ppm	
843	Dichlorovos; (Dichlorvos)	62-73-7	0.3	0.3	2.21	100	ppm	
844	Dicrotophos	141-66-2	0.25	0.75	0.9	40	mg/m3	
845	Dicyclohexano-18-crown-6	16069-36-6	0.2	0.6	4	75	mg/m3	
846	Dicyclohexylcarbodiimide	538-75-0	0.0035	0.01	0.06	100	mg/m3	Added.
847	Dicyclopentadiene	77-73-6	5	5	7.5	40	ppm	See LEL formatting note.
848	Dieldrin	60-57-1	0.25	0.75	1.25	50	mg/m3	
849	Diesel fuel marine; (Diesel fuel No. 4)	z-0012	100	300	500	500	mg/m3	TLV-TWA added. CASRN no assigned (LANL). T-1 changed
850	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	100	100	100	500	mg/m3	TLV-TWA added T-0, T-1, T- changed.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fron TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
851	Diesel fuels	68334-30-5	100	100	500	500	mg/m3	See LEL formatting note. T-(changed.
852	Diethanolamine	111-42-2	2	6	10	300	mg/m3	See LEL formatting note.
853	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (DOWEX-50-X8 resin)	69011-20-7	10	30	50	250	mg/m3	
854	Diethoxydimethylsilane	78-62-6	4	12.5	100	500	ppm	See LEL formatting note.
855	Diethyl (methylthiomethyl) phosphonate	28460-01-7	0.05	0.15	1	5	ppm	Not found; LD50 based on Methyl demeton methyl, CASRN=2587-90-8, MF=C5.H13.O3.P.S2. MSDS states irritant
856	Diethyl benzene isomers	25340-17-4	5	5	7.5	60	ppm	Added.
857	Diethyl chlorophosphate	814-49-3	0.4	1	8	8	mg/m3	
858	Diethyl ethylphosphonate	78-38-6	7.5	25	150	500	mg/m3	
859	Diethyl malonate; (Ethyl malonate)	105-53-3	10	30	200	1000	ppm	See LEL formatting note.
860	Diethyl mercury	627-44-1	0.0125	0.04	0.05	2.5	mg/m3	
861	Diethyl methylphosphonate; (DEMP)	683-08-9	7.5	25	200	500	mg/m3	
862	Diethyl oxalate	95-92-1	1.5	5	35	150	mg/m3	
863	Diethyl phosphite	762-04-9	15	50	350	500	mg/m3	Added.
864	Diethyl phthalate; (Ethyl phthalate)	84-66-2	5	15	25	500	mg/m3	See LEL formatting note.
865	Diethyl sulfate	64-67-5	0.3	0.75	6	25	ppm	See LEL formatting note.
866	Diethylamine	109-89-7	15	15	25	200	ppm	See LEL formatting note.
867	Diethylaminoacetone	1620-14-0	0.5	1.5	10	50	ppm	**SAR**
868	Diethylaniline, n,n-	91-66-7	3	10	60	350	mg/m3	
869	Diethylbenzene, m-	141-93-5	40	125	500	500	mg/m3	
870	Diethylbenzene, o-	135-01-3	1.5	5	35	500	mg/m3	T-0, T-1, T-2 changed.
871	Diethylene glycol	111-46-6	2.31	6.915489	11.52581	100	ppm	See LEL formatting note.
872	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	15	50	350	500	mg/m3	
873	Diethylene glycol diacetate; (Diacetate-2,2'-oxybis-ethanol)	628-68-2	100	300	500	500	mg/m3	Synonym corrected.
874	Diethylene glycol dimethyl ethyl; (Bis(2-methoxy ethyl)ether)	111-96-6	5	15	25	400	ppm	See LEL formatting note.
875	Diethylenetriamine	111-40-0	1	1	1.25	100	ppm	See LEL formatting note. T-2 changed.
876	Diethylenetriaminepentaacetic acid	67-43-6	10	30	50	200	mg/m3	
877	Diethylphosphatoethyltriethoxy silane	757-44-8	75	200	500	500	mg/m3	Added.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
878	Diethylstilbestrol; (Phenol,4,4-(1,2-diethyl-1,2-ethenediyl) bis-, (E))	56-53-1	0.0125	0.04	0.3	15	mg/m3	
879	Diethylthiourea, n,n'-	105-55-5	0.6	1.5	12.5	125	mg/m3	
880	Diethylurea, 1,3-	623-76-7	5	15	100	600	ppm	See LEL formatting note.
881	Diethylzinc	557-20-0	1.5	3.5	3.5	10	ppm	Limits and LC50 based on SA Safety Profile
882	Difluoroethane; (1,1-Difluoroethane)	75-37-6	400	1250	***7500***	***75000***	ppm	See LEL formatting note.
883	Difluoromethane; (Methylene fluoride)	75-10-5	10000	30000	200000	350000	ppm	Added.
884	Digitoxin	71-63-6	0.0075	0.025	0.18	0.25	mg/m3	
885	Diglycidyl Ether	2238-07-5	0.1	0.5	10	10	ppm	
886	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	40	125	500	500	mg/m3	
887	Digoxin	20830-75-5	0.04	0.125	0.2	0.35	mg/m3	
888	Dihexyl((diethylcarbamoyl)methyl)phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	10	12.5	50	400	mg/m3	
889	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	2	6	40	500	mg/m3	
890	Dihydro-2h-pyran, 3,4-	110-87-2	0.4	1.25	7.5	40	ppm	Added. VD =2.90, no toxicity data found
891	Dihydro-3-(Nonenyl)-2,5-furandione	28928-97-4	10	30	50	250	mg/m3	Added. TSCA, H&N listed, MF differ, no toxicity data found, assumed nonvolatile.
892	Dihydro-4-methyl furan, 2,3-	34314-83-5	1.5	5	35	150	mg/m3	Not found. Based on methylfuran See LEL formattir note.
893	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	0.004	0.012	0.02	7.5	mg/m3	Synonym spelling corrected.
894	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	0.3	1	6	35	mg/m3	Added. Light sensitive.
895	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	1.5	4	30	150	ppm	Added.
896	Dihydroxyanthraquinone, 1,8-	117-10-2	25	75	200	200	mg/m3	
897	Dihydroxybenzoic acid, 2,4-	89-86-1	1	3	20	350	mg/m3	Added. Mouse LD50 > 800 mg/kg
898	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	10	30	50	250	mg/m3	Added. Chemfinder MF, MW No toxicity data, MSDS pchen data.
899	Diiodomethane; (Methylene iodide)	75-11-6	75	200	500	500	mg/m3	
900	Diisobutyl ketone	108-83-8	50	50	50	200	ppm	See LEL formatting note.
901	Diisobutylamine	110-96-3	0.2	0.6	4	20	ppm	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
902	Diisopropyl methylphosphonate	1445-75-6	10	30	50	350	mg/m3	
903	Diisopropyl peroxydicarbonate	105-64-6	7.5	25	150	500	mg/m3	Spelling corrected.
904	Diisopropylamine	108-18-9	5	6	25	200	ppm	See LEL formatting note.
905	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	0.0125	0.035	0.25	1.25	mg/m3	
906	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0	2.5	7.5	50	250	mg/m3	
907	Diisopropylethylamine, n,n-	7087-68-5	7.5	25	150	500	mg/m3	Added. TSCA, HC&P, H&N listed, no toxicity data
908	Diisopropylfluorophosphate; (Phosphorofluoridic acid, bis(1-methylethyl) ester)	55-91-4	0.75	2	3.6	3.6	mg/m3	
909	Diisopropylnaphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	12.5	40	300	500	mg/m3	
910	**Diketene; (Ketene dimer)**	**674-82-8**	0.35	1	5	20	ppm	**ERPG-1, -2, -3** See LEL formatting note.
911	Dilauroyl peroxide	105-74-8	0.003	0.01	0.06	0.35	mg/m3	All Ts changed.
912	Dimefox; (bis(Dimethylamido)fluorophosphate); Phosphorodithioate)	115-26-4	0.2	0.6	1	1	mg/m3	
913	Dimehtyl cyclopentanol, 1,3-	19550-46-0	10	30	50	250	mg/m3	Added. Not found in database MF, MW from ChemFinder.
914	Dimethoate	60-51-5	6	15	30	30	mg/m3	
915	Dimethoxybenzene, 1,3-	151-10-0	3.5	10	75	400	mg/m3	Added.
916	Dimethoxybenzene, O-	91-16-7	3.5	10	75	400	mg/m3	Added.
917	Dimethoxybenzidene 3,3'-; (o-Dianisidine)	119-90-4	1.25	4	25	500	mg/m3	T-0, T-1, T-2 changed.
918	Dimethoxybutane, 1,3-	10143-66-5	7.5	25	150	750	ppm	See LEL formatting note.
919	Dimethoxybutane, 2,2-	3453-99-4	7.5	20	150	750	ppm	Not found. Based on 1,3-dimethoxybutane. See LEL formatting note.
920	Dimethoxydiphenylsilane	6843-66-9	0.15	0.5	3.5	15	mg/m3	Added. Rat LC > 42 mg/m3
921	Dimethoxyethane, 1,2-	110-71-4	3.5	10	75	1000	ppm	See LEL formatting note.
922	Dimethyglyoxime; (Diacetyldioxime)	95-45-4	10	30	50	200	mg/m3	
923	Dimethyl butane, 2,2-	75-83-2	500	510	510	***2500***	ppm	See LEL formatting note.
924	Dimethyl carbamoyl chloride	79-44-7	0.2	0.6	4	100	ppm	
925	Dimethyl carbonate	616-38-6	15	40	300	1500	ppm	Added
926	**Dimethyl disulfide**	**624-92-0**	0.0035	0.01	50	250	ppm	**ERPG-1, -2, -3** See LEL formatting note.
927	Dimethyl hydrogen phosphite	868-85-9	20	60	400	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
928	Dimethyl mercury	593-74-8	0.01	0.035	0.04	2	mg/m3	
929	Dimethyl methylphosphonate; (DMMP)	756-79-6	100	350	500	500	mg/m3	
930	Dimethyl phosphorochloridothioate	2524-03-0	1.5	4	30	150	mg/m3	
931	Dimethyl siloxane; (Syltherm XLT; Silicone 360)	63148-62-9	10	30	50	250	mg/m3	
932	Dimethyl sulfate	77-78-1	0.97	0.97	0.97	7	ppm	
933	**Dimethyl sulfide; (2-Thiopropane)**	**75-18-3**	50	150	1000	***5000***	ppm	**ERPG-2 and -3 revised, ERP(1 ignored.** See LEL formattin note.
934	Dimethyl sulfone	67-71-0	20	60	400	500	mg/m3	Added. Rat LD50 > 5 g/kg
935	Dimethyl sulfoxide; (DMSO)	67-68-5	35	100	500	500	mg/m3	See LEL formatting note.
936	Dimethyl(1-phenylethyl)benzene	40766-31-2	10	30	50	500	mg/m3	
937	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	5	15	100	500	ppm	Added.
938	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	0.4	1.25	7.5	40	ppm	
939	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	10	30	50	250	mg/m3	Added. TSCA, HC&P listed, n toxicity data. MSDS pchem da differs.
940	Dimethyl-3-pentanone, 2,4-	565-80-0	5	15	100	1000	ppm	Added.
941	Dimethyl-5-phenylphenazinium chloride, 3,7-, diamino-, 2,8-; (Safranine)	477-73-6	0.25	0.75	5	25	mg/m3	Added. No pchem data found
942	Dimethylacetiminde, n,n-	127-19-5	10	30	50	300	ppm	See LEL formatting note.
943	Dimethylacrylamide, N,N-	2680-03-7	0.6	1.5	12.5	200	mg/m3	Added. No pchem data foun
944	**Dimethylamine**	**124-40-3**	10	15	100	350	ppm	**ERPG-1 and -3 revised; ignored ERPG-1.** See LEL formatting note.
945	Dimethylamino)benzaldehyde, p-(	100-10-7	7.5	25	150	250	mg/m3	
946	Dimethylamino)phenyl)azo)benzenesulfoni c acid, sodium salt, P-((P-(; (Methyl orange,sodium salt)	547-58-0	0.25	0.75	5	25	mg/m3	Added. SAX, RTECS, HC&P H&N all have H14, but HSDB TSCA have H15 in MF
947	Dimethylaminoazobenzene, 4-	60-11-7	15	50	75	75	mg/m3	
948	Dimethylaminoethanol, 2-	108-01-0	12.5	35	150	150	ppm	Added.
949	Dimethylaniline, N,N-	121-69-7	5	10	10	100	ppm	
950	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	0.1	0.3	2	100	mg/m3	
951	Dimethylcyclohexane, cis-1,4-	624-29-3	0.75	2	15	75	ppm	In H&N, based on cyclohexan
952	Dimethyldecane, 2,2-	17302-37-3	50.3	50.3	259	***1250***	ppm	See LEL formatting note.
953	**Dimethyldichlorosilane**	**75-78-5**	0.3	0.9	13	53	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts changed. See LEL formattinç note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
954	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	0.75	2.5	15	50	ppm	
955	**Dimethylformamide**	**68-12-2**	2	2	90	180	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** T-2, T-3 changed. See LEL formatting note.
956	Dimethylheptane, 2,2-	1071-26-7	66.8	66.8	343	***1500***	ppm	In HC&P; NIOSH limits for Alkanes used. See LEL formatting note.
957	Dimethylhexane, 3,3-	563-16-6	75	75	386	***2000***	ppm	In HC&P; NIOSH limits for Alkanes used. **See LEL formatting note.**
958	**Dimethylhydrazine, 1,1-**	**57-14-7**	0.03	0.03	3	11	ppm	**Final AEGL-2, -3.** T-2, T- changed. See LEL formattinç note.
959	**Dimethylhydrazine, 1,2-**	**540-73-8**	0.6	1.5	3	11	ppm	**Final AEGL-2, -3.** All Ts changed.
960	Dimethylnonane, 2,6-	17302-23-7	125	250	250	250	ppm	Based on nonane-butane ratic See LEL formatting note.
961	Dimethyloctane, 3,5-	15869-93-9	100	200	500	***2500***	ppm	Based on octane-butane ratio See LEL formatting note.
962	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	0.3	1	6	500	mg/m3	T-0, T-1, T-2 changed.
963	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	0.75	2	15	125	mg/m3	
964	Dimethylphthalate	131-11-3	5	15	25	500	mg/m3	See LEL formatting note.
965	Dimethyl-p-phenylenediamine, N,N-	99-98-9	0.025	0.075	0.13	1	mg/m3	
966	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	610	610	610	***50000***	ppm	See LEL formatting note.
967	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	0.15	0.5	4	20	ppm	
968	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	10	30	50	250	mg/m3	Added. Not found in database
969	Dimetilan	644-64-4	5	15	25	25	mg/m3	
970	Di-N-amylamine	2050-92-2	0.06	0.2	1.25	6	ppm	Added.
971	Di-n-butylamine	111-92-2	0.5	1.5	10	50	ppm	
972	Dinitraniline orange; (Hansa orange RN)	3468-63-1	10	30	50	250	mg/m3	
973	Dinitroaniline, 2,4-	97-02-9	0.035	0.1	0.75	12.5	mg/m3	
974	Dinitrobenzene, m-	99-65-0	1	3	5	50	mg/m3	
975	Dinitrobenzene, o-	528-29-0	1	3	5	50	mg/m3	See LEL formatting note.
976	Dinitrobenzene, p-	100-25-4	1	3	5	50	mg/m3	Synonym deleted. See LEL formatting note.
977	Dinitro-o-cresol, 4,6- and salts	534-52-1	0.2	0.2	0.5	5	mg/m3	

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No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fron TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
978	Dinitrophenol	25550-58-7	0.25	0.75	5	25	mg/m3	
979	Dinitrophenol, 2,3-	66-56-8	0.75	2	15	75	mg/m3	
980	Dinitrophenol, 2,4-	51-28-5	1.5	5	30	30	mg/m3	See also CASRN 25550-58-7
981	Dinitrophenol, 2,6-	573-56-8	0.15	0.4	3	15	mg/m3	
982	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	2.5	7.5	50	250	mg/m3	Name corrected.
983	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	0.5	1.5	10	60	mg/m3	
984	Dinitrotoluene	25321-14-6	0.2	0.6	10	50	mg/m3	
985	Dinitrotoluene 2,4-	121-14-2	0.2	0.6	10	50	mg/m3	See LEL formatting note.
986	Dinitrotoluene 2,6-	606-20-2	0.2	0.6	1	50	mg/m3	See LEL formatting note.
987	Dinitrotoluene, 3,4-	610-39-9	0.2	0.6	1	50	mg/m3	. Limits are for mixed isomers
988	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	4.5	4.5	4.5	10	mg/m3	
989	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	5	15	25	25	mg/m3	
990	Dioctyl phthalate, n-;	117-84-0	15	50	400	500	mg/m3	
991	Dioctyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	7.5	20	150	500	mg/m3	
992	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	7.5	20	150	500	mg/m3	
993	**Dioxane, 1,4-**	**123-91-1**	17	17	320	760	ppm	**Interim AEGL-1, -2, -3** A Ts change. See LEL formattin note.
994	Dioxathion	78-34-2	0.2	0.6	3.5	150	mg/m3	
995	Dioxine; (TCDD; 2,3,7,8-tetrachlorodibenzo-p-dioxin)	1746-01-6	0.0006	0.0015	0.0075	0.0075	mg/m3	SAX has synonym 2,3,6,7-tetrachlorodibenzo-p-dioxin, n other databases
996	Dioxolane, 1,3-	646-06-0	20	20	69.4	***3000***	ppm	See LEL formatting note.
997	Dipentaerythritol; (Dipentek)	126-58-9	10	30	50	250	mg/m3	
998	Dipentyl pentylphosphonate	6418-56-0	10	30	50	500	mg/m3	
999	Diphacinone; (Diphenadione)	82-66-6	0.15	0.5	0.9	500	mg/m3	
1000	Diphenyl mercury (aryl compound)	587-85-9	0.1	0.1	0.1	10	mg/m3	
1001	Diphenyl; (Biphenyl)	92-52-4	1	3.9	6.5	100	mg/m3	See LEL formatting note.
1002	Diphenylamine	122-39-4	10	30	125	125	mg/m3	
1003	Diphenylguanidine, 1,3-	102-06-7	0.2	0.6	4	125	mg/m3	
1004	Diphenylhydrazine, 1,2-	122-66-7	10	30	50	125	mg/m3	
1005	Diphenylmethane	101-81-5	7.5	25	200	500	mg/m3	Added.
1006	Diphenylnitrosamine	86-30-6	7.5	25	150	500	mg/m3	
1007	Diphenyloxazole, 2,5-	92-71-7	10	30	50	300	mg/m3	

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No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1008	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	10	30	50	250	mg/m3	Added. TSCA, HC&P listed, n toxicity data. MSDS MW = 147.12
1009	Dipotassium cadmium oxide	z-0013	0.01	0.06	0.1	15	mg/m3	
1010	Dipotassium dihydrogen silicate	z-0014	10	30	50	250	mg/m3	MW = 140.30 for MF = K2H2SiO2
1011	Dipotassium metasilicate	10006-28-7	6	15	125	500	mg/m3	**SAR**
1012	Dipotassium zirconium oxide	z-0015	12.5	25	25	60	mg/m3	T-3 changed.
1013	Dipropyl ketone; (4-Heptanone)	123-19-3	50	50	60	350	ppm	See LEL formatting note.
1014	Dipropylamine	142-84-7	15	50	350	500	mg/m3	
1015	Dipropylene glycol methyl ether	34590-94-8	100	150	150	400	ppm	See LEL formatting note.
1016	Direct Black 38; (Apomine black GX)	1937-37-7	25	75	500	500	mg/m3	
1017	Di-sec-octylphthalate	117-81-7	5	10	25	***500***	mg/m3	See LEL formatting note.
1018	Disodium (2-ethylhexyl)phosphate	18541-72-5	0.02	0.06	0.4	2	mg/m3	**SAR** (CASRN in "TEELs Rev 20" incorrect)
1019	Disodium 3,6-endoxohexahydrophthalate	129-67-9	1	3	20	20	mg/m3	
1020	Disodium butylphosphate	12786-93-1	0.02	0.06	0.4	2	mg/m3	**SAR**
1021	Disodium butylphosphonate	3321-64-0	0.02	0.06	0.4	2	mg/m3	H&N lists 1-Butanephosphoni acid, MW = 138.10 **SAR**
1022	Disodium cadmium oxide (X)	z-0016	0.0075	0.05	0.075	15	mg/m3	
1023	Disodium dihydrogen silicate	z-0017	10	30	50	250	mg/m3	
1024	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	4	12.5	75	400	mg/m3	RTECS MW = 222.18 SAR
1025	Disodium iminodiacetate (IDA)	928-72-3	4	12.5	100	500	ppm	TSCA has MF with H7 rather than H5. See LEL formatting note.
1026	Disulfiram	97-77-8	2	2	2	125	mg/m3	T-2 changed.
1027	Disulfoton	298-04-4	0.05	0.15	2	75	mg/m3	
1028	Di-tert-butyl-hydroquinone, 2,5-	88-58-4	12.5	40	250	400	mg/m3	Added.
1029	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	4	12.5	20	20	mg/m3	
1030	Dithiobiuret	541-53-7	1	3	5	5	mg/m3	
1031	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	0.75	2	15	75	mg/m3	Added. HC&P pchem data.
1032	Dithioertythritol, 1,4-	6892-68-8	1.25	4	25	125	mg/m3	
1033	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	10	10	15	75	ppm	
1034	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	10	20	50	***750***	ppm	See LEL formatting note.
1035	Dodecamethylcyclohexasiloxane	540-97-6	10	30	50	500	mg/m3	r os LD50 > 50 g/kg **SAR**

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1036	Dodecane	112-40-3	0.05	0.15	1.25	125	ppm	See LEL formatting note. T-0, 1, T-2 changed.
1037	Dodecenylsuccinic anhydride	25377-73-5	5	15	100	500	mg/m3	
1038	Dodecyl alcohol	112-53-8	0.4	1	7.5	500	mg/m3	T-0, T-1, T-2 changed.
1039	Dodecyl methacrylate	142-90-5	5	15	100	500	ppm	Added.
1040	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0	2.5	7.5	50	250	mg/m3	
1041	Dodecylphenol, 4-; (mixture of isomers)	27193-86-8	7.5	25	150	500	mg/m3	Added. Pchem data varies ir SAX, HSDB, HC&P.
1042	Dodecylsarcosine sodium salt, N-; (N-laurel sarcosine sodium salt)	7631-98-3	1.5	4	30	150	mg/m3	
1043	Dowex 50WX4; (50-400 ion exchange resin)	11113-61-4	10	30	50	250	mg/m3	Added. Not found in database No MSDS, assume solid.
1044	Dysprosium nickelide (as Dy)	12175-27-8	10	30	50	250	mg/m3	
1045	Dysprosium nitrate	10143-38-1	10	30	50	500	mg/m3	
1046	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	20	60	400	500	mg/m3	Rat oral LD50 > 5 g/kg
1047	Ecolite	z-0018	10	30	50	500	mg/m3	
1048	Emetine dihydrochloride, 1-	316-42-7	0.05	0.15	0.25	0.25	mg/m3	
1049	Endosulfan	115-29-7	0.1	0.3	0.8	35	mg/m3	
1050	Endothion	2778-04-3	3.5	10	17	17	mg/m3	
1051	Endrin	72-20-8	0.1	0.3	2	2	mg/m3	See LEL formatting note.
1052	Epibatadine (nicotine-like)	z-0019	0.0015	0.004	0.025	0.025	mg/m3	
1053	Epibromohydrin	3132-64-7	1.25	3.5	25	125	mg/m3	Added.
1054	**Epichlorohydrin**	**106-89-8**	2	2	20	100	ppm	**ERPG-1, -2, -3** See LEL formatting note.
1055	Epinephrine; (Vasotonin; (R)-4-(1-hydroxy-2-(methylamino)ethyl)-1,2-Benzenediol)	51-43-4	0.25	0.25	0.25	0.25	mg/m3	
1056	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	0.3	0.3	5	5	mg/m3	
1057	Epoxy resin; (Epichlorhydrin + diethylene glycol)	25928-94-3	0.06	0.2	1.25	6	mg/m3	
1058	Epoxy resin (EPON 1001)	25068-38-6a	10	30	50	500	mg/m3	
1059	Epoxy resin (EPON 1007)	25068-38-6b	10	30	50	500	mg/m3	
1060	Epoxy resin (EPON 820)	25068-38-6c	10	30	50	500	mg/m3	
1061	Epoxy resin ERL-2795	25068-38-6d	10	30	50	500	mg/m3	
1062	Epoxy resin, cured	30583-72-3	10	30	50	250	mg/m3	
1063	Epoxybutane, 1,2- ; (1,2-Butylene oxide)	106-88-7	40	100	400	400	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1064	Epoxyethyl)-7-oxabicyclo, 3-((4.1.0)heptane	106-87-6	0.1	0.3	0.5	75	ppm	Added.
1065	Erbium nitrate pentahydrate	10031-51-3	10	30	50	250	mg/m3	
1066	Erbium(III) nitrate	10168-80-6	0.2	0.6	5	25	mg/m3	
1067	Erbium(III) nitrate hexahydrate	13476-05-6	1	3	20	100	mg/m3	
1068	Erbium(III) oxide	12061-16-4	20	60	400	500	mg/m3	Rat LD50 > 5 g/kg
1069	Ergocalciferol; (Vitamin D2)	50-14-6	7.5	25	40	40	mg/m3	Used RTECS wmn TDlo, not SAX
1070	Ergotamine tartrate	379-79-3	2	6	10	60	mg/m3	
1071	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	10	30	50	250	mg/m3	OHMTADS lists "Estane-5703 CASRN = 51-79-6, MSDS no useful
1072	Ethane	74-84-0	1000	***3000***	***5000***	***25000***	ppm	Aliphatic hydrocarbon gas TL\ TWA. See LEL formatting not All Ts changed.
1073	Ethanedioic acid, dimethyl ester	553-90-2	4	12.5	75	400	mg/m3	Added.
1074	Ethanedithiol, 1,2-	540-63-6	0.35	1	7.5	40	ppm	Added.
1075	Ethanediyl)bis-benzene, 1,1'- (1,2-; (Bibenzyl)	103-29-7	15	50	400	500	mg/m3	
1076	Ethanediylbis(N-(carboxy-methyl)-glycine), N,N'-1,2-, dipotassium salt; (EDTA, dipotassium salt, dihydrate)	2001-94-7	1.5	5	40	200	mg/m3	Added. RTECS toxicity data
1077	Ethanediyl-bis, 1,1'-(1,2-(oxy))bisbenzene	104-66-5	10	30	50	250	mg/m3	Added. TSCA, HC&P, H&N listed, no toxicity data. MSDS solid.
1078	Ethanethiol; (Ethyl mercaptan)	75-08-1	0.5	10	10	500	ppm	See LEL formatting note.
1079	Ethanol, titanium(4+) salt	3087-36-3	10	30	50	250	mg/m3	Added. TSCA, H&N listed, nc toxicity data, assumed nonvolatile liquid.
1080	Ethanolamine	141-43-5	3	6	30	30	ppm	See LEL formatting note.
1081	Ethenylsilanetriol triacetate	4130-08-9	10	30	50	250	mg/m3	Added. TSCA, HC&P listed, n toxicity data, no MSDS found assumed nonvolatile.
1082	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	0.15	0.5	4	20	mg/m3	
1083	Ethion	563-12-2	0.4	1.2	13	350	mg/m3	
1084	Ethoxyethanol, 2-	110-80-5	0.5	15	250	500	ppm	See LEL formatting note.
1085	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Glycol ether DE)	111-90-0	25	75	125	400	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1086	Ethoxyethyl methacrylate, 2-	2370-63-0	4	12.5	75	400	mg/m3	Added. TSCA listed, no toxicit or pchem data found. Toxicity based on Ethoxyethyl acrylate (106-74-1).
1087	Ethoxyethylacetate, 2-	111-15-9	0.5	15	25	500	ppm	See LEL formatting note.
1088	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-(; (Checkmate)	74051-80-2	25	75	500	500	mg/m3	Incomplete name changed, synonym added.
1089	Ethoxylated alcohols, C7-C21	68991-48-0	10	10	10	10	mg/m3	
1090	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	5	15	100	500	mg/m3	
1091	Ethyl (or dimethyl) pyrrolidine	z-0020	5	15	100	500	mg/m3	**SAR**
1092	Ethyl acetate	141-78-6	400	400	400	***2000***	ppm	See LEL formatting note.
1093	Ethyl acetoacetate	141-97-9	15	50	350	500	mg/m3	Added.
1094	**Ethyl acrylate**	**140-88-5**	15	15	30	300	ppm	**ERPG-2, -3; ignored ERPG-1** See LEL formatting note.
1095	Ethyl alcohol; (ethanol)	64-17-5	1000	3000	***3300***	***3300***	ppm	See LEL formatting note.
1096	Ethyl amyl ketone; (3-Octanone)	106-68-3	25	25	25	100	ppm	CASRN = 541-85-5 in OEV Guide, SAX, RTECS, etc.
1097	Ethyl benzene	100-41-4	100	125	125	***800***	ppm	See LEL formatting note.
1098	Ethyl butyl ketone; (3-Heptanone)	106-35-4	50	75	200	1000	ppm	See LEL formatting note.
1099	Ethyl cellulose	9004-57-3	20	60	400	500	mg/m3	Added. Rat oral LD50 > 5 g/k
1100	Ethyl chloride	75-00-3	1000	1000	1000	***3800***	ppm	See LEL formatting note.
1101	Ethyl chloroformate	541-41-3	1	1	2	10	ppm	
1102	**Ethyl dimethylamido-cyanophosphate; (Tabun; GA)**	**77-81-6**	0.000125	0.00042	0.0053	0.039	ppm	**Final AEGL-1, -2, -3.** All T changed.
1103	Ethyl ether	60-29-7	400	500	500	***1900***	ppm	See LEL formatting note.
1104	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	6	15	125	500	mg/m3	See LEL formatting note.
1105	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	0.0125	0.04	0.05	2.5	mg/m3	
1106	Ethyl methacrylate, (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	0.6	1.5	12.5	750	ppm	See LEL formatting note.
1107	Ethyl nitrite	109-95-5	0.6	2	12.5	60	ppm	See LEL formatting note.
1108	Ethyl O-2-diisopropylaminoethylmethylphosphonite, QL O-	57856-11-8	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data, assumed nonvolatile liqu or solid.
1109	Ethyl propionate	105-37-3	7.5	25	150	750	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1110	Ethyl s,s-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	10	30	50	50	mg/m3	
1111	Ethyl-1-hexanol, 2-	104-76-7	5	15	100	500	mg/m3	
1112	Ethyl-2-methylheptane, 3-	14676-29-0	15	50	350	***1500***	ppm	Not found in databases, LC50 estimated. See LEL formattin note.
1113	Ethyl-2-methyloctane, 6-	z-0021	0.35	1	6	35	ppm	Undecane toxicity data used (C11 Alkanes)
1114	Ethyl-5-methylheptane, 3-	52896-90-9	0.06	0.2	1.25	***5000***	ppm	See LEL formatting note. T-0, 1, T-2 changed.
1115	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Carboxylic acid sodium salt)	16550-39-3	0.001	0.003	0.02	0.1	mg/m3	
1116	Ethylamine; (Monoethylamine; Ethylamine anhydrous)	75-04-7	10	15	25	600	ppm	See LEL formatting note.
1117	Ethylbenzaldehyde	22927-13-5	10	30	200	***1000***	ppm	TSCA, HC&P, H&N & MSDS CASRN = 4748-78-1 for 4-ethylbenzaldehyde, TSCA has 53951-50-1 without "4-". "2-" n found. See LEL formatting not
1118	Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine)	538-07-8	1.5	4	7.5	30	mg/m3	
1119	Ethylene	74-85-1	200	600	1000	***15000***	ppm	See LEL formatting note. T-0, 1, T-2 changed.
1120	Ethylene chlorohydrin	107-07-3	1	1	7	7	ppm	See LEL formatting note.
1121	Ethylene dibromide	106-93-4	20	30	30	100	ppm	
1122	**Ethylene dichloride; (1,2-Dichloroethane)**	**107-06-2**	50	50	200	300	ppm	**ERPG-1, -2, -3** See LEL formatting note.
1123	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	0.005	0.015	0.0267	1.25	ppm	
1124	Ethylene glycol	107-21-1	10	20	40	60	ppm	
1125	Ethylene glycol dimethacrylate	97-90-5	12.5	40	300	500	mg/m3	Added.
1126	Ethylene glycol monomethyl ether; (Methyl Cellosolve(R))	109-86-4	5	5	5	1700	ppm	
1127	Ethylene glycol monopropyl ether; (Propyl cellosolve, Ektasolve EP)	2807-30-9	4	12.5	75	400	ppm	
1128	Ethylene glycol mono-sec-butyl ether	7795-91-7	3	10	60	350	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1129	**Ethylene oxide; (Oxirane)**	**75-21-8**	1	5	45	200	ppm	**ERPG-2, -3, interim AEG 2, -3.** T-2, T-3 changed.
1130	Ethylene/vinyl acetate copolmer	24937-78-8	10	30	50	250	mg/m3	Added. TSCA, H&N listed, nc toxicity data MSDS state, MP and SG.
1131	Ethylenediamine dihydrochloride	333-18-6	0.1	0.3	2	60	mg/m3	Added. No pchem data found
1132	**Ethylenediamine, 1,2-**	**107-15-3**	9.7	9.7	10	20	ppm	**Interim AEGL-2, -3** T-2, T changed. See LEL formatting note.
1133	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	60	150	500	500	mg/m3	
1134	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	10	30	50	250	mg/m3	No toxicity data
1135	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	2.5	7.5	50	250	mg/m3	Synonym deleted.
1136	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	1.25	4	30	150	mg/m3	Used Amorphous powder, CASRN = 84-02-8, SAX EIV0C data
1137	Ethylenediaminetetraacetic acid; (Tetrasodium EDTA)	64-02-8	1.25	4	30	150	mg/m3	
1138	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	10	30	150	150	mg/m3	
1139	Ethylenedinitrilo)tetra-2-propanol, 1,1',1",1'"-(	102-60-3	15	50	350	500	mg/m3	Added. Rat oral LD > 500 mg/k
1140	**Ethyleneimine**	**151-56-4**	0.5	0.6	4.6	9.9	ppm	**Interim AEGL-2, -3** See LEL formatting note.
1141	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	3.5	10	75	500	mg/m3	
1142	Ethylheptane, 4-	2216-32-2	3	10	60	350	ppm	See LEL formatting note.
1143	Ethylhexyl acrolate, 2-; (Acrylic acid-2-ethylhexyl ester)	103-11-7	0.5	1.5	10	10	ppm	See LEL formatting note.
1144	Ethylhexyl bromide, 2-	18908-66-2	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit or pchem data found. MSDS pchem data, not helpful, assumed non-volatile.
1145	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	100	300	3000	3000	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fron TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1146	**Ethylidene norbornene**	**16219-75-3**	0.2	0.2	100	500	ppm	**ERPG-1, -2, -3** See LEL formatting note.
1147	**Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)**	**50782-69-9**	0.000005	0.000016	0.00027	0.00091	ppm	**Final AEGL-1, -2, -3.** All T and units changed.
1148	Ethylthiocyanate	542-90-5	20	60	100	100	mg/m3	
1149	Ethyltoluene, o-	611-14-3	500	500	500	500	mg/m3	T-0, T-1, T-2 changed.
1150	Ethyltoluene, p-	622-96-8	40	125	500	500	mg/m3	
1151	Europium	7440-53-1	10	30	50	250	mg/m3	
1152	Europium nitrate; (Europium trinitrate)	10138-01-9	15	50	350	500	mg/m3	
1153	Europium oxide	1308-96-9	20	60	400	500	mg/m3	Rat oral LD50 > 5 g/kg
1154	Fenamiphos	22224-92-6	0.1	0.3	0.9	40	mg/m3	
1155	Fensulfothion	115-90-2	0.01	0.03	2	12.5	mg/m3	T-0, T-1 changed.
1156	Ferric ammonium citrate	1185-57-5	1	3	500	500	mg/m3	
1157	Ferric ammonium sulfate 12 hydrate	7783-83-7	7.5	25	40	200	mg/m3	Added. RTECS listed, no toxicity data.
1158	Ferric ammonium sulfate dodecahydrate	7783-83-7	7.5	25	40	200	mg/m3	
1159	Ferric ammonium sulfate; Sulfuric acid, ammonium iron(3e+) salt (2:1:1)	10138-04-2	5	15	25	125	mg/m3	
1160	Ferric chloride	7705-08-0	3	3.5	15	125	mg/m3	T-1, T-3 changed.
1161	Ferric chloride hexahydrate	10025-77-1	5	15	25	100	mg/m3	T-1, T-2 changed.
1162	Ferric fluoride	7783-50-8	15	40	75	500	mg/m3	
1163	Ferric hydroxide	1309-33-7	3.5	10	75	400	mg/m3	
1164	Ferric nitrate	10421-48-4	4	12.5	20	100	mg/m3	
1165	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	7.5	22.5	37.5	500	mg/m3	
1166	Ferric phosphate	10045-86-0	2.5	7.5	12.5	60	mg/m3	
1167	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	3.5	10	15	75	mg/m3	
1168	Ferrous ammonium sulfate	10045-89-3	5	15	25	125	mg/m3	
1169	Ferrous carbonate	563-71-3	10	30	50	250	mg/m3	Added. No toxicity data.
1170	Ferrous chloride	7758-94-3	2	6	10	200	mg/m3	
1171	Ferrous hydroxide	18624-44-7	3.5	10	75	400	mg/m3	
1172	Ferrous sulfamate	14017-39-1	1	3	5	25	mg/m3	
1173	Ferrous sulfate	7720-78-7	2.5	7.5	12.5	350	mg/m3	
1174	Ferrous sulfate heptahydrate	7782-63-0	5	15	25	500	mg/m3	
1175	Ferrous sulfide; (Iron sulfide)	12068-85-8	2	6	10	50	mg/m3	
1176	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	5	15	25	500	mg/m3	
1177	Fluenetil	4301-50-2	1.25	3.5	6	6	mg/m3	

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1178	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	3	3	7.5	40	mg/m3	
1179	Fluoranthene	206-44-0	0.004	0.01	0.075	500	mg/m3	T-0, T-1, T-2 changed.
1180	Fluorene, 9H-	86-73-7	7.5	25	150	500	mg/m3	
1181	Fluorides (as F)	16984-48-8	2.5	2.5	2.5	250	mg/m3	
1182	**Fluorine**	**7782-41-4**	0.1	1.7	5	13	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3**
1183	Fluorinert electronic liquid perfluoro compounds	86508-42-1	2.5	7.5	12.5	250	mg/m3	
1184	Fluoro-2-nitrophenol, 2-	21571-34-6	0.75	2.5	15	75	mg/m3	**SAR**
1185	Fluoro-4-nitrophenol, 2-	403-19-0	0.75	2.5	15	75	mg/m3	**SAR.** MF from H&N
1186	Fluoro-6-nitrophenol, 2-	1526-17-6	0.75	2.5	15	75	mg/m3	**SAR**
1187	Fluoroacetamide	640-19-7	1	3.5	5.8	5.8	mg/m3	
1188	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	0.05	0.15	0.5	2.5	mg/m3	
1189	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	0.075	0.25	0.47	2	mg/m3	
1190	Fluoroacetyl chloride	359-06-8	2	6	10	10	mg/m3	
1191	Fluorobenzene	462-06-6	125	350	500	500	mg/m3	
1192	Fluorotrimethylsilane	420-56-4	2.5	7.5	50	250	ppm	Based on silicon fluoride. See LEL formatting note.
1193	Fluorouracil	51-21-8	0.75	2.5	19	100	mg/m3	
1194	Fonofos	944-22-9	0.1	0.3	1.3	200	mg/m3	
1195	Food Red 15; (FD&C Red No. 19)	81-88-9	0.4	1.25	7.5	50	mg/m3	
1196	Forane	26675-46-7	2000	5000	5000	5000	ppm	
1197	**Formaldehyde**	**50-00-0**	0.3	1	10	25	ppm	**ERPG-1, -2, -3** See LEL formatting note.
1198	Formaldehyde cyanohydrin; (Hydroxyacetonitrile; Glycolonitrile)	107-16-4	0.125	0.35	2.57	4	ppm	
1199	Formamide	75-12-7	10	20	50	1250	ppm	See LEL formatting note. T-1 changed.
1200	Formetanate hydrochloride	23422-53-9	3.5	10	18	18	mg/m3	
1201	Formic acid	64-18-6	5	10	10	30	ppm	See LEL formatting note.
1202	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	4	12.5	75	400	mg/m3	
1203	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	50	150	1000	1000	ppm	See LEL formatting note.
1204	Formothion	2540-82-1	0.05	0.15	0.27	10	mg/m3	
1205	Formparanate	17702-57-7	1.5	4	7.2	7.2	mg/m3	
1206	Formylpiperidine, 1-	2591-86-8	4	10	75	75	ppm	Added.
1207	Fosthietan	21548-32-3	0.75	2.5	4.7	4.7	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1208	Fuberidazole	3878-19-1	0.6	2	3.3	125	mg/m3	
1209	Fuel oil, residual	68476-33-5	35	100	500	500	mg/m3	
1210	Fuller's earth; (Kaolin, 1332-58-7)	8031-18-3	5	6	500	500	mg/m3	Added. HSDB gives Kaolin a synonym, used Kaolin SAX da
1211	Fumaric acid	110-17-8	40	100	500	500	mg/m3	
1212	**Furan**	**110-00-9**	1.25	4	6.8	19	**ppm**	**Interim AEGL-2, -3** All T changed.See LEL formatting note.
1213	**Furancarboxaldehyde, 2-; (Furfural)**	**98-01-1**	2	2	10	100	ppm	**ERPG-1, -2, -3** See LEL formatting note.
1214	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	0.25	0.75	5	25	ppm	
1215	Furfuryl alcohol	98-00-0	15	15	15	75	ppm	See LEL formatting note.
1216	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	0.0015	0.004	0.03	0.4	mg/m3	T-0, T-1, T-2 changed.
1217	Gadolinium	7440-54-2	500	500	500	500	mg/m3	
1218	Gadolinium hydroxide	16469-18-4	0.75	0.75	2.5	75	mg/m3	**SAR**
1219	Gadolinium nitrate, solid	10168-81-7	10	30	50	500	mg/m3	
1220	Gadolinium nitrite	z-0022	0.04	0.125	0.75	75	mg/m3	**SAR**
1221	Gadolinium(III) oxide	12064-62-9	2	6	50	500	mg/m3	Rat LD50 > 5000 mg/m3
1222	Gallic acid monohydrate	5995-86-8	15	50	350	500	mg/m3	Added. Not found in database MSDS LD50.
1223	Gallium	7440-55-3	10	30	50	250	mg/m3	
1224	Gallium oxide	12024-21-4	10	30	50	500	mg/m3	
1225	Gallium trichloride	13450-90-3	6	20	32	100	mg/m3	
1226	Gallium trifluoride	7783-51-9	5	15	25	125	mg/m3	
1227	Gasoline	8006-61-9	300	500	500	***1500***	ppm	See LEL formatting note.
1228	Gelatin; (Pharmagel A)	9000-70-8	2.5	7.5	60	300	mg/m3	
1229	Germane; (Germanium tetrahydride)	7782-65-2	0.2	0.6	1	150	ppm	
1230	Germanium	7440-56-4	0.0125	0.035	0.25	500	mg/m3	Added.
1231	Germanium oxide	1310-53-8	0.75	2	15	500	mg/m3	
1232	Germanium tetrafluoride	7783-58-6	5	15	25	500	mg/m3	Added. Reacts with H2.O
1233	Germanous acid	z-0023	2	6	40	200	mg/m3	Used minimum germanium compound LD50
1234	Giemsa's stain; (... blood stain)	51811-82-6	10	30	50	250	mg/m3	No toxicity data
1235	Glucose, d-; (Dextrose, anhydrous)	50-99-7	0.4	1.25	7.5	500	mg/m3	Woman TD lo ex SAX, 20-fol lower value in RTECS ignorec
1236	Glucose; (alpha-D-glucose; Dextrose)	492-62-6	0.4	1.25	7.5	500	mg/m3	Added. Glucose, CASRN = 5(99-7, toxicity data used.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1237	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	2	6	40	200	mg/m3	Added.
1238	**Gluteraldehyde**	**111-30-8**	0.05	0.2	1	5	ppm	**ERPG-1, -2, -3**
1239	Glycerine (mist); (Glycerol, glycerin)	56-81-5	15	30	50	500	mg/m3	
1240	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	10	30	50	75	mg/m3	
1241	Glycidaldehyde	765-34-4	0.025	0.075	0.5	25	ppm	
1242	Glycine; (Aminoacetic acid)	56-40-6	25	75	500	500	mg/m3	
1243	Glycol carbonate; (Ethylene carbonate)	96-49-1	40	125	500	500	mg/m3	
1244	Glycolic acid	79-14-1	0.75	0.75	0.75	0.75	mg/m3	
1245	Glycols, polyethylene, dimethyl ether	24991-55-7	75	200	500	500	mg/m3	Added. No pchem data found SG = 1 assumed.
1246	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3	0.025	0.075	0.6	60	mg/m3	
1247	Glycoluril; (Acetyleneurea)	496-46-8	10	30	50	250	mg/m3	No toxicity data
1248	Glyoxal	107-22-2	0.1	0.3	0.5	500	mg/m3	See LEL formatting note.
1249	Goethite; (Iron hydroxide oxide)	1310-14-1	5	7.5	12.5	250	mg/m3	**SAR**
1250	Gold	7440-57-5	7.5	25	100	100	mg/m3	
1251	Graphite; (Mineral carbon)	7782-42-5	2	6	10	500	mg/m3	Names changed.
1252	Grease; (Animal grease, inedible)	68153-81-1	10	30	50	250	mg/m3	No toxicity data
1253	Guanidenehydrochloride	50-01-1	2	6	40	200	mg/m3	SAX MW wrong
1254	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	0.125	0.35	2.5	40	mg/m3	
1255	Hafnium	7440-58-6	0.5	1.5	2.5	50	mg/m3	
1256	Hafnium oxide	12055-23-1	0.6	1.5	3	60	mg/m3	
1257	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	12.5	40	250	5000	ppm	
1258	Hansa yellow	13515-40-7	10	30	50	250	mg/m3	
1259	Helium	7440-59-7	60000	145000	280000	500000	ppm	Simple asphyxiant (see Introduction)
1260	Hematoxylin	517-28-2	10	30	50	250	mg/m3	
1261	Heptachlor	76-44-8	0.15	0.15	0.25	35	mg/m3	
1262	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	0.15	0.15	0.25	6	mg/m3	
1263	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4	0.06	0.15	1.25	6	mg/m3	
1264	Heptachlorodibenzofuran, 1,2,3,4,7,8,9- ; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7	0.075	0.25	1.5	7.5	mg/m3	
1265	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9	0.15	0.5	2.5	2.5	mg/m3	T-0, T-1 changed.
1266	Heptadecane	629-78-7	15	50	350	***1500***	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1267	Heptafluorobutyric acid	375-22-4	0.6	2	12.5	60	mg/m3	Added.
1268	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	3.5	10	15	75	mg/m3	Added synonym.
1269	Heptane	142-82-5	440	440	440	750	ppm	See LEL formatting note.
1270	Heptanoic acid	111-14-8	5	15	100	600	ppm	Added.
1271	Heptanol, 1-; (Heptyl alcohol)	111-70-6	3.5	10	500	500	mg/m3	
1272	Heptene, 1-	592-76-7	1500	5000	40000	200000	ppm	Added.
1273	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	0.05	0.1	1.25	1.25	mg/m3	
1274	Hexachlorobenzene	118-74-1	0.002	0.006	1	200	mg/m3	
1275	**Hexachlorobutadiene**	**87-68-3**	0.02	1	3	10	ppm	**ERPG-1, -2, -3**
1276	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	0.5	1.5	25	500	mg/m3	
1277	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	0.5	1.5	2.5	500	mg/m3	
1278	Hexachlorocylopentadiene	77-47-4	0.01	0.0179	0.0179	0.0179	ppm	
1279	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	0.0004	0.00125	0.0075	0.4	mg/m3	
1280	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	0.0025	0.0075	0.06	0.3	mg/m3	
1281	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	0.00075	0.0025	0.015	0.075	mg/m3	
1282	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	0.04	0.125	0.75	4	mg/m3	
1283	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	0.0005	0.0015	0.01	0.05	mg/m3	
1284	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	0.005	0.015	0.1	0.5	mg/m3	SAX differs from other sources "4" changed to "6"
1285	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3	0.005	0.015	0.1	0.5	mg/m3	
1286	Hexachloroethane	67-72-1	1	3	5	300	ppm	
1287	Hexachloronaphthalene	1335-87-1	0.2	0.2	0.2	2	mg/m3	
1288	Hexachlorophene	70-30-4	10	10	20	200	mg/m3	T-2 changed.
1289	Hexachloropropene	1888-71-7	0.15	0.4	3	15	ppm	
1290	Hexadecanamine, 1-	143-27-1	0.125	0.35	2.5	75	mg/m3	Added.
1291	Hexadecane	544-76-3	150	500	500	500	mg/m3	
1292	Hexadecanoic acid; (Palmitic acid)	57-10-3	25	50	50	50	mg/m3	T-0,T-1, T-2 changed.
1293	Hexadecanol, 1-	36653-82-4	2.5	7.5	60	300	mg/m3	
1294	Hexadecene, 1-	629-73-2	0.4	1.25	10	50	ppm	LD and LC greater than value used

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1295	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	0.075	0.25	2	10	mg/m3	Added.
1296	**Hexafluoroacetone**	**684-16-2**	0.1	0.15	1	50	ppm	**ERPG-2, -3**
1297	Hexafluorodisodium silicate, 2-	16893-85-9	4	4	5	5	mg/m3	Added. Use human toxicit rath than fluoride IDLH.
1298	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	40000	40000	40000	40000	ppm	Added. LC > 20 pph
1299	**Hexafluoropropylene; (Hexafluoropropene)**	**116-15-4**	3.5	10	50	500	ppm	**ERPG-1, -2, -3**
1300	Hexafluoropropylene-vinylidene fluoride; (Viton)	9011-17-0	10	30	50	250	mg/m3	TSCA listed, no toxicity data, polymer. MSDS not useful
1301	Hexamethylcyclotrisiloxane	541-05-9	10	30	200	500	mg/m3	Based on other silanes
1302	Hexamethyldisilazane	999-97-3	12.5	40	250	350	mg/m3	T-0,T-1, T-2 changed.
1303	Hexamethyldisiloxane	107-46-0	40	125	300	300	ppm	See LEL formatting note.
1304	Hexamethylene diisocyanate polymer	28182-81-2	7.5	25	200	500	mg/m3	
1305	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	0.005	0.015	0.2	3.5	ppm	
1306	Hexamethylenetetraamine hydrochloride	58713-21-6	10	30	50	250	mg/m3	
1307	Hexamethylenetetraamine; (Methenamine)	100-97-0	10	30	50	500	mg/m3	
1308	Hexamethylphosphoramide	680-31-9	0.04	0.125	0.75	150	ppm	
1309	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	5	15	100	500	ppm	Added. No toxicity data found
1310	Hexanal	66-25-1	12.5	35	200	200	ppm	
1311	Hexane	110-54-3	50	150	250	***1100***	ppm	See LEL formatting note.
1312	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	50	150	500	500	mg/m3	Added.
1313	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	500	500	500	500	mg/m3	
1314	Hexanenitrile	628-73-9	0.5	1.5	10	50	ppm	
1315	Hexanoic acid	142-62-1	5	15	100	500	mg/m3	
1316	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	5	15	100	500	mg/m3	Added.
1317	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	0.75	2	15	75	ppm	See LEL formatting note.
1318	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	5	10	25	***1600***	ppm	See LEL formatting note.
1319	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	4	12.5	75	400	ppm	See LEL formatting note.
1320	Hexaphenylcyclotrisiloxane	512-63-0	7.5	25	150	500	mg/m3	Added. TSCA listed, no toxicit data. MSDS HHR = 2.
1321	Hexene, 1-	592-41-6	30	30	30	30	ppm	See LEL formatting note.
1322	Hexylene glycol	107-41-5	10	25	25	350	ppm	See LEL formatting note.
1323	Holmium trioxide	12055-62-8	10	30	50	250	mg/m3	No toxicity data
1324	Humic acid, sodium salt	68131-04-4	2	6	40	200	mg/m3	Added. No pchem data found

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1325	**Hydrazine**	**302-01-2**	0.1	0.1	13	35	ppm	**ERPG-1, -2, -3, interim AEGLs** All Ts changed.See LEL formatting note.
1326	Hydrazine hydrate, aequeous solutions	10217-52-4	0.03	0.06	0.06	0.06	mg/m3	See LEL formatting note. All T changed.
1327	Hydrazine hydrate; (Hydrazine monohydrate)	7803-57-8	0.003	0.0075	0.06	50	mg/m3	Synonym added. Units and a Ts changed.
1328	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	0.0075	0.025	0.04	50	mg/m3	
1329	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	1	3	5	25	mg/m3	
1330	Hydrazine sulfate	10034-93-2	0.6	2	15	250	mg/m3	.
1331	Hydrazine, dihydrochloride	5341-61-7	25	75	500	500	mg/m3	Added.
1332	Hydriodic acid; (Hydrogen iodide)	10034-85-2	0.035	0.1	0.5	5	ppm	
1333	Hydrobromic acid; (Hydrogen bromide)	10035-10-6	3	3	3	30	ppm	
1334	Hydrogen	1333-74-0	***60000***	***145000***	***280000***	***500000***	ppm	Simple asphyxiant (see Introduction) See LEL formatti note. All Ts changed.
1335	**Hydrogen chloride; (Hydrochloric acid)**	**7647-01-0**	0.5	1.8	22	100	ppm	**ERPG-1, -2, -3, final AEGLs.** All Ts changed.
1336	**Hydrogen cyanide; (Hydrocyanic acid)**	**74-90-8**	2	2	7.1	15	ppm	**ERPG-2, -3, final AEGLs** All Ts changed. See LEL formatting note.
1337	**Hydrogen fluoride; (Hydrofluoric acid)**	**7664-39-3**	1	1	24	44	ppm	**ERPG-1, -2, -3; 10-min ERPGs-1, -2, -3 are 2ppr 50 ppm, and 170 ppm. Final AEGLs.** All Ts changed.
1338	**Hydrogen peroxide**	**7722-84-1**	1	10	50	100	ppm	**ERPG-1, -2, -3**
1339	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt)	877-24-7	12.5	40	250	500	mg/m3	Rat LD50 > 3200 mg/kg
1340	**Hydrogen selenide**	**7783-07-5**	0.05	0.05	0.2	2	ppm	**ERPG-2, -3**
1341	**Hydrogen sulfide**	**7783-06-4**	0.51	0.51	27	50	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts changed. See LEL formattinç note.
1342	Hydroquinone	123-31-9	2	3	20	50	mg/m3	

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1343	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7	60	150	500	500	mg/m3	
1344	Hydrotreated Middle Distillate (Petroleum base oil)	64742-46-7	3	7.5	60	300	mg/m3	All Ts changed.
1345	Hydroxy-2-methylpropanoic acid, 2-; (2-Methyllactic acid)	594-61-6	10	30	50	250	mg/m3	No toxicity data
1346	Hydroxy-4'hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	15	50	350	500	mg/m3	Added.
1347	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	50	50	50	***1800***	ppm	See LEL formatting note.
1348	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	12.5	35	60	500	mg/m3	**SAR?**
1349	Hydroxyethyl methacrylate, 2-	868-77-9	0.1	0.3	2	500	mg/m3	Added.
1350	Hydroxyethyl)-1-piperazineethyanesulfonic acid, 4-(2-	7365-45-9	1.25	4	25	125	mg/m3	quail LD50 > 316 mg/kg
1351	Hydroxyethylenediaminetriacetic acid, n-	150-39-0	1.25	4	30	150	mg/m3	
1352	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidine bisphosphonic acid, 1-)	2809-21-4	10	30	50	500	mg/m3	Spelling of synonym correcte
1353	Hydroxylamine	7803-49-8	0.25	0.75	5	25	mg/m3	
1354	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	10	35	60	60	mg/m3	T-0, T-1 changed.
1355	Hydroxylamine nitrate	13465-08-2	7.5	15	26	150	mg/m3	
1356	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	4	10	75	400	mg/m3	
1357	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	15	50	350	500	mg/m3	Added.
1358	Hydroxy-n-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit or pchem data found. MSDS data.
1359	Hydroxyphenylacetic acid, 1-A	90-64-2	12.5	35	250	500	mg/m3	Added.
1360	Hydroxypropyl cellulose	9004-64-2	40	125	500	500	mg/m3	Added. MF, MW ex ChemFind
1361	Hydroxyquinoline sulfate, 8-	134-31-6	5	15	100	500	mg/m3	Added.
1362	Hypophosphorus acid; (Phosphinic acid)	6303-21-5	10	30	50	250	mg/m3	
1363	Imidazole	288-32-4	4	12.5	75	100	mg/m3	
1364	Imidazole hydrochloride	1467-16-9	7.5	25	150	500	mg/m3	Added. MSDS HHR = 2
1365	Iminodiacetic acid	142-73-4	1	3	20	100	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fron TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1366	Iminodiacetic acid, disodium salt hydrate	17593-73-6	35	100	500	500	mg/m3	Added. Not found in database ChemFinder irritation and pche data..
1367	Indan	496-11-7	40	125	500	500	mg/m3	
1368	Indene	95-13-6	10	10	50	300	ppm	See LEL formatting note.
1369	Indeno(1,2,3-cd)pyrene	193-39-5	0.15	0.5	3.5	15	mg/m3	
1370	Indigo carmine; (FD&C blue No 2)	860-22-0	20	60	75	75	mg/m3	
1371	Indium	7440-74-6	0.1	0.1	0.5	3.5	mg/m3	
1372	Indium oxide (vapor)	1312-43-2b	0.1	0.3	0.5	2.5	mg/m3	
1373	Indium sulfate	13464-82-9	0.2	0.6	1	4	mg/m3	Added.
1374	Indium trichloride	10025-82-8	0.2	0.6	1	1	mg/m3	
1375	Indium(III) oxide	1312-43-2a	0.125	0.35	60	500	mg/m3	
1376	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	0.75	2.5	15	75	ppm	
1377	Iodic acid	7782-68-5	0.125	0.125	0.125	2.5	mg/m3	
1378	Iodide, Ammonium, tetraethyl-; (Tetraethylammoniumiodide)	68-05-3	0.15	0.4	3	15	mg/m3	Added.
1379	**Iodine**	**7553-56-2**	0.1	0.1	0.5	5	ppm	**ERPG-1, -2, -3**
1380	Iodine 125	17144-19-3	0.1	0.1	0.5	5	ppm	Used Iodine ERPGs
1381	Iodoethane; (Ethyl iodide)	75-03-6	5	15	100	500	ppm	Added.
1382	Iotalamic acid	2276-90-6	0.06	0.15	1.25	500	mg/m3	Added.
1383	Iron	7439-89-6	1.5	4	30	500	mg/m3	T-0, T-1, T-2 changed.
1384	Iron carbide	12011-67-5	5	15	25	125	mg/m3	Treated as insoluble Fe fume
1385	Iron hydroxide oxide	20344-49-4	15	50	75	350	mg/m3	
1386	Iron oxide; (Ferric oxide)	1309-37-1	15	20	35	500	mg/m3	T-0, T-1, T-2 changed.
1387	**Iron pentacarbonyl**	**13463-40-6**	0.06	0.06	0.06	0.18	ppm	**Interim AEGL-2, -3.** All T changed.
1388	Iron(II) chloride tetrahydrate	13478-10-9	3.5	3.5	7.5	40	mg/m3	
1389	Iron(II) perchlorate hexahydrate	13520-69-9	6	15	30	150	mg/m3	Added. Not found in database assumed MF, calculated MW
1390	Iron(II,III) oxide; (Ferrosoferric oxide; Iron(III) oxide)	1317-61-9	20	30	50	250	mg/m3	No toxiity data. T-0 changed
1391	Iron(III) perchlorate	13537-24-1	6	15	30	150	mg/m3	Added. TSCA listed, no toxicit or pchem data found. Assume soluble, ChemFinder catalog irritation ignored.
1392	Iron(III) sulfate heptahydrate	35139-28-7	5	15	25	500	mg/m3	Added. Iron(II) found under CASRN = 7782-63-0
1393	Isoamyl acetate; (Isopentyl acetate)	123-92-2	100	100	200	***1000***	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1394	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	100	125	125	500	ppm	See LEL formatting note.
1395	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	100	125	125	500	ppm	See LEL formatting note.
1396	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	3	7.5	60	300	ppm	See LEL formatting note.
1397	Isobenzan	297-78-9	0.5	1.5	2	2	mg/m3	T-0, T-1 changed.
1398	Isobutanol-2-amine	124-68-5	0.03	0.075	0.6	500	mg/m3	
1399	Isobutyl acetate	110-19-0	150	150	250	***1300***	ppm	See LEL formatting note.
1400	Isobutyl alcohol	78-83-1	100	150	250	***1600***	ppm	See LEL formatting note.
1401	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	0.4	1.25	7.5	40	ppm	Added. No toxicity data found
1402	Isobutyl isobutyrate	97-85-8	150	500	500	500	mg/m3	See LEL formatting note.
1403	Isobutylamine	78-81-9	5	5	6	35	ppm	See LEL formatting note.
1404	Isobutyraldehyde	78-84-2	100	300	1500	1500	ppm	See LEL formatting note.
1405	Isobutyric acid	79-31-2	0.3	1	6	35	ppm	
1406	**Isobutyronitrile**	**78-82-0**	8	10	18	68	ppm	**ERPG-1, -2, -3, interim AEGL-2, -3.** T-2, T-3 changed.
1407	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	5	5	5	25	mg/m3	
1408	**Isocyanatoethyl methacrylate, 2-**	**30674-80-7**	0.02	0.06	0.1	1	ppm	**ERPGs**
1409	Isocyanic acid-3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	2.5	7.5	14	500	mg/m3	SAX and RTECS tox data conflict
1410	Isodrin	465-73-6	1.25	4	7	7	mg/m3	
1411	Isopentane; (Ethyldimethylmethane; 2-Methylbutane)	78-78-4	610	610	610	***20000***	ppm	See LEL formatting note.
1412	Isophorone	78-59-1	5	5	5	200	ppm	See LEL formatting note.
1413	Isophorone diisocyanate	4098-71-9	0.005	0.02	0.135	6	ppm	
1414	Isoprene	78-79-5	50	150	250	***25000***	ppm	See LEL formatting note.
1415	Isopropyl acetate	108-21-4	250	310	310	***1800***	ppm	See LEL formatting note.
1416	Isopropyl alcohol	67-63-0	400	400	***2000***	***2000***	ppm	See LEL formatting note.
1417	Isopropyl chloride; (2-Chloropropane)	75-29-6	1250	***3500***	***15000***	***15000***	ppm	See LEL formatting note.
1418	**Isopropyl chloroformate; (Isopropyl chlorocarbonate)**	**108-23-6**	0.25	0.75	5	20	ppm	**ERPG-2, -3**
1419	Isopropyl ether; (Diisopropyl bether)	108-20-3	310	310	400	***1400***	ppm	See LEL formatting note.
1420	**Isopropyl methanefluoro-phosphonate; (Sarin; GB)**	**107-44-8**	0.00015	0.00048	0.006	0.022	ppm	**Final AEGL-1, -2, -3.** All changed.
1421	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	30	75	500	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1422	Isopropylamine; (2-Propanamine)	75-31-0	5	10	25	750	ppm	See LEL formatting note.
1423	Isopropylmagnesium chloride; (Chloro (1-methylethyl) magnesium)	1068-55-9	1	3	20	100	mg/m3	No toxicity data. Rat LD50 estimated from other Mg compounds
1424	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	1	3.5	5.6	5.6	mg/m3	
1425	Isothalic acid	121-91-5	40	125	500	500	mg/m3	Added.
1426	Jeffamine M-600	77110-54-4	10	30	50	250	mg/m3	Added. Not found in database no MSDS, assumed nonvolatil
1427	**Jet fuels (JP-5 and JP-8)**	**70892-10-3**	100	290	500	500	mg/m3	**Interim AEGL-1, -2, -3 (also CASRN = 8008-20-**
1428	Kaolin; (Aluminum silicate hydroxide)	1332-58-7	5	6	100	500	mg/m3	
1429	Kepone; (Chlordecone)	143-50-0	0.001	0.003	0.5	40	mg/m3	
1430	Kerosene	8008-20-6	100	100	400	400	mg/m3	See LEL formatting note.
1431	Ketene; (Carbomethene, Ethenone)	463-51-4	0.5	1.5	1.5	5	ppm	
1432	Krypton	7439-90-9	60000	145000	280000	500000	ppm	Simple asphyxiant
1433	Lactic acid	50-21-5	15	40	300	500	mg/m3	
1434	Lactonitrile	78-97-7	3.5	10	18	150	mg/m3	
1435	Lactose, beta-D; (beta-D-Glucopyranose)	5965-66-2	10	30	50	250	mg/m3	No toxicity data
1436	Lanthanum	7439-91-0	10	30	50	250	mg/m3	
1437	Lanthanum alizarin (as La)	z-0026	10	30	50	250	mg/m3	
1438	Lanthanum boride	12008-21-8	15	40	75	350	mg/m3	Used PNOS default as La
1439	Lanthanum carbonate	6487-39-4	10	30	50	250	mg/m3	
1440	Lanthanum chloride	10099-58-8	6	20	125	500	mg/m3	Added.
1441	Lanthanum fluoride	13709-38-1	7.5	7.5	37.5	250	mg/m3	
1442	Lanthanum hydroxide	14507-19-8	0.2	0.75	2	2.5	mg/m3	**SAR**
1443	Lanthanum nitrate	10099-59-9	0.4	1.25	7.5	500	mg/m3	
1444	Lanthanum oxide	1312-81-8	40	125	500	500	mg/m3	
1445	Lanthanum phosphate	14913-14-5	0.3	0.75	3	3	mg/m3	**SAR**
1446	Lanthanum(III) nitrate hexahydrate	10277-43-7	1.5	5	35	150	mg/m3	
1447	Lead	7439-92-1	0.05	0.15	0.25	100	mg/m3	
1448	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	0.075	0.25	40	150	mg/m3	
1449	Lead acetate, basic; (Lead subacetate)	1335-32-6	0.06	0.2	30	125	mg/m3	
1450	Lead acetate; (Lead diacetate)	301-04-2	0.075	0.2	40	150	mg/m3	
1451	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	0.075	0.25	40	150	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1452	Lead arsenate	3687-31-8	0.0125	0.0125	0.0125	30	mg/m3	
1453	Lead bromide	10031-22-8	0.075	0.25	0.4	150	mg/m3	
1454	Lead carbonate	598-63-0	0.06	0.2	3	500	mg/m3	
1455	Lead chloride	7758-95-4	0.06	0.2	3.5	125	mg/m3	
1456	Lead chromate	7758-97-6	0.075	0.2	0.35	75	mg/m3	
1457	Lead dioxide	1309-60-0	0.06	0.18	0.3	100	mg/m3	
1458	Lead fluoborate	13814-96-5	0.075	0.25	0.4	150	mg/m3	Only stable in aequeous soluti
1459	Lead fluoride	7783-46-2	0.06	0.15	3	100	mg/m3	
1460	Lead hydroxide	19783-14-3	0.06	0.15	0.3	1.5	mg/m3	
1461	Lead iodide	10101-63-0	0.1	0.35	0.5	200	mg/m3	
1462	Lead nitrate	10099-74-8	0.075	0.225	0.375	150	mg/m3	
1463	Lead nitrite	13826-65-8	0.075	0.2	0.35	1.5	mg/m3	
1464	Lead oxalate	814-93-7	0.06	0.2	0.35	1.5	mg/m3	
1465	Lead oxide; (Lead monoxide)	1317-36-8	0.05	0.05	0.05	100	mg/m3	
1466	Lead phosphate	7446-27-7	0.06	0.2	30	150	mg/m3	
1467	Lead sulfate	7446-14-2	0.075	0.225	0.375	150	mg/m3	
1468	Lead sulfate	15739-80-7	0.075	0.2	0.35	150	mg/m3	Added. OHMTADS, TSCA listed.
1469	Lead sulfide	1314-87-0	0.06	0.15	30	500	mg/m3	
1470	Lead tetroxide	1314-41-6	0.05	0.15	0.25	100	mg/m3	
1471	Lead(II) arsenite	10031-13-7	0.025	0.075	0.125	12.5	mg/m3	
1472	Lead(II) perchlorate hydrate	13453-62-8	0.1	0.3	0.5	100	mg/m3	Added. Not found in database ChemFinder pchem data.
1473	Leco set 7007 powder	z-0027	10	30	50	250	mg/m3	Mixture: 80-62-6 (94-96%), 208 81-7 (3%), 5995-42-6 ()>8%), 9 97-8 (0.7%)
1474	Leptophos	21609-90-5	6	15	30	30	mg/m3	
1475	Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)	40334-69-8	1.5	4	7.5	7.5	mg/m3	Added. RTECS listed
1476	Lewisite 3; (Tris(2-chlorovinyl)arsine)	40334-70-1	1.5	5	7.5	35	mg/m3	Added. Not found in database
1477	Lignosulfonate (aqueous)	8062-15-5	10	30	500	500	mg/m3	
1478	Limonene, d-	5989-27-5	30	90	150	350	ppm	WEEL CASRN = 138-86-3. HSDB: (L)-Limonene for CASR = 5989-54-8. H&N has both. See LEL formatting note.
1479	Lindane; (gamma-Benzenehexachloride)	58-89-9	0.5	1.5	50	50	mg/m3	
1480	Linseed oil	8001-26-1	0.5	1.5	10	60	mg/m3	
1481	Liquified petroleum gas; (L.P.G.)	68476-85-7	1000	***2000***	***2000***	***2000***	ppm	See LEL formatting note.
1482	Lithium	7439-93-2	10	30	50	400	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fron TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1483	Lithium acetate dihydrate	6108-17-4	12.5	35	250	500	mg/m3	Used Li acetate, CASRN = 54(89-4, mouse LDlo
1484	Lithium aluminate	12003-67-7	12.5	35	60	300	mg/m3	Added. TSCA listed, no toxicit data.
1485	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	10	30	50	250	mg/m3	
1486	Lithium aluminum silicate; (Spodumene (mineral); Petalite)	1302-66-5	2	6	10	50	mg/m3	
1487	Lithium azide	19597-69-4	10	10	10	10	mg/m3	
1488	Lithium bromide	7550-35-8	1	7	15	500	mg/m3	
1489	Lithium carbonate	554-13-2	0.2	0.6	4	200	mg/m3	Lower TD lo found. T-0, T-1, T changed.
1490	Lithium chloride	7447-41-8	0.5	1.5	10	60	mg/m3	
1491	Lithium chromate	14307-35-8	0.075	0.075	0.1	25	mg/m3	T-0, T-1, T-3 changed.
1492	Lithium deuteride	13587-16-1	0.025	0.025	0.1	0.5	mg/m3	
1493	Lithium fluoride	7789-24-4	3.5	10	15	350	mg/m3	
1494	**Lithium hydride**	**7580-67-8**	0.025	0.025	0.1	0.5	mg/m3	**ERPG-1, -2, -3**
1495	Lithium hydroxide	1310-65-2	0.05	0.15	1	100	mg/m3	
1496	Lithium hydroxide monohydrate	1310-66-3	0.05	0.15	1	100	mg/m3	Not found in databases, used LiOH, CASRN 1310-65-2, values.
1497	Lithium iodide	10377-51-2	10	30	50	250	mg/m3	Added. TSCA, HC&P, H&N listed, no toxicity data.
1498	Lithium metaborate	13453-69-5	1	3	5	25	mg/m3	No toxicity data.. Sodium borat TLV used.
1499	Lithium metaborate, anhydrous	1303-94-2	10	30	50	250	mg/m3	
1500	Lithium molybdate	13568-40-6	7.5	25	40	200	mg/m3	
1501	Lithium niobium oxide; (Lithium niobate)	12031-63-9	5	15	25	500	mg/m3	
1502	Lithium nitrate	7790-69-4	10	30	50	250	mg/m3	T-1, T-2, T-3, changed.
1503	Lithium nitride	26134-62-3	10	10	10	10	mg/m3	Reacts with water
1504	Lithium nitrite	13568-33-7	0.025	0.06	0.4	40	mg/m3	HC&P: LiNO2.H2O MW = 127.96, CASRN = 13568-33-7 TSCA: Li.H.NO2 **SAR**
1505	Lithium perchlorate, anhydrous	7791-03-9	0.0005	0.0015	0.01	0.06	mg/m3	Added. IRIS LOEL used, no th toxicity data found
1506	Lithium stearate	4485-12-5	60	150	500	500	mg/m3	Probable hmn LD = 0.5-5 g/k
1507	Lithium sulfate	10377-48-7	0.15	0.5	3.5	500	mg/m3	
1508	Lithium tetraborate	12007-60-2	10	30	50	250	mg/m3	TSCA, H&N, ChemFinder liste no toxicity data found. MW=169.12 without 5H2O.

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1509	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	2.5	2.5	7.5	35	mg/m3	Added. Al soluble salt.
1510	Lutetium oxide	12032-20-1	10	30	50	250	mg/m3	
1511	Magnesium	7439-95-4	10	30	50	250	mg/m3	
1512	Magnesium acetate tetrahydrate	16674-78-5	0.75	2.5	20	100	mg/m3	Not found in databases, used M acetate, CASRN = 142-72-3
1513	Magnesium carbonate hydroxide	7760-50-1	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data, MF, MW from H&N.
1514	Magnesium carbonate; (Magnesite)	546-93-0	15	30	50	250	mg/m3	
1515	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	50	100	150	500	mg/m3	Added. Not found in database MF, MW ex ChemFinder. MSD PEL-TWA.
1516	Magnesium chloride	7786-30-3	10	30	50	500	mg/m3	
1517	Magnesium chloride hexahydrate	7791-18-6	75	250	500	500	mg/m3	
1518	Magnesium ethoxide	2414-98-4	40	125	200	500	mg/m3	Added. TSCA listed, no toxicit or pchem data.
1519	Magnesium fluoride	7783-40-6	4	12.5	20	400	mg/m3	
1520	Magnesium formate	557-39-1	10	10	10	10	mg/m3	
1521	Magnesium hydroxide	1309-42-8	75	200	500	500	mg/m3	
1522	Magnesium iodate tetrahydrate	7790-32-1	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data. MSDS solid.
1523	Magnesium nitrate hexahydrate	13446-18-9	20	60	400	500	mg/m3	Primary irritant, no toxicity dat
1524	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	10	30	50	250	mg/m3	
1525	Magnesium oxide	1309-48-4	10	30	50	500	mg/m3	
1526	Magnesium silicate hydrate	1343-90-4	10	30	50	250	mg/m3	
1527	Magnesium silicate; (Florisil)	1343-88-0	10	30	50	500	mg/m3	Human LD > 15 g/kg
1528	Magnesium sulfate (1:1)	7487-88-9	0.5	1.5	10	125	mg/m3	
1529	Magnesium sulfate heptahydrate	10034-99-8	5	15	100	500	mg/m3	
1530	Magnesium(II) nitrate (1:2), hexahydrate	10213-15-7	20	60	400	500	mg/m3	
1531	Malathion	121-75-5	15	30	50	250	mg/m3	T-2 changed.
1532	Maleic acid	110-16-7	10	10	50	300	mg/m3	
1533	Maleic acid, disodium salt	371-47-1	25	75	500	500	mg/m3	Added. No pchem data found
1534	**Maleic anhydride**	**108-31-6**	0.2	0.2	2	20	ppm	**ERPG-1, -2, -3** All Ts changed See LEL formatting note.
1535	Maleic hydrazide; (3,6-Pyridazinedione,1,2-dihydro-)	123-33-1	0.6	2	12.5	500	mg/m3	
1536	Malic acid, DL-	617-48-1	6	20	125	500	mg/m3	Added. HSDB, TSCA listed. Mouse LD50 1600-3200 mg/k
1537	Malonic acid; (Carboxyacetic acid)	141-82-2	10	15	50	500	mg/m3	

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1538	Manganese	7439-96-5	0.2	3	5	500	mg/m3	
1539	Manganese carbonate	598-62-9	0.4	6	10	500	mg/m3	
1540	Manganese dioxide	1313-13-9	0.3	4	75	500	mg/m3	
1541	Manganese hydroxide	18933-05-6	0.3	5	7.5	500	mg/m3	
1542	Manganese nitrite	z-0029	0.5	7.5	12.5	500	mg/m3	
1543	Manganese oxalate	640-67-5	0.5	7.5	12.5	500	mg/m3	
1544	Manganese oxide; (Manganese tetroxide)	1317-35-7	0.25	0.75	60	500	mg/m3	
1545	Manganese phosphate	10124-54-6	0.4	6	10	500	mg/m3	x = 5 for MW given.
1546	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	0.6	0.6	0.6	7.5	mg/m3	
1547	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	0.4	6	10	100	mg/m3	
1548	Manganese(II) chloride tetrahydrate	13446-34-9	0.75	10	150	500	mg/m3	
1549	Manganese(II) nitrate	10377-66-9	0.6	10	15	500	mg/m3	
1550	Manganese(II) nitrate hydrate	15710-66-4	0.75	10	15	500	mg/m3	Added. Not found in database
1551	Manganese(II) sulfate monohydrate	10034-96-5	0.6	7.5	15	75	mg/m3	
1552	Manganese(III) oxide	1317-34-6	0.3	4	75	500	mg/m3	Added.
1553	Manganese(VII) oxide	12057-92-0	0.4	6	10	50	mg/m3	
1554	Manganous oxide; (Manganese(II) oxide)	1344-43-0	0.25	0.75	6	150	mg/m3	
1555	Manganous sulfate	7785-87-7	0.5	7.5	12.5	500	mg/m3	
1556	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	0.3	0.75	7.5	500	mg/m3	
1557	Mastic (resin)	61789-92-2	4	12.5	100	500	mg/m3	
1558	Melamine	108-78-1	0.004	0.0125	0.075	75	mg/m3	
1559	Mephosfolan	950-10-7	1.5	5	9	9	mg/m3	
1560	Mercaptobenzoic acid, O-	147-93-3	0.2	0.6	4	20	mg/m3	Added.
1561	Mercaptobenzothiazole, 2-; (2-Benzothiazolthiol)	149-30-4	2	6	40	500	mg/m3	
1562	Mercaptoethanol, 2-	60-24-2	2	6	50	200	ppm	See LEL formatting note.
1563	Mercuric acetate	1600-27-7	0.01	0.03	0.1	2	mg/m3	
1564	Mercuric cyanide	592-04-1	0.025	0.1	10	10	mg/m3	
1565	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	0.05	0.15	0.2	20	mg/m3	
1566	Mercuric nitrate monohydrate	7782-86-7	0.035	0.125	0.125	12.5	mg/m3	HSDB has CASRN = 7783-34- MW = 324.66, and MF = Hg-H2.(NO3)2, deliquescent. TSC has 10045-94-0.
1567	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	0.035	0.15	0.15	15	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1568	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	0.04	0.1	0.15	15	mg/m3	
1569	Mercurol; (Mercury nucleate)	12002-19-6	0.025	0.075	0.1	10	mg/m3	
1570	Mercurous chloride (see also MCY300)	7546-30-7	0.03	0.075	0.1	10	mg/m3	
1571	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	0.03	0.125	0.125	12.5	mg/m3	Synonym corrected.
1572	Mercurous oxide	15829-53-5	0.025	0.1	0.1	10	mg/m3	
1573	Mercury hydroxide	12135-13-6	0.03	0.1	0.1	10	mg/m3	
1574	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	0.04	0.15	0.15	15	mg/m3	
1575	Mercury nitrite	13492-25-6	0.035	0.15	0.15	15	mg/m3	LLNL has CASRN = 18541-72- All Ts changed.
1576	**Mercury vapor**	**7439-97-6**	0.025	0.1	2.05	4.1	mg/m3	**ERPG-2, -3 for Hg vapor; ERPG-2 & -3 = 0.25 & 0.5 ppr all other limits in mg/m3**
1577	Mercury(I) chloride	10112-91-1	0.03	0.075	1	10	mg/m3	Added. Light sensitive.
1578	Mercury(II) chloride	7487-94-7	0.035	0.125	12.5	12.5	mg/m3	
1579	Mercury(II) nitrate monohydrate	7783-34-8	0.04	0.125	0.15	15	mg/m3	Added. No toxicity data.
1580	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	0.025	0.1	1	10	mg/m3	
1581	Mesitylene; (1,3,5-Trimethyl benzene)	108-67-8	25	25	25	500	ppm	See LEL formatting note.
1582	Metaphosphoric acid	37267-86-0	10	10	10	10	mg/m3	Added. TSCA, HC&P listed, n toxicity data, pchem data ex ChemFinder.
1583	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	7.5	25	44	44	mg/m3	Synonym spelling corrected. SA and RTECS tox data differ
1584	Methacrylaldehyde	78-85-3	0.125	0.4	2.5	12.5	ppm	
1585	Methacrylamide	79-39-0	0.015	0.04	0.3	200	mg/m3	Added.
1586	Methacrylic acid	79-41-4	20	20	40	125	ppm	See LEL formatting note.
1587	Methacrylic acid diester with triethylene glycol; (Polyester TGM3)	109-16-0	10	30	50	500	mg/m3	
1588	Methacrylic anhydride	760-93-0	0.75	2.5	4.5	150	mg/m3	
1589	**Methacrylonitrile; (Methylacrylonitrile)**	**126-98-7**	1	1	13	25	ppm	**Interim AEGL-1, -2, -3.** 2, T-3 changed. See LEL formatting note.
1590	Methacryloyl chloride	920-46-7	0.025	0.075	0.14	6	ppm	
1591	Methamidophos	10265-92-6	3.5	10	60	60	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1592	Methane	74-82-8	1000	3000	***5000***	***25000***	ppm	TLV-TWA for aliphatic hydrocarbon gas. See LEL formatting note. All Ts change
1593	Methanesulfonic acid	75-75-2	4	12.5	75	400	mg/m3	
1594	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	0.5	1.5	10	150	mg/m3	
1595	Methanesulfonyl chloride	124-63-0	1.5	4	20	20	mg/m3	
1596	Methanesulfonyl fluoride	558-25-8	3.49	3.49	3.49	3.49	ppm	
1597	Methidathion; (O,O'-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolinyl)-3-methyldithiophosphate)	950-37-8	1	3	20	400	mg/m3	Synonym corrected.
1598	Methiocarb; (Mercaptodimethur)	2032-65-7	3	7.5	15	15	mg/m3	
1599	Methomyl	16752-77-5	2.5	7.5	10	200	mg/m3	
1600	Methoxychlor	72-43-5	15	30	50	500	mg/m3	
1601	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	0.35	0.35	0.35	0.35	ppm	See LEL formatting note.
1602	Methoxyethylamine, 2-	109-85-3	0.5	1.5	10	50	ppm	See LEL formatting note.
1603	Methoxyethylmercuric acetate	151-38-2	0.015	0.05	3	3	mg/m3	
1604	Methoxyphenol, P-	150-76-5	5	15	25	500	mg/m3	Added.
1605	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	5	15	15	75	ppm	
1606	Methoxytrimethylsilane	1825-61-2	0.05	0.5	2	5	ppm	**SAR**
1607	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	0.2	4	4	12.5	ppm	MF in SAX wrong.
1608	Methyl 2-pyrrolidinone, 1-; (n-Methylpyrrolidone)	872-50-4	10	15	50	400	ppm	See LEL formatting note.
1609	Methyl acetylene	74-99-7	1000	***1700***	***1700***	***1700***	ppm	See LEL formatting note.
1610	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	1000	1250	***3400***	***3400***	ppm	See LEL formatting note.
1611	Methyl acrylate	96-33-3	2	2	7.5	150	ppm	See LEL formatting note.
1612	**Methyl alcohol; (Methanol)**	**67-56-1**	200	530	2100	***7100***	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** T-1, T-2, T- changed. See LEL formattinç note.
1613	**Methyl bromide; (Bromomethane)**	**74-83-9**	1	20	50	200	ppm	**ERPG -2, -3** See LEL formatti note.
1614	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	2.5	7.5	50	500	mg/m3	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fron TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1615	**Methyl chloride**	74-87-3	100	100	400	1000	ppm	**ERPG-2, -3** See LEL formattir note.
1616	Methyl chloroformate; (Methyl chlorocarbonate)	79-22-1	0.02	0.06	0.466	4	ppm	
1617	Methyl chlorosilane; (Chloromethylsilane)	993-00-0	0.2	0.6	4	20	ppm	Toxicity assumed from other silanes
1618	**Methyl cyclohexylfluorophosphonate; (GF)**	**329-99-7**	0.00006	0.0002	0.0025	0.018	ppm	**Final AEGL-1, -2, -3.** All changed.
1619	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	4	12.5	20	20	mg/m3	
1620	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	0.75	2.5	20	100	mg/m3	
1621	Methyl ether; (Dimethyl ether)	115-10-6	1000	***3000***	***50000***	***60000***	ppm	See LEL formatting note.
1622	Methyl ethyl ketone peroxide	1338-23-4	0.2	0.2	20	20	ppm	
1623	Methyl fluoride; (Fluoromethane)	593-53-3	4	12.5	20	400	mg/m3	See LEL formatting note.
1624	Methyl fluoroacetate	453-18-9	0.015	0.05	0.35	5	mg/m3	
1625	Methyl fluorosulfate	421-20-5	0.0025	0.0075	0.05	0.25	ppm	
1626	Methyl formate; (Formic acid, methyl ester)	107-31-3	100	150	500	***4500***	ppm	See LEL formatting note.
1627	**Methyl iodide**	**74-88-4**	5	25	50	125	ppm	**ERPG-1, -2, -3** See LEL formatting note.
1628	Methyl isobutyl ketone; (Hexone)	108-10-1	75	75	250	500	ppm	See LEL formatting note.
1629	**Methyl isocyanate**	**624-83-9**	0.02	0.025	0.067	0.2	ppm	**ERPG-1, -2, -3, -2 and -3 revised, final AEGL -2, -3** 2, T-3 changed. See LEL formatting note.
1630	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	200	200	200	600	ppm	See LEL formatting note.
1631	Methyl isothiocyanate; (Isothiocyanatomethane)	556-61-6	1.5	4	33	500	mg/m3	
1632	Methyl lithium	917-54-4	1	3	20	100	mg/m3	No toxicity data found. Spontaneous ignition in air: estimated from LiO and LiOH toxicity

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1633	**Methyl mercaptan**	**74-93-1**	0.5	10	47	68	ppm	**ERPG-1, -2, -3; ignored ERPG-1, interim AEGL-1 2, -3** T-2, T-3 changed. See LEL formatting note.
1634	Methyl mercury	22967-92-6	0.01	0.03	0.04	0.2	mg/m3	
1635	Methyl methacrylate	80-62-6	100	100	100	1000	ppm	See LEL formatting note.
1636	Methyl n-amyl ketone	110-43-0	100	100	125	800	ppm	See LEL formatting note.
1637	Methyl nitrate; (Nitric acid methyl ester)	598-58-3	5	15	100	500	ppm	Added.
1638	**Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)**	**163702-07-6 163702-08-7**	750	2500	8200	15000	ppm	**Added. Both TSCA-listed, mixture has WEE TWA and AEGLs**
1639	Methyl parathion	298-00-0	0.2	0.34	0.35	15	mg/m3	
1640	Methyl phencapton	3735-23-7	2	6	11	100	mg/m3	
1641	Methyl phosphonic dichloride	676-97-1	0.06	0.2	1.4	15	mg/m3	
1642	Methyl phosphonothioic dichloride	676-98-2	1.5	4	30	150	mg/m3	LC50 estimated from similar compounds
1643	Methyl pyridine, 3-: (3-Picoline)	108-99-6	2	5	10	***1500***	ppm	See LEL formatting note.
1644	Methyl salicylate	119-36-8	0.125	0.4	2.5	12.5	ppm	
1645	Methyl sulfoxide-D6; (Dimethyl-D6-sulfoxide)	2206-27-1	35	100	500	500	mg/m3	Added. H&N listed, no toxicit data, but use DUD800, CASRN=67-68-5
1646	Methyl tert-butyl ether	1634-04-4	50	150	250	***10000***	ppm	See LEL formatting note.
1647	Methyl thiocyanate	556-64-9	5	15	28.4	28.4	ppm	
1648	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	0.25	0.75	5	25	ppm	
1649	Methyl vinyl ketone; (3-Buten-2-one)	78-94-4	0.2	0.2	0.2	0.25	ppm	See LEL formatting note.
1650	Methyl-1-butene, 2-	563-46-2	***60000***	***145000***	***280000***	***500000***	ppm	Simple asphyxiant (see Introduction) See LEL formatti note. All Ts changed.
1651	Methyl-1H-benzotriazole	29385-43-1	10	30	50	300	mg/m3	
1652	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	15	40	300	500	mg/m3	
1653	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	0.03	0.1	0.6	3.5	ppm	Toxicity based on ketene, synonym changed.
1654	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	0.075	0.25	1.5	400	mg/m3	Added.
1655	Methyl-2-chloroacrylate	80-63-7	0.05	0.15	1.02	7.5	ppm	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1656	Methyl-2-heptanone, 6-	928-68-7	1.91	5.73	10	50	ppm	Added. TSCA, HC&P listed, n toxicity data.
1657	Methyl-2-hexanone, 5-: (Methyl isoamyl ketone)	110-12-3	100	150	***1500***	***1500***	ppm	See LEL formatting note.
1658	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	25	25	25	***1400***	ppm	Synonym changed. See LEL formatting note.
1659	Methyl-4-penten-2-one, 4-	3744-02-3	25	25	25	***1400***	ppm	Based on mesityl oxide (CASR 141-79-7) See LEL formattin note.
1660	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	7.5	20	150	250	mg/m3	
1661	Methyl-5-vinylpyridine, 2-	140-76-1	0.35	1	1.9	40	mg/m3	
1662	Methyl-8-quinolinol, 2-	826-81-3	10	30	50	250	mg/m3	Added. No toxicity data found MSDS data.
1663	Methylal; (Dimethoxymethane)	109-87-5	1000	***2200***	***2200***	***2200***	ppm	See LEL formatting note.
1664	Methylamine hydrochloride	593-51-1	3.5	10	60	500	mg/m3	Added.
1665	Methylamino)ethanol, 2-(	109-83-1	3	10	60	350	ppm	Added.
1666	Methylaniline, n-	100-61-8	1.5	1.5	2.5	100	ppm	
1667	Methylaziridine, 1-	1072-44-2	2	2	2	100	ppm	LClo > 2000 mg/m3, **SAR**
1668	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	6	20	125	500	mg/m3	
1669	Methylcellulose	9004-67-5	10	30	50	500	mg/m3	
1670	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7	0.1	0.3	2	10	ppm	
1671	Methylcholanthrene 3-	56-49-5	0.2	0.6	4	75	mg/m3	
1672	Methylcyclohexane	108-87-2	500	***1200***	***1200***	***1200***	ppm	See LEL formatting note.
1673	Methylcyclohexanone	1331-22-2	1.5	5	40	200	ppm	
1674	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	75	75	125	600	ppm	See LEL formatting note.
1675	Methylcyclopentane	96-37-7	4	12.5	75	***4000***	ppm	Added
1676	Methyldecane, 4-	2847-72-5	1.57	4.7	7.83	40	ppm	Added. HC&P listed, no toxici data found.
1677	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	0.01	0.03	0.5	40	ppm	
1678	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	0.005	0.005	0.01	0.15	ppm	
1679	**Methylene chloride**	**75-09-2**	25	200	750	4000	ppm	**ERPG-1, -2, -3** See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1680	**Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)**	**101-68-8**	0.05	0.2	2	25	mg/m3	**ERPG-1, -2, -3**
1681	Methylenebisacrylamide copolymer, n,n-	25034-58-6	10	30	50	250	mg/m3	No toxicity data found, PNOS default used
1682	Methylenebisacrylamide, n,n'-	110-26-9	1.5	5	35	150	mg/m3	Added.
1683	Methylenedianiline, 4,4'-	101-77-9	0.01	0.1	0.5	15	ppm	
1684	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	0.6	1.5	12.5	60	mg/m3	Based on Isopropylbenzenehydroperoxic
1685	Methylfuran, 2-	534-22-5	6	20	50	50	ppm	
1686	Methylheptane, 2-	592-27-8	2.14	6.43	10.7	50	ppm	Added. HC&P listed, no toxici data, pchem data ex ChemFinder.
1687	Methylheptane, 4-	589-53-7	10	30	50	250	ppm	No toxicity data. See LEL formatting note.
1688	Methylimidazole, 1-	616-47-7	6	15	125	500	mg/m3	
1689	Methyllactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	15	50	400	500	mg/m3	
1690	**Methyllactonitrile 2-; (Acetone cyanohydrin)**	**75-86-5**	2.0	2.0	7.1	15	ppm	**Interim AEGL-1, -2, -3** A Ts changed.See LEL formattin note.
1691	Methylmercuric dicyanamide	502-39-6	0.015	0.04	3	3	mg/m3	
1692	Methylmorpholine, 4-	109-02-4	2	6	40	200	ppm	Added.
1693	Methylnaphthalene, 1-	90-12-0	6	20	500	500	mg/m3	
1694	Methylnaphthalene, 2-	91-57-6	6	20	125	500	mg/m3	See LEL formatting note.
1695	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	0.06	0.15	1.25	6	ppm	
1696	Methylnonane, 4-	17301-94-9	2	6	40	200	ppm	Added. HC&P, no toxicity data toxicity estimated.
1697	Methylpentane, 2-; (Isohexane)	107-83-5	500	510	510	***2500***	ppm	See LEL formatting note.
1698	Methylphenol, 2-; (o-Cresol)	95-48-7	5	5	25	250	ppm	See LEL formatting note.
1699	Methylphenol, 3-; (m-Cresol)	108-39-4	5	5	25	250	ppm	See LEL formatting note.
1700	Methylphenol, 4-; (p-Cresol)	106-44-5	5	5	25	250	ppm	See LEL formatting note.
1701	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	10	30	50	50	mg/m3	
1702	Methylphosphonate	993-13-5	10	10	10	10	mg/m3	Added. HSDB, HC&P listed, n toxicity data found.
1703	Methylphosphonothioic acid-O-(4-nitrophenyl)-O-phenyl ester	2665-30-7	1.5	5	8	8	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1704	Methylphosphonothioic acid-O-ethyl O-(4-(methylthio)phenyl) ester.	2703-13-1	2	6	10	10	mg/m3	
1705	Methylpropane, 2-; (Isobutane)	75-28-5	800	***2400***	***4000***	***15000***	ppm	See LEL formatting note.
1706	Methylpropene, 2- (Isobutene)	115-11-7	1000	***3000***	***20000***	***100000***	ppm	See LEL formatting note.
1707	Methylpropylnitrosoamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	0.01	0.03	0.2	4	ppm	
1708	Methylpyridine, 2-; (2-Picoline)	109-06-8	2	2	5	300	ppm	See LEL formatting note.
1709	Methylpyrrolidine	120-94-5	0.75	2	15	75	mg/m3	
1710	Methylstyrene, Alpha-	98-83-9	50	100	100	700	ppm	Added.
1711	Methyltetrahydrofuran, 2-	96-47-9	6	15	125	600	ppm	All Ts changed.
1712	Methyltriacetoxysilane	4253-34-3	7.5	25	150	500	mg/m3	
1713	**Methyltrichlorosilane; (Trichloromethyl silane)**	**75-79-6**	0.2	0.6	6.2	28	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts changed. See LEL formattinç note.
1714	Methyltriethoxysilane	2031-67-6	6	15	125	600	ppm	Added.
1715	Methyl-trifluoromethanesulfonate	333-27-7	7.5	20	35	500	mg/m3	No toxicity data found
1716	Methyltrimethoxysilane	1185-55-3	50	150	500	500	mg/m3	Added.
1717	Methyltrioctylammonium chloride	5137-55-3	0.75	2.5	20	100	mg/m3	
1718	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	1	3	5	200	mg/m3	
1719	Mevinphos; (Phosdrin)	7786-34-7	0.1	0.27	4	4	mg/m3	
1720	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	2.5	7.5	14	14	mg/m3	
1721	Mica; (mica silicates)	12001-26-2	3	9	15	75	mg/m3	IDLH not used
1722	Michler's ketone; (4,4'-bis(dimethylamino)benzophenone)	90-94-8	1	3.5	25	40	mg/m3	
1723	Mineral fibers, fine	z-0032	10	30	50	250	mg/m3	
1724	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5	0.2	0.6	1	500	mg/m3	T-0, T-1, T-2 changed.
1725	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3	0.2	0.6	10	50	mg/m3	All Ts changed.
1726	Mineral oil, petroleum distillates, solvent-refined (mild) heavy paraffinic	64741-88-4	0.2	0.6	1	500	mg/m3	No toxicity data. Rat oral LD5 for similar compounds > 5 g/kç T-0, T-1, T-2 changed.
1727	Mineral oil, petrolleum distillates, solvent refined light naphthenic	64741-97-5	40	125	500	500	mg/m3	Added. Rat LD > 5 g/kg. No pchem data found.
1728	Mineral oil, white	8042-47-5	0.2	0.6	100	500	mg/m3	T-0, T-1, T-2 changed.
1729	Mineral oil; (Oil mist, mineral)	8012-95-1	5	10	10	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1730	Mirex; (Perchloropentacyclodecane)	2385-85-5	0.03	0.075	0.6	100	mg/m3	
1731	Mitomycin C	50-07-7	4	12.5	23	23	mg/m3	
1732	Molecular sieve activated, type 3A; (Zeolite; Aluminosilicate)	68989-21-9	10	30	50	250	mg/m3	Not found in databases
1733	Molecular sieve activated, type 5A	68989-20-8	10	30	50	250	mg/m3	Not found in databases
1734	Molecular sieve type 13X; (Zeolite)	68989-23-1	10	30	50	250	mg/m3	
1735	Molecular sieve, type 4A	70955-01-0	10	30	50	250	mg/m3	Not found in databases, PNOS option used
1736	Molecular sieves	63231-69-6	10	30	50	250	mg/m3	Not found in databases, PNOS option used
1737	Molybdate orange	12656-85-8	5	15	25	500	mg/m3	
1738	Molybdenum	7439-98-7	10	30	50	500	mg/m3	
1739	Molybdenum carbide	12011-97-1	10	35	50	500	mg/m3	Added. LD > 250 mg/kg
1740	Molybdenum dioxide	18868-43-4	12.5	40	60	60	mg/m3	
1741	Molybdenum disilicide	12136-78-6	15	40	75	500	mg/m3	No toxicity data
1742	Molybdenum hexacarbonyl	13939-06-5	25	75	125	500	mg/m3	Added. Insoluble Mo compoun No toxicity data.
1743	Molybdenum pentachloride	10241-05-1	4	4	500	500	mg/m3	Added.
1744	Molybdenum trioxide	1313-27-5	15	15	15	500	mg/m3	
1745	Molybdenum(IV) sulfide	1317-33-5	15	50	75	500	mg/m3	Rat oral LD50 > 2 g/kg
1746	Molybdic acid	7782-91-4	2.5	2.5	4	500	mg/m3	No toxicity data. Mo compound treated as soluble
1747	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	10	30	50	500	mg/m3	
1748	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	7.5	25	40	500	mg/m3	
1749	Molybdophosphoric acid, X-hydrate	12026-57-2	2	2	4	500	mg/m3	Added. TSCA listed, no toxicit data. Assumed soluble compound.
1750	Molybdophosphoric acid; (Phosphomolybdic acid hydrate)	51429-74-4	2.5	2.5	4	500	mg/m3	No toxicity data found. TSCA CASRN = 12207-90-8 for molybdophosphoric acid.
1751	Monobutyl phosphite	16456-56-7	6	20	150	500	mg/m3	
1752	Monochloroamine; (Chloramide)	10599-90-3	0.2	0.6	4	20	ppm	
1753	Monochloropentafluoroethane; (CFC-115)	76-15-3	1000	3000	5000	300000	ppm	
1754	Monocrotophos	6923-22-4	0.05	0.15	0.63	25	mg/m3	
1755	**Monomethylamine; (Methylamine)**	**74-89-5**	10	10	100	500	ppm	**ERPG-1, -2, -3** See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1756	**Monomethylhydrazine; (Methyl hydrazine)**	**60-34-4**	0.01	0.2	0.9	2.7	ppm	**Final AEGL-2, -3** T-2, T-3 changed. See LEL formatting note.
1757	Monosodium titanate	60704-88-3	10	30	50	250	mg/m3	MSDS #18858-00 CASRN 12034-36-5 TSCA has MF = Na.H-O5-Ti2
1758	Montmorillonite	1318-93-0	30	30	30	30	mg/m3	Added. Used Bentonite, 1302 78-9
1759	Morpholine	110-91-8	20	30	30	***1400***	ppm	See LEL formatting note.
1760	Morpholinepropanesulfonic acid, 4-	1132-61-2	1.25	4	25	125	mg/m3	Quail LD50 > 316 mg/m3
1761	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	1.25	4	25	125	mg/m3	Added. Quail LD50 > 316 mg/
1762	Muscimol; (5-Aminomethyl-3-isoxyzole)	2763-96-4	3.5	10	17	20	mg/m3	
1763	Myoglobins	9008-45-1	10	30	50	250	mg/m3	Added. Not found in database MSDS states Solid.
1764	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	3	7.5	60	300	ppm	Rat oral LD50 > 8 g/kg See LE formatting note.
1765	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	200	500	500	500	mg/m3	
1766	Nabumetone; (Relafen; 4-(6-methoxy-2-naphthyl)-2-butanone)	42924-53-8	10	30	50	500	mg/m3	
1767	Nadic methyl anhydride	25134-21-8	0.75	2	15	75	mg/m3	
1768	Naphtha (coal tar)	8030-30-6	100	100	500	***1000***	ppm	See LEL formatting note.
1769	Naphtha (petroleum), heavy catalytic cracked	64741-54-4	6	15	125	500	mg/m3	
1770	Naphtha, hydrotreated heavy	64742-48-9	10	30	50	250	mg/m3	
1771	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	0.6	1.5	12.5	350	mg/m3	T-0, T-1, T-2 changed.
1772	Naphthalene	91-20-3	10	15	35	250	ppm	See LEL formatting note.
1773	Naphthaleneacetamide, 1-	86-86-2	6	20	150	500	mg/m3	
1774	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit or pchem data found. MSDS Solid.
1775	Naphthenic acid, lead salt	61790-14-5	0.05	0.15	25	100	mg/m3	For stated MW, x = 7
1776	Naphthol, 1-	90-15-3	25	75	500	500	mg/m3	Added.
1777	Naphthol, 2-	135-19-3	0.0025	0.0075	0.05	500	mg/m3	Added.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1778	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	2	6	40	200	mg/m3	Added. Not found in database Used 2-Naphthol-6-sulfonic ac (93-01-6) toxicity data.
1779	Naphthoquinone, 1,4-	130-15-4	0.075	0.25	1.5	75	mg/m3	
1780	Naphthylamine, beta-	91-59-8	1.5	5	35	300	mg/m3	T-0, T-1, T-2 changed.
1781	Naphthylthiourea, alpha-; (ANTU)	86-88-4	0.3	0.9	10	100	mg/m3	Spelling corrected.
1782	Neodecanoic acid	26896-20-8	12.5	40	300	500	mg/m3	
1783	Neodymium bromide	13536-80-6	10	30	50	250	mg/m3	
1784	Neodymium fluoride	13709-42-7	7.5	25	40	250	mg/m3	
1785	Neodymium hydroxide	16469-17-3	0.75	0.75	2	75	mg/m3	**SAR**
1786	Neodymium nitrate	10045-95-1	7.5	25	150	500	mg/m3	
1787	Neodymium nitrate, pentahydrate	14517-29-4	10	30	50	250	mg/m3	Added. HC&P listed, no toxici data.
1788	Neodymium nitrite	z-0033	0.04	0.1	0.75	75	mg/m3	**SAR**
1789	Neodymium(III) chloride	10024-93-8	0.06	0.15	1.25	6	ppm	
1790	Neodymium(III) oxide	1313-97-9	10	30	50	500	mg/m3	Rat oral LD50 > 5 g/kg
1791	Neon	7440-01-9	60000	145000	280000	500000	ppm	Simple asphyxiant (see Introduction)
1792	Nickel	7440-02-0	1	4.5	10	10	mg/m3	
1793	Nickel acetate tetrahydrate	6018-89-9	1.25	1.25	2	40	mg/m3	Added.
1794	Nickel aluminide	12003-78-0	0.75	0.75	1.25	12.5	mg/m3	Added. TSCA listed, no toxici data.
1795	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	2	2	2	20	mg/m3	See also SAX NCY600, 12607 70-4
1796	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	1	1	1.5	15	mg/m3	
1797	**Nickel carbonyl**	**13463-39-3**	0.003	0.036	0.036	0.16	ppm	**Interim AEGL-2, -3** T-1, T 2, T-3 changed. See LEL formatting note.
1798	Nickel chloride; (Nickelous chloride)	7718-54-9	0.6	0.6	1	20	mg/m3	
1799	Nickel cyanide	557-19-7	0.35	1	7.5	15	mg/m3	PEL-TWA ignored
1800	Nickel fluoride	13940-83-5	1.5	1.5	3	30	mg/m3	Added. ChemFinder has Nickel(II) fluoride tetrahydrate
1801	Nickel formate	3349-06-2	3	3	3	30	mg/m3	
1802	Nickel oxalate (liquids)	6018-94-6a	0.75	0.75	1.25	25	mg/m3	
1803	Nickel oxalate (solids)	6018-94-6b	1.5	1.5	2.5	25	mg/m3	
1804	Nickel oxide; (Nickel(II) oxide)	1313-99-1	0.75	0.75	12.5	12.5	mg/m3	
1805	Nickel perchlorate	13637-71-3	3.5	3.5	6	60	mg/m3	Added. HC&P listed, no toxici data found.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1806	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	2.5	2.5	4	200	mg/m3	
1807	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	1.25	1.25	2	40	mg/m3	
1808	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	2.5	2.5	2.5	25	mg/m3	
1809	Nickel(2+) stearate	2223-95-2	10	30	50	100	mg/m3	Added. TSCA listed, no toxicit data.
1810	Nickel(II) bromide	13462-88-9	1	1	1.5	35	mg/m3	No toxicity data, sol. compour
1811	Nickel(II) carbonate (1:1)	3333-67-3	1.25	1.25	2	20	mg/m3	Added.
1812	Nickel(II) chloride hexahydrate	7791-20-0	1.25	1.25	20	40	mg/m3	
1813	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	0.75	0.75	1.5	15	mg/m3	SAX has CASRNs of nickelou and nickelic reversed
1814	Nickel(II) nitrate hexahydrate	13478-00-7	1.5	1.5	50	50	mg/m3	
1815	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	3	3	3	30	mg/m3	
1816	Nickel(II) nitrite	17861-62-0	0.3	0.3	0.5	10	mg/m3	
1817	Nickel(II) phosphate	10381-36-9	0.6	0.6	1	10	mg/m3	
1818	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	1	1	1.5	15	mg/m3	CASRN = 12125-56-3 is Ni(OH)3; 12054-48-7 is Ni(OH) 11113-74-9 is Ni.OH, but databases differ. Ni.OOH (Ni o OH) not found
1819	Nicotinamide	98-92-0	6	20	150	500	mg/m3	Added.
1820	Nicotine salts; (dl-beta-Nicotine; DL-Nicotine)	22083-74-5	1.25	3.5	3.5	75	mg/m3	
1821	Nicotine Sulfate	65-30-5	4	9	9	9	mg/m3	
1822	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	0.5	1.5	3.5	5	mg/m3	See LEL formatting note.
1823	Nicotinic acid; (Niacin)	59-67-6	0.75	2	15	500	mg/m3	Added.
1824	Niobium	7440-03-1	40	125	500	500	mg/m3	Rat LD50 > 10 g/kg
1825	Niobium chloride	10026-12-7	6	15	125	500	mg/m3	
1826	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	60	150	500	500	mg/m3	Rat oral LD50 > 10 g/kg
1827	Niobium(IV) carbide	12069-94-2	10	35	50	250	mg/m3	No toxicity data
1828	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	15	20	50	400	mg/m3	
1829	Nitrate(s)	14797-55-8	10	30	50	250	mg/m3	
1830	**Nitric acid WFNA; (White Fuming)**	**7697-37-2**	0.53	0.53	24	92	ppm	**AEGL-1, -2, -3, ERPG-1, 2, -3,** All Ts changed. (LANL CASRN = 52583-42-3)
1831	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	2.05	6.16	10.3	50	ppm	Added. No toxicity found

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1832	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	0.35	1	6	35	ppm	Added. HSDB MP = -94.6, BP 87.2. See LEL formatting note
1833	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	25	75	500	2500	ppm	Added. CASRN corrected, 10023-16-0 fails checksum..
1834	**Nitric oxide**	**10102-43-9**	0.50	0.50	12.5	20	ppm	**NO_2 Interim AEGL-1, -2, 3.** All Ts changed.
1835	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	6	15	125	500	mg/m3	Added
1836	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	35	100	500	500	mg/m3	
1837	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	6	20	125	500	mg/m3	Rat 4 hr LC50 > 2529 mg/m3 See LEL formatting note.
1838	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	0.6	1.5	12.5	200	mg/m3	T-0, T-1, T-2 changed.
1839	Nitroaniline, p-	100-01-6	6	9	150	300	mg/m3	
1840	Nitrobenzene	98-95-3	1	3	20	200	ppm	See LEL formatting note.
1841	Nitrobiphenyl, 4- ; (p-Nitrobiphenyl)	92-93-3	0.25	0.75	5	500	mg/m3	
1842	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-chloronitrobenzenebenzene)	121-73-3	0.06	0.2	1.25	150	mg/m3	
1843	Nitrocyclohexane	1122-60-7	0.3	0.75	1.5	60	mg/m3	
1844	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	0.35	1	7.5	40	ppm	**SAR**
1845	Nitrodiphenylamine, 2-	119-75-5	30	100	500	500	mg/m3	Used p-nitrodiphenylamine (CASRN = 836-30-6)
1846	Nitroethane	79-24-3	100	100	200	1000	ppm	See LEL formatting note.
1847	Nitrogen	7727-37-9	60000	145000	280000	500000	ppm	Simple asphyxiant (see introduction). TEELs represen added nitogen
1848	**Nitrogen dioxide**	**10102-44-0**	0.50	0.50	12.5	20	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3.** All Ts changed.
1849	Nitrogen mustard hydrochloride	55-86-7	0.75	2.5	4	4	mg/m3	
1850	Nitrogen mustard; (Bis(b-chloroethyl)methylamine)	51-75-2	1.25	4	29	29	mg/m3	
1851	Nitrogen tetroxide	10544-72-6	3	5	5	20	ppm	
1852	**Nitrogen trifluoride**	**7783-54-2**	10	30	400	800	ppm	**ERPG-2, -3.** T-1, T-2, T-3 changed.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1853	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	25	50	100	500	ppm	TSCA, HC&P listed, CASRN 12033-49-7 not found, data source uncertain
1854	Nitroglycerin	55-63-0	0.1	0.1	2	75	mg/m3	
1855	Nitromethane	75-52-5	60	60	100	750	ppm	See LEL formatting note.
1856	Nitrophenol (mixed isomers)	25154-55-6	0.75	2.5	15	75	mg/m3	Used most toxic isomer Ts.
1857	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	1.25	4	30	150	mg/m3	
1858	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	1.25	4	30	150	mg/m3	
1859	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7	0.75	2.5	15	75	mg/m3	
1860	Nitropropane, 1-	108-03-2	25	25	25	1000	ppm	See LEL formatting note.
1861	Nitropropane, 2-	79-46-9	25	30	50	100	ppm	See LEL formatting note.
1862	Nitropyrene, 1-	5522-43-0	0.1	0.3	2	10	mg/m3	
1863	Nitropyridine-n-oxide, 4-; (Pyridine, 4-nitro-1-oxide)	1124-33-0	15	50	80	80	mg/m3	
1864	Nitrosodimethylamine	62-75-9	3.5	10	19	19	mg/m3	
1865	Nitrosodiphenylamine, p-	156-10-5	0.1	0.3	2	150	mg/m3	
1866	Nitrosodipropylamine; (DPNA)	621-64-7	0.06	0.2	1.25	200	mg/m3	
1867	Nitrosomorpholine	59-89-2	12.5	30	30	30	mg/m3	
1868	Nitroso-n-methylurea, n-	684-93-5	0.015	0.05	0.35	50	mg/m3	
1869	Nitrosophenol, p-	104-91-6	2	6	40	200	mg/m3	
1870	Nitrosotoluene, p-	611-23-4	7.5	25	150	500	mg/m3	
1871	Nitrosyl chloride	2696-92-6	0.025	0.075	0.5	2.5	ppm	
1872	Nitrotoluene, m-	99-08-1	5	6	10	200	ppm	See LEL formatting note.
1873	Nitrotoluene, o-	88-72-2	5	6	10	60	ppm	See LEL formatting note.
1874	Nitrotoluene, p-	99-99-0	5	6	10	200	ppm	See LEL formatting note.
1875	Nitrous acid	7782-77-6	1	3	15	200	mg/m3	Used HNO3 limits
1876	Nitrous oxide	10024-97-2	50	150	10000	20000	ppm	
1877	Nonacosane	630-03-5	10	30	50	250	mg/m3	
1878	Nonanal	124-19-6	2	6	40	500	mg/m3	T-0, T-1, T-2 changed.
1879	Nonane (Shellsol 140)	111-84-2	200	600	***1000***	***1250***	ppm	See LEL formatting note.
1880	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	25	25	30	150	ppm	
1881	Nonanoic acid	112-05-0	25	75	500	500	mg/m3	Added.
1882	Nonanone, 2-	821-55-6	1	3	20	75	ppm	
1883	Nonene, 1-	124-11-8	0.5	1.5	10	50	ppm	Added. HSDB, OHMTADS, TSCA, no toxicity data, estimated. See LEL formattin note.
1884	Nonoxynol-4	7311-27-5	10	30	50	250	mg/m3	
1885	Nonyl alcohol	143-08-8	25	75	500	500	mg/m3	Added.
1886	Nonyl phenol (mixed isomers)	25154-52-3	6	20	125	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1887	Nonyl phenol, 4- (branched)	84852-15-3	5	15	100	500	mg/m3	
1888	Nonyl phenol, p-	104-40-5	6	20	125	500	mg/m3	
1889	Nonylphenol ethoxylate	127087-87-0	10	30	200	500	mg/m3	
1890	Nonylphenoxypolyethoxyethanol	68412-54-4	10	30	50	250	mg/m3	
1891	Norbormide	991-42-4	0.75	2	3.8	3.8	mg/m3	
1892	Norchlorofluoroepibatidine	z-0034	0.00004	0.000125	0.00075	0.00125	mg/m3	
1893	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	0.004	0.01	0.075	0.4	mg/m3	Spelling corrected. T-0, T-1, T changed.
1894	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	0.003	0.0075	0.06	10	mg/m3	LC50 based on other CDFs
1895	Octachloronaphthalene	2234-13-1	0.1	0.3	0.5	2.5	mg/m3	
1896	Octacosane	630-02-4	0.3	0.3	50	250	mg/m3	
1897	Octadecane, N-	593-45-3	33.7	33.7	173	750	ppm	Added. TSCA, HC&P listed.
1898	Octadecanoic acid, n-; (Stearic acid)	57-11-4	0.1	0.3	15	15	mg/m3	
1899	Octadecanol, 1-	112-92-5	2.5	7.5	50	***750***	ppm	See LEL formatting note.
1900	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	0.015	0.05	0.4	500	mg/m3	Added
1901	Octadecyl methacrylate	32360-05-7	10	30	50	250	mg/m3	Added. TSCA, HC&P listed, n toxicity data. MSDS MP, SG data. Assumed nonvolatile.
1902	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	25000	75000	280000	300000	ppm	T-2 changed.
1903	Octamethylcyclotetrasiloxane	556-67-2	12.5	35	250	300	ppm	**SAR** Ts = 10, 30, 50, 500 mg/n not used. See LEL formattinç note.
1904	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide)	152-16-9	0.15	0.5	0.8	3.5	mg/m3	
1905	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	20	60	500	500	mg/m3	
1906	Octanamine, 1-	111-86-4	0.4	1.25	7.5	40	mg/m3	Added.
1907	Octane, n-	111-65-9	300	300	400	***1000***	ppm	See LEL formatting note.
1908	Octanedione, 2,7-	3214-41-3	20	60	500	500	mg/m3	Toxicity based on octane
1909	Octanenitrile	124-12-9	1.5	4	30	150	ppm	
1910	Octanoic acid; (Caprylic acid)	124-07-2	40	125	500	500	mg/m3	Added.
1911	Octanol, 2-	123-96-6	12.5	35	250	350	mg/m3	Added. RTECS toxicity data, HC&P pchem data.
1912	Octanone, 2-	111-13-7	60	200	200	500	mg/m3	
1913	Octaphenylcyclotetrasiloxane	546-56-5	20	60	400	500	mg/m3	Added. RTECS LD 50 > 464(mg/kg
1914	Octene, 1-	111-66-0	10	30	50	250	mg/m3	See LEL formatting note.
1915	Octyl alcohol; (n-octanol)	111-87-5	3.5	10	350	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1916	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9	10	30	50	250	mg/m3	
1917	Oil gas; (Oil fog)	z-0035	450	1750	3000	4500	ppm	4.2% illuminants, 10.4% CO, 47.6% H, 27.0% CH4, 4.6% CO2, 5.8% N, 0.4% O2
1918	**Oleum; (fuming sulfuric acid)**	**8014-95-7**	1	2	10	30	**mg/m3**	**Sulfuric acid ERPGs apply**
1919	Organorhodium complex	z-0036	0.3	7.5	15	500	mg/m3	MW assumed, insol Rh conc. limits used
1920	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	0.1	0.3	2	10	ppm	Added. An irritant, but no toxici data found. Rat LC50 based c HR.
1921	Osmium tetroxide	20816-12-0	0.00075	0.00075	0.0096	1.25	ppm	
1922	**Otto Fuel (mainly Propylene Glycol Dinitrate 6423-43-4)**	**106602-80-6**	0.05	0.17	1	13	ppm	**Added. Final AEGL-1, -2 -3**
1923	Ouabain	630-60-4	1.5	5	8.3	12.5	mg/m3	
1924	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	1	2	5	500	mg/m3	
1925	Oxalic acid, dihydrate	6153-56-6	1	2	5	500	mg/m3	
1926	Oxamide	471-46-5	1.5	5	40	200	mg/m3	
1927	Oxamyl	23135-22-0	0.35	1	1.7	15	mg/m3	
1928	Oxathiane, 1,4-	15980-15-1	4	12.5	75	400	ppm	See LEL formatting note.
1929	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	3	10	25	25	ppm	
1930	Oxone, monopersulfate compound	37222-66-5	10	30	50	250	mg/m3	Added. Not found in database
1931	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	2	6	40	200	mg/m3	
1932	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	3	10	60	125	mg/m3	Added.
1933	Oxydiphenoxarsine, 10,10'-; (Phenoxyarsine oxide)	58-36-6	1.5	2	14	14	mg/m3	
1934	Oxydisulfoton	2497-07-6	0.6	2	3.5	3.5	mg/m3	
1935	Oxygen (liquid)	7782-44-7	35000	100000	280000	500000	ppm	TEEL values represent TOTA oxygen. All Ts changed.
1936	Oxygen difluoride; (Fluorine monoxide)	7783-41-7	0.05	0.05	0.05	0.5	ppm	
1937	Ozone	10028-15-6	0.1	0.1	1	5	ppm	
1938	Palladium	7440-05-3	10	30	50	250	mg/m3	
1939	Palladium chloride	7647-10-1	0.15	0.4	3	500	mg/m3	
1940	Palladium hydroxide	12135-22-7	0.125	0.3	2.5	75	mg/m3	**SAR**
1941	Paraffin waxes, petroleum, clay-treated; (Wax blocks (halowax))	71808-29-2	10	30	50	250	mg/m3	TSCA-listed, data equivocal A Ts changed.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1942	Paraffin, n-	8002-74-2	2	6	10	500	mg/m3	
1943	Paraffins, petroleum, normal C5-C20	64771-72-8	300	300	300	300	ppm	
1944	Paraformaldehyde	30525-89-4	4	12.5	75	100	mg/m3	See LEL formatting note.
1945	Paraldehyde	123-63-7	10	30	50	500	mg/m3	
1946	Paraquat	4685-14-7	0.15	0.15	0.15	150	mg/m3	
1947	Paraquat dichloride	1910-42-5	0.1	0.3	1	1	mg/m3	
1948	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	0.75	2	15	40	mg/m3	
1949	Parathion	56-38-2	0.1	0.3	2	10	mg/m3	
1950	Paris Green; (Cupric acetoarsenite)	12002-03-8	1	3.5	22	22	mg/m3	
1951	Particulate material (PNOS)	z-0037	10	30	50	250	mg/m3	
1952	PBX (mixture of HMX and nitrocellulose)	z-0038	0.24	0.6	5	500	mg/m3	
1953	Pentaborane	19624-22-7	0.005	0.015	0.31	1	ppm	See LEL formatting note.
1954	Pentachlorobenzene	608-93-5	10	30	50	400	mg/m3	
1955	Pentachlorobenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	0.00075	0.0025	0.015	0.075	mg/m3	
1956	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	0.0025	0.0075	0.06	0.3	mg/m3	
1957	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	0.000025	0.000075	0.0006	0.4	mg/m3	
1958	Pentachloroethane	76-01-7	10	30	500	500	mg/m3	
1959	Pentachloronitrobenzene	82-68-8	0.5	1.5	250	500	mg/m3	
1960	Pentachlorophenol	87-86-5	0.5	1.5	2.5	2.5	mg/m3	
1961	Pentadecafluorooctanoic acid	335-67-1	4	12.5	75	75	mg/m3	Added.
1962	Pentadecane	629-62-9	3.5	10	60	350	ppm	See LEL formatting note.
1963	Pentadecanoic acid	1002-84-2	0.04	0.125	1	5	ppm	
1964	Pentadecylamine	2570-26-5	0.1	0.3	2	100	mg/m3	
1965	Pentaerythritol	115-77-5	15	30	50	500	mg/m3	
1966	Pentaerythritol tetranitrate	78-11-5	0.015	0.05	0.35	500	mg/m3	
1967	Pentafluoropropane, 1,1,1,3,3-	460-73-1	300	900	1500	60000	ppm	Added.
1968	Pentane, n-	109-66-0	610	610	610	***1500***	ppm	See LEL formatting note.
1969	Pentanediol, 1,5-	111-29-5	7.5	25	150	500	mg/m3	Added.
1970	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	15	50	100	100	ppm	See LEL formatting note.
1971	Pentanenitrile	110-59-8	1.5	4	25	25	ppm	
1972	Pentanol, 2-; (sec-amyl alcohol, Methyl propyl carbinol, Isoamyl alcohol)	6032-29-7	100	125	125	500	ppm	OSHA, ACGIH & NIOSH CASF = 123-51-3 for isoamyl alcoho See LEL formatting note.
1973	Pentanone, 2-	107-87-9	200	250	250	***1500***	ppm	See LEL formatting note.
1974	Pentanone, 3-; (Diethyl ketone)	96-22-0	200	300	300	750	ppm	Added. See LEL formatting note.
1975	Pentatriacontane	630-07-9	10	30	50	250	mg/m3	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1976	Pentene, 1-	109-67-1	300	750	***6000***	***30000***	ppm	HSDB toxicity data used. See LEL formatting note.
1977	Pentobarbital sodium; (Nembutal sodium)	57-33-0	0.15	0.5	3.5	50	mg/m3	
1978	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	60	100	100	100	ppm	Added. Pchem data varies in sources. Irritant in HSDB.
1979	Peptone; (Hydrolized protein, Tryptones)	73049-73-7	10	30	50	250	mg/m3	TSCA, H&N listed with Tryptones, no toxicity data
1980	**Peracetic acid**	**79-21-0**	0.05	0.17	0.5	4.8	ppm	**Interim AEGL-1, -2, -3.** A Ts changed.
1981	Perboric acid, sodium salt	7632-04-4	0.5	1.5	10	500	mg/m3	Added.
1982	Perchloric acid	7601-90-3	1	3.5	20	100	ppm	
1983	Perchloric acid, zinc salt, hexahydrate	10025-64-6	0.6	1.5	12.5	60	mg/m3	Added.
1984	**Perchloroethylene; (Tetrachloroethylene)**	**127-18-4**	25	35	230	1200	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** T-1, T-2, T- changed. See LEL formatting note.
1985	**Perchloromethyl mercaptan**	**594-42-3**	0.013	0.013	0.30	0.90	ppm	**Interim AEGL-1, -2, -3.** A Ts changed.
1986	**Perchloryl fluoride; (Chlorine oxyfluoride)**	**7616-94-6**	3	6	15	100	ppm	**ERPG-2, -3**
1987	Percoll	65455-52-9	10	30	50	250	mg/m3	Added. Not found in database assumed nonvolatile liquid.
1988	**Perfluoroisobutylene; (Octafluoro-sec-butene)**	**382-21-8**	0.01	0.01	0.1	0.3	ppm	**ERPG-2, -3**
1989	Perfluoropolyether; (1,1,2,3,3,-hexafluoro-1-propene, oxidized; Vacuum pump oil)	69991-67-9	10	30	200	500	mg/m3	No toxicity data. LC50 estimat from Hexafluoropropene, MSD states an irritant.
1990	Periodic acid	10450-60-9	0.15	0.15	0.5	5	mg/m3	No toxicity data, used iodine values
1991	Periodic acid, sodium salt	7790-28-5	0.25	0.75	5	25	mg/m3	Added.
1992	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	10	30	50	500	mg/m3	
1993	Permafluor E+	z-0039	100	150	500	500	mg/m3	Mixture ex MSDS
1994	Permafluor-V (85+% toluene)	z-0040	50	150	300	500	ppm	Mixture PPO, bis-MSB is 85-90% toluene, 10% methanol
1995	Peroxydicarbonic acid, disodium salt	3313-92-6	7.5	25	150	500	mg/m3	
1996	Petroleum 50 thinner; (Paint thinner)	z-0041	7.5	25	150	750	ppm	

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
1997	Petroleum asphalt	8052-42-4a	1.25	4	25	125	mg/m3	See Asphalt (ARO500), same CASRN, different toxicity
1998	Petroleum coke, calcined	64743-05-1	10	30	50	500	mg/m3	Added. TSCA listed, no toxicit data.
1999	Petroleum distillate	8002-05-9b	350	350	500	500	mg/m3	See Petroleum (PCR250), sam CASRN, different toxicity
2000	Petroleum distillates, clay-treated light naphthenic	64742-45-6	20	60	400	500	mg/m3	
2001	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9	10	30	500	500	mg/m3	
2002	Petroleum spirits; (VM & P Naphtha)	8032-32-4	300	300	395	395	ppm	See LEL formatting note.
2003	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0	20	60	400	***2000***	ppm	See LEL formatting note.
2004	Petroleum; (Petroleum crude oil)	8002-05-9b	500	500	500	500	mg/m3	Same CASRN as Petroleum distillate, PCS250, different toxicity. See LEL formatting note.
2005	Phenacetin; (p-acetophenetidide)	62-44-2	10	30	50	60	mg/m3	
2006	Phenaglycodol; (Ultran; 2-p-chlorophenyl-3-methyl-2,3-butanediol)	79-93-6	10	30	50	350	mg/m3	
2007	Phenanthrene	85-01-8	0.4	1	7.5	300	mg/m3	See LEL formatting note.
2008	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	10	30	50	250	mg/m3	
2009	**Phenol**	**108-95-2**	5	15	23	200	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** T-1, T-2 changed. See LEL formattinç note.
2010	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	15	50	350	500	mg/m3	Added. TSCA listed mixture, r toxicity data, MSDS state, BP VP, SG.
2011	Phenolphthalein	77-09-8	0.75	2.5	15	400	mg/m3	
2012	Phenyl dichloroarsine; (Dichlorophenylarsine)	696-28-6	1.5	1.5	4	125	mg/m3	
2013	Phenyl ether; (Diphenyl ether)	101-84-8	1	2	5	100	ppm	See LEL formatting note.
2014	Phenyl-1,2-propanedione, 1-	579-07-7	2.5	7.5	50	250	mg/m3	
2015	Phenylazo)aniline, p-(	60-09-3	0.6	2	12.5	75	mg/m3	
2016	Phenylboric Acid; (Benzeneboronic acid)	98-80-6	3	7.5	60	300	mg/m3	
2017	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	40	125	500	500	mg/m3	Added. Mouse ip LD50 ignore

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2018	Phenylene diisocyanate, 1,4-	104-49-4	3.5	10	35	35	mg/m3	
2019	Phenylenediamine dihydrochloride, 1,2-	615-28-1	10	30	125	125	mg/m3	
2020	Phenylenediamine dihydrochloride, 1,4-	624-18-0	0.6	1.5	12.5	60	mg/m3	
2021	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	0.1	0.3	50	500	mg/m3	
2022	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	0.1	0.3	5	125	mg/m3	
2023	Phenylenediamine, p-	106-50-3	0.1	0.3	0.5	25	mg/m3	
2024	Phenylhydrazine	100-63-0	0.1	0.3	0.5	15	ppm	PEL-TWA and REL-C ignore
2025	Phenylhydrazine hydrochloride	59-88-1	50	150	250	250	mg/m3	
2026	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	0.1	0.1	10	10	mg/m3	
2027	Phenylphenol, 2-	90-43-7	25	75	500	500	mg/m3	
2028	Phenylphosphine	638-21-1	0.05	0.05	0.05	15	ppm	
2029	Phenylpropanol, 2-; (Dimethylphenylmethanol)	617-94-7	1	3	20	100	ppm	**SAR** Ts = 4, 12.5, 100, 200 mg/m3 not used
2030	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	0.06	0.15	1.25	500	mg/m3	Added.
2031	Phenylsilatrane	2097-19-0	0.2	0.6	1	1	mg/m3	
2032	Phenylthiourea; (1-phenyl-2-thiourea)	103-85-5	3	3	3	3	mg/m3	
2033	Phenyltriethoxysilane	780-69-8	10	35	250	500	mg/m3	Added.
2034	Phenyltrimethoxysilane	2996-92-1	1.5	4	30	150	mg/m3	Added
2035	Phenylxylylethane; (PXE)	6196-95-8	10	30	50	250	mg/m3	
2036	Phloroglucinol dihydrate	6099-90-7	4	12.5	75	400	mg/m3	Added. Mouse LD > 500 mg/k
2037	Phorate	298-02-2	0.05	0.1	0.6	0.6	mg/m3	
2038	Phosacetim	4104-14-7	0.75	2	3.7	3.7	mg/m3	
2039	Phosfolan	947-02-4	1.5	5	9	9	mg/m3	
2040	**Phosgene**	**75-44-5**	0.10	0.10	0.30	0.75	ppm	**ERPG-2, -3, final AEGL-2 -3.** T-2, T-3 changed.
2041	Phosmet	732-11-6	0.025	0.075	0.54	40	mg/m3	
2042	Phosphamidon; (Famfos)	13171-21-6	0.06	0.15	0.3	60	mg/m3	
2043	**Phosphine**	**7803-51-2**	0.3	1.0	2.0	3.6	ppm	**ERPG-2, -3, interim AEG 2, -3** T-1, T-2, T-3 changed. See LEL formatting note.
2044	Phosphonic acid	13598-36-2	2	6	50	500	mg/m3	Added.
2045	Phosphonic acid, dioctadecyl ester	19047-85-9	0.02	0.06	0.4	2	mg/m3	**SAR**
2046	Phosphonic acid, tridodecyl ester	3076-63-9	12.5	40	250	500	mg/m3	Rat oral LD > 3160 mg/kg

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2047	Phosphoric acid	7664-38-2	1	3	5	500	mg/m3	
2048	Phosphoric acid dimethyl-p-(methylthio)phenyl ester	3254-63-5	1.25	4	7	7	mg/m3	
2049	Phosphorous pentafluoride	7647-19-0	3	3	15	75	ppm	
2050	Phosphorous trifluoride	7783-55-3	4	4	20	150	ppm	
2051	Phosphorus (red)	7723-14-0a	0.1	0.3	0.5	4	mg/m3	
2052	Phosphorus (yellow)	7723-14-0b	0.1	0.3	3	5	mg/m3	
2053	**Phosphorus oxychloride**	**10025-87-3**	0.1	0.479	0.5	0.85	ppm	**Interim AEGL-3.** T-3 changed.
2054	Phosphorus pentachloride	10026-13-8	1	2	4.25	70	mg/m3	
2055	Phosphorus pentasulfide	1314-80-3	1	3	5	250	mg/m3	
2056	**Phosphorus pentoxide**	**1314-56-3**	1	1	10	50	mg/m3	**ERPG-1, -2, -3**
2057	**Phosphorus trichloride**	**7719-12-2**	0.5	0.62	2.0	5.6	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** T-1, T-2, T- changed.
2058	Phosphorus trioxide	1314-24-5	0.4	1.25	7.5	40	mg/m3	No toxicity data found, LC50 based on SAX HR
2059	Phthalic acid	88-99-3	0.02	0.06	0.5	500	mg/m3	T-0, T-1, T-2 changed.
2060	Phthalic anhydride	85-44-9	12	12	30	60	mg/m3	See LEL formatting note.
2061	Physostigmine	57-47-6	0.75	2.5	4.5	4.5	mg/m3	
2062	Physostigmine salicylate(1:1)	57-64-7	0.5	1.5	2.5	2.5	mg/m3	
2063	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	10	35	150	150	mg/m3	Added. HC&P pchem data
2064	Picric acid	88-89-1	0.1	0.3	0.5	75	mg/m3	
2065	Picrotoxin	124-87-8	3	7.5	15	15	mg/m3	
2066	Pigment green 36	14302-13-7	15	50	350	500	mg/m3	
2067	Pigment yellow 13; (Butanamide, 2,2'-((3,3'-dichloro(1,1'-biphenyl)-4,4'-diyl)bis(azo)bis(N-(2,4-dimethylphenyl)-3-oxo-	5102-83-0	75	250	500	500	mg/m3	
2068	Pigment yellow 14	5468-75-7	20	60	400	500	mg/m3	
2069	Pigment yellow 36; (Zinc chromate)	13530-65-9	0.035	0.1	3.5	50	mg/m3	
2070	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	1.5	4.89	200	1000	ppm	See LEL formatting note.
2071	Pinacolyl alcohol; ((tert-Butyl methyl carbinol)	464-07-3	250	750	750	750	ppm	See LEL formatting note.
2072	Piperazine	110-85-0	2	6	40	500	mg/m3	
2073	Piperidine	110-89-4	0.3	0.75	6.32	250	ppm	See LEL formatting note.
2074	Pirimifos-ethyl	23505-41-1	5	15	25	60	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2075	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data, no MSDS found, assume non-volatile.
2076	Platinum	7440-06-4	1	3	4	4	mg/m3	
2077	Platinum cyanide	592-06-3	0.0025	0.0075	0.0125	5	mg/m3	
2078	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO)	68649-12-7	5	10	25	250	mg/m3	
2079	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Todine solutions)	25655-41-8	12.5	25	25	125	mg/m3	MSDS mixture components us
2080	Poly(1-vinyl-2-pyrolidinone) homopolymer; (Polyvinylprolidone; Plasdone)	9003-39-8	100	300	500	500	mg/m3	SAX has 8, RTECS 9 listings f this CASRN, used "homopolymer"
2081	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	10	30	200	500	mg/m3	MW = 111 x n
2082	Polybutyl acrylate	9003-49-0	10	30	50	250	mg/m3	No toxicity data
2083	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	0.2	0.6	1	5	mg/m3	
2084	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	0.2	0.6	1	5	mg/m3	
2085	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	0.2	0.6	1	5	mg/m3	
2086	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	0.2	0.6	1	5	mg/m3	
2087	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	1	3	5	5	mg/m3	
2088	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	0.2	0.6	1	5	mg/m3	
2089	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	0.5	1.5	2.5	5	mg/m3	
2090	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	0.2	0.6	1.5	5	mg/m3	T-0, T-1, T-2 changed.
2091	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl?))	z-0043	0.2	0.6	1.5	5	mg/m3	Used Aroclor 60% Cl. LANL CASRN not used since it is fo 60% Cl
2092	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	1	3	5	5	mg/m3	
2093	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	0.2	0.6	1	5	mg/m3	Used IDLH for other aroclors

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2094	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	1	3	5	5	mg/m3	MW range = 292-361
2095	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	7.5	25	150	500	mg/m3	Rat ip LD50
2096	Polyethylene	9002-88-4	10	30	50	500	mg/m3	
2097	Polyethylene glycol	25322-68-3	10	30	50	500	mg/m3	
2098	Polyethylene glycol 20M	37225-26-6	10	30	50	500	mg/m3	No toxicity data, CASRN 3722 26-6, SAX PJT000 data used
2099	Polyglycol 15-200: (Calthane NF and ND "B")	9082-00-2	40	125	500	500	mg/m3	Rat oral LD50
2100	Polymethacrylate; (Lucite)	9011-14-7	5	15	100	500	mg/m3	
2101	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0	10	30	50	100	mg/m3	
2102	Polyoxyethylene (20) sorbitan monolaurate; (	9005-64-5	10	35	250	500	mg/m3	Sorbate 20, SAX No. PKL00(same CASRN, less toxic.
2103	Polyoxyethylene monooctylphenyl ether	9036-19-5	15	50	350	500	mg/m3	
2104	Polyphosphoric acid	8017-16-1	1.5	5	40	200	mg/m3	No toxicity data, based Ts on MSDS data
2105	Polypropylene	9003-07-0	12.5	40	250	500	mg/m3	SAX PKI250 has same CASR for "combustion products", tox data not used
2106	Polypropylene glycols	25322-69-4	10	10	30	75	mg/m3	T-2 changed.
2107	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6	10	30	200	500	mg/m3	
2108	Polystyrene resin; (Styrene polymer)	9003-53-6	10	30	50	250	mg/m3	
2109	Polysulfone resin	25135-51-7	10	30	50	250	mg/m3	Added. Not found in database
2110	Polyurethane foam; (Urethane polymers)	9009-54-5	0.2	0.6	5	25	mg/m3	
2111	Polyvinyl alcohol	9002-89-5	40	125	500	500	mg/m3	
2112	Polyvinyl chloride	9002-86-2	6	18	300	500	mg/m3	
2113	Potassium	7440-09-7	2	2	2	10	mg/m3	KOH limits used, and NaOH IDLH
2114	Potassium acetate	127-08-2	12.5	40	250	500	mg/m3	
2115	Potassium acid fluoride	7789-29-9	5	15	25	500	mg/m3	Added.
2116	Potassium aluminate	12003-63-3	7.5	20	35	150	mg/m3	No toxicity data found
2117	Potassium aluminite	z-0044	2.5	7.5	12.5	500	mg/m3	**SAR**
2118	Potassium aluminosilicate	1327-44-2	5	30	50	500	mg/m3	**SAR**
2119	Potassium antimonate	29638-69-5	2	6	10	200	mg/m3	No toxicity data
2120	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	1	3	5	100	mg/m3	Used H&N MW & MF for this CASRN. KSbO3 not found

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2121	Potassium antimonite	z-0045	0.75	2.5	4	75	mg/m3	
2122	Potassium argentate	z-0046	0.015	0.05	0.075	15	mg/m3	
2123	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	0.025	0.075	0.125	12.5	mg/m3	MW and MF differ by one H ir RTECS, HSDB, etc.
2124	Potassium arsenite	10124-50-2	0.05	0.15	0.25	25	mg/m3	Used RTECS, HSDB, H&N, TSCA CASRN, MW, MF
2125	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	0.02	0.06	1	10	mg/m3	Used RTECS, HC&P CASRN MW, MF. All Ts changed
2126	Potassium beryllium oxide	z-0047	0.015	0.075	0.075	30	mg/m3	
2127	Potassium bicarbonate	298-14-6	12.5	35	60	500	mg/m3	TSCA MF = C-H2-O3.K; both H&N and HC&P same as SAX no toxicity data found. **SAR**
2128	Potassium bi-iodate	13455-24-8	4	12.5	75	400	mg/m3	Added. TSCA listed, No pchei data found, MSDS toxicity data
2129	Potassium bismuthate	12589-75-2	1.25	4	25	200	mg/m3	RTECS CASRN, with mw = 296.08, MF = Bi-O3.K., lists bo LD50 & Tdlo. SAR
2130	Potassium bisulfate	7646-93-7	10	30	200	500	mg/m3	
2131	Potassium bromate	7758-01-2	2	6	40	125	mg/m3	
2132	Potassium bromide	7758-02-3	12.5	40	250	500	mg/m3	
2133	Potassium cadminate	z-0048	0.01	0.06	0.1	20	mg/m3	MF based on MW
2134	Potassium carbonate	584-08-7	10	20	50	500	mg/m3	
2135	Potassium chlorate	3811-04-9	12.5	40	300	350	mg/m3	
2136	Potassium chloride	7447-40-7	1.5	5	15	15	mg/m3	
2137	Potassium chromate(VI)	7789-00-6	0.15	0.35	3.5	50	mg/m3	
2138	Potassium citrate	866-84-2	1.25	4	30	150	mg/m3	
2139	Potassium citrate, monohydrate	6100-05-6	10	30	50	250	mg/m3	Added. Not found in database
2140	Potassium columbate; (Potassium niobate)	12030-85-2	12.5	35	250	500	mg/m3	
2141	Potassium cyanide	151-50-8	5	5	5	60	mg/m3	
2142	Potassium dichromate	7778-50-9	0.125	0.25	2.5	40	mg/m3	
2143	Potassium dideuterium phosphate	13761-79-0	0.0015	0.004	0.0075	0.2	mg/m3	
2144	Potassium ferricyanide	13746-66-2	6	15	30	500	mg/m3	
2145	Potassium ferrocyanide trihydrate; (Tetrapotassium hexacyanoferrate)	13943-58-3	10	35	60	60	mg/m3	
2146	Potassium fluoride	7789-23-3	7.5	20	40	500	mg/m3	
2147	Potassium formate	590-29-4	20	60	500	500	mg/m3	
2148	Potassium glycolate	1932-50-9	7.5	20	150	750	ppm	**SAR See LEL formatting not**

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2149	Potassium hexacyanoferate(II); (Potassiumate)ferrocyanide trihydr	14459-95-1	12.5	40	60	60	mg/m3	
2150	Potassium hydrogen lead oxide	z-0049	0.06	0.06	0.06	125	mg/m3	**SAR**
2151	Potassium hydrogen pyrophosphate	z-0050	4	12.5	20	400	mg/m3	**SAR**
2152	Potassium hydrogen silicate	z-0051	10	30	50	250	mg/m3	
2153	Potassium hydroxide	1310-58-3	2	2	2	150	mg/m3	
2154	Potassium iminodiacetate; (Potassium IDA)	z-0052	4	12.5	100	500	ppm	Disodium iminodiacetate is CASRN 928-72-3, MW = 177.0 MW does not match MF. See LEL formatting note. **SAR**
2155	Potassium iodate	7758-05-6	20	60	60	60	mg/m3	
2156	Potassium iodide	7681-11-0	0.25	0.75	6	300	mg/m3	
2157	Potassium lanthanate	z-0053	0.4	1.25	2.5	2.5	mg/m3	**SAR**
2158	Potassium metaborate	13709-94-9	12.5	35	250	500	mg/m3	CASRN ex LANL added, TSC MF, MW used. **SAR**
2159	Potassium molybdate	13446-49-6	12.5	35	60	500	mg/m3	
2160	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	0.75	0.75	1.5	30	mg/m3	
2161	Potassium nickelate (liquids)	z-0055	1	1	1.5	35	mg/m3	
2162	Potassium nickelate (solids)	z-0056	2	2	3.5	35	mg/m3	
2163	Potassium nitrate	7757-79-1	1	3.5	20	500	mg/m3	SAX MW incorrect
2164	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1	5	15	100	500	mg/m3	
2165	Potassium nitrite	7758-09-0	0.04	0.1	0.75	500	mg/m3	
2166	Potassium orthovanadate	14293-78-8	0.06	0.2	0.6	40	mg/m3	
2167	Potassium oxalate	583-52-8	7.5	25	150	500	mg/m3	
2168	Potassium oxalate monohydrate	6487-48-5	7.5	25	150	500	mg/m3	No toxicity data found. Used Potassium oxalate, CASRN 58 52-8
2169	Potassium perchlorate	7778-74-7	125	400	500	500	mg/m3	
2170	Potassium periodate	7790-21-8	1	3	20	100	mg/m3	Added. Rat LC50 estimated from HR
2171	Potassium permanganate	7722-64-7	0.6	7.5	15	125	mg/m3	
2172	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	0.1	0.3	0.5	350	mg/m3	
2173	Potassium pertechnetate	14133-76-7	10	30	50	250	mg/m3	Naturally radioactive, T1/2 220 years, radiation dose will dominate

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2174	Potassium phosphate dibasic trihydrate	16788-57-1	300	500	500	500	mg/m3	Not found, but K phosphate dibasic, CASRN = 7758-11-4 SAX PLQ400 toxicity used
2175	Potassium phosphate, dibasic	7758-11-4	10	30	50	250	mg/m3	
2176	Potassium phosphate, monobasic	7778-77-0	10	30	50	500	mg/m3	
2177	Potassium phosphate, tribasic	7778-53-2	10	30	50	500	mg/m3	
2178	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	10	30	500	500	mg/m3	
2179	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	10	30	50	250	mg/m3	
2180	Potassium pyrosulfite	16731-55-8	20	60	400	500	mg/m3	Added.
2181	Potassium selenate	7790-59-2	0.5	1.5	2.5	2.5	mg/m3	
2182	Potassium selenite	10431-47-7	0.5	0.5	0.5	2.5	mg/m3	TSCA MF = 2K.H2SeO3
2183	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	10	30	50	250	mg/m3	Added. Listed in HSDB and TSCA
2184	Potassium silver cyanide	506-61-6	1	3	20	20	mg/m3	
2185	Potassium stannate	12142-33-5	2.5	7.5	12.5	125	mg/m3	**SAR** Potassium stannate trihydrate has CASRN = 12125 03-0 mu iv LD50, and Sn cmpr limits, Ts are 4, 12.5, 20, 150
2186	Potassium strontium phosphate	53201-92-6	10	30	50	500	mg/m3	**SAR**
2187	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	2	6	40	500	mg/m3	
2188	Potassium sulfite	10117-38-1	10	30	50	250	mg/m3	
2189	Potassium tellurate	15571-91-2	0.2	0.6	1	5	mg/m3	TSCA MF = 2K-Te-H2-O4
2190	Potassium tellurite	7790-58-1	0.2	0.6	1	15	mg/m3	
2191	Potassium tetrafluoroborate(1-)	14075-53-7	4	125	200	400	mg/m3	Added.
2192	Potassium tetraphenylborate	3244-41-5	1	3	5	25	mg/m3	Data from MSDS
2193	Potassium thiocyanate	333-20-0	10	35	60	60	mg/m3	
2194	Potassium trihydrogen silicate	z-0058	10	30	50	250	mg/m3	
2195	Potassium tungstate (liquids)	7790-60-5a	1.5	5	5	5	mg/m3	
2196	Potassium tungstate (solids)	7790-60-5b	1.5	5	5	5	mg/m3	
2197	Potassium uranyl carbonate	z-0059	0.4	1	1.75	15	mg/m3	
2198	Potassium zirconate	12030-98-7	12.5	25	25	60	mg/m3	T-3 changed.
2199	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	1.5	5	35	150	mg/m3	LD50 estimated, databases M differ
2200	Praseodymium nitrate	10361-80-5	7.5	20	150	500	mg/m3	
2201	Praseodymium oxide	12036-32-7	7.5	25	150	500	mg/m3	No toxicity data found, rat ora LD50 estimated from other Pr compounds

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2202	Praseodymium(III,IV) oxide	12037-29-5	20	60	400	500	mg/m3	Added. RTECS rat LD50 > 5 g/kg' no pchem data found.
2203	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	3	10	16	25	mg/m3	
2204	Propanamine, 1-; (Propylamine)	107-10-8	15	50	250	250	ppm	See LEL formatting note.
2205	Propane	74-98-6	1000	***2100***	***2100***	***2100***	ppm	See LEL formatting note.
2206	Propane sultone, 1,3-	1120-71-4	0.4	1.25	7.5	20	mg/m3	
2207	Propanediamine, 1,2-	78-90-0	7.5	25	200	500	mg/m3	
2208	Propanediamine, 1,3-	109-76-2	0.2	0.6	4	40	ppm	
2209	**Propanedinitrile; (Malononitrile)**	**109-77-3**	3.5	3.5	3.5	7.5	ppm	**Interim AEGL-2, -3.** All T changed.
2210	Propanediol, 1,3-	504-63-2	20	60	400	500	mg/m3	Added.
2211	Propanediol, 2,2-dimethyl-, 1,3-	126-30-7	600	600	600	600	ppm	Added.
2212	Propanethiol	107-03-9	0.025	0.075	0.5	750	ppm	Added.
2213	Propanol, 3-, 1-(trimethoxysilyl)-, methacrylate; (Silane A-174)	2530-85-0	6	15	125	500	mg/m3	Added
2214	Propanol, 3-chloro, 1-	627-30-5	10	30	200	500	mg/m3	Added.
2215	Propanol, zirconium(4+) salt, 1-	23519-77-9	15	50	75	150	mg/m3	Added. Not found in database
2216	Propargyl alcohol	107-19-7	1	1.5	5	60	ppm	
2217	Propargyl bromide	106-96-7	0.03	0.03	0.03	20	mg/m3	See LEL formatting note.
2218	Propiolactone, b-	57-57-8	0.5	0.509	5	15	ppm	See LEL formatting note.
2219	Propionaldehyde	123-38-6	30	75	500	500	mg/m3	See LEL formatting note.
2220	Propionic acid	79-09-4	10	10	15	350	ppm	See LEL formatting note.
2221	Propionic acid, 3-ethoxy-, ethyl ester	763-69-9	20	60	400	500	mg/m3	
2222	Propionic acid, sodium salt	137-40-6	15	50	350	500	mg/m3	Added.
2223	Propionic anhydride	123-62-6	10	30	200	500	mg/m3	See LEL formatting note.
2224	**Propionitrile; (Propiononitrile)**	**107-12-0**	6	6	7	37	ppm	**Interim AEGL-2, -3** T-1, T 2, T-3 changed. See LEL formatting note.
2225	Propionyl chloride	79-03-8	0.075	0.2	1.5	7.5	ppm	
2226	Propoxur	114-26-1	0.5	1.5	20	20	mg/m3	
2227	Propyl alcohol, n-	71-23-8	200	250	250	800	ppm	See LEL formatting note.
2228	Propyl chloroformate; (Propyl chlorocarbonate)	109-61-5	0.4	1.25	2	60	ppm	
2229	Propyl nitrate	627-13-4	25	40	125	1160	ppm	See LEL formatting note.
2230	Propyl-1-butanamine, N-	20193-21-9	15	50	350	500	mg/m3	**SAR**
2231	Propylbenzene, N-; (Isocumene)	103-65-1	30	75	600	***3000***	ppm	See LEL formatting note.
2232	Propylene carbonate, 1,2-	108-32-7	0.125	0.35	2.5	12.5	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fron TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2233	Propylene glycol dinitrate	6423-43-4	0.05	0.05	0.1	15	ppm	Propylene glycol dinitrate is on component of "Otto fuel"
2234	Propylene glycol monomethyl ether acetate; (1-Methoxypropyl-2-acetate)	108-65-6	50	150	250	600	ppm	See LEL formatting note.
2235	Propylene glycol monomethyl ether; (UCAR TRIOL HG-170)	107-98-2	100	150	300	750	ppm	See LEL formatting note.
2236	Propylene glycol mono-n-butyl ether; (3-butoxy-1-propanol)	10215-33-5	10	10	10	10	ppm	
2237	Propylene glycol; (1,2-Propanediol)	57-55-6	50	50	75	750	ppm	See LEL formatting note.
2238	**Propylene oxide; (Methyl ethylene oxide)**	**75-56-9**	73	73	290	870	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts changed. See LEL formatting note.
2239	Propylene; (1-Propene)	115-07-1	500	1500	***2500***	***500000***	ppm	See LEL formatting note. All T changed.
2240	**Propyleneimine, 1,2-**	**75-55-8**	2	2	12	23	ppm	**Interim AEGL-2, -3.** T-1, T 2, T-3 changed.
2241	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	0.35	1	1.7	7.5	mg/m3	
2242	Pump oil	64742-65-0	100	300	500	500	mg/m3	
2243	Pyrene	129-00-0	2.5	7.5	15	15	mg/m3	T-0, T-1 changed.
2244	Pyridine	110-86-1	5	15	25	1000	ppm	See LEL formatting note.
2245	Pyriminil; (Pyriminyl)	53558-25-1	1.25	3.5	6.2	20	mg/m3	
2246	Pyrogallic acid	87-66-1	0.75	2.5	15	25	mg/m3	Added.
2247	Pyromellitic acid	89-05-4	1.25	3.5	25	125	mg/m3	
2248	Pyroxylin; (Cellulose tetranitrate)	9004-70-0	10	30	50	500	mg/m3	
2249	Pyrrolidine	123-75-1	5	15	100	500	mg/m3	
2250	Pyrrolidinone, 2-	616-45-5	1	3	20	40	ppm	
2251	Pyruvate kinase	9001-59-6	2.5	7.5	50	500	mg/m3	No data found. Glycolytic enzyme toxicity based on Kinas (9039-53-6) and Pyruvic acid (127-17-3)
2252	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	1.5	5	35	150	mg/m3	
2253	Quinhydrone	106-34-3	0.3	0.75	6	30	mg/m3	
2254	Quinoline	91-22-5	0.2	0.6	5	25	ppm	
2255	Quinolinol, 8-	148-24-3	2.5	7.5	50	500	mg/m3	T-0, T-1, T-2 changed.
2256	Resorcinol	108-46-3	10	20	20	20	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2257	REXYN I-300; (Etylene glycol dimethacrylate-styrene polymer, chloromethylated, trimethylamine, hydroxide)	69011-49-0	10	30	50	250	mg/m3	Added. TSCA listed, MW is for = 1. No toxicity data found. S(ex MSDS.
2258	Rhenium fluoride	10049-17-9	6	15	30	500	mg/m3	Added.
2259	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	1.25	4	6	30	mg/m3	Soluble W limits used
2260	Rhodium	7440-16-6	0.1	3	5	100	mg/m3	
2261	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a	0.0013	0.0375	0.0625	2.5	mg/m3	Liquid treated as soluble
2262	Rhodium oxide (solids); (Rhodium((IV) oxide)	12137-27-8b	0.125	4	6	125	mg/m3	Solids treated as insoluble
2263	Rhodium(III) hydroxide (liquids)	21656-02-0a	0.0015	0.045	0.075	3	mg/m3	Liquid treated as soluble
2264	Rhodium(III) hydroxide (solids)	21656-02-0b	0.15	4	7.5	150	mg/m3	Solids treated as insoluble
2265	Rhodium(III) oxide (solids)	12036-35-0	0.125	3.5	6	125	mg/m3	
2266	Riboflavine	83-88-5	7.5	25	150	500	mg/m3	Added.
2267	Ribonuclease T1	9026-12-4	10	30	50	250	mg/m3	No toxicity data. PNOS optio used.
2268	Ricin	9009-86-3	0.025	0.075	0.5	1.5	mg/m3	
2269	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	0.1	0.3	40	40	mg/m3	
2270	Rotenone	83-79-4	5	5	7.5	500	mg/m3	
2271	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	100	100	200	1000	ppm	CASRN = 8030-30-6 in SAX & HSDB
2272	Rubidium	7440-17-7	5	15	100	500	mg/m3	
2273	Rubidium bromide	7789-39-1	10	30	50	250	mg/m3	
2274	Rubidium chloride	7791-11-9	0.015	0.05	0.35	500	mg/m3	
2275	Rubidium hydroxide	1310-82-3	2.5	7.5	50	250	mg/m3	
2276	Rubidium nitrate	13126-12-0	10	30	50	500	mg/m3	
2277	Ruthenium	7440-18-8	10	30	50	250	mg/m3	
2278	Ruthenium trichloride	10049-08-8	1.5	4	30	150	mg/m3	
2279	Ruthenium(IV) oxide	12036-10-1	4	12.5	15	15	mg/m3	
2280	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	5	15	100	500	mg/m3	
2281	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	7.5	20	40	400	mg/m3	
2282	Salicylic acid	69-72-7	0.3	0.75	6	400	mg/m3	
2283	Salicylic acid, monoammonium salt	528-94-9	1.5	4	30	500	mg/m3	Added. No pchem data found
2284	Salicylic acid, phenyl ester	118-55-8	4	12.5	75	500	mg/m3	Added.
2285	Samarium nitrate	10361-83-8	7.5	25	150	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2286	Samarium(III) chloride hexahydrate	13465-55-9	12.5	40	250	500	mg/m3	Added. Not found in database ChemFinder MF, MW, MSDS toxicity data.
2287	Samarium(III) oxide	12060-58-1	20	60	400	500	mg/m3	Rat oral LD50 > 5 g/kg
2288	Saxitoxin	35523-89-8	0.000035	0.0001	0.0006	0.0035	mg/m3	Added. ChemFinder has MW 315.3314, MF = C11.H21.N7.C
2289	Scandium	7440-20-2	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data.
2290	Scandium oxide	12060-08-1	10	30	50	250	mg/m3	No toxicity data found, PNOS used
2291	Selenious acid	7783-00-8	0.3	1	1.5	1.5	mg/m3	
2292	Selenium	7782-49-2	0.2	0.6	1	1	mg/m3	
2293	Selenium dioxide	7446-08-4	0.25	0.75	1.25	1.3	mg/m3	
2294	Selenium hexafluoride	7783-79-1	0.125	0.35	0.6	5	ppm	
2295	Selenium monosulfide	7446-34-6	0.25	0.75	12.5	15	mg/m3	
2296	Selenium oxychloride	7791-23-3	0.4	1.25	4	4	mg/m3	
2297	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	0.35	1	1.5	60	mg/m3	
2298	Semicarbazide hydrochloride	563-41-7	20	60	100	100	mg/m3	
2299	Sephadex gel filter 20-801	9041-35-4	10	30	50	250	mg/m3	Not found in databases, PNOS option used
2300	Silane	7803-62-5	5	15	25	***4000***	ppm	See LEL formatting note.
2301	Silane, trimethoxyvinyl	71-91-0	30	75	300	300	ppm	Added.
2302	Silica amorphous fumed	112945-52-5	2	6	100	500	mg/m3	
2303	Silica amorphous hydrated	7631-86-9	6	30	50	500	mg/m3	SAX name for this CASRN.
2304	Silica gel	63231-67-4	10	30	50	250	mg/m3	PEL = 80/% SiO2 not used; se 7631-86-9, SCI000, and 11292 00-8 (Silica gel)
2305	Silica gel dessicant	1343-98-2	6	30	500	500	mg/m3	See 7631-86-9, SCI000, and 112926-00-8 (Silica gel)
2306	Silica gel, amorphous synthetic	112926-00-8	10	30	50	250	mg/m3	
2307	Silica, amorphous fume	69012-64-2	2	6	10	50	mg/m3	
2308	Silica, amorphous; (Diatomaceous earth)	61790-53-2	10	30	50	500	mg/m3	Added.
2309	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	0.15	0.15	0.25	50	mg/m3	
2310	Silicate(2-) hexafluoro-dipotassium	16871-90-2	5	15	25	60	mg/m3	Added.
2311	Silicic acid	7699-41-4	10	10	50	400	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2312	Silicic acid, aluminum calcium sodium salt	1344-01-0	10	30	50	250	mg/m3	Added. HSDB, TSCA listed, n toxixity data, suspected mino eye irritation ignored. . MW is minimum.
2313	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	3	7.5	15	50	mg/m3	
2314	Silicon	7440-21-3	15	30	50	500	mg/m3	
2315	Silicon carbide	409-21-2	15	30	50	250	mg/m3	
2316	Silicon nitride	12033-89-5	10	30	50	250	mg/m3	Added. TSCA, HC&Plisted, nc toxicity data..
2317	Silicon tetrafluoride; (Tetrafluorosilane)	7783-61-1	0.75	2.25	3.75	100	ppm	
2318	Silicon(II) oxide; (Silicon oxide)	10097-28-6	10	30	50	250	mg/m3	
2319	Siloprene k 1000	63394-02-5	35	100	500	500	mg/m3	Added. No pchem data found
2320	Siloxanes and silicones, -di-Me,-reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	6	15	125	500	mg/m3	
2321	Siloxanes and silicones; (Silicone fluid, high temp)	63148-58-3	10	10	50	250	mg/m3	MW estimated and used toxici data for Silicone Y-6607 (Siloxanes), 67762-92-9
2322	Silver	7440-22-4	0.01	0.3	0.5	10	mg/m3	
2323	Silver carbonate; (Silver(I) carbonate)	534-16-7	0.0125	0.04	0.06	12.5	mg/m3	
2324	Silver chloride	7783-90-6	0.0125	0.04	0.06	12.5	mg/m3	Changed all Ts. Solubity 6.9 g/100 mLwater @20C
2325	Silver cyanide	506-64-9	25	25	25	125	mg/m3	
2326	Silver hydroxide	12673-77-7	0.01	0.035	0.06	10	mg/m3	
2327	Silver nitrate	7761-88-8	0.015	0.045	0.075	15	mg/m3	
2328	Silver nitrite; (Silver(I) nitrite)	7783-99-5	0.0125	0.04	0.06	12.5	mg/m3	
2329	Silver oxide	20667-12-3	10	30	50	50	mg/m3	Insoluble compound.
2330	Soda lime	8006-28-8	5	5	5	25	mg/m3	Used CaO limits
2331	Sodium	7440-23-5	0.5	0.5	5	50	mg/m3	NaOH limits used
2332	Sodium acetate	127-09-3	15	40	300	500	mg/m3	
2333	Sodium acetate trihydrate; (Aceic acid, sodium salt trihydrate)	6131-90-4	15	40	300	500	mg/m3	Monohydrate CASRN 31304-4 6, SAX SEG650 (LANL pchen data differs)
2334	Sodium aluminate	1302-42-7	2	6	10	50	mg/m3	
2335	Sodium aluminate; (Aluminum sodium oxide)	11138-49-1	2	6	10	500	mg/m3	
2336	Sodium aluminosilicate	1344-00-9	3.5	10	150	500	mg/m3	Rat oral LD50 > 27 g/kg, LC > 140 mg/m3 **SAR**
2337	Sodium aluminum silicate	73987-94-7	3.5	10	15	500	mg/m3	**SAR**

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2338	Sodium antimonate; (Sodium hexahydroxoantimonate)	33908-66-6	0.75	2	4	75	mg/m3	TSCA has CASRN= 33908-66 for Na.Sb.(OH)6
2339	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	1	3	5	100	mg/m3	TSCA lists CASRN = 15432-85 for Na.SbO3
2340	Sodium antimonite	z-0061	0.75	2.5	4	75	mg/m3	
2341	Sodium argentate	z-0062	0.015	0.04	0.075	15	mg/m3	
2342	Sodium arsenate	7631-89-2	0.025	0.075	0.125	12.5	mg/m3	REL-C ignored
2343	Sodium arsenite	7784-46-5	0.015	0.045	0.075	7.5	mg/m3	REL-C ignored
2344	Sodium azide	26628-22-8	0.29	0.29	0.29	12.5	mg/m3	
2345	Sodium beryllium oxide	z-0063	0.0125	0.06	0.0625	25	mg/m3	
2346	Sodium bicarbonate	144-55-8	10	30	50	500	mg/m3	
2347	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	4	4	6	35	mg/m3	
2348	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	15	40	75	350	mg/m3	Added. No toxicity data found
2349	Sodium bismuthate	12232-99-4	1.5	5	35	150	mg/m3	**SAR** TEELs 1.25, 4, 25, 200 mg/m3 not used
2350	Sodium bisulfate monohydrate	10034-88-5	0.75	2.5	15	75	mg/m3	
2351	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	1.25	3.5	25	125	mg/m3	
2352	Sodium bisulfite	7631-90-5	5	15	25	500	mg/m3	
2353	Sodium borate decahydrate	1303-96-4	2	6	6	500	mg/m3	T-0, T-1, T-2 changed.
2354	Sodium borohydride	16940-66-2	0.075	0.2	1.5	7.5	mg/m3	
2355	Sodium bromate	7789-38-0	0.6	1.5	12.5	60	mg/m3	
2356	Sodium bromide	7647-15-6	1.5	5	35	500	mg/m3	
2357	Sodium butyl (2-ethylhexyl)phosphate	z-0064	0.02	0.06	0.4	2	mg/m3	**SAR**
2358	Sodium butyl butylphosphonate	z-0065	0.02	0.06	0.4	2	mg/m3	**SAR**
2359	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	1	3	40	500	mg/m3	
2360	Sodium cadminate	z-0066	0.01	0.06	0.1	15	mg/m3	
2361	Sodium carbonate	497-19-8	10	30	50	500	mg/m3	
2362	Sodium carbonate monohydrate	5968-11-6	1.5	5	35	150	mg/m3	HSDB data used.
2363	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4	0.4	1.25	7.5	500	mg/m3	
2364	Sodium chloride	7647-14-5	15	40	300	500	mg/m3	
2365	Sodium chlorite	7758-19-2	0.75	2.5	15	75	mg/m3	RTECS MF and MW differ from other sources
2366	Sodium chromate decahydrate	13517-17-4	0.3	0.6	0.6	100	mg/m3	
2367	Sodium chromate tetrahydrate	10034-82-9	0.15	0.15	0.3	40	mg/m3	
2368	Sodium chromate(VI); (Disodium chromate)	7775-11-3	0.15	0.3	0.3	40	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2369	Sodium citrate; (Monosodium citrate)	18996-35-5	10	30	50	500	mg/m3	
2370	Sodium cobaltinitrite	13600-98-1	0.125	0.4	3	15	mg/m3	
2371	Sodium cyanide	143-33-9	5	5	5	40	mg/m3	
2372	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	10	30	50	250	mg/m3	Added. No toxicity data. Ignite in air.
2373	Sodium dichromate dihydrate	7789-12-0	0.15	0.3	0.3	40	mg/m3	
2374	Sodium dichromate; (Disodium dichromate)	10588-01-9	0.125	0.25	25	35	mg/m3	
2375	Sodium diethyldithiocarbamate trihydrate	20624-25-3	6	15	125	500	mg/m3	Added.
2376	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5	2	6	100	500	mg/m3	
2377	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	100	300	500	500	mg/m3	HSDB data. T-0, T-1 changed
2378	Sodium dithionate dihydrate	7631-94-9	10	30	50	250	mg/m3	No toxicity data; error in H&N
2379	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	4	12.5	75	200	mg/m3	
2380	Sodium ferrocyanide	13601-19-9	5	15	25	500	mg/m3	
2381	Sodium fluoride	7681-49-4	5	5	5	75	mg/m3	
2382	Sodium formate	141-53-7	40	125	500	500	mg/m3	
2383	Sodium gluconate	527-07-1	0.6	2	15	75	mg/m3	
2384	Sodium glycinate	6000-44-8	1	3.5	25	125	ppm	
2385	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	10	30	200	750	ppm	See LEL formatting note.
2386	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	10	30	50	250	mg/m3	Added. TSCA listed
2387	Sodium hydride	7646-69-7	10	10	10	10	mg/m3	
2388	Sodium hydrogen lead oxide	z-0067	0.06	0.06	0.06	125	mg/m3	**SAR**
2389	Sodium hydrogen metasilicate	z-0068	4	12.5	75	400	mg/m3	**SAR**
2390	Sodium hydrogen pyrophosphate	z-0069	4	12.5	20	400	mg/m3	**SAR**
2391	Sodium hydrosulfite	7775-14-6	10	30	50	250	mg/m3	
2392	**Sodium hydroxide**	**1310-73-2**	0.5	0.5	5	50	mg/m3	**ERPG-1, -2, -3**
2393	Sodium hypochlorite	7681-52-9	25	75	500	500	mg/m3	
2394	Sodium hypochlorite pentahydrate	10022-70-5	0.075	0.2	1.5	500	mg/m3	
2395	Sodium hypophosphite	7681-53-0	6	20	125	500	mg/m3	Added. No pchem data found
2396	Sodium hypophosphite hydrate	123333-67-5	6	20	125	500	mg/m3	Used toxicity data for Na hypophosphite, CASRN = 7681-53-0
2397	Sodium iodate	7681-55-2	1.5	1.5	1.5	25	mg/m3	Iodine compound

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fron TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2398	Sodium iodide	7681-82-5	0.75	2.5	15	500	mg/m3	
2399	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	0.25	0.75	6	100	mg/m3	All Ts changed.
2400	Sodium lanthanate	z-0070	0.4	1.25	2.5	2.5	mg/m3	No "lanthanate" listing found SAR
2401	Sodium lauryl sulfate	151-21-3	0.35	1	6	500	mg/m3	
2402	Sodium metabisulfite	7681-57-4	5	15	25	100	mg/m3	
2403	Sodium metaborate	7775-19-1	6	15	30	500	mg/m3	SAX, RTECS, HSDB MF = BHO2.Na, not NaBO2
2404	Sodium metaphosphate	10361-03-2	3.5	10	75	350	mg/m3	
2405	Sodium metasilicate	z-0071	50	150	250	500	mg/m3	LANL CASRN not used becau MF in SAX and RTECS differe (see sodium silicate). HSDB CHRIS and TSCA MF also diff
2406	Sodium metasilicate nonahydrate	13517-24-3	100	300	500	500	mg/m3	
2407	Sodium metavanadate; (Sodium vanadate)	13718-26-8	0.1	0.35	2	30	mg/m3	
2408	Sodium methylate	124-41-4	7.5	25	150	500	mg/m3	
2409	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	3.5	3.5	200	200	mg/m3	
2410	Sodium monoxide; (Sodium oxide)	12401-86-4	10	10	10	10	mg/m3	
2411	Sodium nickel oxide (Liquid)	37367-09-2	0.6	0.6	1	20	mg/m3	
2412	Sodium nickelate (Liquids)	z-0073	0.75	0.75	1.5	30	mg/m3	
2413	Sodium nickelate (Solids)	z-0074	1.5	1.5	3	30	mg/m3	
2414	Sodium nitrate	7631-99-4	0.4	1	7.5	100	mg/m3	
2415	Sodium nitrite	7632-00-0	0.04	0.125	1	60	mg/m3	
2416	Sodium nitroferricyanide	14402-89-2	0.6	2	12.5	20	mg/m3	
2417	Sodium o-benzyl-p-chlorophenate	3184-65-4	10	30	50	250	mg/m3	
2418	Sodium orthovanadate	13721-39-6	0.15	0.15	15	35	mg/m3	
2419	Sodium oxalate	62-76-0	10	30	50	50	mg/m3	
2420	Sodium pentachlorophenate	131-52-2	1	3.5	25	75	mg/m3	
2421	Sodium perchlorate	7601-89-0	10	30	50	500	mg/m3	
2422	Sodium perchlorate monohydrate	7791-07-3	5	15	100	500	mg/m3	
2423	Sodium peroxide	1313-60-6	10	10	10	10	mg/m3	
2424	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	10	30	50	500	mg/m3	
2425	Sodium persulfate	7775-27-1	0.1	0.3	0.5	100	mg/m3	
2426	Sodium pertechnetate	13718-28-0	10	30	50	250	mg/m3	Radiation dose will dominate
2427	Sodium phosphate	7632-05-5	0.75	2.5	15	75	mg/m3	Mouse LD > 100 mg/kg

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2428	Sodium phosphate decahydrate	13472-36-1	10	30	200	500	mg/m3	Used toxicity of disodium pyrophosphate, CASRN = 7757-16-9
2429	Sodium phosphate, dibasic	7558-79-4	60	200	500	500	mg/m3	Spelling corrected.
2430	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	1.5	5	35	150	mg/m3	
2431	Sodium phosphate, dibasic, heptahydrate	7782-85-6	50	150	500	500	mg/m3	
2432	Sodium phosphate, monobasic	7558-80-7	35	100	500	500	mg/m3	
2433	Sodium phosphate, tribasic	7601-54-9	10	30	50	500	mg/m3	
2434	Sodium phosphate, tribasic, dodecahydrate	10101-89-0	10	30	50	500	mg/m3	
2435	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8	25	75	500	500	mg/m3	
2436	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	15	40	300	500	mg/m3	
2437	Sodium polyphosphate	68915-31-1	12.5	40	250	500	mg/m3	Added
2438	Sodium polytungstate	12141-67-2	6	12.5	35	150	mg/m3	Added. TSCA listed, no toxicit or pchem data found.
2439	Sodium potassium tartrate tetrahydrate	6381-59-5	20	60	400	500	mg/m3	HC&N listed under CASRN 30 59-6, used HSDB toxicity data
2440	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	20	60	400	500	mg/m3	No toxicity data found
2441	Sodium p-tert-amylphenate; (4-(1,1-dimethylpropyl)phenol, sodium salt)	31366-95-7	10	30	50	250	mg/m3	
2442	Sodium pyrophosphate, di-	7758-16-9	10	30	50	500	mg/m3	
2443	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	40	100	500	500	mg/m3	
2444	Sodium selenate; (Disodium selenate)	13410-01-0	0.5	1.5	1.6	1.6	mg/m3	
2445	Sodium selenite	10102-18-8	0.4	1.25	2.3	3	mg/m3	
2446	Sodium silicate	1344-09-8	7.5	25	150	500	mg/m3	
2447	Sodium silicate	1344-09-8	7.5	25	150	500	mg/m3	Added. No pchem data found
2448	Sodium silicate; (Sodium metasilicate)	6834-92-0	4	12.5	75	500	mg/m3	T-0, T-1, T-2 changed.
2449	Sodium stannate	12058-66-1	3.5	10	15	150	mg/m3	As inorganic tin compound Ts 3.5, 10.5, 30, 150 mg/m3. **SA** not used.
2450	Sodium stearate	822-16-2	0.15	0.5	3.5	15	mg/m3	
2451	Sodium strontium phosphate	19553-80-1	10	30	50	500	mg/m3	**SAR**
2452	Sodium succinate	150-90-3	5	15	100	600	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2453	Sodium succinate, hexahydrate	6106-21-4	35	100	500	500	mg/m3	Added. Not found in database MF and MW from ChemFinde
2454	Sodium sulfate, anhydrous	7757-82-6	10	30	500	500	mg/m3	
2455	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	0.06	0.15	1.25	6	mg/m3	
2456	Sodium sulfide	1313-82-2	0.75	2.5	15	75	mg/m3	
2457	Sodium sulfide nonahydrate	1313-84-4	0.2	0.6	4	20	mg/m3	
2458	Sodium sulfite	7757-83-7	10	30	50	100	mg/m3	
2459	Sodium tartrate dihydrate	6106-24-7	5	15	100	500	mg/m3	Added. Not found in database NFPA HHR = 1, MSDS pchen and rat LD50 data.
2460	Sodium tellurate	10101-83-4	0.15	0.5	0.75	150	mg/m3	
2461	Sodium tellurite	10102-20-2	0.15	0.5	7.5	25	mg/m3	
2462	Sodium tetraborate, di-	1330-43-4	1	6	6	6	mg/m3	All Ts changed.
2463	Sodium tetrafluoroborate(1-)	13755-29-8	3.5	10	15	100	mg/m3	Added.
2464	Sodium tetraphenyl borate	143-66-8	1.25	3.5	25	125	mg/m3	
2465	Sodium thiosulfate	7772-98-7	10	30	50	500	mg/m3	
2466	Sodium thiosulfate pentahydrate	10102-17-7	10	30	50	500	mg/m3	
2467	Sodium tridecylbenzene sulfonate	26248-24-8	2	6	40	200	mg/m3	Added. MF and MW differ in databases. No mammalian toxicity data found, HSDB probable human LD 0.5-5.0 g/k
2468	Sodium trihydrogen silicate	z-0076	10	30	50	250	mg/m3	
2469	Sodium tripolyphosphate	7758-29-4	10	30	50	500	mg/m3	
2470	Sodium tungstate	13472-45-2	1	3	5	500	mg/m3	
2471	Sodium tungstate dihydrate	10213-10-2	1.5	5	7.5	75	mg/m3	
2472	Sodium uranate; (Sodium diuranate)	13721-34-1b	0.075	0.75	1.5	15	mg/m3	See CASRN 13721-34-1a.
2473	Sodium uranium oxide	13721-34-1a	0.06	0.75	1.25	12.5	mg/m3	TSCA listed, no toxicity data. HC&P has "monohydrate", MF Na2. U2.O7..H2.O, MW = 652.049.
2474	Sodium uranyl carbonate	z-0078	0.4	0.75	1.5	15	mg/m3	
2475	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	10	20	20	50	mg/m3	T-3 changed.
2476	Sodium-Potassium	11135-81-2	0.5	0.5	5	50	mg/m3	ERPGs for NaOH used. MW f 78wt.% K and 22 wt.% Na
2477	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7	10	30	50	500	mg/m3	
2478	Solvent Yellow 3	97-56-3	2	6	40	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2479	**Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate, GD)**	**96-64-0**	0.00003	0.00018	0.0022	0.017	ppm	**Final AEGL-1, -2, -3.** T-1, 2, T-3 changed.
2480	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8	0.75	2	15	500	mg/m3	Added. No pchem data found
2481	Sorbitan, monolaurate	1338-39-2	350	500	500	500	mg/m3	Added. No pchem data found
2482	Sorbitan, monooleate	1338-43-8	250	500	500	500	mg/m3	Added.
2483	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6	0.75	2.5	15	500	mg/m3	Added. MF and MW unknowı
2484	Sorbitan, monostearate	1338-41-6	400	500	500	500	mg/m3	Added.
2485	Sorbitol, d-; (d-Glucitol)	50-70-4	40	125	500	500	mg/m3	Pchem data vary among sourc
2486	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)3-one,3',6'-dihydroxy-; (Fluorescein)	2321-07-5	0.4	1.25	7.5	250	mg/m3	Added. Density not available assumed to be 1.0.
2487	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	20	60	400	500	mg/m3	Synonym corrected.
2488	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	4	4	5	200	mg/m3	T-3 changed.
2489	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	3	10	15	150	mg/m3	
2490	Starch dust; (Thyodene)	9005-25-8	15	30	50	500	mg/m3	
2491	**Stibine**	**7803-52-3**	0.1	0.1	0.5	1.5	ppm	**ERPG-2, -3.**
2492	Stilbene 3; (Tinopal CBS, Disodium 4,4'-bis(2-sulfostyryl)biphenyl)	27344-41-8	0.25	0.75	6	500	mg/m3	
2493	Stilbene 420	588-59-0	10	30	50	500	mg/m3	
2494	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	500	500	500	500	mg/m3	See LEL formatting note.
2495	Strontium	7440-24-6	10	30	50	250	mg/m3	
2496	Strontium carbonate	1633-05-2	20	20	20	20	mg/m3	HSDB and TSCA MF = C-H2-C Sr, but HSDB MW =147.63 **SAR**
2497	Strontium chloride heptahydrate	10476-85-4	7.5	20	150	500	mg/m3	T-0, T-1, T-2 changed.
2498	Strontium hydroxide	18480-07-4	0.75	0.75	20	75	mg/m3	RTECS has some toxicity data **SAR**
2499	Strontium nitrate	10042-76-9	10	30	50	500	mg/m3	
2500	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	0.04	0.1	0.75	75	mg/m3	**SAR**

Note: 10% LEL <= TEEL < 50% LEL bold green italics; 50% LEL <= TEEL < 100% LEL bold underlined pink italics; TEEL >= LEL bold double underlined red italics. LEL = Lower Explosive Limit.

Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2501	Strontium oxalate	814-95-9	7.5	25	60	75	mg/m3	TSCA MF = C2-H2-O4.Sr N toxicity data found **SAR**
2502	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	10	30	500	500	mg/m3	RTECS MF = H3-O4-P.xSr, M = 448.48, x = 4. HC&P CASRN 7446-28-8, MW = 452.80. **SA**
2503	Strontium sulfate	7759-02-6	10	30	50	250	mg/m3	
2504	Strychnine	57-24-9	0.15	0.3	0.3	3	mg/m3	
2505	Strychnine sulfate (2:1)	60-41-3	1	3	5	30	mg/m3	
2506	**Styrene**	**100-42-5**	50	50	250	***1000***	ppm	**ERPG-1, -2, -3 See LEL formatting note.**
2507	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	4	12.5	50	50	ppm	
2508	Styrene-allyl alcohol copolymer	25119-62-4	10	30	50	250		Added. TSCA listed, no toxici or pchem data found. No MSDS, assumed solid.
2509	Succinic acid	110-15-6	7.5	25	200	500	mg/m3	
2510	Succinic anhydride	108-30-5	0.75	2	15	500	mg/m3	
2511	Sucrose	57-50-1	***15***	***30***	***50***	***500***	mg/m3	???
2512	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6	12.5	40	300	500	mg/m3	Added
2513	Sulfamic acid	5329-14-6	12.5	40	250	500	mg/m3	
2514	Sulfanilamide	63-74-1	1	3	20	500	mg/m3	
2515	Sulfanilic acid	121-57-3	50	150	500	500	mg/m3	Added.
2516	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	10	30	50	250	mg/m3	
2517	Sulfonylbis-ethanol, 2,2-	2580-77-0	1.5	5	35	150	mg/m3	Added. TSCA, H&N listed, pchem data ex MSDS, no toxicity data.
2518	Sulfosalicylic acid	97-05-2	10	30	200	500	mg/m3	
2519	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	7.5	20	150	500	mg/m3	Added. Not found in database MSDS MP and rat LD50.
2520	Sulfotep; (TEDP)	3689-24-5	0.2	0.3	3.5	10	mg/m3	T-2 changed.
2521	Sulfur	7704-34-9	0.125	0.4	2.5	***12.5***	mg/m3	???
2522	**Sulfur dioxide**	**7446-09-5**	0.20	0.20	0.75	27	ppm	**AEGL-1, -2, -3, ERPG-1, 2, -3.** All Ts changed.
2523	Sulfur hexafluoride	2551-62-4	1000	3000	5000	5000	ppm	
2524	Sulfur monochloride	10025-67-9	1	1	1	5	ppm	
2525	Sulfur pentafluoride	5714-22-7	0.01	0.01	0.01	1	ppm	
2526	Sulfur tetrafluoride	7783-60-0	0.1	0.1	2.08	2.08	ppm	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2527	**Sulfur trioxide**	**7446-11-9**	0.6	2	10	30	mg/m3	**ERPG-1, -2, -3**
2528	**Sulfuric acid**	**7664-93-9**	1	2	10	30	mg/m3	**ERPG-1, -2, -3**
2529	Sulfurous acid	7782-99-2	0.0125	0.04	0.3	1.5	mg/m3	Exists only in solution
2530	Sulfuryl chloride	7791-25-5	0.4	1.25	7.5	15	ppm	Added.
2531	Sulfuryl fluoride	2699-79-8	5	10	200	200	ppm	
2532	Talc	14807-96-6	2	2	10	500	mg/m3	
2533	Tall oil (alkyd resin)	68333-62-0	10	30	50	250	mg/m3	
2534	Tantalum	7440-25-7	5	10	25	500	mg/m3	
2535	Tantalum carbide	12070-06-3	5	10	10	10	mg/m3	No toxicity data
2536	Tantalum(V) ethoxide	6074-84-6	10	30	50	250	mg/m3	Added. TSCA, HC&P listed, n toxicity data, assumed nonvolatile..
2537	Tantalum(V) fluoride	7783-71-3	7.5	20	35	100	mg/m3	
2538	Tantalum(V) oxide	1314-61-0	6	12.5	30	500	mg/m3	
2539	Tartaric acid	87-69-4	4	12.5	75	400	mg/m3	
2540	Tartaric acid, monopotassium salt	868-14-4	150	500	500	500	mg/m3	Added.
2541	Tartaric acid, monosodium salt	526-94-3	15	50	400	500	mg/m3	Added. No pchem data found
2542	Technetium(IV) oxide	12036-16-7	10	30	50	250	mg/m3	Radiation dose will dominate
2543	Tellurium	13494-80-9	0.1	0.3	20	25	mg/m3	
2544	Tellurium chloride	10026-07-0	0.2	0.6	10	50	mg/m3	
2545	Tellurium hexafluoride	7783-80-4	0.035	0.1	0.101	1.5	ppm	
2546	Tellurium oxide; (Tellurium dioxide)	7446-07-3	0.125	0.35	0.6	30	mg/m3	
2547	Tellurous acid	10049-23-7	0.125	0.4	0.6	35	mg/m3	
2548	Terbium oxide	12036-41-8	10	30	50	250	mg/m3	No toxicity data, PNOS used, r stable isotopes.
2549	Terbium(III,IV) oxide	12037-01-3	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit or pchem data found. MSDS S MP, HHR =1.
2550	Terbufos	13071-79-9	0.2	0.6	1	1	mg/m3	
2551	Terephthalic acid	100-21-0	10	30	50	500	mg/m3	
2552	Terephthaloyl chloride	100-20-9	0.75	2.5	20	500	mg/m3	
2553	Terphenyl; p-	92-94-4	5	5	9	500	mg/m3	
2554	Terphenyls; (Diphenylbenzene)	26140-60-3	5	5	9	500	mg/m3	
2555	Tert-butyl alcohol; (tert-Butanol)	75-65-0	100	150	1600	1600	ppm	See LEL formatting note.
2556	Tert-butyl benzoic acid, P-	98-73-7	2	6	10	200	mg/m3	Added.
2557	Tert-butylphenol, P-; (Tert-Butylphenol, 4-)	98-54-4	0.5	0.5	0.75	500	mg/m3	Added
2558	Tetraamminepalladium(II) nitrate	13601-08-6	1.5	5	35	150	mg/m3	No toxicity information. LD50 based on HR

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2559	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	1	1.25	5	8	ppm	
2560	Tetrabutyl ammonium phosphate	5574-97-0a	10	30	50	250	mg/m3	Not found in databases.
2561	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	0.75	2.5	20	100	ppm	See LEL formatting note.
2562	Tetrabutylammonium dihydrogen phosphate	5574-97-0b	10	30	50	250	mg/m3	
2563	Tetrabutylammonium hydroxide	2052-49-5	0.06	0.15	1.25	6	mg/m3	
2564	Tetrabutylammonium nitrate	1941-27-1	0.075	0.25	1.5	7.5	mg/m3	
2565	Tetrachlorobenzene, 1,2,3,4-	634-66-2	12.5	35	250	500	mg/m3	
2566	Tetrachlorobenzene, 1,2,4,5-	95-94-3	10	30	50	500	mg/m3	
2567	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	0.0006	0.002	0.002	0.002	mg/m3	
2568	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	0.004	0.0125	0.075	0.4	mg/m3	
2569	Tetrachloroethane (mixed isomers)	25322-20-7	1.5	5	35	400	ppm	See LEL formatting note.
2570	Tetrachloroethane, 1,1,1,2-	630-20-6	3	7.5	60	200	ppm	See LEL formatting note.
2571	Tetrachloroethane, 1,1,2,2-	79-34-5	3	3	5	100	ppm	
2572	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	0.2	0.6	4	20	ppm	
2573	**Tetrachlorosilane; (Silicon chloride)**	**10026-04-7**	0.25	0.75	5	37	ppm	**ERPG-1, -2, -3**
2574	Tetracosafluorotetradecahydro-phenanthrene	306-91-2	10	30	50	250	mg/m3	No toxicity data found
2575	Tetracyanoquinodimethane; (Ultima Gold AB)	1518-16-7	0.4	1.25	10	50	mg/m3	
2576	Tetracycline hydrochloride	64-75-5	0.75	2.5	15	500	mg/m3	
2577	Tetradecafluorohexane; (Perfluoro-n-hexane)	355-42-0	200	600	4000	25000	ppm	Added. Rat LD50 > 5g/kg, rat l lo > 40000 ppm
2578	Tetradecane	629-59-4	0.04	0.125	1	***1250***	ppm	See LEL formatting note.
2579	Tetradecanoic acid; (Myristic acid)	544-63-8	0.35	1	7.5	35	mg/m3	
2580	Tetradecyltrimethylammonium bromide	1119-97-7	15	50	350	500	mg/m3	Added.
2581	Tetraethyl lead	78-00-2	0.1	0.4	0.75	60	mg/m3	See LEL formatting note.
2582	**Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)**	**78-10-4**	25	25	100	300	ppm	**ERPG-1, -2, -3** See LEL formatting note.
2583	Tetraethyl pyrophosphate; (TEPP)	107-49-3	0.05	0.15	1	5	mg/m3	
2584	Tetraethylammonium chloride	56-34-8	0.25	0.75	6	500	mg/m3	Added.
2585	Tetraethylene Glycol	112-60-7	125	350	500	500	mg/m3	
2586	Tetraethylenepentamine	112-57-2	0.75	2.5	15	75	mg/m3	See LEL formatting note.
2587	Tetraethyltin; (Tetraethylstannane)	597-64-8	0.2	0.4	7	50	mg/m3	
2588	**Tetrafluoroethane, 1,1,1,2-; (HFC 134a)**	**811-97-2**	1000	8000	13000	27000	ppm	**Final AEGLs -1,-2,-3.** T-1, 2, T-3 changed.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2589	**Tetrafluoroethylene**	**116-14-3**	2	200	1000	***10000***	ppm	**ERPG-1, -2, -3 reviewed, unchanged.** See LEL formatti note.
2590	Tetrafluoroethylene, polymer	9002-84-0	3.5	10	60	350	mg/m3	Added.
2591	Tetrafluorohydrazine	10036-47-2	0.75	2.25	3.75	100	ppm	
2592	Tetrahydro-2,5-dimethyl furan	1003-38-9	15	50	350	500	mg/m3	Used Tetrahydrodimethylfurai CASRN 1320-94-1
2593	**Tetrahydrofuran**	**109-99-9**	100	100	500	***5000***	ppm	**ERPG-1, -2, -3** See LEL formatting note. All Ts change
2594	Tetrahydropyridine, 1,2,3,6-	694-05-3	2.94	8.83	15	75	ppm	Added. HC&P, H&N listed, n toxicity data
2595	**Tetramethoxysilane; (Methyl silicate)**	**681-84-5**	1	1.5	10	20	ppm	**ERPG-2, -3**
2596	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	0.3	1	6	35	mg/m3	Added.
2597	Tetramethyl ethylene diamine	110-18-9	10	30	125	125	ppm	
2598	Tetramethyl lead	75-74-1	0.1	0.6	4	50	mg/m3	See LEL formatting note.
2599	Tetramethyl-1,3-butanediamine, n,n,n',n'-; (Tetramethyl butanediamine)	97-84-7	2	6	40	200	mg/m3	
2600	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	10	30	50	250	mg/m3	
2601	Tetramethylammonium hydroxide	75-59-2	0.06	0.15	1.25	6	mg/m3	See LEL formatting note.
2602	Tetramethylammonium hydroxide pentahydrate	10424-65-4	0.3	0.75	6	6	mg/m3	Added. Used toxicity data fo Tetramethylammonium hydroxide, 75-59-2
2603	Tetramethylbenzene, 1,2,4,5-	95-93-2	30	100	500	500	mg/m3	Added.
2604	Tetramethylsilane	75-76-3	5	15	25	125	ppm	
2605	**Tetranitromethane**	**509-14-8**	0.52	0.52	0.52	1.7	ppm	**Interim AEGL-1, -2, -3.** A Ts changed.
2606	Tetraoxadodecane, 2,5,8,11-	112-49-2	1	3	20	100	ppm	Added.
2607	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Laurel alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	10	30	50	250	mg/m3	No toxicity data found
2608	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	2.5	7.5	12.5	25	mg/m3	
2609	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	4	15	75	400	mg/m3	EDTA tetrapotassium salt, MV corrected to match MF. No toxicity data **SAR**
2610	Tetrapropylammonium hydroxide	4499-86-9	0.15	0.5	3.5	15	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2611	Tetrapropylorthotitanate	3087-37-4	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data. MSDS not helpful, assumed nonvolatile liquid.
2612	Tetrasodium pyrophosphate	7722-88-5	5	15	25	500	mg/m3	
2613	Thallium	7440-28-0	0.1	0.3	2	15	mg/m3	
2614	Thallium chloride; (Thallium(I) chloride)	7791-12-0	0.4	1.25	2	10	mg/m3	
2615	Thallium hydroxide	12026-06-1	0.1	0.3	0.5	15	mg/m3	
2616	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	0.125	0.4	6	20	mg/m3	
2617	Thallium nitrite	13826-63-6	0.125	0.35	0.6	15	MG/M3	
2618	Thallium oxide	1314-12-1	0.1	0.3	0.5	15	mg/m3	
2619	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	0.1	0.3	2	15	mg/m3	. RTECS & HSDB MW = 1528.67
2620	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	0.125	0.4	0.6	20	mg/m3	
2621	Thallium(I) carbonate (2:1)	6533-73-9	0.4	1.25	2	10	mg/m3	
2622	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	0.0002	0.0006	0.004	0.006	mg/m3	
2623	Thallium(III) oxide	1314-32-5	2	2	2	20	mg/m3	
2624	Thallium(III) perchlorate hexahydrate	15596-83-5	0.3	0.9	1.5	40	mg/m3	Used Thallium soluble compound limits, assumed to b "hexahydrate"
2625	Thallous malonate	2757-18-8	0.125	0.35	2	15	mg/m3	
2626	Thenoyltrifluoroacetone	326-91-0	1.25	3.5	25	125	mg/m3	
2627	Thioacetamide	62-55-5	10	30	50	125	mg/m3	
2628	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	0.25	0.75	1.3	1.3	mg/m3	
2629	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	20	60	100	100	mg/m3	
2630	Thiocyanic acid; (Guanidene thiocyanate salt)	593-84-0	1.25	3.5	25	125	mg/m3	
2631	Thiodiglycol	111-48-8	25	75	500	500	mg/m3	
2632	Thiofanox; (Dacamox)	39196-18-4	8.5	8.5	8.5	30	mg/m3	
2633	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	0.6	2	3.5	3.5	mg/m3	
2634	**Thionyl chloride**	**7719-09-7**	0.2	0.2	2	10	ppm	**ERPG-1, -2, -3**
2635	Thiosemicarbazide	79-19-6	0.075	0.2	1.5	4	mg/m3	
2636	Thiourea	62-56-6	10	10	25	125	mg/m3	
2637	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	5	5	5	100	mg/m3	
2638	Thorium	7440-29-1	0.2	0.6	4	20	mg/m3	Human TC lo found, all Ts change.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2639	Thorium hydroxide	13825-36-0	0.75	0.75	2.5	75	mg/m3	**SAR**
2640	Thorium nitrite	z-0079	0.05	0.125	0.75	75	mg/m3	**SAR**
2641	Thorium oxalate	2040-52-0	40	125	200	500	mg/m3	Added. TSCA listed, MF, MP & Hawley. Ts based on Derivec Response Level (DRL) for Th converted from uCi/cm3 to mg/m3.
2642	Thorium oxide; (Thorium dioxide)	1314-20-1	25	75	500	500	mg/m3	Rat it LD50 > 1140 mg/kg
2643	Thorium perchlorate	16045-17-3	30	75	150	500	mg/m3	Added. Ts based on Derived Response Level (DRL) for Th converted from uCi/cm3 to mg/m3.
2644	Thorium(IV) nitrate	13823-29-5	0.75	2	15	25	mg/m3	
2645	Thulium chloride heptahydrate (as TmCl3)	13537-18-3	15	50	350	500	mg/m3	
2646	Thulium oxide	12036-44-1	10	35	50	250	mg/m3	No toxicity data found, PNOS used, no stable isotopes.
2647	Thymol blue; (6,6(3H-2,1-benzoxathiol-3-ylidene)dithymol,S,S-dioxide)	76-61-9	10	30	50	250	mg/m3	
2648	Thyodene; (Amylodextrin)	9005-84-9	10	30	50	250	mg/m3	
2649	Tin	7440-31-5	2	6	100	100	mg/m3	
2650	Tin hydroxide	12026-24-3	2.5	7.5	12.5	125	mg/m3	
2651	Tin nitrate	41480-79-9	4	12.5	20	200	mg/m3	
2652	Tin nitrite	z-0080	3.5	10	15	150	mg/m3	
2653	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	3.5	10	15	150	mg/m3	
2654	Tin(II) oxide	1332-29-2	2.5	7.5	12.5	125	mg/m3	
2655	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	3.5	10	15	500	mg/m3	
2656	Tin(IV) isopropoxide	1184-61-8	0.1	0.2	0.5	25	mg/m3	Added. Not found in database
2657	Tin(IV) oxide; (Stannic oxide)	18282-10-5	2.5	7.5	12.5	125	mg/m3	Rat oral LD50 > 20 g/kg
2658	Titanium	7440-32-6	10	30	50	250	mg/m3	
2659	Titanium aluminide	39410-63-4	10	30	50	250	mg/m3	TSCA lists CASRN = 12004-78
2660	Titanium boride	12045-63-5	10	30	50	250	mg/m3	No toxicity data found
2661	Titanium carbide	12070-08-5	12.5	35	60	300	mg/m3	No toxicity data found
2662	Titanium chloride	7705-07-9	0.5	1.5	10	50	mg/m3	
2663	Titanium hydride	7704-98-5	1.5	5	35	150	mg/m3	
2664	Titanium oxide; (Titanium dioxide)	13463-67-7	15	15	15	500	mg/m3	
2665	**Titanium tetrachloride**	**7550-45-0**	0.2	0.65	2.6	13	ppm	**ERPG-1, -2, -3 changed from mg/m3 to ppm**

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2666	Titanium(II) oxide	12137-20-1	10	30	50	250	mg/m3	
2667	Titanium(III) fluoride	7783-63-3	4	4	4	4	mg/m3	
2668	Titanium-based alloy; (Titanium compounds)	z-0081	10	30	50	250	mg/m3	
2669	**Toluene**	**108-88-3**	200	200	510	***2900***	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts change. See LEL formatting note.
2670	Toluene-1,3-diisocyanate	26471-62-5	0.25	0.75	1.5	1.5	ppm	See LEL formatting note.
2671	**Toluene-2,4-diisocyanate; (TDI)**	**584-84-9**	0.005	0.02	0.083	0.51	ppm	**ERPG-1, -2, -3, final AEGLs** T-1, T-2, T-3 changed. See LEL formatting note.
2672	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	1.5	4	30	150	mg/m3	Synonym corrected. LD50 estimated
2673	**Toluene-2,6-diisocyanate**	**91-08-7**	0.005	0.02	0.083	0.51	ppm	**ERPG-1, -2, -3, final AEGLs.** T-1, T-2, T-3 changed.
2674	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	4	12.5	75	125	mg/m3	
2675	Toluenesulfonamide, P-; (Pasam)	70-55-3	1	3	20	100	mg/m3	Added. ChemFinder MF, MW but irritation not used.
2676	Toluenesulfonic acid, methyl ester, P-	80-48-8	0.75	2.5	15	150	mg/m3	Added.
2677	Toluenesulfonyl chloride, p-	98-59-9	15	50	350	500	mg/m3	No toxicity data found, LD50 estimated
2678	Toluenesulphonic acid monohydrate, para; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	10	30	200	500	mg/m3	SAX CASRN = 104-15-4, MW 172.21 without "hydrate"'
2679	Toluenethiol, m-	108-40-7	0.2	0.6	4	20	mg/m3	
2680	Toluidene, o-	95-53-4	5	6	10	50	ppm	See LEL formatting note.
2681	Toluidine, m-	108-44-1	2	2	7.5	40	ppm	See LEL formatting note.
2682	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	2	6	10	300	mg/m3	See LEL formatting note.
2683	Toxaphene; (Chlorinated camphene)	8001-35-2	0.5	1	20	200	mg/m3	See LEL formatting note.
2684	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	0.04	0.125	0.861	7.5	ppm	See LEL formatting note.
2685	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6	5	15	100	500	mg/m3	Severe irritant rb sk. T-0, T-1, 2 changed.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2686	Tri(2-ethylhexyl) phosphate; (Tris(2-ethylhexyl)phosphate)	78-42-2	12.5	12.5	12.5	12.5	mg/m3	
2687	Triacetin; (Triacetyl glycerin)	102-76-1	12.5	35	250	500	mg/m3	See LEL formatting note.
2688	Triamiphos	1031-47-6	2	6	10	10	mg/m3	
2689	Triaryl sulfonium chloride salts	109037-76-5	10	10	25	125	mg/m3	Name corrected.
2690	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	3	10	60	350	mg/m3	
2691	Triazofos; (Triazophos)	24017-47-8	0.5	1.5	2.8	125	mg/m3	
2692	Tribenzylamine	620-40-6	10	30	50	250	mg/m3	Added. Not found in database ChemFinder MF, MW, pchem data.
2693	Tributyl citrate	77-94-1	1	3	20	75	ppm	Added.
2694	Tributyl phosphate	126-73-8	0.459	0.6	1	30	ppm	
2695	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6	0.75	2	15	75	mg/m3	
2696	Tributyl-1-butanaminium iodide, N,n,n-; (Tetrabutylammonium iodide)	311-28-4	7.5	25	150	500	mg/m3	Added.
2697	Tributyltetradecylphosphonium chloride	81741-28-8	10	30	50	250	mg/m3	PNOS used.
2698	Trichloramine; (Nitrogen chloride)	10025-85-1	0.125	0.35	2.5	25	ppm	
2699	Trichloro(dichlorophenyl) silane	27137-85-5	0.03	0.1	0.698	0.698	ppm	
2700	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	250	500	500	500	mg/m3	
2701	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	10	30	50	50	mg/m3	
2702	Trichloroacetaldehyde; (Chloral)	75-87-6	2.5	7.5	50	250	mg/m3	
2703	Trichloroacetic acid	76-03-9	1	1	2	25	ppm	
2704	Trichloroacetyl chloride	76-02-8	0.03	0.075	0.606	6	ppm	
2705	Trichlorobenzene, 1,2,3-	87-61-6	6	15	125	500	mg/m3	
2706	Trichlorobenzene, 1,2,4-	120-82-1	5	5	5	40	ppm	See LEL formatting note.
2707	**Trichloroethane, 1,1,1-; (Methyl chloroform)**	**71-55-6**	230	230	600	4200	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts changed. See LEL formatting note.
2708	Trichloroethane, 1,1,2-	79-00-5	10	10	15	100	ppm	See LEL formatting note. T-2 changed.
2709	**Trichloroethylene**	**79-01-6**	100	130	450	3800	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** Ts -1,-2,-3 changed. See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2710	Trichloroethylsilane; (Ethyl trichlorosilane)	115-21-9	0.02	0.06	0.449	6	ppm	
2711	Trichlorofluoromethane; (Fluorotrichloromethane, Freon 11)	75-69-4	500	500	1500	2000	ppm	
2712	Trichloronaphthalene	1321-65-9	5	15	25	125	mg/m3	
2713	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	2	6	10	300	mg/m3	
2714	Trichlorophenol, 2,3,6-	933-75-5	1.25	4	25	125	mg/m3	
2715	Trichlorophenol, 2,4,5-	95-95-4	10	30	50	350	mg/m3	
2716	Trichlorophenol, 2,4,6-	88-06-2	10	30	350	350	mg/m3	
2717	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (2,4,5-Silvex)	93-72-1	10	30	50	250	mg/m3	
2718	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	10	30	50	250	mg/m3	
2719	Trichlorophenylsilane	98-13-5	0.15	0.4	3.3	40	mg/m3	
2720	Trichloropropane, 1,2,3-	96-18-4	10	10	10	100	ppm	PEL-TWA not used. See LEL formatting note.
2721	**Trichlorosilane**	**10025-78-2**	0.35	1	3	25	ppm	**ERPG-1, -2, -3** See LEL formatting note.
2722	Trichlorotrifluorethane; (Freon 113; CFC113)	76-13-1	1000	1250	1500	2000	ppm	
2723	Tridecane	629-50-5	10	30	200	500	mg/m3	
2724	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	5	5	20	500	mg/m3	
2725	Triethoxysilane	998-30-1	0.05	0.15	0.75	15	ppm	
2726	Triethoxysilyl)-1-propanamine, 2-(; (3-Aminopropyltriethoxysilane)	919-30-2	6	15	125	500	mg/m3	Added. HC&P has BP = 119
2727	Triethyl phosphate	78-40-0	20	60	400	500	mg/m3	See LEL formatting note.
2728	Triethyl phosphite	122-52-1	2	6	40	200	ppm	See LEL formatting note.
2729	Triethyl-, hydroxide, Ethanaminium, n,n,n-; (Tetraethyl ammonium hydroxide)	77-98-5	0.35	1	7.5	35	mg/m3	Added
2730	Triethylaluminum	97-93-8	7.5	7.5	37.5	250	mg/m3	
2731	Triethylamine	121-44-8	1	3	3	200	ppm	PEL-TWA not used. See LEL formatting note.
2732	Triethylbenzene (mixed isomers)	25340-18-5	6	15	125	600	ppm	See LEL formatting note.
2733	Triethylene glycol	112-27-6	300	500	500	500	mg/m3	See LEL formatting note.
2734	Triethylene glycol monomethyl ether	112-35-6	40	125	500	500	mg/m3	
2735	Triethylenetetramine	112-24-3	15	50	350	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2736	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4- boron difluoride	22502-27-8	0.75	2.5	15	75	mg/m3	
2737	Trifluoroacetic acid anhydride	407-25-0	4	12.5	20	400	mg/m3	Added.
2738	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	10	15	15	15	ppm	
2739	Trifluoroacetyl chloride	354-32-5	1	3	5	250	ppm	
2740	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol D3)	75-89-8	4	12.5	60	60	ppm	Used RTECS rat LC50
2741	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	0.75	2.5	4.4	150	mg/m3	
2742	Trifluralin; (2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine	1582-09-8	0.025	0.075	0.6	300	mg/m3	
2743	Triisobutylaluminum	100-99-2	15	45	75	500	mg/m3	
2744	Trimethoxy(3,3,3-fluoropropyl) silane	429-60-7	10	30	50	500	mg/m3	Added. TSCA listed, no toxicit or pchem data found.
2745	Trimethoxyboroxine	102-24-9	20	60	400	500	mg/m3	
2746	**Trimethoxysilane**	**2487-90-3**	0.05	0.5	2	5	ppm	**ERPG-1, -2, -3**
2747	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	10	30	50	250	mg/m3	Added. TSCA, H&N listed, nc toxicity data. Assumed nonvolatile.
2748	Trimethoxysilyl-1-Propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	3	7.5	60	300	mg/m3	Added. Rat LD50 = 730uL/k(
2749	Trimethyl borate	121-43-7	6	15	125	600	ppm	Added.
2750	Trimethyl phosphate; (TMP)	512-56-1	5	15	60	60	ppm	
2751	Trimethyl phosphite	121-45-9	2	6	10	750	ppm	See LEL formatting note.
2752	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4	25	75	500	500	mg/m3	See LEL formatting note.
2753	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	10	30	50	250	mg/m3	
2754	Trimethyl-2-hexene, 4,4,5-	55702-61-9	10	30	50	250	mg/m3	
2755	Trimethyl-2-oxepanone; (Trimethyl-E-lactone)	64047-30-9	30	75	500	500	mg/m3	No pchem data found, switche to SAX name
2756	Trimethylacetyl chloride; (Pivaloyl chloride)	3282-30-2	0.1	0.3	2	10	ppm	Added. No toxicity data found
2757	**Trimethylamine**	**75-50-3**	5	15	100	500	ppm	**ERPG-2, -3; ignored ERPG-** See LEL formatting note.
2758	Trimethylammonium chloride	75-57-0	0.2	0.6	4	20	mg/m3	
2759	Trimethylaniline, 2,4,6-	88-05-1	0.125	0.4	2.9	40	mg/m3	
2760	Trimethylbenzene, 1,2,3-	526-73-8	25	75	125	750	ppm	See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2761	Trimethylbenzene, 1,2,4-; (Pseudocumene)	95-63-6	25	36.6	36.6	***1500***	ppm	See LEL formatting note.
2762	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (Alpha-Pinene)	80-56-8	0.00015	0.0005	0.0035	0.015	mg/m3	Name added
2763	**Trimethylchlorosilane**	**75-77-4**	0.6	1.8	32	130	ppm	**ERPG-1, -2, -3, interim AEGL-1, -2, -3** All Ts changed. See LEL formattin note.
2764	Trimethyldecane, 2,2,8-	62238-01-1	46.5	46.5	239	***1250***	ppm	NIOSH limits for Alkanes usec See LEL formatting note.
2765	Trimethyldecane, 2,5,6-	62108-23-0	46.5	46.5	239	***1250***	ppm	NIOSH limits for Alkanes usec See LEL formatting note.
2766	Trimethyldecane, 3,3,4-	62338-09-4	46.5	46.5	239	239	ppm	NIOSH limits for Alkanes usec See LEL formatting note.
2767	Trimethylene oxide; (Oxetane)	503-30-0	0.1	0.3	2	75	mg/m3	Added. SAX BP = 480C differ from other sources.
2768	Trimethylhexane, 2,2,5-	3522-94-9	66.8	66.8	343	***1500***	ppm	NIOSH limits for Alkanes usec See LEL formatting note.
2769	Trimethyloctane, 2,2,6-	62016-28-8	54.8	54.8	282	***1250***	ppm	NIOSH limits for Alkanes usec See LEL formatting note.
2770	Trimethyloctane, 2,3,6-	98060-52-7	54.8	54.8	282	***1000***	ppm	NIOSH limits for Alkanes usec See LEL formatting note.
2771	Trimethyloctane, 2,3,7-	62016-34-6	54.8	54.8	282	***1250***	ppm	NIOSH limits for Alkanes usec See LEL formatting note.
2772	Trimethyloctane, 2,4,6-	62016-37-9	54.8	54.8	282	***1250***	ppm	NIOSH limits for Alkanes usec See LEL formatting note.
2773	Trimethyloctane, 2,6,6-	54166-32-4	54.8	54.8	282	***1250***	ppm	NIOSH limits for Alkanes usec See LEL formatting note.
2774	Trimethylolpropane ethoxylate	50586-59-9	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data. No useful data in MSDS assumed nonvolatile.
2775	Trimethylolpropane phosphite	824-11-3	0.125	0.35	2.5	6	mg/m3	
2776	Trimethylpentane, 2,2,4-; (Isooctane)	540-84-1	300	300	300	600	ppm	TLV-TWA for Octane. See LE formatting note. All Ts change
2777	Trimethylpyridine, 2,4,6-	108-75-8	1.5	5	35	150	ppm	
2778	Trimethylsilanol	1066-40-6	0.05	0.5	2	5	ppm	**SAR**
2779	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	0.15	0.35	20	40	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2780	Trimethyltriheptylamine, 6,6',6''-; (Triisooctylamine)	2757-28-0	10	15	50	500	mg/m3	
2781	Trinitrobenzene 1,3,5-	99-35-4	10	30	50	125	mg/m3	
2782	Trinitrochlorobenzene, 2,4,6-; (Picryl chloride)	28260-61-9	10	30	50	250	mg/m3	
2783	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	1.5	4.5	7.5	500	mg/m3	
2784	Trinitrotoluene, 2,4,6-	118-96-7	1.5	1.5	1.5	500	mg/m3	
2785	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	10	30	50	250	mg/m3	
2786	Trioctylamine; (n,n-Dioctyl-1-octanamine)	1116-76-3	4	12.5	75	400	mg/m3	
2787	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	0.1	0.3	0.5	40	ppm	
2788	Tripentaerythritol; (Tripenek)	78-24-0	10	30	50	250	mg/m3	No toxicity data found
2789	Triphenyl phosphate	115-86-6	3	9	150	500	mg/m3	
2790	Triphenyl phosphite	101-02-0	7.5	25	150	200	mg/m3	
2791	Triphenylethoxysilane	1516-80-9	10	30	50	250	mg/m3	Added. TSCA, HC&P listed, n toxicity data
2792	Triphenylolmethane triglycidyl ether	66072-38-6	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data, no MSDS, assumed soli or nonvolatile liquid.
2793	Triphenylphosphine	603-35-0	1.5	5	40	500	mg/m3	
2794	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	0.3	0.6	20	75	mg/m3	
2795	Tripotassium (2-hydroxyethyl)-ethylenediaminetriacetate; (HEDTA)	62029-50-9	0.35	1	7.5	40	ppm	SAX lists HEDTA as synonym f "N-hydroxyethylenediaminetriacet acid", CASRN=150-39-0. **SAI**
2796	Tripotassium arsenate	13464-36-3	0.035	0.1	0.15	15	mg/m3	
2797	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol)	20324-33-8	0.004	0.0125	0.1	150	ppm	T-0, T-1, T-2 changed.
2798	Tripropylene glycol; (((1-methyl-1,2-ethanediyl)bis(oxy))bis-propanol)	1638-16-0	1.5	5	35	150	ppm	SAX, RTECS, HSDB CASRN 24800-44-0, TSCA lists both CASRNs. MF questionable
2799	Tris((hydroxymethyl)methylamino)propane-1-sulphonic acid, 3-	29915-38-6	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit data. ChemFinder MW, MP
2800	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	7.5	20	150	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes fror TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2801	Tris(2-chloroethyl)amine	555-77-1	4	10	10	10	mg/m3	Unable to confirm previous synonym "Nitrogen mustard 3
2802	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	5	15	100	500	mg/m3	
2803	Tris(hydroxymethyl) aminomethane hydrochloride	1185-53-1	10	30	50	250	mg/m3	No toxicity data found
2804	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	25	75	500	500	mg/m3	
2805	Trisodium arsenate	13464-38-5	0.025	0.075	0.125	12.5	mg/m3	MW and MF vary in sources
2806	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3	0.04	0.125	0.2	20	mg/m3	
2807	Trisodium citrate	68-04-2	0.6	1.5	12.5	60	ppm	TSCA has different MF
2808	Trisodium-n-hydroxyethylethylenediaminetriacetate; (Trisodium-N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	4	12.5	75	400	mg/m3	Name corrected. HSDB, HC& MW = 344.2, but RTECS, H&I MW =347.27 SAR
2809	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	15	40	300	500	mg/m3	
2810	Trododecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	10	30	50	250	MG/M3	No toxicity data found
2811	Trypan blue	72-57-1	10	30	50	500	mg/m3	
2812	Tungsten	7440-33-7	5	10	10	500	mg/m3	
2813	Tungsten boride	12007-09-9	5	10	25	125	mg/m3	Added. TSCA, HC&P listed, n toxicity data.
2814	Tungsten carbide	12070-12-1	5	10	10	10	mg/m3	No toxicity data found
2815	Tungsten hexafluoride	7783-82-6	1.5	5	7.5	400	mg/m3	
2816	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	6	12.5	30	400	mg/m3	
2817	Tungsten(IV) oxide	12036-22-5	6	10	10	10	mg/m3	
2818	Tungstic acid	7783-03-1	6	12.5	12.5	12.5	mg/m3	No toxicity data. Insoluble W compound
2819	Turpentine	8006-64-2	100	100	100	***800***	ppm	See LEL formatting note.
2820	Undecane	1120-21-4	0.35	1	6	35	ppm	
2821	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	0.2	0.6	4	300	ppm	See LEL formatting note.
2822	Uranine; (Fluorescein sodium)	518-47-8	12.5	40	250	500	mg/m3	
2823	Uranium	7440-61-1	0.05	0.6	1	10	mg/m3	
2824	**Uranium hexafluoride; (Uranium fluoride)**	**7783-81-5**	0.075	3.6	9.6	36	mg/m3	**ERPG-1, -2, -3, final AEGL-1, -2, -3.** T-1, T-2, T changed.
2825	Uranium hydride; (Uranium(III) hydride)	13598-56-6	0.05	0.6	1	10	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2826	**Uranium oxide; (Triuranium octaoxide)**	**1344-59-8**	0.06	0.6	10	50	mg/m3	**ERPG-2, -3**
2827	Uranium telluride	12138-37-3a	0.075	1	1.75	15	mg/m3	MF = U.Te2
2828	Uranium telluride-2	12138-37-3b	0.1	1.25	2	20	mg/m3	Insoluble U compound.
2829	**Uranium(IV) oxide; (Uranium black oxide)**	**1344-57-6**	0.05	0.6	10	30	mg/m3	**ERPG-2, -3.** T-2, T-3 change
2830	Uranium: insoluble compounds	z-0083	0.05	0.6	1	10	mg/m3	Insoluble U compound
2831	Uranium: soluble compounds	z-0084	0.05	0.6	1	10	mg/m3	
2832	Uranyl acetate; (Uranium oxyacetate)	541-09-3	0.075	1	1.75	15	mg/m3	
2833	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	0.06	0.75	1.25	12.5	mg/m3	
2834	Uranyl hydroxide	13470-18-3a	0.06	0.75	1.25	12.5	mg/m3	
2835	Uranyl hydroxide (liquids)	13470-18-3b	0.06	0.75	1.25	12.5	mg/m3	
2836	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	0.075	1	1.5	15	mg/m3	
2837	Uranyl nitrate hexahydrate	13520-83-7	0.1	1.25	1.25	20	mg/m3	
2838	Uranyl nitrate; (yellow salt)	36478-76-9	0.075	1	1	15	mg/m3	
2839	Uranyl nitrite (liquids)	z-0087	0.075	0.75	1.5	15	mg/m3	
2840	Urea	57-13-6	0.6	2	15	500	mg/m3	See LEL formatting note.
2841	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	500	500	500	500	mg/m3	
2842	Valeric acid	109-52-4	30	75	500	500	mg/m3	Added.
2843	Valinomycin	2001-95-8	0.5	1.5	2.5	2.5	mg/m3	
2844	Vanadium	7440-62-2	0.05	0.15	0.5	35	mg/m3	All Ts changed.
2845	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	0.05	0.5	0.5	35	mg/m3	
2846	Vanadium sulfate	16785-81-2	0.5	1.5	10	50	mg/m3	
2847	Vanadium tetrachloride	7632-51-1	0.6	2	12.5	60	mg/m3	
2848	Vanadium trioxide	1314-34-7	0.04	0.125	20	50	mg/m3	Added.
2849	Vanadium(II) sulfate heptahydrate	36907-42-3	0.05	0.05	0.05	0.25	mg/m3	All Ts changed.
2850	Vanadium(III) sulfate	13701-70-7	0.1	0.1	0.1	0.5	mg/m3	
2851	Vanadium, trichlorooxo	7727-18-6	0.075	0.25	1.5	7.5	ppm	Added.
2852	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	0.06	0.18	0.3	200	mg/m3	
2853	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	0.05	0.5	0.5	35	mg/m3	All Ts changed.
2854	Vanilin	121-33-5	5	15	125	500	mg/m3	Added.
2855	Vegetable oil	68956-68-3	15	30	50	500	mg/m3	
2856	Veratraldehyde	120-14-9	7.5	25	150	500	mg/m3	Added.
2857	Vermiculite, exfoliated	1318-00-9	10	30	50	250	mg/m3	No toxicity data found
2858	**Vinyl acetate**	**108-05-4**	5	5	75	500	ppm	**ERPG-1, -2, -3** See LEL formatting note.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2859	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	35	100	500	500	mg/m3	
2860	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0	10	30	50	250	mg/m3	
2861	Vinyl bromide	593-60-2	5	15	25	50	ppm	See LEL formatting note.
2862	**Vinyl chloride**	**75-01-4**	1	50	***5000***	***20000***	ppm	**ERPG-1, -2, -3** See LEL formatting note.
2863	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	15	50	350	***1500***	ppm	See LEL formatting note.
2864	Vinyl fluoride	75-02-5	1	3	500	***150000***	ppm	See LEL formatting note. T-3 changed.
2865	Vinyl-2-prrrolidinoe, 1-	88-12-0	0.05	0.15	0.25	75	ppm	Added.
2866	Vinylidene chloride; (1,1-dichloroethylene)	75-35-4	5	20	20	600	ppm	See LEL formatting note.
2867	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	500	500	500	***12500***	ppm	See LEL formatting note.
2868	Warfarin	81-81-2	0.1	0.3	20	20	mg/m3	
2869	Warfarin sodium	129-06-6	1.5	5	9	9	mg/m3	
2870	Xenon	7440-63-3	60000	145000	280000	500000	ppm	Simple asphyxiant (see Introduction)
2871	Xylene, m-	108-38-3	100	150	200	900	ppm	See LEL formatting note.
2872	Xylene, o-	95-47-6	100	150	200	***900***	ppm	See LEL formatting note.
2873	Xylene, p-	106-42-3	100	150	200	900	ppm	See LEL formatting note.
2874	**Xylenes**	**1330-20-7**	100	130	920	***2500***	ppm	**Interim AEGL-1, -2, -3** T-T-2, T-3 changed.See LEL formatting note.
2875	Xylenol orange tetrasodium salt	3618-43-7	10	30	50	250	mg/m3	
2876	Xylidine	1300-73-8	1.5	1.5	2.5	50	ppm	See LEL formatting note.
2877	Xylidine, 2,6-	87-62-7	6	20	125	350	mg/m3	See LEL formatting note.
2878	Xylidine, o-; (2,3-Xylidine)	87-59-2	0.5	10	10	50	ppm	
2879	Xylylene dichloride	28347-13-9	0.4	1.25	2	75	mg/m3	
2880	Yeast extract	8013-01-2	15	50	400	500	mg/m3	
2881	Ytterbium fluoride	13760-80-0	10	10	10	10	mg/m3	
2882	Ytterbium oxide	1314-37-0	10	30	50	250	mg/m3	
2883	Yttrium	7440-65-5	1	3	5	25	mg/m3	
2884	Yttrium chloride, hexahydrate	10025-94-2	3.5	10	15	500	mg/m3	Added. TSCA listed, no toxicit or pchem data found.
2885	Yttrium oxide	11130-29-3	1	3	5	500	mg/m3	Rat oral LD50 > 5 g/kg
2886	Yttrium trioxide	1314-36-9	1.25	4	6	500	mg/m3	
2887	Zeolites, -NaA-; (Molecular sieve-4A-)	68989-22-0	6	15	125	500	mg/m3	

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2888	Zinc	7440-66-6	10	30	50	250	mg/m3	
2889	Zinc acetate	557-34-6	0.3	0.75	6	500	mg/m3	
2890	Zinc acetate dihydrate	5970-45-6	25	75	350	350	mg/m3	
2891	Zinc bromide	7699-45-8	10	30	50	200	mg/m3	
2892	Zinc carbonate	3486-35-9	5	15	100	500	mg/m3	
2893	Zinc carbonate hydroxide	5263-02-5	10	30	50	250	mg/m3	Added. Not found in database
2894	Zinc chloride	7646-85-7	2	4	10	40	mg/m3	
2895	Zinc cyanide	557-21-1	20	20	20	100	mg/m3	
2896	Zinc fluoride	7783-49-5	6	6	20	100	mg/m3	
2897	Zinc hydroxide	20427-58-1	0.6	0.6	1.5	60	mg/m3	**SAR**
2898	Zinc nitrate	7779-88-6	10	10	10	10	mg/m3	
2899	Zinc nitrate hexahydrate	10196-18-6	5	15	100	500	mg/m3	
2900	Zinc nitrite	10102-02-0	0.035	0.075	0.6	60	mg/m3	**SAR**
2901	Zinc oxide	1314-13-2	15	15	15	500	mg/m3	
2902	Zinc perchlorate	13637-61-1	10	30	50	250	mg/m3	Added. TSCA listed, no toxicit or pchem data found.
2903	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	0.6	2	12.5	500	mg/m3	
2904	Zinc phosphate (3:2)	7779-90-0	2	6	50	250	mg/m3	SAX, RTECS, TSCA all have H in MF, but this would give MW 392.13
2905	Zinc phosphide	1314-84-7	0.6	1.5	12	60	mg/m3	
2906	Zinc stearate	557-05-1	15	30	50	150	mg/m3	
2907	Zinc sulfate	7733-02-0	0.15	0.5	3.5	500	mg/m3	
2908	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	0.1	0.3	2	200	mg/m3	
2909	Zirconium and compounds (as Zr)	7440-67-7	5	10	10	25	mg/m3	T-3 changed.
2910	Zirconium boride	12045-64-6	6	12.5	30	30	mg/m3	T-3 changed.
2911	Zirconium carbide	12070-14-3	6	12.5	12.5	30	mg/m3	No toxicity data found. T-3 changed.
2912	Zirconium chloride	10026-11-6	12.5	25	25	60	mg/m3	T-3 changed.
2913	Zirconium chloride oxide octahydrate	13520-92-8	15	35	35	75	mg/m3	T-3 changed.
2914	Zirconium fluoride	7783-64-4	7.5	15	15	40	mg/m3	T-3 changed.
2915	Zirconium hydride	7704-99-6	5	10	25	25	mg/m3	T-3 changed.
2916	Zirconium hydroxide	14475-63-9	7.5	15	15	40	mg/m3	T-3 changed.
2917	Zirconium nitrate	13746-89-9	15	35	35	75	mg/m3	T-3 changed.
2918	Zirconium nitride	25658-42-8	6	10	10	30	mg/m3	TSCA, HC&P listed, no toxicit data. T-2, T-3 changed.
2919	Zirconium nitrite	z-0088	7.5	15	15	35	mg/m3	T-3 changed.
2920	Zirconium oxide	1314-23-4	6	12.5	12.5	35	mg/m3	T-3 changed.
2921	Zirconium oxynitrate hydrate	14985-18-3	12.5	25	25	60	mg/m3	T-3 changed.

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Table 2: AEGLs, ERPGs, or Rev 21 TEELs (original units)

No.	Chemical Name (**AEGL** and **ERPG** chemicals **bold**)	CASRN	AEGLs, ERPGs, or Rev 21 TEELs.					Comments (and changes from TEELs Rev 20)
			TEEL-0	TEEL-1	TEEL-2	TEEL-3	UNITS	
2922	Zirconium phosphide	12037-80-8	7.5	15	15	40	mg/m3	HC&P listed. TSCA CASRN = 12037-72-8, MW, MF differ. T- changed.
2923	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	35	150	150	350	mg/m3	T-3 changed.
2924	Zirconium silane	z-0089	7.5	15	15	40	mg/m3	T-3 changed.
2925	Zirconium silicate; (Zirconium silicon oxide)	10101-52-7	10	20	50	50	mg/m3	HC&P has "zirconium orthosilicate", MW = 183.308 MF = Zr SiO4. T-3 changed.
2926	Zirconium sulfate tetrahydrate	14644-61-2	20	40	40	100	mg/m3	T-3 changed.
2927	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	10	20	50	100	mg/m3	Added.
2928	Zirconyl nitrate; (Bis(nitrato-o)oxozirconium)	13826-66-9	12.5	25	25	60	mg/m3	T-3 changed.
2929	zzAcrylic latex	z-0090	10	30	50	250	mg/m3	
2930	zzAlumination 301	z-0091	10	30	50	250	mg/m3	
2931	zzHydranal coulomat / AG	z-0092	10	30	50	250	mg/m3	
2932	zzHydrocarbon polymer	z-0093	10	30	50	250	mg/m3	
2933	zzHydrocount(R), LSC cocktail	z-0094	10	30	50	250	mg/m3	
2934	zzIconol(R)	z-0095	10	30	50	250	mg/m3	CASRN used for 7 SAX entries mainly polyethylene glycol compounds
2935	zzMachine coolant 1	z-0096	10	30	50	250	mg/m3	
2936	zzMonophase- S	z-0097	10	30	50	250	mg/m3	
2937	zzMornar	z-0098	10	30	50	250	mg/m3	
2938	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphophate)	z-0099	7.5	25	37.5	250	mg/m3	Mixture ex MSDS used
2939	zzPaint solvent	z-0100	10	10	10	10	mg/m3	
2940	zzPropanol (-2) aluminum derivative	z-0101	2	6	10	50	mg/m3	
2941	zzScintillation cocktail, Ultima Gold XR	z-0102	0.15	0.5	3	15	mg/m3	Used MSDS mixture components
2942	zzSicapent	z-0103	10	30	50	250	mg/m3	
2943	zzSynthetic resins	z-0104	10	30	50	250	mg/m3	
2944	zzTotal sequestrant reagent #5	z-0105	35	40	100	500	mg/m3	Used MSDS mixture components
2945	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106	0.04	0.125	0.75	7.5	mg/m3	Toxicity data for "Norepinephrine", CASRN = 5 41-2, used. All Ts changed.
2946	zzWaste oil	z-0107	10	30	50	250	mg/m3	All Ts changed.

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