

Annexe C/1 au Doc. NS0060B2
Annex to

(SCS/17/janv. 2002)
(SSC/17/Jan. 2002)

ANNEXE C/1

CLASSEMENT DE CERTAINS PRODUITS PORTANT UNE DCI ET
DES PRODUITS PHARMACEUTIQUES INTERMEDIAIRES

(Voir l'annexe A/1 ci-dessus)

ANNEX C/1

CLASSIFICATION OF CERTAIN INN PRODUCTS AND
PHARMACEUTICAL INTERMEDIATES

(See Annex A/1 above)

DCI	Code SH proposé	Observation du SCS
Alemcinal (Liste 82)	2932.29	
Evernimicine (Liste 82)	2941.90	
Métréleptin (Liste 82)	2937.19	
Onercept (Liste 82)	2934.99	
Pegvisomant (Liste 82)	2937.19	
Doripenem (Liste 83)	2941.90	
Fondaparinux sodium (Liste 83), remplace le Fondaparinux sodium (Liste 79)	2932.99	
Leridistim (Liste 80)	2934.99	
Pegacaristim (Liste 80)	[3504.00] [3907.20]	Un examen complémentaire est nécessaire afin de déterminer s'il s'agit d'un dérivé de protéine du n° 35.04 ou d'un polyéther du n° 39.07.
Pegnartograstim (Liste 80)	[3504.00] [3907.20]	Un examen complémentaire est nécessaire afin de déterminer s'il s'agit d'un dérivé de protéine du n° 35.04 ou d'un polyéther du n° 39.07.

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INN	Proposed HS code	Observations of the SSC
Alemcinal (List 82)	2932.29	
Evernimicin (List 82)	2941.90	
Metreleptin (List 82)	2937.19	
Onercept (List 82)	2934.99	
Pegvisomant (List 82)	2937.19	
Doripenem (List 83)	2941.90	
Fondaparinux sodium (List 83), replaces Fondaparinux sodium (List 79)	2932.99	
Leridistim (List 80)	2934.99	
Pegacaristim (List 80)	[3504.00] [3907.20]	To be studied further as to whether it is a protein derivative of heading 35.04 or a polyether of heading 39.07.
Pegnartograstim (List 80)	[3504.00] [3907.20]	To be studied further as to whether it is a protein derivative of heading 35.04 or a polyether of heading 39.07.

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ANNEXE C/2

REMANIEMENTS A APPORTER EVENTUELLEMENT A LA NOMENCLATURE
ET AUX NOTES EXPLICATIVES EN VUE DE PRECISER LE CLASSEMENT
DES COMPOSES DE COORDINATION

(Voir l'annexe A/3 ci-dessus)

ANNEX C/2

POSSIBLE AMENDMENTS TO THE HS AND THE EXPLANATORY NOTES TO CLARIFY
THE CLASSIFICATION OF CO-ORDINATION COMPOUNDS

(See Annex A/3 above)

PROCEDURE DE L'ARTICLE 16

A. AMENDEMENT DE LA NOMENCLATURE

CHAPITRE 29.

Nouvelle Note 5 c) 3°).

Insérer la nouvelle Note 5 c) 3°) ci-après :

"3°) Les composés de coordination, autres que les produits relevant du Sous-Chapitre XI ou du n° 29.41, sont à classer dans la position du Chapitre 29 placée la dernière par ordre de numérotation parmi celles correspondant aux fragments formés par clivage de toutes les liaisons métalliques, à l'exception des liaisons métal-carbone."

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B. MODIFICATION DES NOTES EXPLICATIVES

CHAPITRE 29.

Page 370. Nouvelle Note 5 c) 3°).

Insérer la nouvelle Note 5 c) 3°) ci-après :

"3°) Les composés de coordination, autres que les produits relevant du Sous-Chapitre XI ou du n° 29.41, sont à classer dans la position du Chapitre 29 placée la dernière par ordre de numérotation parmi celles correspondant aux fragments formés par clivage de toutes les liaisons métalliques, à l'exception des liaisons métal-carbone."

Page 374. Considérations générales. Partie G). Titre.

Nouvelle rédaction :

"G) **Classement des esters, des sels, des composés de coordination et de certains halogénures** (Note 5 du Chapitre)".

Page 375. Considérations générales. Partie G).

Insérer le nouveau point 3) ci-après :

"3) **Composés de coordination.**

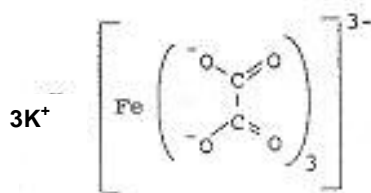
Les composés de coordination des métaux comprennent généralement toutes les espèces, chargées ou non, dans lesquelles un métal est lié à plusieurs atomes (généralement 2 à 9 atomes) mis à disposition par un ou plusieurs ligands. La géométrie du squelette formé par le métal et les atomes qui y sont liés ainsi que le nombre de liaisons métalliques sont généralement caractéristiques pour un métal donné.

Les composés de coordination, autres que les produits relevant du Sous-Chapitre XI ou du n° 29.41, doivent être considérés comme "fragmentés" par clivage de toutes les liaisons métalliques, à l'exception des liaisons métal-carbone, et classés selon le fragment (considéré comme un véritable composé, aux fins du classement) relevant du Chapitre 29, dans la position placée la dernière par ordre de numérotation.

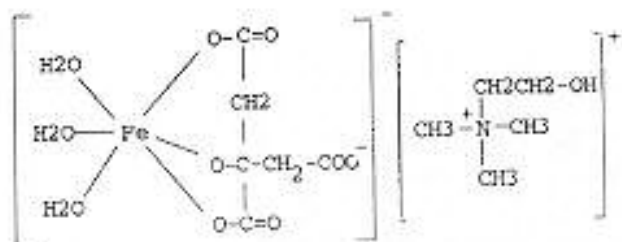
Aux fins de la Note 5 c) 3°) du Chapitre, le terme "fragments" couvre à la fois les ligands et la ou les parties comprenant une liaison métal-carbone résultant du clivage.

On en trouvera ci-après quelques exemples :

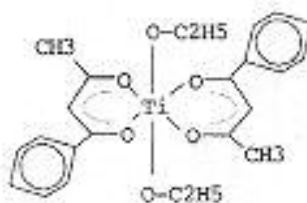
Le trioxalatoferrate (III) de potassium est à classer dans la position dont relève l'acide oxalique (n° 29.17), correspondant au fragment obtenu après clivage des liaisons métalliques.



Le ferrocholate (DCI) est à classer dans la position dont relève la choline (n° 29.23), qui est classée dans la position placée la dernière par ordre de numérotation, plutôt que dans la position dont relève l'acide citrique correspondant à l'autre fragment entrant en ligne de compte pour le classement.



Budotitane (DCI) : après clivage des liaisons métalliques, on obtient 2 fragments, l'un correspondant à l'éthanol (Chapitre 22), l'autre à la benzoylacétone (et ses formes énoliques) classée dans le n° 29.14. Le budotitane (DCI) serait donc classé dans le n° 29.14.



"

Le point 3) actuel devient le point 4).

Page 448. N° 29.31. Nouveau point 7).

Insérer le nouveau point 7) ci-après :

"7) Alkyles des métaux, fullerènes métalliques et métallocènes."

Page 491. N° 29.42.

Supprimer les points 2), 5) et 6).

Les alinéas 3) et 4) actuels deviennent 2) et 3), respectivement.

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ARTICLE 16 PROCEDURE

A. AMENDMENTS TO THE NOMENCLATURE

CHAPTER 29.

New Note 5 (c) (3).

Insert the following new Note 5 (c) (3) :

"(3) Co-ordination compounds, other than products classifiable in sub-Chapter XI or heading 29.41, are to be classified in the heading which occurs last in numerical order in Chapter 29, among those appropriate to the fragments formed by "cleaving" of all metal bonds, other than metal-carbon bonds."

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B. AMENDMENTS TO THE EXPLANATORY NOTES

CHAPTER 29.

Page 370. New Note 5 (c) (3).

Insert the following new Note 5 (c) (3) :

"(3) Co-ordination compounds, other than products classifiable in sub-Chapter XI or heading 29.41, are to be classified in the heading which occurs last in numerical order in Chapter 29, among those appropriate to the fragments formed by "cleaving" of all metal bonds, other than metal-carbon bonds."

Page 374. General. Part (G). Title.

Delete and substitute :

"(G) **Classification of esters, salts, co-ordination compounds and certain halides**
(Chapter Note 5)".

Page 375. General. Part (G).

Insert the following new Item (3) :

"(3) **Co-ordination compounds.**

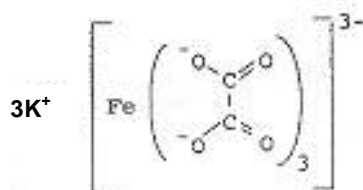
Metal co-ordination compounds generally include all the types, whether or not charged, in which a metal is bound to several atoms (generally 2 to 9 atoms) made available by one or more ligands. The skeletal geometry formed by the metal and the atoms which are bound to it as well as the number of metal links are generally characteristic for a given metal.

Co-ordination compounds, other than products classifiable in sub-Chapter XI or in heading 29.41, should be considered as being fragmented by "cleaving" of all metal bonds, apart from metal-carbon bonds, and should be classified according to the fragment (regarded as a real compound for classification purposes) falling in Chapter 29, in the heading occurring last in numerical order.

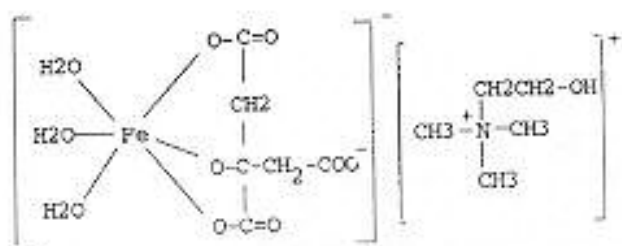
For the purposes of Note 5 (c) (3) to this Chapter, the term "fragments" covers the ligands and the part(s) containing the metal-carbon bond that have resulted from the cleavage.

Examples are shown below :

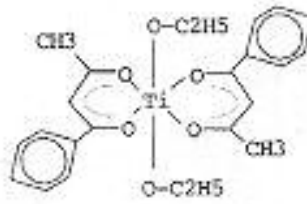
Potassium trioxalatoferrate (III) is classifiable in the heading in which the oxalic acid falls (heading 29.17), corresponding to the fragment obtained after cleaving of the metal bonds.



Ferrocholine (INN) is classifiable in the heading covering choline (heading 29.23), which is classified in the heading occurring last in numerical order, rather than in the heading for citric acid corresponding to the other fragment that can be taken into account for classification purposes.



Budotitane (INN) : After cleaving of the metal bonds, two fragments are obtained, one corresponding to ethanol (Chapter 22), the other to benzoylacetone (and its enol-function) classified in heading 29.14. Budotitane (INN) should therefore be classified in heading 29.14.



"

Renumber present Item (3) as (4).

Page 448. Heading 29.31. New Item (7).

Insert the following new Item (7) :

"(7) Metal alkyls, metal fullerenes and metallocenes."

Page 491. Heading 29.42.

Delete Items (2), (5) and (6).

Renumber present Items (3) and (4) as (2) and (3), respectively.

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ANNEXE C/3

MODIFICATION EVENTUELLE DES NOTES EXPLICATIVES DU CHAPITRE 29

(Voir l'annexe A/4 ci-dessus)

ANNEX C/3

POSSIBLE AMENDMENTS TO THE EXPLANATORY NOTES TO CHAPTER 29

(See Annex A/4 above)

MODIFICATION DES NOTES EXPLICATIVES
A EFFECTUER PAR VOIE DE CORRIGENDUM

CHAPITRE 29.

Page 372. Considérations générales. Partie B). Premier et deuxième paragraphes.

Nouvelle rédaction :

"Les composés organiques de métaux précieux, d'éléments radioactifs, d'isotopes, de métaux des terres rares, d'yttrium et de scandium ainsi que les autres composés contenant du carbone qui sont énumérés dans la Partie B) des Considérations générales du Chapitre 28 sont **exclus** du Chapitre 29 (voir Note 1 de la Section VI et Note 2 du Chapitre 28)."

[Page 444. Sous-Chapitre X. Considérations générales. Nouveau quatrième paragraphe.

Insérer le nouveau paragraphe ci-après :

"En ce qui concerne les composés contenant plusieurs noyaux hétérocycliques, si l'un de ces noyaux est expressément mentionné dans l'une des sous-positions des n°s 29.32 à 29.34, le composé est à classer dans cette sous-position. Toutefois, si plusieurs noyaux hétérocycliques sont cités au niveau des sous-positions, le composé est à classer dans la sous-position placée la dernière par ordre de numérotation."

(Proposition du Mexique)

ou

"Aux fins des n°s 29.32 à 29.34, en ce qui concerne les composés contenant plusieurs noyaux hétérocycliques, si un seul de ces noyaux est mentionné expressément dans l'une des sous-positions des n°s 29.32 à 29.34, le composé est à classer dans cette sous-position. Toutefois, si plusieurs noyaux hétérocycliques sont expressément mentionnés au niveau des sous-positions, le composé est à classer dans la sous-position spécifique placée la dernière par ordre de numérotation."

(Proposition du Canada)]

Page 460. N° 29.35.

1. Premier paragraphe. Première phrase.

Nouvelle rédaction :

"Les sulfonamides sont des composés qui correspondent à la formule schématique suivante : (R.SO₂.N.R¹.R²) dans laquelle R est un radical organique plus ou moins complexe possédant un atome de carbone directement lié au groupe SO₂ et R¹ et R² sont soit un atome d'hydrogène, soit un autre atome, soit un radical organique ou inorganique plus ou moins complexe (y compris des liaisons doubles ou des cycles)."

2. Nouvel alinéa 6).

Insérer le nouvel alinéa 6) suivant :

"6) **Le Sildénafil citrate.**"

Les alinéas 6) à 11) actuels deviennent 7) à 12) respectivement.

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AMENDMENTS TO THE EXPLANATORY NOTES
TO BE MADE BY CORRIGENDUM

CHAPTER 29.

Page 372. General. Part (B). First and second paragraphs.

Delete and substitute :

"Organic compounds of precious metals, radioactive elements, isotopes, rare-earth metals, yttrium and scandium, and the other compounds containing carbon listed in Part (B) of the General Explanatory Note to Chapter 28 are **excluded** from Chapter 29 (see Note 1 to Section VI and Note 2 to Chapter 28)."

[Page 444. Sub-Chapter X. General. New fourth paragraph.

Insert the following new paragraph :

"For compounds containing more than one heterocyclic ring, if one of these rings is specifically named at subheading level of headings 29.32 to 29.34, the compound should be classified in that subheading. In the case that two or more rings are specified at subheading level, the compound should be classified in the subheading which occurs last in numerical order."

(Proposal by Mexico)

or

"For the purposes of headings 29.32 to 29.34, with respect to compounds containing more than one heterocyclic ring, if only one of the heterocyclic rings is specifically named in a subheading within headings 29.32 to 29.34, the compound should be classified in that subheading. However, if two or more of the heterocyclic rings are specifically named at the subheading level, the compound should be classified in the specific subheading that occurs last in numerical order."

(Proposal by Canada)]

Page 460. Heading 29.35.

1. First paragraph. First sentence.

Delete and substitute :

"Sulphonamides have the general formula (R.SO₂.N.R¹.R²) where R is an organic radical of varying complexity having a carbon atom directly attached to the SO₂ group and R¹ and R² are either : hydrogen, another atom or an inorganic or organic radical of varying complexity (including double bonds or cycles)."

2. New Item (6).

Insert the following new Item (6) :

"(6) **Sildenafil citrate.**"

Renumber present Items (6) to (11) as (7) to (12), respectively.

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ANNEXE C/4

CLASSEMENT DE CERTAINS PRODUITS CHIMIQUES REPRIS DANS
LA VERSION 2002 DU SYSTEME HARMONISE

(Voir l'annexe A/6 ci-dessus)

ANNEX C/4

CLASSIFICATION OF CERTAIN CHEMICAL PRODUCTS UNDER
THE 2002 VERSION OF THE HARMONIZED SYSTEM

(See Annex A/6 above)

I. LISTE 82 DE DCI

DCI	Code SH proposé
Adrogolide	2934.99
Altinicline	2933.99
Ataquimast	2933.99
Bilastine	2933.39
Bulaquine	2934.99
Cangrélol	2934.99
Conivaptan	2933.99
Darusentan	2933.59
Emfilermine	2933.29
Eptapirone	2933.69
Evérolimus	2934.99
Ezlopitant	2933.39
Fiduxosine	2934.99
Figopitant	2933.59
Implitapide	2933.99
Irampanel	2934.99
Lanicemine	2933.39
Lusapéridone	2934.99

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Motéxafine	2933.99
Néboostinel	2924.29
Pinokalant	2933.49
Posaconazole	2934.99
Pumafentrine	2933.99
Radolmidine	2933.29
Relcovaptan	2935.00
Répifermine	2933.29
Résiquimod	2933.99
Rubitécan	2939.99
Sulamsérod	2935.00
Valrocémide	2924.19
Vofopitant	2933.39

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II. LISTE 83 DE DCI

DCI	Code SH proposé
Atrasentan	2934.99
Capromorelin	2933.99
Cridanimod	2933.99
Ecraprost	2937.50
Ensulizole	2933.99
Fosfluconazole	2933.99
Isatoribine	2934.99
Labradimil	2937.90
Lixivaptan	2933.99
Melevodopa	2922.50
Norelgestromin	2937.29
Opaviriline	2933.99
Opebacan	2934.99
Paliperidone	2934.99
Rostaporfin	2933.99
Rotigotine	2934.99
Sitaxentan	2935.00
Talaporfin	2933.99

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Tolvaptan	2933.99
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III. PRODUITS PORTANT UNE DCI DONT LE CLASSEMENT
A ETE DIFFERE LORS DE SESSIONS PRECEDENTES

DCI	Code SH proposé
Anécortave (Liste 80 de DCI)	2937.29
Exatécan (Liste 81 de DCI)	2939.99

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IV. REVISION DU CLASSEMENT DE CERTAINS PRODUITS PORTANT UNE DCI

DCI	Code SH proposé
Midaxifylline (Liste 79 de DCI)	2939.59
Corifollitropine alfa (Liste 80 de DCI)	2934.99

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I. INN LIST 82

INN	Proposed HS code
Adrogolide	2934.99
Altinicline	2933.99
Ataquimast	2933.99
Bilastine	2933.39
Bulaquine	2934.99
Cangrelor	2934.99
Conivaptan	2933.99
Darusentan	2933.59
Emfilermin	2933.29
Eptapirone	2933.69
Everolimus	2934.99
Ezlopitant	2933.39
Fiduxosin	2934.99
Figopitant	2933.59
Implitapide	2933.99
Irampanel	2934.99
Lanicemine	2933.39
Lusaperidone	2934.99

Motexafin	2933.99
Nebostinel	2924.29
Pinokalant	2933.49
Posaconazole	2934.99
Pumafentrine	2933.99
Radolmidine	2933.29
Relcovaptan	2935.00
Repifermin	2933.29
Resiquimod	2933.99
Rubitecan	2939.99
Sulamserod	2935.00
Valrocemide	2924.19
Vofopitant	2933.39

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II. INN LIST 83

INN	Proposed HS code
Atrasentan	2934.99
Capromorelin	2933.99
Cridanimod	2933.99
Ecraprost	2937.50
Ensulizole	2933.99
Fosfluconazole	2933.99
Isatoribine	2934.99
Labradimil	2937.90
Lixivaptan	2933.99
Melevodopa	2922.50
Norelgestromin	2937.29
Opaviriline	2933.99
Opebacan	2934.99
Paliperidone	2934.99
Rostaporfin	2933.99
Rotigotine	2934.99
Sitaxentan	2935.00
Talaporfin	2933.99

Tolvaptan	2933.99
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III. INN PRODUCTS WHOSE CLASSIFICATION WAS
POSTPONED AT PREVIOUS SESSIONS

INN	Proposed HS code
Anecortave (INN List 80)	2937.29
Exatecan (INN List 81)	2939.99

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IV. REVIEW OF THE CLASSIFICATION OF CERTAIN INN PRODUCTS

INN	Proposed HS code
Midaxifylline (INN List 79)	2939.59
Corifollitropin alfa (INN List 80)	2934.99

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ANNEXE C/5

CLASSEMENT DE CERTAINS PRODUITS CHIMIQUES EN RELATION
AVEC LA CONVENTION SUR LES ARMES CHIMIQUES

(Voir l'annexe A/9 ci-dessus)

ANNEX C/5

CLASSIFICATION OF CERTAIN CHEMICAL PRODUCTS RELATING
TO THE CHEMICAL WEAPONS CONVENTION

(See Annex A/9 above)

Sched.	CAS Index Name	CA RN	M Formula	HS subheading
[Schedule 1				
A. Toxic chemicals :				
(1) O- Alkyl (\leqC10, incl. cycloalkyl) alkyl (Me, Et, n- Pr or i- Pr)- phosphonofluoridates :				
1A01	Phosphonofluoridic acid, methyl-, 2-ethylhexyl ester	458-71-9	C9H20FO2P	2931.00
1A01	Phosphonofluoridic acid, (1-methylethyl)-, methyl ester	648-59-9	C4H10FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, decyl ester	193090-25-4	C11H24FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1,4-dimethylpentyl ester	199850-62-9	C8H18FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1,3-dimethylbutyl ester	352-53-4	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 2,3-dimethylbutyl ester	83563-66-0	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 2-methylcyclohexyl ester	85473-32-1	C8H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 4-methylcyclohexyl ester	113548-87-1	C8H16FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, cyclohexyl ester	7284-84-6	C8H16FO2P	2931.00
1A01	Phosphonofluoridic acid, (1-methylethyl)-, 1-methylethyl ester	665-33-8	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, methyl ester	665-03-2	C3H8FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1,3,3-trimethylbutyl ester	30593-65-8	C8H18FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1-ethylpropyl ester	66348-71-8	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-d3-, 1,2,2-trimethylpropyl ester	104801-09-4	C7H13D3FO2P	2845.90
1A01	Phosphonofluoridic acid, methyl-, 1-methyl-2-propynyl ester	30593-71-6	C5H8FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, propyl ester	2992-95-2	C5H12FO2P	2931.00
1A01	Phosphonofluoridic acid, propyl-, cyclohexyl ester	28364-21-8	C9H18FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1-methylheptyl ester, [S-(R*,R*)]-	24753-12-6	C9H20FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1-methylheptyl ester	22925-97-9	C9H20FO2P	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
1A01	Phosphonofluoridic acid, methyl-, 1-methylheptyl ester, [R-(R*,R*)]-	22925-96-8	C9H20FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, 2-methylpropyl ester	2261-83-8	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, propyl-, 1-methylethyl ester	18358-37-7	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, propyl-, propyl ester	18358-36-6	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, butyl ester	18358-34-4	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, ethyl ester	650-20-4	C4H10FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, pentyl ester	162085-84-9	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1,2,2-trimethylpropyl ester, (1S)-	89254-45-5	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1,2,2-trimethylpropyl ester, (1R)-	89254-46-6	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 3,3-dimethylbutyl ester	660-21-9	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 3-methylbutyl ester	22107-46-6	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, cyclohexyl ester	329-99-7	C7H14FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-d3, 1-methylethyl ester	104801-08-3	C4H7D3FO2P	2845.90
1A01	Phosphonofluoridic acid, methyl-, 1,2,2-trimethylpropyl ester, labelled with tritium	104801-10-7	C7H16FO2P	2844.40
1A01	Phosphonofluoridic acid, methyl-, 1-methylethyl ester	107-44-8	C4H10FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1,2,2-trimethylpropyl ester	96-64-0	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, 1-methylethyl ester	1189-87-3	C5H12FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, nonyl ester	211192-74-4	C10H22FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, cyclopentyl ester	7284-82-4	C6H12FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1-methylethyl ester, labelled with tritium	104801-07-2	C4H10FO2P	2844.40
1A01	Phosphonofluoridic acid, ethyl-, 1-methylpropyl ester	162085-83-8	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, heptyl ester	162085-82-7	C8H18FO2P	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
1A01	Phosphonofluoridic acid, methyl-, cyclooctyl ester	14719-38-1	C9H18FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, octyl ester	144313-52-0	C9H20FO2P	2931.00
1A01	Phosphonofluoridic acid, isopropyl-, ethyl ester	1426-08-0	C5H12FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, hexyl ester	135445-19-1	C8H18FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, pentyl ester	13454-59-6	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, phenyl ester	133826-40-1	C7H8FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1-methylpentyl ester	13172-12-8	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, hexyl ester	113548-89-3	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 2-ethylbutyl ester	126204-48-6	C7H16FO2 P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 2-butenyl ester, (E)-	138780-00-4	C5H10FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, methyl ester	353-88-8	C2H6FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, propyl ester	763-14-4	C4H10FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, (1S)-1,2,2-trimethylpropyl ester, [P(S)]-	24753-16-0	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, (1S)-1,2,2-trimethylpropyl ester, [P(R)]-	24753-15-9	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, (1R)-1,2,2-trimethylpropyl ester, [P(R)]-	22956-47-4	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1-methylpropyl ester	352-52-3	C5H12FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 2-methylpropyl ester	2053-81-8	C5H12FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, butyl ester	352-63-6	C5H12FO2P	2931.00
1A01	Phosphonofluoridic acid, ethyl-, heptyl ester	162085-85-0	C9H20FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 2,2-dimethylpropyl ester	372-62-3	C6H14FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, (1R)-1,2,2-trimethylpropyl ester, [P(S)]-	22956-48-5	C7H16FO2P	2931.00
1A01	Phosphonofluoridic acid, methyl-, 1,2-dimethylpropyl ester	6154-51-4	C6H14FO2P	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
1A01	Phosphonofluoridic acid, methyl-, ethyl ester	673-97-2	C3H8FO2P	2931.00
(2) O- Alkyl (\leqC10, incl. cycloalkyl) N,N- dialkyl (Me, Et, n- Pr or i- Pr) phosphoramidocyanidates :				
1A02	Phosphoramidocyanidic acid, dimethyl-, 1-methylethyl ester	63815-55-4	C6H13N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, dimethyl-, methyl ester	63815-56-5	C4H9N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, diethyl-, ethyl ester	63815-60-1	C7H15N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, dimethyl-, propyl ester	162085-86-1	C6H13N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, dimethyl-, pentyl ester	148461-87-4	C8H17N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, dimethyl-, butyl ester	162085-87-2	C7H15N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, dimethyl-, 2-methylpropyl ester	162085-88-3	C7H15N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, dimethyl-, 1-methylpropyl ester	162085-89-4	C7H15N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, dimethyl-, hexyl ester	162085-90-7	C9H19N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, dimethyl-, heptyl ester	162085-91-8	C10H21N2O2P	2931.00
1A02	Phosphoramidocyanidic acid, dimethyl-, ethyl ester	77-81-6	C5H11N2O2P	2931.00
(3) O- Alkyl (H or \leqC10, incl. cycloalkyl) S- 2- dialkyl (Me, Et, n- Pr or i- Pr)- aminoethyl alkyl (Me, Et, n- Pr or i- Pr) phosphonothiolates and corresponding alkylated or protonated salts :				
1A03	Phosphonothioic acid, methyl-, S-[2-(dimethylamino)ethyl] O-methyl ester	108490-92-2	C6H16NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-ethyl ester, (R)-	65167-63-7	C11H26NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] ester	73207-98-4	C9H22NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-(dipropylamino)ethyl] O-ethyl ester	62512-68-9	C11H26NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, O-cyclopentyl S-[2-(dimethylamino)ethyl] ester	22925-98-0	C10H22NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, O-ethyl S-[(ethylthio)methyl] ester	33910-75-7	C6H15O2PS2	2930.90
1A03	Phosphonothioic acid, isopropyl-, S-(2-diethylaminoethyl) O-ethyl ester	99991-06-7	C11H26NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-ethyl ester, (S)-	65167-64-8	C11H26NO2PS	2930.90

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1A03	Phosphonothioic acid, methyl-, S-[2-(dimethylamino)ethyl] O-ethyl ester	20820-80-8	C7H18NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-(diethylamino)ethyl] O-(1-methylethyl) ester	91134-95-1	C10H24NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-[[2-(dimethylamino)ethyl]thio]ethyl] ester	170082-85-6	C7H18NO2PS2	2930.90
1A03	Phosphonothioic acid, ethyl-, S-(2-diethylaminoethyl) O-ethyl ester, oxalate	108302-04-1	C10H24NO2PS.C2H2O4	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-(dimethylamino)ethyl] O-(2-methylpropyl) ester	56217-65-3	C9H22NO2PS	2930.90
1A03	Benzenaminium, N-[2-[(ethoxymethylphosphinyl)thio]ethyl]-N,N-dimethyl-, methyl sulfate	41294-07-9	C13H23NO2PS.CH3O4S	2930.90
1A03	Phosphonothioic acid, methyl-, O-ethyl S-[2-(4-methoxyphenyl)methylamino]ethyl] ester	41294-05-7	C13H22NO3PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-cyclopentyl ester, (S)-	102490-59-5	C14H30NO2PS	2930.90
1A03	Phosphonothioic acid, propyl-, S-[2-(dimethylamino)ethyl] O-ethyl ester	218964-59-1	C9H22NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, O-ethyl S-[2-[methyl(4-methylphenyl)amino]ethyl] ester	41294-04-6	C13H22NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-(2-diethylaminoethyl) O-ethyl ester, p-toluenesulfonate	107059-49-4	C9H22NO2PS.C7H8O3S	2930.90
1A03	Phosphonothioic acid, methyl-, O-ethyl S-[2-[(3-methoxyphenyl)methylamino]ethyl] ester	41294-02-4	C13H22NO3PS	2930.90
1A03	Phosphonothioic acid, propyl-, S-(2-diethylaminoethyl) O-ethyl ester	99991-07-8	C11H26NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, O-ethyl S-[2-[methyl(3-methylphenyl)amino]ethyl] ester	41294-01-3	C13H22NO2PS	2930.90
1A03	Benzenaminium, N-[2-[(ethoxymethylphosphinyl)thio]ethyl]-4-methoxy-N,N-dimethyl-, methyl sulfate	41294-12-6	C14H25NO3PS.CH3O4S	2930.90
1A03	Phosphonothioic acid, propyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-ethyl ester	218964-60-4	C13H30NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-cyclopentyl ester	85473-33-2	C14H30NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-(diethylamino)ethyl] O-(2-methylpropyl) ester	159939-87-4	C11H26NO2PS	2930.90
1A03	Benzenaminium, N-[2-[(ethoxymethylphosphinyl)thio]ethyl]-N,N,3-trimethyl-, methyl sulfate	41294-08-0	C14H25NO2PS.CH3O4S	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-(dimethylamino)ethyl] O-ethyl ester, ethanedioate (1:1)	2641-09-0	C7H18NO2PS.C2H2O4	2930.90
1A03	Benzenaminium, N-[2-[(ethoxymethylphosphinyl)thio]ethyl]-3-methoxy-N,N-dimethyl-, methyl sulfate	41294-09-1	C14H25NO3PS.CH3O4S	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-(diethylamino)ethyl] O-ethyl ester	21770-86-5	C9H22NO2PS	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-ethyl ester, (+-)-	65167-64-8	C11H26NO2PS	2930.90
1A03	Benzenaminium, N-[2-[(ethoxymethylphosphinyl)thio]ethyl]-N,N,4-trimethyl-, methyl sulfate	41294-11-5	C14H25NO2PS.CH3O4S	2930.90
1A03	Phosphonothioic acid, ethyl-, S-[2-(dimethylamino)ethyl] O-ethyl ester	98543-25-0	C8H20NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-(2-diethylaminoethyl) O-ethyl ester, oxalate	108776-13-2	C9H22NO2PS.C2H2O4	2930.90
1A03	Ethanaminium, N,N,N-trimethyl-2-[[methyl(1-methylethoxy)phosphinyl]thio]-, iodide	1866-98-4	C9H23NO2PS.I	2930.90
1A03	Ethanaminium, N,N,N-trimethyl-2-[[methyl(1,2,2-trimethylpropoxy)phosphinyl]thio]-	38770-03-5	C12H29NO2PS	2930.90*
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-butyl ester	52364-46-2	C13H30NO2PS	2930.90
1A03	Ethanaminium, 2-[(ethoxymethylphosphinyl)thio]-N,N,N-trimethyl-	56217-67-5	C8H21NO2PS	2930.90*
1A03	Phosphonothioic acid, ethyl-, S-[2-(diethylamino)ethyl] O-methyl ester	170800-77-8	C9H22NO2PS	2930.90
1A03	Phosphonothioic acid, ethyl-, S-[2-(dimethylamino)ethyl] O-(1-methylpropyl) ester, ethanedioate (1:1)	50929-97-0	C10H24NO2PS.C2H2O4	2930.90
1A03	Ethanaminium, N,N,N-trimethyl-2-[[methyl(1-methylethoxy)phosphinyl]thio]-	56217-69-7	C9H23NO2PS	2930.90*
1A03	Phosphonothioic acid, methyl-, O-cyclohexyl S-[2-(diethylamino)ethyl] ester	71293-89-5	C13H28NO2PS	2930.90
1A03	Phosphonothioic acid, ethyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-(1-methylethyl) ester	162085-95-2	C13H30NO2PS	2930.90
1A03	Phosphonothioic acid, ethyl-, S-[2-(diethylamino)ethyl] O-ethyl ester	21738-25-0	C10H24NO2PS	2930.90
1A03	Ethanaminium, 2-[(ethoxymethylphosphinyl)thio]-N,N,N-trimethyl-, iodide	2478-92-4	C8H21NO2PS.I	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-(dimethylamino)ethyl] O-(1-methylethyl) ester	21068-52-0	C8H20NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-(diethylamino)ethyl] ester	21068-51-9	C7H18NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, O-butyl S-[2-(ethylthio)ethyl] ester	21055-68-5	C9H21O2PS2	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-(dimethylamino)ethyl]-O-(1-methylethyl) ester, ethanedioate (1:1)	2478-93-5	C8H20NO2PS.C2H2O4	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-propyl ester	52364-45-1	C12H28NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-ethyl ester	50782-69-9	C11H26NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, O-cyclopentyl S-[2-(dimethylamino)ethyl] ester, (S)-	22925-95-7	C10H22NO2PS	2930.90

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1A03	Phosphonothioic acid, methyl-, S-[2-(dimethylamino)ethyl] ester	34256-71-8	C5H14NO2PS	2930.90
1A03	Phosphonothioic acid, ethyl-, S-[2-(dimethylamino)ethyl] O-(1-methylethyl) ester	162085-92-9	C9H22NO2PS	2930.90
1A03	Phosphonothioic acid, ethyl-, S-[2-(diethylamino)ethyl] O-(1-methylethyl) ester	162085-93-0	C11H26NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-(1-methylethyl) ester	51446-23-2	C12H28NO2PS	2930.90
1A03	Phosphonothioic acid, methyl-, O-cyclopentyl S-[2-(diethylamino)ethyl] ester	93240-66-5	C12H26NO2PS	2930.90
1A03	Phosphonothioic acid, ethyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-methyl ester	162085-94-1	C11H26NO2PS	2930.90
1A03	Phosphonothioic acid, ethyl-, S-[2-(ethylthio)ethyl] O-(1-methylpropyl) ester	50824-96-9	C10H23O2PS2	2930.90
1A03	Phosphonothioic acid, ethyl-, S-[2-[bis(1-methylethyl)amino]ethyl] O-ethyl ester	73835-17-3	C12H28NO2PS	2930.90
(4) Sulfur mustards :				
1A04	Ethane, 1,1'-(thio-3S)bis[2-chloro-	6755-76-6	C4H8Cl2S	2844.40
1A04	Ethane, 1,2-bis[(2-chloroethyl)thio]-	3563-36-8	C6H12Cl2S2	2930.90
1A04	Ethane, 1,1'-[methylenebis(thio)]bis[2-chloro-	63869-13-6	C5H10Cl2S2	2930.90
1A04	Ethane-1,1,2,2-d4, 1,1'-thiobis[2-chloro-	176327-97-2	C4Cl2D8S	2845.90
1A04	Pentane, 1,5-bis[(2-chloroethyl)thio]-	142868-94-8	C9H18Cl2S2	2930.90
1A04	Butane, 1,4-bis[(2-chloroethyl)thio]-	142868-93-7	C8H16Cl2S2	2930.90
1A04	Ethane, 1-chloro-2-[(chloromethyl)thio]-	2625-76-5	C3H6Cl2S	2930.90
1A04	Propane, 1,3-bis[(2-chloroethyl)thio]-	63905-10-2	C7H14Cl2S2	2930.90
1A04	Ethane, 1,1'-oxybis[2-[(2-chloroethyl)thio]-	63918-89-8	C8H16Cl2OS2	2930.90
1A04	Ethane, 1,1'-thiobis[2-chloro-	505-60-2	C4H8Cl2S	2930.90
1A04	Ethane, 1,1'-[oxybis(methylenethio)]bis[2-chloro-	63918-90-1	C6H12Cl2OS2	2930.90
(5) Lewisites :				
1A05	Arsonous dichloride, [(1Z)-2-chloroethenyl]-	34461-56-8	C2H2AsCl3	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
1A05	Arsine, tris(2-chloroethenyl)-	40334-70-1	C6H6AsCl3	2931.00
1A05	Arsinous chloride, bis(2-chloroethenyl)-	40334-69-8	C4H4AsCl3	2931.00
1A05	Arsonous dichloride, (2-chloroethenyl)-	541-25-3	C2H2AsCl3	2931.00
(6) Nitrogen mustards :				
1A06	Ethanamine, 2-chloro-N-(2-chloroethyl)-N-methyl-, hydrochloride	55-86-7	C5H11Cl2N.CIH	2921.19
1A06	Ethanamine, 2-chloro-N-(2-chloroethyl)-N-methyl-	51-75-2	C5H11Cl2N	2921.19
1A06	Ethanamine, 2-chloro-N,N-bis(2-chloroethyl)-	555-77-1	C6H12Cl3N	2921.19
1A06	Ethanamine, 2-chloro-N-(2-chloroethyl)-N-ethyl-, compd. with 2,4,6-trinitrophenol (1:1)	63915-56-0	C6H13Cl2N.C6H3N3O7	2921.19
1A06	Ethanamine, 2-chloro-N-(2-chloroethyl)-N-ethyl-, hydrochloride	3590-07-6	C6H13Cl2N.CIH	2921.19
1A06	Ethanamine, 2-chloro-N-(2-chloroethyl)-N-ethyl-	538-07-8	C6H13Cl2N	2921.19
1A06	Ethanamine, 2-chloro-N,N-bis(2-chloroethyl)-, hydrochloride	817-09-4	C6H12Cl3N.CIH	2921.19
1A06	Diethylamine, 2,2'-dichloro-N-methyl-, monopicrate	2475-58-3	C6H3N3O7.C5H11Cl2N	2921.19
1A06	Ethanamine, 2-chloro-N,N-bis(2-chloroethyl)-, compd. with 2,4,6-trinitrophenol (1:1)	6138-32-5	C6H12Cl3N.C6H3N3O7	2921.19
(7) Saxitoxins :				
1A07	1H,10H-Pyrrolo[1,2-c]purine-10,10-diol, 2,6-diamino-4-[[[(aminocarbonyl)oxy]methyl]-3a,4,8,9-tetrahydro-, (3aS,4R,10aS)-	35523-89-8	C10H17N7O4	3002.90
1A07	1H,10H-Pyrrolo[1,2-c]purine-10,10-diol, 2,6-diamino-4-[[[(aminocarbonyl)oxy]methyl]-3a,4,8,9-tetrahydro-, dihydrochloride, [3aS-(3a.alpha.,4.alpha.,10aR*)]-	35554-08-6	C10H17N7O4.2CIH	3002.90
(8) Ricins :				
1A08	Ricins :	9009-86-3		3002.90
B. Precursors :				
(9) Alkyl (Me, Et, n- Pr or i- Pr) phosphonyldifluorides :				
1B09	Phosphonic difluoride, methyl-, mixt. with methylphosphonic dichloride	97505-35-6	CH3Cl2OP.CH3F2OP	3824.90
1B09	Phosphonic difluoride, ethyl-	753-98-0	C2H5F2OP	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
1B09	Phosphonic difluoride, (1-methylethyl)-	677-42-9	C3H7F2OP	2931.00
1B09	Phosphonic difluoride, propyl-	690-14-2	C3H7F2OP	2931.00
1B09	Phosphonic difluoride, methyl-	676-99-3	CH3F2OP	2931.00
(10) O- Alkyl (H or ≤C10, incl. cycloalkyl) O- 2- dialkyl (Me, Et, n- Pr or i- Pr)- aminoethyl alkyl (Me, Et, n- Pr or i- Pr) phosphonites and corresponding alkylated or protonated salts :				
1B10	Phosphonic acid, methyl-, 2-[bis(1-methylethyl)amino]ethyl ethyl ester	71840-26-1	C11H26NO3P	2931.00
1B10	Phosphonous acid, ethyl-, 2-[bis(1-methylethyl)amino]ethyl ethyl ester	159574-69-3	C12H28NO2P	2931.00
1B10	Phosphonous acid, (1-methylethyl)-, 2-[bis(1-methylethyl)amino]ethyl ethyl ester	169739-33-7	C13H30NO2 P	2931.00
1B10	Phosphonous acid, propyl-, 2-[bis(1-methylethyl)amino]ethyl ethyl ester	169739-24-6	C13H30NO2 P	2931.00
1B10	Phosphonous acid, methyl-, 2-[bis(1-methylethyl)amino]ethyl ethyl ester	57856-11-8	C11H26NO2P	2931.00
(11) Chlorosarin: O- Isopropyl methylphosphonochloridate :				
1B11	Phosphonochloridic acid, methyl-, 1-methylethyl ester	1445-76-7	C4H10ClO2P	2931.00
(12) Chlorosoman: O- Pinacolyl methylphosphonochloridate :				
1B12	Phosphonochloridic acid, methyl-, 1,2,2-trimethylpropyl ester	7040-57-5	C7H16ClO2P	2931.00
Schedule 2				
A. Toxic chemicals :				
2A01	Ethanaminium, 2-[(diethoxyphosphinyl)thio]-N,N,N-triethyl-	20194-81-4	C12H29NO3PS	2930.90
2A01	Phosphorothioic acid, S-[2-(diethylamino)ethyl] O,O-diethyl ester, ethanedioate (1:1)	3734-97-2	C10H24NO3PS.C2H2O4	2930.90
2A01	Phosphorothioic acid, S-[2-(diethylamino)ethyl] O,O-diethyl ester	78-53-5	C10H24NO3PS	2930.90
2A02	1-Propene, 1,1,3,3,3-pentafluoro-2-(trifluoromethyl)-	382-21-8	C4F8	2903.30

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2A03	Benzeneacetic acid, .alpha.-hydroxy-.alpha.-phenyl-, 1-azabicyclo[2.2.2]oct-3-yl ester	6581-06-2	C21H23NO3	2933.39
2A03	Benzeneacetic acid, .alpha.-hydroxy-.alpha.-phenyl-, 1-azabicyclo[2.2.2]oct-3-yl ester, hydrochloride	13004-56-3	C21H23NO3.ClH	2933.39
B. Precursors :				
2B04	Phosponodithioic acid, ethyl-, O-methyl S-[(2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] ester	54253-87-1	C10H13N2O3PS2	2934.99
2B04	Phosponodithioic acid, ethyl-, S-ethyl O-propyl ester	54565-49-0	C7H17OPS2	2930.90
2B04	Phosponodithioic acid, methyl-, S-ethyl O-propyl ester NS0046E1 (SSC/17)	54565-46-7	C6H15OPS2	2930.90
2B04	Phosponodithioic acid, ethyl-, S-ethyl O-methyl ester	57093-53-5	C5H13OPS2	2930.90
2B04	Phosponothioic acid, methyl-, O-ethyl S-(1-methylethyl) ester	57207-30-4	C6H15O2PS	2930.90
2B04	Phosponothioic acid, methyl-, O,S-dimethyl ester	58259-60-2	C3H9O2PS	2930.90
2B04	Phosponamidothioic acid, N-acetyl-P-ethyl-, S-ethyl ester	67242-40-4	C6H14NO2PS	2930.90
2B04	Phosponodithioic acid, methyl-, O,S-dimethyl ester	54565-44-5	C3H9OPS2	2930.90
2B04	Phosponamidothioic acid, P-ethyl-N-(1-oxopropyl)-, S-methyl ester	67242-41-5	C6H14NO2PS	2930.90
2B04	Phosphonic acid, (1-methylethyl)-, dimethyl ester	54552-77-1	C5H13O3P	2931.00
2B04	Phosponodithioic acid, methyl-, S-ethyl O-methyl ester	54565-45-6	C4H11OPS2	2930.90
2B04	Phosponothioic acid, methyl-, O-cyclopentyl S-propyl ester, (R)-	65167-61-5	C9H19O2PS	2930.90
2B04	Phosponamidothioic acid, P-ethyl-N-(1-oxopropyl)-, S-ethyl ester	65331-56-8	C7H16NO2PS	2930.90
2B04	Phosponamidothioic acid, P-propyl-, S-methyl ester	65331-54-6	C4H12NOPS	2930.90
2B04	Phosponodithioic acid, methyl-, S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O-ethyl ester	35575-81-6	C10H12ClN2O3PS2	2934.99
2B04	1,3,5,2,4,6-Triphosphatriborin, 1,2,3,4,5,6-hexahydro-1,2,3,4,5,6-hexamethyl-	63917-40-8	C6H18B3P3	2931.00
2B04	Phosponochloridothioic acid, ethyl-, O-(1-methylethyl) ester	64581-67-5	C5H12ClOPS	2931.00
2B04	Phosponothioic acid, methyl-, O-cyclopentyl S-propyl ester	65143-04-6	C9H19O2PS	2930.90
2B04	Phosponothioic acid, methyl-, O-ethyl S-propyl ester, (R)-	65167-51-3	C6H15O2PS	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonochloridothioic acid, (1-methylethyl)-, O-ethyl ester	66089-80-3	C5H12ClOPS	2931.00
2B04	Phosphonothioic acid, methyl-, O-cyclopentyl S-propyl ester, (S)-	65167-62-6	C9H19O2PS	2930.90
2B04	Phosphonodithioic acid, methyl-, O-(2,4-dichlorophenyl) S-propyl ester	63869-33-0	C10H13Cl2OPS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-cyclopentyl S-methyl ester, (S)-	65167-60-4	C7H15O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-(1-methylethyl) ester, (R)-	65167-53-5	C6H15O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-(1-methylethyl) ester, (S)-	65167-54-6	C6H15O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, S-butyl O-ethyl ester, (R)-	65167-55-7	C7H17O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, S-butyl O-ethyl ester, (S)-	65167-56-8	C7H17O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-cyclopentyl S-methyl ester, (R)-	65167-59-1	C7H15O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-pentyl ester, (R)-	65167-57-9	C8H19O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-pentyl ester, (S)-	65167-58-0	C8H19O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-propyl ester, (S)-	65167-52-4	C6H15O2PS	2930.90
2B04	Phosphonamidothioic acid, P-methyl-N-(1-naphthalenyloxy)-, O-ethyl ester	63815-53-2	C13H16NO2PS	2931.00
2B04	Phosphonothioic acid, methyl-, S-methyl O-propyl ester	58259-61-3	C5H13O2PS	2930.90
2B04	Phosphorane, methyltriphenoxy[[trifluoromethyl)sulfonyl]oxy]-	58373-29-8	C20H18F3O6PS	2931.00
2B04	Phosphonamidothioic acid, P-(1-methylethyl)-, S-methyl ester	67242-37-9	C4H12NOPS	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl O-6-quinoliny ester	58995-43-0	C12H14NO2PS	2933.49
2B04	Aziridine, 1,1'-(methylphosphinylidene)bis[2-methyl-	60671-03-6	C7H15N2OP	2933.99
2B04	Phosphonothioic acid, methyl-, O-(diphenylmethyl) O-ethyl ester	62246-71-3	C16H19O2PS	2931.00
2B04	Phosphonothioic acid, ethyl-, S-(4-chlorophenyl) O-ethyl ester	62421-46-9	C10H14ClO2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, O-ethyl S-phenyl ester, (R)-	62697-92-1	C10H15O2PS	2930.90
2B04	Phosphonodithioic acid, methyl-, O-ethyl S-methyl ester	65397-31-1	C4H11OPS2	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Thioisohypophosphoric acid ((HO)2P(S)OP(S)H(OH)), ethyl-, triethyl ester	63815-52-1	C8H20O4P2S2	2931.00
2B04	Acetic acid, [[methyl(propylthio)phosphinothioyl]thio]-, ethyl ester	63906-39-8	C8H17O2PS3	2930.90
2B04	Phosphonothioic acid, methyl-, O-[2-(ethylthio)-6-methyl-4-pyrimidinyl] O-methyl ester	63815-54-3	C9H15N2O2PS2	2933.59
2B04	Phosponamidothioic acid, trimethyl-, S-methyl ester	67242-36-8	C4H12NOPS	2930.90
2B04	Phosponofluoridic acid, methyl-, 4-(1-pyrenyl)butyl ester	67000-88-8	C21H20FO2P	2931.00
2B04	Phosphonothioic acid, methyl-, O,O-bis(1-methylethyl) ester	66295-45-2	C7H17O2PS	2931.00
2B04	Phosponous acid, methyl-, bis(1-methylethyl) ester	66295-44-1	C7H17O2P	2931.00
2B04	Phosphonothioic acid, methyl-, O-ethyl O-propyl ester	66022-44-4	C6H15O2PS	2931.00
2B04	Phosponodithioic acid, ethyl-, S-[[4-chlorophenyl]thio]methyl] O-ethyl ester	63869-31-8	C11H16ClOPS3	2930.90
2B04	Phosponamidothioic acid, N-acetyl-P-ethyl-, S-methyl ester	67242-39-1	C5H12NO2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, O-ethyl S-phenyl ester, (S)-	62742-85-2	C10H15O2PS	2930.90
2B04	Phosphonothioic dibromide, (1-methylethyl)-	27509-13-3	C3H7Br2PS	2931.00
2B04	Phosphonic acid, ethyl-, ethyl 2-(ethylthio)-6-methyl-4-pyrimidinyl ester	25537-46-6	C11H19N2O3PS	2933.59
2B04	Phosphonothioic acid, ethyl-, O-methyl O-(2,4,5-trichlorophenyl) ester	25918-54-1	C9H10Cl3O2PS	2931.00
2B04	Phosponamidothioic acid, P-ethyl-, S-ethyl ester	26350-28-7	C4H12NOPS	2930.90
2B04	Phosponamidothioic acid, P-ethyl-, S-methyl ester	26350-29-8	C3H10NOPS	2930.90
2B04	Phosponamidodithioic acid, P-ethyl-, methyl ester	26350-31-2	C3H10NPS2	2930.90
2B04	Phosponamidic acid, P-ethyl-N-[[5-methoxy-2-pyrimidinyl]amino]carbonyl]-, ethyl ester	26594-06-9	C10H17N4O4P	2933.59
2B04	Phosphonobromidodithioic acid, ethyl-, ethyl ester	27127-16-8	C4H10BrPS2	2930.90
2B04	Phosphonodithioic acid, methyl-, O-methyl S-[(2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] ester	35614-25-6	C9H11N2O3PS2	2934.99
2B04	Phosphonothioic chloride fluoride, isopropyl-	27127-28-2	C3H7ClFPS	2931.00
2B04	Phosphonodithioic acid, ethyl-, S-(4-chlorophenyl) O-(2-methylpropyl) ester	24838-84-4	C12H18ClOPS2	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonochloridic acid, ethyl-, propyl ester	28829-94-9	C5H12ClO2P	2931.00
2B04	Phosphonochloridic acid, ethyl-, 1-methylethyl ester	28829-95-0	C5H12ClO2P	2931.00
2B04	Phosphonochloridic acid, propyl-, methyl ester	28829-99-4	C4H10ClO2P	2931.00
2B04	Phosphonochloridic acid, propyl-, ethyl ester	28830-00-4	C5H12ClO2P	2931.00
2B04	Phosphonochloridic acid, (1-methylethyl)-, methyl ester	28830-02-6	C4H10ClO2P	2931.00
2B04	Phosphonochloridic acid, (1-methylethyl)-, ethyl ester	28830-03-7	C5H12ClO2P	2931.00
2B04	2-Oxa-4-thia-7-aza-3-phosphaoctan-8-oic acid, 3,7-dimethyl-6-oxo-, methyl ester, 3-sulfide	29173-31-7	C7H14NO4PS2	2930.90
2B04	Phosphonothioic chloride fluoride, methyl-	27127-27-1	CH3CIFPS	2931.00
2B04	Phosphonodithioic acid, methyl-, S-[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] O-methyl ester	22243-91-0	C11H12NO3PS2	2930.90
2B04	Phosphonothioic acid, (1-methylethyl)-, O-ethyl O-(4-nitrophenyl) ester	20978-45-4	C11H16NO4PS	2931.00
2B04	Phosphonic acid, methyl-, 2-(4-methoxyphenyl)-2-oxoethyl 4-nitrophenyl ester	21070-22-4	C16H16NO7P	2931.00
2B04	Phosphonic acid, methyl-, 2-(4-chlorophenyl)-2-oxoethyl 4-nitrophenyl ester	21070-23-5	C15H13ClNO6P	2931.00
2B04	Phosphonic acid, methyl-, 4-nitrophenyl 2-(4-nitrophenyl)-2-oxoethyl ester	21161-62-6	C15H13N2O8P	2931.00
2B04	Phosphonochloridic acid, ethyl-, methyl ester	21502-57-8	C3H8ClO2P	2931.00
2B04	Phosphonothioic acid, methyl-, S-(2-aminoethyl) ester	21852-16-4	C3H10NO2PS	2930.90
2B04	Phosphonic acid, propyl-, monoethyl ester	21921-96-0	C5H13O3P	2931.00
2B04	Phosphonothioic acid, methyl-, O,O-dipropyl ester	25371-75-9	C7H17O2PS	2931.00
2B04	Phosphinothioic acid, methyl-, S-[2-(diethylamino)ethyl] ester	22068-06-0	C7H18NOPS	2930.90
2B04	Phosphinic acid, methyl-, 2-methylpropyl ester	25296-66-6	C5H13O2P	2931.00
2B04	Phosphonothioic acid, isopropyl-, O-isopropyl O-(p-nitrophenyl) ester	22371-94-4	C12H18NO4PS	2931.00
2B04	Phosphonic acid, methyl-, ethyl 1-methylethyl ester	22583-43-3	C6H15O3P	2931.00
2B04	Phosphonic bromide fluoride, methyl-	23721-97-3	CH3BrFOP	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosponodithioic acid, ethyl-, O-propyl ester, S-ester with N-(mercaptomethyl)phthalimide	24017-17-2	C14H18NO3PS2	2930.90
2B04	Phosponodithioic acid, methyl-, O-isobutyl ester, S-ester with N-(mercaptomethyl)phthalimide	24017-18-3	C14H18NO3PS2	2930.90
2B04	Phosponodithioic acid, ethyl-, O-methyl ester, S-ester with N-(mercaptomethyl)phthalimide	24017-20-7	C12H14NO3PS2	2930.90
2B04	Phosponodithioic acid, ethyl-, O-ethyl ester, S-ester with N-(mercaptomethyl)phthalimide	24017-24-1	C13H16NO3PS2	2930.90
2B04	Phosponothioic acid, methyl-, S-ethyl O-(1-methylethyl) ester	32317-03-6	C6H15O2PS	2930.90
2B04	Phosphoramidic acid, [2-[(methoxymethylphosphinyl)thio]ethyl]-, bis(1-methylethyl) ester	21988-53-4	C10H25NO5P2S	2930.90
2B04	Phosponothioic acid, ethyl-, O-[2,4-dichloro-6-[(diethylamino)methyl]phenyl] ester	50335-09-6	C13H20Cl2NO2PS	2931.00
2B04	Phosponotrithioic acid, methyl-, diethyl ester	31650-57-4	C5H13PS3	2930.90
2B04	Phosphonic acid, methyl-, (5-ethyl-2-methyl-2-oxido-1,3,2-dioxaphosphorinan-5-yl)methyl methyl ester	41203-81-0	C9H20O6P2	2931.00
2B04	Phosponothioic acid, methyl-, S-[2-[(3-chlorophenyl)methylamino]ethyl] O-ethyl ester	41294-03-5	C12H19ClNO2PS	2930.90
2B04	Phosponothioic acid, methyl-, S-[2-[(4-chlorophenyl)methylamino]ethyl] O-ethyl ester	41294-06-8	C12H19ClNO2PS	2930.90
2B04	Benzenaminium, 4-chloro-N-[2-[(ethoxymethylphosphinyl)thio]ethyl]-N,N-dimethyl-, methyl sulfate	41294-13-7	C13H22ClNO2PS.CH3O4S	2930.90
2B04	Phosponotrithioic acid, ethyl-, ethyl (methylthio)methyl ester	41391-36-0	C6H15PS4	2930.90
2B04	Phosponotrithioic acid, ethyl-, (ethylthio)methyl methyl ester	41391-37-1	C6H15PS4	2930.90
2B04	Phosponothioic acid, ethyl-, S-butyl O-methyl ester	40618-52-8	C7H17O2PS	2930.90
2B04	Ethanaminium, 2-[(fluoromethylphosphinyl)oxy]-N,N,N-trimethyl-	44991-89-1	C6H16FNO2P	2931.00*
2B04	Phosponodithioic acid, methyl-, S,S-dimethyl ester	40145-83-3	C3H9OPS2	2930.90
2B04	Phosponochloridothioic acid, (1-methylethyl)-, O-methyl ester	50636-74-3	C4H10ClOPS	2931.00
2B04	Phosponodithioic acid, methyl-, O-(2,4-dichlorophenyl) S-(2-ethoxyethyl) ester	50869-34-6	C11H15Cl2O2PS2	2930.90
2B04	Phosponothioic acid, methyl-, O-ethyl S-methyl ester	51865-09-9	C4H11O2PS	2930.90
2B04	Phosphonic acid, methyl-, bis(tetrabromopropyl) ester	51868-11-2	C7H9Br8O3P	2931.00
2B04	Phosponothioic acid, (1-methylethyl)-, O,O-diethyl ester	52038-87-6	C7H17O2PS	2931.00

Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonothioic acid, methyl-, O-ethyl O-methyl ester	53156-14-2	C4H11O2PS	2931.00
2B04	Phosphonic acid, propyl-, monophenyl ester	53621-79-7	C9H13O3P	2931.00
2B04	Phosphonochloridothioic acid, propyl-, O-ethyl ester	53621-83-3	C5H12ClOPS	2931.00
2B04	Phosphonic acid, methyl-, bis[(5-ethyl-2-methyl-2-oxido-1,3,2-dioxaphosphorinan-5-yl)methyl] ester	42595-45-9	C15H31O9P3	2931.00]
2B04	Phosphonothioic acid, methyl-, O,S-dimethyl ester, (S)-	79236-72-9	C3H9O2PS	2930.90
2B04	Phosphonic acid, propyl-, monomethyl ester	53621-95-7	C4H11O3P	2931.00
2B04	1,3,5,2,4,6-Triazatriphosphorine, 2,4,6-trichloro-2,2,4,4,6,6-hexahydro-2,4,6-trimethyl-	32997-23-2	C3H9Cl3N3P3	2931.00
2B04	Phosphonic acid, ethyl-, methyl p-tolyl ester	33232-85-8	C10H15O3P	2931.00
2B04	Phosphonic acid, ethyl-, p-chlorophenyl methyl ester	33232-87-0	C9H12ClO3P	2931.00
2B04	Phosphonic acid, ethyl-, methyl ester, ester with p-hydroxybenzonnitrile	33232-88-1	C10H12NO3P	2931.00
2B04	Phosphonic acid, ethyl-, methyl p-(methylsulfonyl)phenyl ester	33267-37-7	C10H15O5PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-[2-(methylphenylamino)ethyl] ester	34256-72-9	C12H20NO2PS	2930.90
2B04	Phosphonothioic bromide chloride, methyl-	40931-89-3	CH3BrClPS	2931.00
2B04	Phosphonochloridodithioic acid, methyl-, propyl ester	35506-30-0	C4H10ClPS2	2930.90
2B04	Phosphonothioic acid, methyl-, S-ethyl O-methyl ester	32317-02-5	C4H11O2PS	2930.90
2B04	Phosphonodithioic acid, ethyl-, S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O-methyl ester	35575-92-9	C10H12ClN2O3PS2	2934.99
2B04	Phosphonamidothioic acid, P-ethyl-N-(1-oxobutyl)-, S-ethyl ester	67242-42-6	C8H18NO2PS	2930.90
2B04	Phosphonodithioic acid, methyl-, S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O-methyl ester	37419-16-2	C9H10ClN2O3PS2	2934.99
2B04	Phosphonodithioic acid, ethyl-, S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O-ethyl ester	37429-95-1	C11H14ClN2O3PS2	2934.99
2B04	Phosphonothioic acid, ethyl-, O-(1,6-dihydro-5-methoxy-1-methyl-6-oxo-4-pyridazinyl) O-ethyl ester	37840-66-7	C10H17N2O4PS	2933.99
2B04	Phosphonic bromide chloride, methyl-	38143-90-7	CH3BrClOP	2931.00
2B04	Phosphonic acid, methyl-, ethyl 5,5,5-trichloropentyl ester	38672-36-5	C8H16Cl3O3P	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Benzenaminium, 3-chloro-N-[2-[(ethoxymethylphosphinyl)thio]ethyl]-N,N-dimethyl-, methyl sulfate	39928-05-7	C13H22ClNO2PS.CH3O4S	2930.90
2B04	Phosponamidothioic acid, P-ethyl-, O-[3-methyl-4-(methylthio)phenyl] ester	35335-60-5	C10H16NOPS2	2930.90
2B04	Phosponothioic acid, methyl-, O-(1-methylethyl) ester, sodium salt	92475-33-7	C4H11O2PS.Na	2931.00
2B04	Phosponochloridodithioic acid, methyl-, 1,1-dimethylethyl ester	79220-12-5	C5H12ClPS2	2930.90
2B04	Phosponothioic diiodide, methyl-	29725-95-9	CH3I2PS	2931.00
2B04	Phosponothioic acid, methyl-, O-(1-methylethyl) S-propyl ester	10552-86-0	C7H17O2PS	2930.90
2B04	Phosphonic acid, methyl-, bis(1,2,2-trimethylpropyl) ester	7040-58-6	C13H29O3P	2931.00
2B04	Phosponofluoridothioic acid, methyl-, O-cyclohexyl ester	4241-34-3	C7H14FOPS	2931.00
2B04	Phosponous dichloride, (1-methylethyl)-	25235-15-8	C3H7Cl2P	2931.00
2B04	Phosponothioic acid, methyl-, O-ethyl ester, sodium salt	22307-81-9	C3H9O2PS.Na	2931.00
2B04	Phosponothioic acid, ethyl-, anhydride with ethyl phosphonic acid, dipentyl ester	109438-26-8	C14H32O4P2S	2931.00
2B04	Phosponothioic acid, methyl-, O-ethyl S-propyl ester, (.+.-)-	65142-99-6	C6H15O2PS	2930.90
2B04	Phosponothioic acid, methyl-, O-propyl ester, sodium salt	51825-84-4	C4H11O2PS.Na	2931.00
2B04	Phosponothioic acid, methyl-, O-ethyl S-[[1-(1-methylethyl)thio]methyl] ester	104685-24-7	C7H17O2PS2	2930.90
2B04	Phosponothioic acid, methyl-, O-methyl ester, sodium salt	74789-31-4	C2H7O2PS.Na	2931.00
2B04	Phosponothioic acid, methyl-, O-ethyl O-(1-methylethyl) ester	113411-07-7	C6H15O2PS	2931.00
2B04	Phosphoranetriamine, 1-ethyl-1-iodo-N,N',N'',N''',N''-hexamethyl-	113687-04-0	C8H23IN3P	2931.00
2B04	Phosponobromidodithioic acid, ethyl-, propyl ester	114809-63-1	C5H12BrPS2	2930.90
2B04	Phosponofluoridic acid, ethyl-, 1,2,2-trimethylpropyl ester	97931-20-9	C8H18FO2P	2931.00
2B04	Phosphonic acid, methyl-, aluminum salt (3:1)	114109-72-7	CH5O3P.1/3Al	2931.00
2B04	Phosponamidic acid, N,N'-1,2-ethanedylbis[P-(1-methylethyl)-], disodium salt	3520-76-1	C8H22N2O4P2.Na2	2931.00
2B04	Phosponous acid, methyl-, monoethyl ester	89034-24-2	C3H9O2P	2931.00

Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonothioic acid, (1-methylethyl)-, O,S-diethyl ester	110543-75-4	C7H17O2PS	2930.90
2B04	2-Oxa-4,6-dithia-3-phosphaoctan-8-oic acid, 3-methyl-, butyl ester, 3-oxide	102585-58-0	C9H19O4PS2	2930.90
2B04	Phosphonotrithioic acid, ethyl-, ethyl methyl ester	93075-69-5	C5H13PS3	2930.90
2B04	Quinolinium, 7-[(ethoxymethylphosphinyl)oxy]-1-methyl-, iodide	95230-44-7	C13H17NO3P.I	2933.49
2B04	Phosphonothioic acid, propyl-, O,O-diethyl ester	98425-05-9	C7H17O2PS	2931.00
2B04	Phosphonothioic acid, ethyl-, O,O-diisopropyl ester	98545-29-0	C8H19O2PS	2931.00
2B04	Phosphonic acid, isopropyl-, ethyl isopropyl ester	98545-34-7	C8H19O3P	2931.00
2B04	Phosphonothioic acid, isopropyl-, O,O-diisopropyl ester	98958-62-4	C9H21O2PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-[2-(diethylamino)ethyl] O-(2-methylpropyl) ester	172825-49-9	C11H26NO2PS	2931.00
2B04	Phosphonic acid, methyl-d3-, mono(1,2,2-trimethylpropyl) ester	172023-63-1	C7H14D3O3P	2845.90
2B04	Phosphonothioic acid, ethyl-, O-ethyl S-phenyl ester, (.+-)-	62680-05-1	C10H15O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-(1-methylethyl) S-propyl ester	102388-59-0	C7H17O2PS	2930.90
2B04	Phosphonic acid, ethyl-, zinc salt (1:1), monohydrate	115320-63-3	C2H5O3P.H2O.Zn	2931.00
2B04	Glycine, N-[(ethoxymethylphosphinyl)thio]acetyl]-, ethyl ester, (.+-)-	79494-63-6	C9H18NO5PS	2930.90
2B04	Phosphonochloridic acid, ethyl-, ethyl ester, (.+-)-	7331-88-6	C4H10ClO2P	2931.00
2B04	Phosphonodithioic acid, methyl-, O,O-diethylester	6696-81-2		**
2B04	Phosphonothioic acid, methyl-, O-ethyl S-pentyl ester, (.+-)-	65143-02-4	C8H19O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, S-butyl O-ethyl ester, (.+-)-	65143-01-3	C7H17O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-methyl S-[(methylthio)methyl] ester	104685-21-4	C4H11O2PS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-methyl S-[(1-methylethyl)thio]methyl] ester	104685-22-5	C6H15O2PS2	2930.90
2B04	Phosphonothioic acid, methyl-, S-[(1,1-dimethylethyl)thio]methyl] O-methyl ester	104685-23-6	C7H17O2PS2	2930.90
2B04	Phosphonothioic acid, propyl-, O,O-dipropyl ester	100860-56-8	C9H21O2PS	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonic acid, methyl-, mono[3-(trihydroxysilyl)propyl] ester, monosodium salt	84962-98-1	C4H13O6PSi.Na	2931.00
2B04	Phosphonic acid, methyl-, dimethyl ester, polymer with tris(2-chloroethyl) phosphate	67325-77-3		**
2B04	Phosphonic acid, methyl-, dipotassium salt	77354-28-0	CH5O3P.2K	2931.00
2B04	Phosphonothioic acid, methyl-, O-ethyl ester, compd. with N-cyclohexylcyclohexanamine (1:1)	73790-51-9	C12H23N.C3H9O2PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-[2-(diethylamino)ethyl] ester	171841-16-0	C7H18NO2PS	2931.00
2B04	1,3,5,2,4,6-Trioxatriphosphorinane, 2,4,6-tripropyl-, 2,4,6-trioxide, polymer with oxirane	68957-95-9		**
2B04	Phosphonic acid, ethenyl-, bis(2-chloroethyl) ester, polymer with dimethyl methylphosphonate	41222-33-7		**
2B04	Phosphonic acid, methyl-, dimethyl ester, polymer with oxirane and phosphorus oxide (P2O5)	70715-06-9		**
2B04	Ammonium, (2-hydroxypropyl)trimethyl-, iodide, methylphosphonofluoridate	3873-20-9	C7H18FNO2P.I	2931.00
2B04	Phosphonous acid, (1-methylethyl)-, diethyl ester	61820-31-3	C7H17O2P	2931.00
2B04	Phosphorus(1+), bis(N-methylmethanaminato)methyl(1,4,7,10-tetraoxa-13-azacyclopentadecanato-N)-, iodide, (T-4)-	139194-04-0	C15H35N3O4P.I	2934.99
2B04	Phosphonodithioic acid, ethyl-, S,S-dipropyl ester	150096-94-9	C8H19OPS2	2930.90
2B04	Phosphonic acid, methyl-, monomethyl ester, aluminum salt	35851-62-8	C2H7O3P.1/3Al	2931.00
2B04	Phosphonic acid, methyl-, mono[3-(trihydroxysilyl)propyl] ester, monosodium salt, reaction products with sodium silicate	125229-70-1	C4H13O6PSi.Na	3824.90
2B04	Phosphonothioic acid, methyl-, O-[2-(dimethylamino)ethyl] ester	172201-98-8	C5H14NO2PS	2931.00
2B04	Phosphonic acid, (1-methylethyl)-, disodium salt	77354-29-1	C3H9O3P.2Na	2931.00
2B04	Phosphonic acid, propyl-, disodium salt	53622-06-3	C3H9O3P.2Na	2931.00
2B04	Phosphonic acid, ethyl-, monosodium salt	52583-30-9	C2H7O3P.Na	2931.00
2B04	Phosphonic acid, methyl-, iron(3+) salt (4:1)	132333-14-3	CH5O3P.1/4Fe	2931.00
2B04	Phosphonic dichloride, butyl-	2302-80-9	C4H9Cl2OP	2931.00
2B04	Phosphorus(1+), methyltriphenoxy-, iodide, (T-4)-	17579-99-6	C19H18O3P.I	2931.00
2B04	Phosphinic acid, methyl-, 2-methylbutyl ester	130713-83-6	C6H15O2P	2931.00

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2B04	Phosphonobromidothioic acid, methyl-, O-isopropyl ester	90586-58-6	C4H10BrOPS	2931.00
2B04	Phosphonic acid, methyl-, monomethyl ester, monosodium salt	73750-69-3	C2H7O3P.Na	2931.00
2B04	Uridine, 5-bromo-2'-deoxy-, 5'-(hydrogen methylphosphonate), monoammonium salt	37571-18-9	C10H14BrN2O7P.H3N	2934.99
2B04	Phosphorus(1+), tris(N-butyl-1-butanaminato)methyl-, bromide, (T-4)-	73790-46-2	C25H57N3P.Br	2931.00
2B04	Phosphonic acid, methyl-, zinc salt (2:1)	4906-99-4	CH5O3P.1/2Zn	2931.00
2B04	Phosphonic acid, methyl-, magnesium salt (2:1)	4906-98-3	CH5O3P.1/2Mg	2931.00
2B04	Phosphonic acid, methyl-, calcium salt (2:1)	4906-78-9	CH5O3P.1/2Ca	2931.00
2B04	Phosphonic acid, methyl-, compd. with (aminoiminomethyl)urea (1:1)	84402-58-4	C2H6N4O.CH5O3P	2931.00
2B04	Benzenaminium, 4-chloro-N-[2-[(ethoxymethylphosphinyl)thio]ethyl]-N,N-dimethyl-, methyl sulfate	41294-13-7	C13H22ClNO2PS.CH3O4S	2930.90
2B04	Phosphonic acid, methyl-, mono(1-methylethyl) ester, sodium salt	6838-93-3	C4H11O3P.Na	2931.00
2B04	Benzenaminium, 3-chloro-N-[2-[(ethoxymethylphosphinyl)thio]ethyl]-N,N-dimethyl-, methyl sulfate	39928-05-7	C13H22ClNO2PS.CH3O4S	2930.90
2B04	Phosphonic acid, methyl-, monosodium salt	2914-38-7	CH5O3P.Na	2931.00
2B04	Phosphonic acid, methyl-, monoammonium salt	34255-87-3	CH5O3P.H3N	2931.00
2B04	Phosphonodithioic acid, methyl-, S-ethyl S-propyl ester	131453-92-4	C6H15OPS2	2930.90
2B04	Phosphonothioic difluoride, (1-methylethyl)-	135445-16-8	C3H7F2PS	2931.00
2B04	Phosphorus(1+), .mu.-1,4,10,13-tetraoxa-7,16-diazacyclooctadecane-7,16-diyltetrakis(N-methylmethanaminato)dimethyl-, diiodide	139194-01-7	C22H54N6O4P2.2I	2934.99
2B04	Phosphorus(1+), .mu.-1,4,10,13-tetraoxa-7,16-diazacyclooctadecane-7,16-diyldifluorobis(N-methylmethanaminato)dimethyl-, diiodide	139194-05-1	C18H42F2N4O4P2.2I	2934.99
2B04	Phosphonic acid, ethyl-, methyl 1-methylethyl ester	141968-53-8	C6H15O3P	2931.00
2B04	Phosphonodithioic acid, ethyl-, S-methyl S-propyl ester	150096-92-7	C6H15OPS2	2930.90
2B04	Phosphonic acid, methyl-, disodium salt	20677-21-8	CH5O3P.2Na	2931.00
2B04	Phosphonic acid, (ethylsulfinyl)methyl-, ethyl ester	128869-79-4	C5H13O3PS	2930.90
2B04	3-Oxa-5,7-dithia-4-phosphanon-9-ic acid, 4-methyl-, 2-methylpropyl ester, 4-oxide	74789-26-7	C10H21O4PS2	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	7-Oxa-3,5-dithia-6-phosphatetradecanoic acid, 6-methyl-, methyl ester, 6-oxide	72720-11-7	C12H25O4PS2	2930.90
2B04	7-Oxa-3,5-dithia-6-phosphadodecanoic acid, 6-methyl-, methyl ester, 6-oxide	72720-12-8	C10H21O4PS2	2930.90
2B04	7-Oxa-3,5-dithia-6-phosphatridecanoic acid, 6-methyl-, methyl ester, 6-oxide	72720-13-9	C11H23O4PS2	2930.90
2B04	7-Oxa-3,5-dithia-6-phosphapentadecanoic acid, 6-methyl-, methyl ester, 6-oxide	72720-14-0	C13H27O4PS2	2930.90
2B04	Phosphonic acid, propyl-, di-2-propenyl ester	73790-31-5	C9H17O3P	2931.00
2B04	1H-1,3,2-Benzodiazaphosphole, 5-chloro-2-ethyl-2,3-dihydro-, 2-oxide	73790-34-8	C8H10ClN2OP	2934.99
2B04	Phosphonic acid, ethyl-, 4-(aminocarbonyl)phenyl ethyl ester	74038-41-8	C11H16NO4P	2931.00
2B04	2-Oxa-4,6-dithia-3-phosphaoctan-8-oic acid, 3-methyl-, methyl ester, 3-oxide	74789-22-3	C6H13O4PS2	2930.90
2B04	Phosphonochloridodithioic acid, ethyl-, 1,1-dimethylethyl ester	78570-13-5	C6H14ClPS2	2930.90
2B04	3-Oxa-5,7-dithia-4-phosphanonan-9-oic acid, 4-methyl-, ethyl ester, 4-oxide	74789-25-6	C8H17O4PS2	2930.90
2B04	Phosphinothioic acid, methyl-4-morpholinyl-, S-[2-(diethylamino)ethyl] ester	71293-92-0	C11H25N2O2PS	2934.99
2B04	7-Oxa-3,5-dithia-6-phosphadecanoic acid, 6-methyl-, methyl ester, 6-oxide	74789-27-8	C8H17O4PS2	2930.90
2B04	7-Oxa-3,5-dithia-6-phosphaundecanoic acid, 6-methyl-, methyl ester, 6-oxide	74789-28-9	C9H19O4PS2	2930.90
2B04	7-Oxa-3,5-dithia-6-phosphadecanoic acid, 6,9-dimethyl-, methyl ester, 6-oxide	74789-29-0	C9H19O4PS2	2930.90
2B04	7-Oxa-3,5-dithia-6-phosphadecanoic acid, 6,9-dimethyl-, 2-methylpropyl ester, 6-oxide	74789-30-3	C12H25O4PS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl O-(2,4,6-trichlorophenyl) ester	76203-96-8	C9H10Cl3O2PS	2931.00
2B04	Phosphonotrithioic acid, methyl-, di-2-propenyl ester	76538-18-6	C7H13PS3	2930.90
2B04	Phosphonochloridothioic acid, propyl-, O-(1-methylethyl) ester	77529-46-5	C6H14ClOPS	2931.00
2B04	Phosphonothioic acid, [[[ethoxyethylphosphinothioyl]oxy]methyl]-, O,O-dimethyl ester	91772-41-7	C7H18O4P2S2	2931.00
2B04	3-Oxa-5,7-dithia-4-phosphanonan-9-oic acid, 4-methyl-, methyl ester, 4-oxide	74789-24-5	C7H15O4PS2	2930.90
2B04	Phosphonodithioic acid, methyl-, S-(diphenylmethyl) O-octyl ester	68640-55-1	C22H31OPS2	2930.90
2B04	Phosphonamidothioic acid, P-ethyl-N-(1-oxopentyl)-, S-methyl ester	67242-45-9	C8H18NO2PS	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosponamidothioic acid, P-ethyl-N-(3-methyl-1-oxo-2-butenyl)-, S-methyl ester	67242-47-1	C8H16NO2PS	2930.90
2B04	Phosponamidothioic acid, P-methyl-N-(tetrahydro-2-furanyl)-, S-methyl ester	67242-48-2	C6H14NO2PS	2932.19
2B04	Phosponamidodithioic acid, P-ethyl-N-methyl-, methyl ester	67242-50-6	C4H12NPS2	2930.90
2B04	Phosponamidodithioic acid, P-ethyl-N,N-dimethyl-, methyl ester	67242-51-7	C5H14NPS2	2930.90
2B04	Phosponamidothioic acid, P-methyl-, S-methyl ester	67242-52-8	C2H8NOPS	2930.90
2B04	Phosponodithioic acid, ethyl-, S-phenyl ester	67293-69-0	C8H11OPS2	2930.90
2B04	Phosponous acid, methyl-, mono(1-methylethyl) ester	67538-57-2	C4H11O2P	2931.00
2B04	Diphosphonic acid, dipropyl-	71760-04-8	C6H16O5P2	2931.00
2B04	Phosphonic acid, methyl-, bis[3-(trimethoxysilyl)propyl] ester	67812-18-4	C13H33O9PSi2	2931.00
2B04	Phosphinic acid, methyl-4-morpholinyl-, 2-(diethylamino)ethyl ester	71410-68-9	C11H25N2O3P	2934.99
2B04	Phosponodithioic acid, methyl-, S-(diphenylmethyl) O-ethyl ester	68640-57-3	C16H19OPS2	2930.90
2B04	1,3,5,2,4,6-Trioxatriphosphorinane, 2,4,6-tripropyl-, 2,4,6-trioxide	68957-94-8	C9H21O6P3	2931.00
2B04	1-Propanaminium, N,N,N-trimethyl-3-[(1-oxo-9-octadecenyl)amino]-, (Z)-, methyl methylphosphonate	70055-71-9	C24H49N2O.C2H6O3P	2931.00
2B04	Phosponothioic acid, ethyl-, O,O-dipropyl ester	70677-22-4	C8H19O2PS	2931.00
2B04	Phosphonic acid, ethyl-, butyl 4-nitrophenyl ester	71002-67-0	C12H18NO5P	2931.00
2B04	Phosphonic acid, methyl-, 1-methylethyl 2-(1-piperidinyl)ethyl ester	71293-83-9	C11H24NO3P	2933.39
2B04	Phosphonic acid, methyl-, cyclohexyl 2-(diethylamino)ethyl ester	71293-85-1	C13H28NO3P	2931.00
2B04	Phosphonic acid, methyl-, cyclohexyl 2-(dipropylamino)ethyl ester	71293-86-2	C15H32NO3P	2931.00
2B04	Phosponodithioic acid, ethyl-, S-(1,1-dimethylethyl) O-ethyl ester	78570-14-6	C8H19OPS2	2930.90
2B04	Phosphonic acid, methyl-, methyl 3-(trimethoxysilyl)propyl ester	67812-17-3	C8H21O6PSi	2931.00
2B04	Phosponothioic acid, methyl-, O,S-diisopropyl ester	89980-23-4	C7H17O2PS	2930.90
2B04	Phosponothioic acid, methyl-, O-methyl O-(3-methylphenyl) ester	82980-43-6	C9H13O2PS	2931.00

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2B04	Phosphonothioic acid, (1-methylethyl)-, O-methyl O-[3-methyl-4-(methylsulfinyl)phenyl] ester	82980-44-7	C12H19O3PS2	2930.90
2B04	Phosphonothioic acid, ethyl-, O,S-dimethyl ester	84044-17-7	C4H11O2PS	2930.90
2B04	Phosphinic acid, methyl-, hexyl ester	85187-13-9	C7H17O2P	2931.00
2B04	Phosphinic acid, methyl-, pentyl ester	87025-52-3	C6H15O2P	2931.00
2B04	Phosphonobromidothioic acid, methyl-, O-ethyl ester	88892-99-3	C3H8BrOPS	2931.00
2B04	Phosphonous acid, methyl-, 2-aminoethyl ester	89166-63-2	C3H10NO2P	2931.00
2B04	Phosphonothioic acid, methyl-, O-[2-(dimethylamino)ethyl] S-methyl ester	89280-63-7	C6H16NO2PS	2930.90
2B04	Glycine, N-[[ethoxymethylphosphinyl]thio]acetyl-, ethyl ester	77890-13-2	C9H18NO5PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-[2-(dimethylamino)ethyl] S-ethyl ester	89893-76-5	C7H18NO2PS	2930.90
2B04	1-Propanaminium, 2-[(fluoromethylphosphinyl)oxy]-N,N,N-trimethyl-	79351-08-9	C7H18FNO2P	2931.00*
2B04	Phosphonothioic acid, methyl-, O,S-dipropyl ester	90220-14-7	C7H17O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, O,S-dipropyl ester	90220-15-8	C8H19O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, O-methyl S-propyl ester	90220-16-9	C6H15O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, S-methyl O-propyl ester	90220-17-0	C6H15O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, O-butyl S-methyl ester	90220-18-1	C7H17O2PS	2930.90
2B04	Phosphonothioic acid, propyl-, O,S-dimethyl ester	90220-19-2	C5H13O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, S-ethyl O-methyl ester	90245-33-3	C5H13O2PS	2930.90
2B04	Phosphonamidothioic acid, P-ethyl-N-(2-methyl-1-oxopropyl)-, S-methyl ester	67242-43-7	C7H16NO2PS	2930.90
2B04	Phosphonothioic acid, methyl-, S-methyl O-(1-methylethyl) ester	89282-92-8	C5H13O2PS	2930.90
2B04	Phosphonodithioic acid, ethyl-, S-(1-methylpropyl) O-propyl ester	78570-26-0	C9H21OPS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, S-(1,1-dimethylethyl) O-methyl ester	78570-15-7	C7H17OPS2	2930.90
2B04	Phosphonodithioic acid, methyl-, S-(1,1-dimethylethyl) O-ethyl ester	78570-17-9	C7H17OPS2	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonodithioic acid, methyl-, S-(1,1-dimethylethyl) O-propyl ester	78570-18-0	C8H19OPS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, S-(1,1-dimethylethyl) O-propyl ester	78570-19-1	C9H21OPS2	2930.90
2B04	Phosphonodithioic acid, methyl-, S-(1,1-dimethylethyl) O-(1-methylethyl) ester	78570-20-4	C8H19OPS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, S-(1,1-dimethylethyl) O-(1-methylethyl) ester	78570-21-5	C9H21OPS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, O-methyl S-(1-methylpropyl) ester	78570-22-6	C7H17OPS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, O-methyl S-(2-methylpropyl) ester	78570-23-7	C7H17OPS2	2930.90
2B04	Glycine, N-[(ethoxymethylphosphinyl)thio]acetyl-, ethyl ester, (R)-	79548-51-9	C9H18NO5PS	2930.90
2B04	Phosphonodithioic acid, ethyl-, O-ethyl S-(1-methylpropyl) ester	78570-25-9	C8H19OPS2	2930.90
2B04	Glycine, N-[(ethoxymethylphosphinyl)thio]acetyl-, ethyl ester, (S)-	79548-50-8	C9H18NO5PS	2930.90
2B04	Phosphonodithioic acid, ethyl-, O,S-bis(1-methylpropyl) ester	78570-27-1	C10H23OPS2	2930.90
2B04	Phosphonotrithioic acid, ethyl-, 1-methylethyl propyl ester	79100-73-5	C8H19PS3	2930.90
2B04	Phosphonotrithioic acid, ethyl-, methyl propyl ester	79106-86-8	C6H15PS3	2930.90
2B04	Phosphonotrithioic acid, ethyl-, ethyl propyl ester	79106-87-9	C7H17PS3	2930.90
2B04	Phosphonotrithioic acid, ethyl-, ethyl 1-methylethyl ester	79106-88-0	C7H17PS3	2930.90
2B04	Phosphonothioic acid, methyl-, O,S-dimethyl ester, (R)-	79236-71-8	C3H9O2PS	2930.90
2B04	Phosphonic acid, methyl-, ethyl methyl ester	18755-36-7	C4H11O3P	2931.00
2B04	1-Propanaminium, 3-[(fluoromethylphosphinyl)oxy]-N,N,N-trimethyl-	79351-07-8	C7H18FNO2P	2931.00*
2B04	Phosphonochloridothioic acid, isopropyl-, O-propyl ester	91725-42-7	C6H14ClOPS	2931.00
2B04	Phosphonodithioic acid, ethyl-, O-ethyl S-(1-methylethyl) ester	78570-24-8	C7H17OPS2	2930.90
2B04	Imidocarbonyl chloride, hydroxy-, propyl methylphosphonate	18796-79-7	C5H10Cl2NO3P	2931.00
2B04	Phosphonofluorodithioic acid, methyl-, 1-methylethyl ester	659-94-9	C4H10FPS2	2930.90
2B04	Adenosine, cyclic 3',5'-(methylphosphonate)	117571-83-2	C11H14N5O5P	2934.99

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2B04	Guanosine, P,2'-dideoxy-P-methylcytidyl-(3'.fwdarw.5')-, (R)-	128312-31-2	C20H27N8O9P	2934.99
2B04	Adenosine, cyclic 3',5'-(methylphosphonothioate)	130320-50-2	C11H14N5O4PS	2934.99
2B04	Thymidine, P-deoxy-P-methylthymidyl-(3'.fwdarw.5')-P-deoxy-P-methylthymidyl-(3'.fwdarw.5')-P-deoxy-P-methylthymidyl-(3'.fwdarw.5')-P-deoxy-P-methylthymidyl-(3'.fwdarw.5')-P-deoxy-P-methylthymidyl-(3'.fwdarw.5')-P-deoxy-P-methylthymidyl-(3'.fwdarw.5')-P-deoxy-P-methylthymidyl-(3'.fwdarw.5')	131900-31-7	C87H119N16O47P7	2934.99
2B04	Thymidine, 5'-(hydrogen methylphosphonate), monoanhydride with diphosphoric acid	138989-23-8	C11H19N2O13P3	2934.99
2B04	Thymidine, 3'-deoxy-3'-fluoro-, 5'-(hydrogen methylphosphonate), monoanhydride with diphosphoric acid	139459-42-0	C11H18FN2O12P3	2934.99
2B04	Thymidine, P-deoxy-P-methylthymidyl-(3'.fwdarw.5')-4-thio-, (S)-	151165-76-3	C21H29N4O10PS	2934.99
2B04	Phosphonic acid, methyl-, mono(1,2-dimethylpropyl) ester	151299-67-1	C6H15O3P	2931.00
2B04	Phosphinic acid, ethyl-, .alpha.-methylbenzyl ester	5074-90-8	C10H15O2P	2931.00
2B04	Phosponofluoridic acid, methyl-, 3-(1-pyrenyl)propyl ester	114942-11-9	C20H18FO2P	2931.00
2B04	Phosponodithioic acid, methyl-, S-[(2,4-dichlorophenoxy)methyl] O-methyl ester	18596-64-0	C9H11Cl2O2PS2	2930.90
2B04	Phosponothioic acid, methyl-, O-(2,6-dichlorophenyl) O-methyl ester	112905-16-5	C8H9Cl2O2PS	2931.00
2B04	Imidocarbonyl chloride, hydroxy-, ethyl methylphosphonate	18796-80-0	C4H8Cl2NO3P	2931.00
2B04	Phosponothioic acid, ethyl-, O-ethyl O-(2,4,5-trichlorophenyl) ester	327-98-0	C10H12Cl3O2PS	2931.00
2B04	Phosponothioic acid, ethyl-, O-(2-chloro-4-nitrophenyl) O-(1-methylethyl) ester	328-04-1	C11H15ClNO4PS	2931.00
2B04	Phosponodithioic acid, ethyl-, S-[4-(1,1-dimethylethyl)phenyl] O-ethyl ester	329-21-5	C14H23OPS2	2930.90
2B04	Phosponodithioic acid, ethyl-, O-ethyl S-(4-methylphenyl) ester	333-43-7	C11H17OPS2	2930.90
2B04	Phosponous difluoride, ethyl-	430-78-4	C2H5F2P	2931.00
2B04	Aziridine, 1,1'-(methylphosphinylidene)bis-	465-60-1	C5H11N2OP	2933.99
2B04	Phosponothioic acid, methyl-, O-ethyl O-[2-(5-methyl-1,3,4-oxadiazol-2-yl)-1-(trifluoromethyl)ethenyl] ester	84505-60-2	C9H12F3N2O3PS	2934.99
2B04	Phosphonic acid, ethyl-, ethyl 4-nitrophenyl ester	546-71-4	C10H14NO5P	2931.00
2B04	Phosphonic acid, methyl-, bis(2,4-dimethylphenyl) ester	88847-64-7	C17H21O3P	2931.00

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2B04	Phosphonic acid, ethyl-, diethyl ester	78-38-6	C6H15O3P	2931.00
2B04	Phosponofluoridic acid, methyl-, 5-(7-nitro-2,1,3-benzoxadiazol-4-yl)pentyl ester	92457-51-7	C12H15FN3O5P	2934.99
2B04	Phosphonothioic acid, methyl-, O,O-bis(2-fluoroethyl) ester	1598-82-9	C5H11F2O2PS	2931.00
2B04	Phosphonic acid, methyl-, bis(3,5-dimethylphenyl) ester	88847-66-9	C17H21O3P	2931.00
2B04	Phosphonic acid, methyl-, bis(2,4,5-trichlorophenyl) ester	88847-67-0	C13H7Cl6O3P	2931.00
2B04	Phosphonic acid, methyl-, bis(pentachlorophenyl) ester	88847-68-1	C13H3Cl10O3P	2931.00
2B04	Phosponodithioic acid, methyl-, S-propyl O-(2,2,2-trifluoroethyl) ester	91168-87-5	C6H12F3OPS2	2930.90
2B04	Phosponodithioic acid, ethyl-, S-(1-methylpropyl) O-(2,2,2-trifluoroethyl) ester	91168-88-6	C8H16F3OPS2	2930.90
2B04	Phosponodithioic acid, ethyl-, S-propyl O-(2,2,2-trifluoroethyl) ester	91168-89-7	C7H14F3OPS2	2930.90
2B04	Phosponodithioic acid, methyl-, S-(1-methylpropyl) O-(2,2,2-trifluoroethyl) ester	91168-91-1	C7H14F3OPS2	2930.90
2B04	Phosphonothioic acid, methyl-, S-propyl O-(2,2,2-trifluoroethyl) ester	91168-94-4	C6H12F3O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, S-propyl O-(2,2,2-trifluoroethyl) ester	91168-95-5	C7H14F3O2PS	2930.90
2B04	Thymidine, 3'-(hydrogen methylphosphonothioate)	117020-20-9	C11H17N2O6PS	2934.99
2B04	Phosphonothioic acid, methyl-, S-(1-methylpropyl) O-(2,2,2-trifluoroethyl) ester	91168-98-8	C7H14F3O2PS	2930.90
2B04	Phosponofluoridithioic acid, methyl-, S-ethyl ester	673-98-3	C3H8FOPS	2930.90
2B04	Phosponofluoridic acid, methyl-, 2-[(7-nitro-2,1,3-benzoxadiazol-4-yl)amino]ethyl ester	96304-84-6	C9H10FN4O5P	2934.99
2B04	Phosponofluoridic acid, methyl-, 5-[(7-nitro-2,1,3-benzoxadiazol-4-yl)amino]pentyl ester	96304-85-7	C12H16FN4O5P	2934.99
2B04	Phosponofluoridithioic acid, methyl-, O-(1,2,2-trimethylpropyl) ester	97931-17-4	C7H16FOPS	2931.00
2B04	1H-Benzotriazole, 1,1'-[(methylphosphinylidene)bis(oxy)]bis-	103215-29-8	C13H11N6O3P	2933.99
2B04	Phosphonothioic acid, ethyl-, O,S-dimethyl ester, (R)-	108711-95-1	C4H11O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, O,S-dimethyl ester, (S)-	108711-96-2	C4H11O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, O,S-diethyl ester, (S)-	108711-97-3	C6H15O2PS	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonothioic acid, ethyl-, O-methyl ester, (R)-	108813-12-3	C3H9O2PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-(2,5-dichlorophenyl) O-methyl ester	112905-14-3	C8H9Cl2O2PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-(2,5-dichlorophenyl) O-ethyl ester	112905-15-4	C9H11Cl2O2PS	2931.00
2B04	Phosphonothioic acid, ethyl-, S-(1-methylpropyl) O-(2,2,2-trifluoroethyl) ester	91168-96-6	C8H16F3O2PS	2930.90
2B04	Phosphonochloridothioic acid, ethyl-, O-ethyl ester	1497-68-3	C4H10ClOPS	2931.00
2B04	Phosphonothioic acid, methyl-, O-ethyl S-[2-(ethylthio)ethyl] ester	556-75-2	C7H17O2PS2	2930.90
2B04	Phosphonochloridic acid, methyl-, methyl ester	1066-52-0	C2H6ClO2P	2931.00
2B04	Phosphonic acid, methyl-, monomethyl ester	1066-53-1	C2H7O3P	2931.00
2B04	Phosphonic acid, ethyl-, bis(1-methylethyl) ester	1067-69-2	C8H19O3P	2931.00
2B04	Phosphonothioic acid, methyl-, S-(2,2-dimethylpropyl) O-ethyl ester	1068-26-4	C8H19O2PS	2930.90
2B04	Phosphonodithioic acid, methyl-, S,S-bis(1-methylethyl) ester	1071-07-4	C7H17OPS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-(2-methylpropyl) ester	1071-14-3	C7H17O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-propyl ester	1085-34-3	C10H14NO4PS	2931.00
2B04	Phosphonic acid, methyl-, bis(1-methylethyl) ester	1445-75-6	C7H17O3P	2931.00
2B04	Phosphonodithioic acid, (1-methylethyl)-, S,S-diethyl ester	1496-90-8	C7H17OPS2	2930.90
2B04	Phosphonodithious acid, methyl-, dipropyl ester	999-34-8	C7H17PS2	2930.90
2B04	Phosphonochloridothioic acid, ethyl-, O-propyl ester	1497-67-2	C5H12ClOPS	2931.00
2B04	Phosphonic acid, propyl-, dimethyl ester	18755-43-6	C5H13O3P	2931.00
2B04	Phosphonochloridothioic acid, ethyl-, O-methyl ester	1497-69-4	C3H8ClOPS	2931.00
2B04	Phosponous dichloride, ethyl-	1498-40-4	C2H5Cl2P	2931.00
2B04	Phosphonic dichloride, (1-methylethyl)-	1498-46-0	C3H7Cl2OP	2931.00
2B04	Phosphonothioic dichloride, (1-methylethyl)-	1498-60-8	C3H7Cl2PS	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosponofluoridodithioic acid, methyl-, butyl ester	1510-34-5	C5H12FPS2	2930.90
2B04	Phosponofluoridic acid, methyl-	1511-67-7	CH4FO2P	2931.00
2B04	Phosponodithioic acid, methyl-, O-ethyl S-2-fluoroethyl ester	1512-59-0	C5H12FOPS2	2930.90
2B04	Phosphonic acid, (1-methylethyl)-, diethyl ester	1538-69-8	C7H17O3P	2931.00
2B04	Phosponothioic acid, methyl-, S-(2-fluoroethyl) O-methyl ester	1550-62-5	C4H10FO2PS	2930.90
2B04	Phosponothioic acid, ethyl-, O-(2,4-dichlorophenyl) O-ethyl ester	1593-27-7	C10H13Cl2O2PS	2931.00
2B04	Phosponothioic acid, ethyl-, O-(4-chlorophenyl) O-ethyl ester	1497-39-8	C10H14ClO2PS	2931.00
2B04	Phosphonic chloride fluoride, methyl-	753-71-9	CH3ClFOP	2931.00
2B04	Phosponofluoridodithioic acid, methyl-, ethyl ester	673-99-4	C3H8FPS2	2930.90
2B04	Phosponous dichloride, methyl-	676-83-5	CH3Cl2P	2931.00
2B04	Phosphonic dichloride, methyl-	676-97-1	CH3Cl2OP	2931.00
2B04	Phosponothioic dichloride, methyl-	676-98-2	CH3Cl2PS	2931.00
2B04	Phosponothioic acid, methyl-, O,O-dimethyl ester	681-06-1	C3H9O2PS	2931.00
2B04	Phosponofluoridothioic acid, ethyl-, O-ethyl ester	682-89-3	C4H10FOPS	2931.00
2B04	Phosphonic acid, methyl-, diethyl ester	683-08-9	C5H13O3P	2931.00
2B04	Phosphonic acid, methyl-, methyl propyl ester	683-25-0	C5H13O3P	2931.00
2B04	Phosphonic acid, methyl-, methyl 1-methylethyl ester	690-64-2	C5H13O3P	2931.00
2B04	Phosphonic acid, methyl-, bis(5,5,5-trichloropentyl) ester	690-88-0	C11H19Cl6O3P	2931.00
2B04	Phosponothioic acid, methyl-, S-ethyl O-propyl ester	20687-07-4	C6H15O2PS	2930.90
2B04	Phosponous difluoride, methyl-	753-59-3	CH3F2P	2931.00
2B04	Phosphonic acid, methyl-, bis(2,3-dimethylphenyl) ester	88847-63-6	C17H21O3P	2931.00
2B04	Phosponothioic difluoride, methyl-	753-72-0	CH3F2PS	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonothioic difluoride, ethyl-	753-99-1	C2H5F2PS	2931.00
2B04	Phosphonic acid, methyl-, dimethyl ester	756-79-6	C3H9O3P	2931.00
2B04	Phosphonodithioic acid, isopropyl-, O-ethyl ester, S-ester with .alpha.-mercapto-p-tolunitrile	786-15-2	C13H18NOPS2	2930.90
2B04	Phosphonic chloride fluoride, ethyl-	865-61-2	C2H5ClFOP	2931.00
2B04	1,3,2-Dioxaphosphorinane, 2,5,5-trimethyl-, 2-oxide	873-97-2	C6H13O3P	2931.00
2B04	Phosphonic acid, methyl-	993-13-5	CH5O3P	2931.00
2B04	Phosphonothioic dichloride, ethyl-	993-43-1	C2H5Cl2PS	2931.00
2B04	Phosphonodithioic acid, methyl-, S,S-diethyl ester	995-88-0	C5H13OPS2	2930.90
2B04	Phosphonodithioic acid, methyl-, S,S-dipropyl ester	996-04-3	C7H17OPS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-(2-chloroallyl) O-(.alpha.,.alpha.,.alpha.-trifluoro-4-nitro-m-tolyl) ester	740-20-5	C11H10ClF3NO4PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-methyl O-(2,4,5-trichlorophenyl) ester	25918-55-2	C8H8Cl3O2PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-ethyl S-[2-(ethylsulfinyl)ethyl] ester	53151-68-1	C7H17O3PS2	2930.90
2B04	Aziridine, 1,1'-(methylphosphinothioylidene)bis-	19782-04-8	C5H11N2PS	2933.99
2B04	Phosphonothioic acid, methyl-, O,S-dihexyl ester	20626-89-5	C13H29O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, S-hexyl O-methyl ester	20626-93-1	C8H19O2PS	2930.90
2B04	Aziridine, 1,1'-(ethylphosphinothioylidene)bis-	20825-63-2	C6H13N2PS	2933.99
2B04	8-Oxa-6-thia-3-thionia-7-phosphaundecane, 3,7-dimethyl-, methyl sulfate, 7-oxide	21085-51-8	C9H22O2PS2.CH3O4S	2930.90
2B04	Phosphonic acid, methyl-, bis(2-chlorophenyl) ester	21100-82-3	C13H11Cl2O3P	2931.00
2B04	Phosphonothioic acid, methyl-, S-butyl O-(1-methylethyl) ester	22522-32-3	C8H19O2PS	2930.90
2B04	Phosphonic acid, methyl-, 2-(4-methylphenyl)-2-oxoethyl 4-nitrophenyl ester	22739-60-2	C16H16NO6P	2931.00
2B04	Phosphonothioic acid, ethyl-, O-(2,5-dichloro-4-iodophenyl) O-ethyl ester	25177-27-9	C10H12Cl2IO2PS	2931.00
2B04	Phosphinic acid, methyl-, ethyl ester	16391-07-4	C3H9O2P	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonothioic acid, methyl-, O-(2,5-dichloro-4-iodophenyl) O-propyl ester	25918-48-3	C10H12Cl2IO2PS	2931.00
2B04	Phosphonothioic acid, methyl-, O,S-dibutyl ester	15536-25-1	C9H21O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-(2,5-dichloro-4-iodophenyl) O-ethyl ester	26084-76-4	C9H10Cl2IO2PS	2931.00
2B04	Phosphoramidic chloride, N,N-diethyl-P-methyl-	27930-69-4	C5H13ClNOP	2931.00
2B04	Phosphonic acid, (trichloropropyl)-	28351-15-7	C3H6Cl3O3P	2931.00
2B04	3-Oxa-5-thia-8-aza-4-phosphadecan-10-oic acid, 4-methyl-7-oxo-, 4-sulfide	33932-97-7	C7H14NO4PS2	2930.90
2B04	Glycine, N-[(ethoxymethylphosphinothioyl)thio]acetyl]-, ethyl ester	34595-57-8	C9H18NO4PS2	2930.90
2B04	Phosphonic acid, ethyl-, monomethyl ester	34637-92-8	C3H9O3P	2931.00
2B04	Phosphonothioic acid, ethyl-, O-methyl ester, (S)-	38344-09-1	C3H9O2PS	2931.00
2B04	Phosphonothioic acid, ethyl-, O-[2-chloro-1-(2,5-dichlorophenyl)ethenyl] O-methyl ester	41491-52-5	C11H12Cl3O2PS	2931.00
2B04	Phosphonic acid, methyl-, 4-aminophenyl 1,2,2-trimethylpropyl ester	52134-57-3	C13H22NO3P	2931.00
2B04	Phosphonic acid, methyl-, bis(3,4-dimethylphenyl) ester	88847-65-8	C17H21O3P	2931.00
2B04	Phosphonothioic acid, ethyl-, O-(2,5-dichloro-4-iodophenyl) O-methyl ester	25918-47-2	C9H10Cl2IO2PS	2931.00
2B04	Phosphonothioic acid, ethyl-, O-ethyl ester, (R)-	4789-36-0	C4H11O2PS	2931.00
2B04	Phosphine, methyl-	593-54-4	CH5P	2931.00
2B04	Phosphonic acid, methyl-, mono(1,2,2-trimethylpropyl) ester	616-52-4	C7H17O3P	2931.00
2B04	Phosphonothioic acid, methyl-, S-(7,7-dimethyloctyl) O-ethyl ester	1068-39-9	C13H29O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, O-ethyl O-phenyl ester	1497-41-2	C10H15O2PS	2931.00
2B04	Phosphonic acid, methyl-, monoethyl ester	1832-53-7	C3H9O3P	2931.00
2B04	Phosphonic acid, methyl-, monocyclohexyl ester	1932-60-1	C7H15O3P	2931.00
2B04	3-Oxa-5-thia-8-thionia-4-phosphadecane, 4,8-dimethyl-, methyl sulfate, 4-oxide	2562-54-1	C8H20O2PS2.CH3O4S	2930.90
2B04	Phosphonothioic acid, methyl-, O-(4-bromo-2,5-dichlorophenyl) O-methyl ester	2720-20-9	C8H8BrCl2O2PS	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonothioic acid, methyl-, O-ethyl O-(2,4,5-trichlorophenyl) ester	3070-10-8	C9H10Cl3O2PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-ethyl S-hexyl ester	3675-87-4	C9H21O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl ester	18005-40-8	C3H9O2PS	2931.00
2B04	Phosphonic acid, methyl-, monopropyl ester	4546-11-6	C4H11O3P	2931.00
2B04	Phosphonothioic acid, methyl-, O-ethyl S-[2-(propylsulfinyl)ethyl] ester	53151-69-2	C8H19O3PS2	2930.90
2B04	Phosphonothioic acid, ethyl-, O-ethyl ester, (S)-	5152-74-9	C4H11O2PS	2931.00
2B04	Phosphonic acid, methyl-, bis(4-nitrophenyl) ester	6395-57-9	C13H11N2O7P	2931.00
2B04	Phosphonic acid, methyl-, bis(4-chlorophenyl) ester	6395-59-1	C13H11Cl2O3P	2931.00
2B04	Phosphonic acid, ethyl-, ethyl 2,4,5-trichlorophenyl ester	6492-18-8	C10H12Cl3O3P	2931.00
2B04	Phosphonic acid, methyl-, ethyl 1,2,2-trimethylpropyl ester	7040-56-4	C9H21O3P	2931.00
2B04	Phosphonic acid, ethyl-, ethyl phenyl ester	7526-28-5	C10H15O3P	2931.00
2B04	Phosphonothioic acid, methyl-, O-(2,5-dichloro-4-iodophenyl) O-methyl ester	7533-75-7	C8H8Cl2IO2PS	2931.00
2B04	Phosphonic acid, ethyl-, 2-chloroethyl 2,2-dichloroethenyl ester	10368-23-7	C6H10Cl3O3P	2931.00
2B04	Ethanone, 1-(2-pyridinyl)-, O-[ethyl(1-methylethoxy)phosphinyl]oxime	15132-05-5	C12H19N2O3P	2933.39
2B04	Pyridinium, 2-(4-ethyl-1,6-dimethyl-4-oxido-3,5-dioxo-2-aza-4-phosphahept-1-en-1-yl)-1-methyl-, iodide	15191-33-0	C13H22N2O3P.I	2933.39
2B04	Phosphonic acid, methyl-, ethyl 4-nitrophenyl ester	3735-98-6	C9H12NO5P	2931.00
2B04	Estra-1,3,5(10)-trien-17-one, 3-[(mercaptomethylphosphinyl)oxy]-	71142-69-3	C19H25O3PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-[2-(methylsulfinyl)ethyl] ester	53151-67-0	C6H15O3PS2	2930.90
2B04	.beta.-Alanine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-L-alanyl]-, ethyl ester	68030-50-2	C13H25N2O5PS2	2930.90
2B04	Glycine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-.beta.-alanyl]-, ethyl ester	68030-51-3	C12H23N2O5PS2	2930.90
2B04	L-Alanine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-.beta.-alanyl]-, ethyl ester	68030-52-4	C13H25N2O5PS2	2930.90
2B04	L-Valine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-.beta.-alanyl]-, ethyl ester	68030-53-5	C15H29N2O5PS2	2930.90

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2B04	.beta.-Alanine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-.beta.-alanyl]-, ethyl ester	68030-54-6	C13H25N2O5PS2	2930.90
2B04	Glycine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-L-valyl]-, ethyl ester	68030-55-7	C14H27N2O5PS2	2930.90
2B04	L-Alanine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-L-valyl]-, ethyl ester	68030-56-8	C15H29N2O5PS2	2930.90
2B04	L-Valine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-L-valyl]-, ethyl ester	68030-57-9	C17H33N2O5PS2	2930.90
2B04	.beta.-Alanine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-L-valyl]-, ethyl ester	68030-58-0	C15H29N2O5PS2	2930.90
2B04	L-Alanine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-L-alanyl]-, ethyl ester	68030-48-8	C13H25N2O5PS2	2930.90
2B04	3-Oxa-5,7-dithia-4-phosphanonan-9-oic acid, 4-methyl-, methyl ester, 4-sulfide	70519-66-3	C7H15O3PS3	2930.90
2B04	Glycine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-L-alanyl]-, ethyl ester	68030-47-7	C12H23N2O5PS2	2930.90
2B04	Phosphonic acid, methyl-, oxybis(2,1-ethanediyloxy-2,1-phenylene) ester	71787-59-2	C18H24O9P2	2931.00
2B04	Phosphonothioic acid, ethyl-, S-(1,1-dimethylethyl) O-ethyl ester	83318-76-7	C8H19O2PS	2930.90
2B04	Phosphonamidodithioic acid, P-ethyl-N-(1-methylethyl)-, 1,1-dimethylethyl ester	87361-61-3	C9H22NPS2	2930.90
2B04	3-Oxa-5,7-dithia-4-phosphanonan-9-oic acid, 4-methyl-, methyl ester, 7-oxide 4-sulfide	87579-55-3	C7H15O4PS3	2930.90
2B04	3-Oxa-5,7-dithia-4-phosphanonan-9-oic acid, 4-methyl-, methyl ester, 4,7-dioxide	87579-56-4	C7H15O5PS2	2930.90
2B04	3-Oxa-5,7-dithia-4-phosphanonan-9-oic acid, 4-methyl-, 4-sulfide	87579-57-5	C6H13O3PS3	2930.90
2B04	Phosphonic acid, methyl-, bis(2-methoxyphenyl) ester	88847-59-0	C15H17O5P	2931.00
2B04	Phosphonic acid, methyl-, bis[4-(methylthio)phenyl] ester	88847-60-3	C15H17O3PS2	2930.90
2B04	Phosphonic acid, methyl-, bis(2,4-dichlorophenyl) ester	88847-61-4	C13H9Cl4O3P	2931.00
2B04	Phosphonic acid, methyl-, bis(4-chloro-3-methylphenyl) ester	88847-62-5	C15H15Cl2O3P	2931.00
2B04	Phosphonic acid, methyl-, diphenyl ester, polymer with 4,4'-(1-methylethylidene)bis[phenol]	68664-06-2		**
2B04	Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester, (R)-	62705-71-9	C10H15OPS2	2930.90
2B04	Phosphonothioic acid, methyl-, S-[2-(butylsulfinyl)ethyl] O-ethyl ester	53151-70-5	C9H21O3PS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-[2-(pentylsulfinyl)ethyl] ester	53151-71-6	C10H23O3PS2	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonothioic acid, methyl-, O-ethyl S-[2-(hexylsulfinyl)ethyl] ester	53151-72-7	C11H25O3PS2	2930.90
2B04	Phosphonic acid, methyl-, heptyl 2-nitrophenyl ester	56402-39-2	C14H22NO5P	2931.00
2B04	Phosphonic acid, methyl-, 1-cyano-1-methylethyl 1-methylethyl ester	58264-04-3	C8H16NO3P	2931.00
2B04	Phosphonic acid, methyl-, 2-nitrophenyl pentyl ester	59223-32-4	C12H18NO5P	2931.00
2B04	Phosphonic acid, methyl-, bis(2,6-dimethylphenyl) ester	60092-37-7	C17H21O3P	2931.00
2B04	Phosphonic acid, methyl-, bis(2-methylphenyl) ester	60146-72-7	C15H17O3P	2931.00
2B04	Phosphonic acid, methyl-, bis(3-methylphenyl) ester	60146-73-8	C15H17O3P	2931.00
2B04	Phosphonic acid, methyl-, bis(4-methylphenyl) ester	60146-74-9	C15H17O3P	2931.00
2B04	L-Valine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]-L-alanyl]-, ethyl ester	68030-49-9	C15H29N2O5PS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester, (S)-	62680-03-9	C10H15OPS2	2930.90
2B04	Phosphonic dichloride, ethyl-	1066-50-8	C2H5Cl2OP	2931.00
2B04	Aziridine, 1,1'-[(1-methylethyl)phosphinylidene]bis-	64283-09-6	C7H15N2OP	2933.99
2B04	Phosphonothioic acid, methyl-, S-(diphenylmethyl) O-ethyl ester	65190-54-7	C16H19O2PS	2930.90
2B04	Phosphonothioic acid, methyl-, O-[2-(acetyloxy)ethyl] S-butyl ester	66957-41-3	C9H19O4PS	2930.90
2B04	Phosphonothioic acid, methyl-, S-butyl O-[2-(1-oxopropoxy)ethyl] ester	66957-42-4	C10H21O4PS	2930.90
2B04	Butanoic acid, 2-[[[(butylthio)methylphosphinyl]oxy]ethyl] ester	66957-43-5	C11H23O4PS	2930.90
2B04	Pentanoic acid, 2-[[[(butylthio)methylphosphinyl]oxy]ethyl] ester	66957-44-6	C12H25O4PS	2930.90
2B04	Glycine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]glycyl]-, ethyl ester	68030-43-3	C11H21N2O5PS2	2930.90
2B04	L-Alanine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]glycyl]-, ethyl ester	68030-44-4	C12H23N2O5PS2	2930.90
2B04	L-Valine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]glycyl]-, ethyl ester	68030-45-5	C14H27N2O5PS2	2930.90
2B04	.beta.-Alanine, N-[N-[(ethoxymethylphosphinothioyl)thio]acetyl]glycyl]-, ethyl ester	68030-46-6	C12H23N2O5PS2	2930.90
2B04	Phosphonic acid, methyl-, bis(4-methoxyphenyl) ester	60705-73-9	C15H17O5P	2931.00

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2B04	Phosphonochloridothioic acid, methyl-, S-methyl ester	13113-89-8	C2H6ClOPS	2930.90
2B04	Phosphonic acid, methyl-, diphenyl ester	7526-26-3	C13H13O3P	2931.00
2B04	Phosphonobromidothioic acid, ethyl-, O-ethyl ester	7608-38-0	C4H10BrOPS	2931.00
2B04	Phosphonothioic acid, ethyl-, O-ethyl ester	7776-66-1	C4H11O2PS	2931.00
2B04	Phosphonoselenoic acid, ethyl-, Se-[2-(diethylamino)ethyl] O-ethyl ester	10161-84-9	C10H24NO2PSe	2931.00
2B04	Phosphonodithioic acid, ethyl-, O-methyl ester, S-ester with N-(2-mercaptopropyl)methanesulfonamide	10177-86-3	C7H18NO3PS3	2935.00
2B04	Phosphonothioic acid, methyl-, O-methyl S-propyl ester	10552-88-2	C5H13O2PS	2930.90
2B04	Phosphonodithioic acid, methyl-, O-ethyl S-propyl ester	10552-90-6	C6H15OPS2	2930.90
2B04	Phosphonodithioic acid, methyl-, O-(2-chloroethyl) S-propyl ester	10552-93-9	C6H14ClOPS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-methyl O-(4-nitrophenyl) ester	13074-12-9	C8H10NO4PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-methyl O-(3-methyl-4-nitrophenyl) ester	13074-13-0	C9H12NO4PS	2931.00
2B04	Phosphonic dichloride, propyl-	4708-04-7	C3H7Cl2OP	2931.00
2B04	Phosphonothioic acid, methyl-, S-butyl O-ethyl ester	13088-84-1	C7H17O2PS	2930.90
2B04	Phosphonic acid, ethyl-, monoethyl ester	7305-61-5	C4H11O3P	2931.00
2B04	Phosphonochloridothioic acid, methyl-, S-ethyl ester	13113-90-1	C3H8ClOPS	2930.90
2B04	Phosphonochloridothioic acid, methyl-, S-propyl ester	13113-91-2	C4H10ClOPS	2930.90
2B04	Phosphonochloridothioic acid, ethyl-, S-methyl ester	13113-92-3	C3H8ClOPS	2930.90
2B04	Phosphonochloridothioic acid, ethyl-, S-ethyl ester	13113-93-4	C4H10ClOPS	2930.90
2B04	Phosphonochloridothioic acid, ethyl-, S-propyl ester	13113-94-5	C5H12ClOPS	2930.90
2B04	Phosphonochloridothioic acid, methyl-, S-isopropyl ester	13113-98-9	C4H10ClOPS	2930.90
2B04	Phosphonochloridothioic acid, ethyl-, S-(1-methylethyl) ester	13113-99-0	C5H12ClOPS	2930.90
2B04	Phosphonodithioic acid, methyl-, O-methyl S-propyl ester	13126-64-2	C5H13OPS2	2930.90

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonochloridic acid, (1-methylethyl)-, 1-methylethyl ester	13201-91-7	C6H14ClO2P	2931.00
2B04	Phosphonochloridic acid, propyl-, propyl ester	13213-44-0	C6H14ClO2P	2931.00
2B04	Phosphonochloridic acid, propyl-, 1-methylethyl ester	13213-45-1	C6H14ClO2P	2931.00
2B04	Phosphonothioic acid, methyl-, O-ethyl S-propyl ester	13088-83-0	C6H15O2PS	2930.90
2B04	Phosphonotrithioic acid, methyl-, dipropyl ester	996-05-4	C7H17PS3	2930.90
2B04	Phosphonic acid, (1-methylethyl)-	4721-37-3	C3H9O3P	2931.00
2B04	Phosphonothioic acid, ethyl-, O-ethyl O-methyl ester, (S)-	5152-73-8	C5H13O2PS	2931.00
2B04	Phosphonochloridic acid, methyl-, ethyl ester	5284-09-3	C3H8ClO2P	2931.00
2B04	Phosphonochloridic acid, ethyl-, ethyl ester	5284-10-6	C4H10ClO2P	2931.00
2B04	Phosphonic acid, ethyl-, ethyl methyl ester	5301-65-5	C5H13O3P	2931.00
2B04	Phosphonamidic acid, P-ethyl-N,N-dimethyl-, ethyl ester, (+)-	5559-42-2	C6H16NO2P	2931.00
2B04	Phosphonothioic dibromide, methyl-	5827-24-7	CH3Br2PS	2931.00
2B04	4H-1,3,2-Benzodioxaphosphorin, 2-ethyl-, 2-oxide	5853-68-9	C9H11O3P	2931.00
2B04	Phosphonothioic acid, methyl-, O-methyl O-[4-(methylsulfonyl)phenyl] ester	5902-78-3	C9H13O4PS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-(4-cyanophenyl) O-phenyl ester	5954-90-5	C14H12NO2PS	2931.00
2B04	Phosphonothioic acid, methyl-	5994-73-0	CH5O2PS	2931.00
2B04	Phosphonamidic acid, trimethyl-, methyl ester	7351-34-0	C4H12NO2P	2931.00
2B04	Phosphonothioic acid, methyl-, O-(4-bromo-2,5-dichlorophenyl) O-propyl ester	6173-20-2	C10H12BrCl2O2PS	2931.00
2B04	Phosphonothioic acid, ethyl-, O,S-diethyl ester, (R)-	7348-85-8	C6H15O2PS	2930.90
2B04	Phosphonic acid, methyl-, dipropyl ester	6410-56-6	C7H17O3P	2931.00
2B04	Phosphonothioic acid, methyl-, O-methyl O-[3-methyl-4-(methylsulfinyl)phenyl] ester	6552-19-8	C10H15O3PS2	2930.90
2B04	Phosphonothioic acid, ethyl-, O-ethyl O-[4-(methylsulfinyl)phenyl] ester	6587-45-7	C11H17O3PS2	2930.90

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2B04	Phosphonotrithioic acid, ethyl-, dipropyl ester	6587-94-6	C8H19PS3	2930.90
2B04	Phosphonotrithioic acid, ethyl-, diisopropyl ester	6588-40-5	C8H19PS3	2930.90
2B04	Phosphonic acid, ethyl-	6779-09-5	C2H7O3P	2931.00
2B04	Phosphonothioic acid, methyl-, O,O-diethyl ester	6996-81-2	C5H13O2PS	2931.00
2B04	Phosphonothioic acid, ethyl-, O-(2,5-dichlorophenyl) O-ethyl ester	7260-35-7	C10H13Cl2O2PS	2931.00
2B04	Phosphonic acid, ethyl-, isopropyl p-nitrophenyl ester	7284-58-4	C11H16NO5P	2931.00
2B04	Phosphonic acid, isopropyl-, isopropyl p-nitrophenyl ester	7284-60-8	C12H18NO5P	2931.00
2B04	Phosphonothioic acid, ethyl-, O-isopropyl O-(p-nitrophenyl) ester	13361-94-9	C11H16NO4PS	2931.00
2B04	Phosphonic acid, ethyl-, dimethyl ester	6163-75-3	C4H11O3P	2931.00
2B04	Phosphonic acid, propyl-, methyl propyl ester	18755-44-7	C7H17O3P	2931.00
2B04	Phosphonochloridic acid, isopropyl-, propyl ester	13242-70-1	C6H14ClO2P	2931.00
2B04	Phosphonofluoridothioic acid, propyl-, S-propyl ester	18350-61-3	C6H14FOPS	2930.90
2B04	Phosphonofluoridothioic acid, isopropyl-, S-ethyl ester	18350-62-4	C5H12FOPS	2930.90
2B04	Phosphonic chloride fluoride, isopropyl-	18350-81-7	C3H7ClFOP	2931.00
2B04	Phosphonofluoridothioic acid, ethyl-, S-isopropyl ester	18356-48-4	C5H12FOPS	2930.90
2B04	Phosphonofluoridothioic acid, ethyl-, S-methyl ester	18356-49-5	C3H8FOPS	2930.90
2B04	Glyoxylonitrile, phenyl-, oxime, O-ethyl ethylphosphonothioate	18425-48-4	C12H15N2O2PS	2931.00
2B04	Glyoxylonitrile, phenyl-, oxime, ethyl ethylphosphonate	18425-49-5	C12H15N2O3P	2931.00
2B04	Phosphonodithioic acid, methyl-, S-[(4-chlorophenyl)thio]methyl] O-methyl ester	18466-11-0	C9H12ClOPS3	2930.90
2B04	Phosphonodithioic acid, ethyl-, S-[(2,4-dichlorophenoxy)methyl] O-ethyl ester	18596-51-5	C11H15Cl2O2PS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, S-[(2,4-dichlorophenoxy)methyl] O-propyl ester	18596-67-3	C12H17Cl2O2PS2	2930.90
2B04	Phosphonofluoridothioic acid, methyl-, S-(2-chloroethyl) ester	18350-57-7	C3H7ClFOPS	2930.90

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2B04	Phosphonic acid, methyl-, ethyl propyl ester	18755-38-9	C6H15O3P	2931.00
2B04	Phosphonothioic acid, ethyl-, O-ethyl O-(3-methyl-4-nitrophenyl) ester	18313-91-2	C11H16NO4PS	2931.00
2B04	Phosphonic acid, propyl-, diethyl ester	18812-51-6	C7H17O3P	2931.00
2B04	Phosphonic acid, propyl-, bis(1-methylethyl) ester	18812-55-0	C9H21O3P	2931.00
2B04	Phosphonochloridothioic acid, propyl-, S-methyl ester	19057-03-5	C4H10ClOPS	2930.90
2B04	Phosphonochloridothioic acid, propyl-, S-propyl ester	19057-04-6	C6H14ClOPS	2930.90
2B04	Phosphonochloridothioic acid, propyl-, S-isopropyl ester	19057-05-7	C6H14ClOPS	2930.90
2B04	Phosphonochloridothioic acid, isopropyl-, S-ethyl ester	19057-06-8	C5H12ClOPS	2930.90
2B04	Phosphonothioic acid, ethyl-, O-(2-chloroethyl) O-(4-cyanophenyl) ester	19133-28-9	C11H13ClNO2PS	2931.00
2B04	Phosphonic dibromide, methyl-	19430-64-9	CH3Br2OP	2931.00
2B04	Ammonium, (2-hydroxyethyl)dimethylphenyl-, methyl sulfate, methylphosphonofluoridate	19447-71-3	C11H18FNO2P.CH3O4S	2931.00
2B04	Phosphonothioic acid, ethyl-, S,S'-[thiobis(methylene)] O,O'-diethyl ester	20395-17-9	C10H24O4P2S3	2930.90
2B04	Phosphonofluoridothioic acid, methyl-, O-methyl ester	20518-03-0	C2H6FOPS	2931.00
2B04	Phosphonodithioic acid, methyl-, O-benzo[b]thiophene-4-yl S-propyl ester	18729-79-8	C12H15OPS3	2934.99
2B04	Phosphonodithioic acid, ethyl-, S-[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] O-(1-methylethyl) ester	16537-51-2	C14H18NO3PS2	2930.90
2B04	Phosphonic acid, ethyl-, dipropyl ester	6163-76-4	C8H19O3P	2931.00
2B04	Phosphonodithioic acid, methyl-, bimol. monoanhydride, S,S-dipropyl ester	13413-40-6	C8H20OP2S4	2930.90
2B04	Phosphonic acid, (1-methylethyl)-, ethyl 4-nitrophenyl ester	13538-10-8	C11H16NO5P	2931.00
2B04	Phosphonochloridodithioic acid, methyl-, ethyl ester	14283-39-7	C3H8ClPS2	2930.90
2B04	Phosphonic diamide, P-ethyl-N,N,N',N'-tetramethyl-	14655-69-7	C6H17N2OP	2931.00
2B04	Phosphonothioic acid, methyl-, O-(2-chloro-2-propenyl) O-(4-nitrophenyl) ester	14667-53-9	C10H11ClNO4PS	2931.00
2B04	Phosphonotrithioic acid, methyl-, dimethyl ester	14806-66-7	C3H9PS3	2930.90

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2B04	Phosphonothioic acid, ethyl-, O,O-dimethyl ester	14806-67-8	C4H11O2PS	2931.00
2B04	Phosphonochloridic acid, methyl-, propyl ester	15110-09-5	C4H10ClO2P	2931.00
2B04	Phosphonic acid, ethyl-, methyl 4-nitrophenyl ester	15536-01-3	C9H12NO5P	2931.00
2B04	Phosphonous acid, methyl-, diethyl ester	15715-41-0	C5H13O2P	2931.00
2B04	Phosphonofluoridothioic acid, ethyl-, S-propyl ester	18350-59-9	C5H12FOPS	2930.90
2B04	Phosphonochloridodithioic acid, methyl-, methyl ester	16284-71-2	C2H6ClPS2	2930.90
2B04	Phosphonotrithioic acid, ethyl-, diethyl ester	13297-95-5	C6H15PS3	2930.90
2B04	Phosphonodithioic acid, ethyl-, S-[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] O-(2-methylpropyl) ester	16537-52-3	C15H20NO3PS2	2930.90
2B04	Phosphonochloridodithioic acid, ethyl-, ethyl ester	17162-55-9	C4H10ClPS2	2930.90
2B04	Phosphonochloridodithioic acid, ethyl-, propyl ester	17162-56-0	C5H12ClPS2	2930.90
2B04	Phosphonochloridodithioic acid, ethyl-, 1-methylethyl ester	17162-57-1	C5H12ClPS2	2930.90
2B04	Butanedioic acid, [[methyl(propylthio)phosphinothioyl]thio]-, diethyl ester	17581-48-5	C12H23O4PS3	2930.90
2B04	Phosphonochloridothioic acid, methyl-, O-propyl ester	18005-37-3	C4H10ClOPS	2931.00
2B04	Phosphonochloridothioic acid, methyl-, O-butyl ester	18005-38-4	C5H12ClOPS	2931.00
2B04	Phosphonodithioic acid, ethyl-, S,S-diethyl ester	18032-95-6	C6H15OPS2	2930.90
2B04	Phosphonodithioic acid, methyl-, O-methyl S-[2-(methylamino)-2-oxoethyl] ester	18278-44-9	C5H12NO2PS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, S,S'-[thiobis(methylene)] O,O'-dimethyl ester	18300-07-7	C8H20O2P2S5	2930.90
2B04	Phosphonodithioic acid, ethyl-, S,S'-[thiobis(methylene)] O,O'-diethyl ester	18300-10-2	C10H24O2P2S5	2930.90
2B04	Phosphonothioic acid, ethyl-, O-ethyl O-methyl ester	15720-03-3	C5H13O2PS	2931.00
2B04	Phosphonodithioic acid, ethyl-, S-(p-tert-butylphenyl) O-methyl ester	2984-66-9	C13H21OPS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	C13H12NO4PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-(2,4-dichlorophenyl) O-methyl ester	2667-49-4	C8H9Cl2O2PS	2931.00

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2B04	Phosphonothioic acid, methyl-, O-ethyl O-[4-(methylthio)phenyl] ester	2703-13-1	C10H15O2PS2	2930.90
2B04	Phosphonothioic acid, ethyl-, O-(4-bromo-2,5-dichlorophenyl) O-ethyl ester	2720-17-4	C10H12BrCl2O2PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-(4-bromo-2,5-dichlorophenyl) O-(1-methylethyl) ester	2720-18-5	C10H12BrCl2O2PS	2931.00
2B04	Phosphonothioic acid, ethyl-, O-(4-bromo-2,5-dichlorophenyl) O-methyl ester	2720-19-6	C9H10BrCl2O2PS	2931.00
2B04	Phosphorane, tetrachloromethyl-	2725-68-0	CH3Cl4P	2931.00
2B04	Ethanaminium, 2-[(fluoromethylphosphinyl)oxy]-N,N,N-trimethyl-, iodide	2797-10-6	C6H16FNO2P.I	2931.00
2B04	Phosphonothioic acid, ethyl-, O-(2-chloro-4-nitrophenyl) O-methyl ester	2917-21-7	C9H11ClNO4PS	2931.00
2B04	Phosphonothioic acid, methyl-, O-ethyl O-[4-(ethylsulfonyl)phenyl] ester	3309-71-5	C11H17O4PS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, O-methyl S-(4-methylphenyl) ester	2984-65-8	C10H15OPS2	2930.90
2B04	Phosphonochloridithioic acid, methyl-, O-ethyl ester	2524-16-5	C3H8ClOPS	2931.00
2B04	Phosphonic acid, methyl-, 4-nitrophenyl 2-oxo-2-phenylethyl ester	6203-26-5	C15H14NO6P	2931.00
2B04	Phosphonodithioic acid, methyl-, O-methyl S-phenyl ester	2984-68-1	C8H11OPS2	2930.90
2B04	Phosphonic acid, propyl-	4672-38-2	C3H9O3P	2931.00
2B04	Phosphonodithioic acid, propyl-, O-ethyl S-phenyl ester	2984-71-6	C11H17OPS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, O-isopropyl S-p-tolyl ester	2984-73-8	C12H19OPS2	2930.90
2B04	2,4,8,10-Tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-dimethyl-, 3,9-dioxide	3001-98-7	C7H14O6P2	2931.00
2B04	Phosphonodithioic acid, ethyl-, O-ethyl S-o-tolyl ester	3099-88-5	C11H17OPS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl O-[4-(ethylthio)phenyl] ester	3186-12-7	C11H17O2PS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-methyl O-[4-(methylthio)phenyl] ester	3186-14-9	C9H13O2PS2	2930.90
2B04	Phosphonodithioic acid, methyl-, O-phenyl S-propyl ester	3239-63-2	C10H15OPS2	2930.90
2B04	Phosphonodithioic acid, ethyl-, S-(4-chlorophenyl) O-ethyl ester	2984-64-7	C10H14ClOPS2	2930.90
2B04	Phosphonamidic acid, trimethyl-, isopropyl ester	2511-07-1	C6H16NO2P	2931.00

Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosponodithioic acid, ethyl-, O-ethyl S-[(2-pyridylthio)methyl] ester	1748-47-6	C10H16NOPS3	2933.39
2B04	Phosponothioic acid, methyl-, O-ethyl O-(2-fluoroethyl) ester	1763-36-6	C5H12FO2PS	2931.00
2B04	Phosphonic acid, propyl-, dipropyl ester	1789-95-3	C9H21O3P	2931.00
2B04	Phosphonic acid, methyl-, mono(1-methylethyl) ester	1832-54-8	C4H11O3P	2931.00
2B04	Phosponodithioic acid, ethyl-, S-(4-chloro-3-methylphenyl) O-ethyl ester	1942-78-5	C11H16ClOPS2	2930.90
2B04	Phosponodithioic acid, ethyl-, S-(4-chloro-m-tolyl) O-methyl ester	1942-80-9	C10H14ClOPS2	2930.90
2B04	Ammonium, (3-hydroxypropyl)trimethyl-, iodide, methylphosphonofluoridate	1978-17-2	C7H18FNO2P.I	2931.00
2B04	Aziridine, 1,1'-(ethylphosphinylidene)bis-	2275-83-4	C6H13N2OP	2933.99
2B04	Aziridine, 1,1'-(propylphosphinylidene)bis-	2275-86-7	C7H15N2OP	2933.99
2B04	Phosponamidic acid, trimethyl-, ethyl ester	2404-80-0	C5H14NO2P	2931.00
2B04	Phosponothioic acid, methyl-, O-ethyl O-[4-(ethylsulfinyl)phenyl] ester	2636-23-9	C11H17O3PS2	2930.90
2B04	Phosphonic acid, methyl-, 2-(dimethylamino)ethyl 1-methylethyl ester, ethanedioate (1:1)	2478-96-8	C8H20NO3P.C2H2O4	2931.00
2B04	Phosponochloridothioic acid, methyl-, O-(1-methylethyl) ester	2524-17-6	C4H10ClOPS	2931.00
2B04	Phosponothioic acid, methyl-, O,S-diethyl ester	2511-10-6	C5H13O2PS	2930.90
2B04	Phosponothioic acid, ethyl-, O,S-diethyl ester	2511-11-7	C6H15O2PS	2930.90
2B04	Phosponothioic acid, ethyl-, O-ethyl S-methyl ester	2511-12-8	C5H13O2PS	2930.90
2B04	Phosponothioic acid, propyl-, O,S-diethyl ester	2511-13-9	C7H17O2PS	2930.90
2B04	Phosponothioic acid, ethyl-, O,S-dibutyl ester	2511-15-1	C10H23O2PS	2930.90
2B04	Phosphonic diamide, pentamethyl-	2511-17-3	C5H15N2OP	2931.00
2B04	Phosponamidic acid, trimethyl-, propyl ester	2511-27-5	C6H16NO2P	2931.00
2B04	Phosponothioic dichloride, propyl-	2524-01-8	C3H7Cl2PS	2931.00
2B04	Phosponochloridothioic acid, methyl-, O-methyl ester	2524-15-4	C2H6ClOPS	2931.00

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B04	Phosphonodithioic acid, ethyl-, O-methyl S-phenyl ester	2984-70-5	C9H13OPS2	2930.90
2B04	Phosphonothioic acid, ethyl-, O,O-diethyl ester	2455-45-0	C6H15O2PS	2931.00
2B04	Phosphinic acid, methyl-	4206-94-4	CH5O2P	2931.00
2B04	Phosphonofluorodithioic acid, methyl-, O-(1-methylethyl) ester	4241-37-6	C4H10FOPS	2931.00
2B04	Phosphonofluorodithioic acid, methyl-, O-propyl ester	4241-38-7	C4H10FOPS	2931.00
2B04	Phosphonodithioic acid, propyl-, O-ethyl S-p-tolyl ester	2984-67-0	C12H19OPS2	2930.90
2B04	Phosphonic acid, propyl-, dibutyl ester	4628-12-0	C11H25O3P	2931.00
2B04	Phosphonofluorodithioic acid, methyl-, O-ethyl ester	4241-39-8	C3H8FOPS	2931.00
2B04	Phosphonodithioic acid, methyl-, O,S-diethyl ester	3347-31-7	C5H13OPS2	2930.90
2B04	Phosphonothioic dibromide, ethyl-	3931-88-2	C2H5Br2PS	2931.00
2B04	Phosphonodithioic acid, isopropyl-, O-ethyl ester, S-ester with dihydro-3-mercapto-5-methyl-2(3H)-furanone	4633-34-5	C10H19O3PS2	2932.29
2B04	Phosphonothioic acid, methyl-, O-(4-chlorobutyl) O-[4-nitro-3-(trifluoromethyl)phenyl] ester	3954-73-2	C12H14ClF3NO4PS	2931.00
2B04	Phosphonic acid, (1-methylethyl)-, bis(1-methylethyl) ester	3759-39-5	C9H21O3P	2931.00
2B04	Phosphonic acid, methyl-, 1-methylethyl 4-nitrophenyl ester	3735-97-5	C10H14NO5P	2931.00
2B04	Phosphonic acid, methyl-, monomethyl ester, anhydride with dimethyl phosphate	3348-63-8	C4H12O6P2	2931.00
2B04	Phosphonodithioic acid, ethyl-, O,S-diethyl ester	3347-32-8	C6H15OPS2	2930.90
2B04	Phosphonothioic acid, methyl-, O-ethyl S-pentyl ester	3675-88-5	C8H19O2PS	2930.90
2B04	Phosphonothioic acid, ethyl-, O-(2-chloro-4-nitrophenyl) O-ethyl ester	3563-52-8	C10H13ClNO4PS	2931.00
2B05	Phosphoramidic chloride fluoride, dimethyl-	36598-84-2	C2H6ClFNOP	2929.90
2B05	Phosphoramidic difluoride, dimethyl-	354-43-8	C2H6F2NOP	2929.90
2B05	Phosphoramidic difluoride, dipropyl-	40882-01-7	C6H14F2NOP	2929.90
2B05	Phosphoramidic bromide fluoride, diethyl-	758-71-4	C4H10BrFNOP	2929.90

Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B05	Phosphoramidic dichloride, dimethyl-	677-43-0	C2H6Cl2NOP	2929.90
2B05	Phosphoramidic dichloride, diethyl-	1498-54-0	C4H10Cl2NOP	2929.90
2B05	Phosphoramidic chloride fluoride, diethyl-	650-72-6	C4H10ClFNOP	2929.90
2B05	Phosphoramidic difluoride, diethyl-	359-94-4	C4H10F2NOP	2929.90
2B05	Phosphoramidic dichloride, dipropyl-	40881-98-9	C6H14Cl2NOP	2929.90
2B06	Phosphoramidic acid, dimethyl-, methyl propyl ester	170082-64-1	C6H16NO3P	2929.90
2B06	Phosphoramidic acid, ethylmethyl-, diethyl ester	53279-98-4	C7H18NO3P	2929.90
2B06	Phosphoramidic acid, diethyl-, dimethyl ester	65659-19-0	C6H16NO3P	2929.90
2B06	Phosphoramidic acid, dimethyl-, ethyl methyl ester, (S)-	71877-78-6	C5H14NO3P	2929.90
2B06	Phosphoramidic acid, dimethyl-, ethyl methyl ester, (R)-	71877-79-7	C5H14NO3P	2929.90
2B06	Phosphoramidic acid, diethyl-, ethyl methyl ester	89893-77-6	C7H18NO3P	2929.90
2B06	Phosphoramidic acid, dimethyl-, ethyl 1-methylethyl ester	99520-56-6	C7H18NO3P	2929.90
2B06	Phosphoramidic acid, dimethyl-, methyl 1-methylethyl ester	141968-54-9	C6H16NO3P	2929.90
2B06	Phosphoramidic acid, dimethyl-, dimethyl ester	597-07-9	C4H12NO3P	2929.90
2B07	Arsenic trichloride	7784-34-1	AsCl3	2812.10
2B08	Benzeneacetic acid, .alpha.-hydroxy-.alpha.-phenyl-	76-93-7	C14H12O3	2918.19
2B09	1-Azabicyclo[2.2.2]octan-3-ol	1619-34-7	C7H13NO	2933.39
2B10	2-Propanamine, N-(2-chloroethyl)-N-(1-methylethyl)-	96-79-7	C8H18ClN	2921.19
2B10	Ethanamine, 2-chloro-N,N-diethyl-	100-35-6	C6H14ClN	2921.19
2B10	2-Propanamine, N-(2-chloroethyl)-N-(1-methylethyl)-, hydrochloride	4261-68-1	C8H18ClN.ClH	2921.19
2B10	Ethanamine, 2-chloro-N,N-diethyl-, sulfate (1:1)	67845-39-0	C6H14ClN.H2O4S	2921.19
2B10	Ethanamine, 2-chloro-N,N-diethyl-, hydrochloride	869-24-9	C6H14ClN.ClH	2921.19

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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B10	Ethanamine, 2-chloro-N,N-diethyl-, sulfate (2:1)	68391-41-3	C6H14ClN.1/2H2O4S	2921.19
2B10	Ethanamine, 2-chloro-N,N-dimethyl-	107-99-3	C4H10ClN	2921.19
2B10	1-Propanamine, N-(2-chloroethyl)-N-propyl-, hydrochloride	4535-86-8	C8H18ClN.ClH	2921.19
2B10	Propylamine, N-(2-chloroethyl)-N-ethyl-, hydrochloride	13105-93-6	C7H16ClN.ClH	2921.19
2B10	Ethanamine, 2-chloro-N-ethyl-N-methyl-, hydrochloride	4535-88-0	C5H12ClN.ClH	2921.19
2B10	Ethanamine, 2-chloro-N,N-dimethyl-, hydrochloride	4584-46-7	C4H10ClN.ClH	2921.19
2B10	Ethanamine, 1-chloro-N,N,-diethyl	77200-17-0	C6H14ClN	2921.19
2B10	1-Propanamine, N-(2-chloroethyl)-N-propyl-	36716-60-6	C8H18ClN	2921.19
2B11	Ethanol, 2-(ethylisopropylamino)-, picrate	2893-62-1	C7H17NO.C6H3N3O7	2922.19
2B11	Ethanol, 2-[bis(1-methylethyl)amino]-	96-80-0	C8H19NO	2922.19
2B11	Ethanol, 2-(dipropylamino)-, hydrochloride	4535-76-6	C8H19NO.ClH	2922.19
2B11	(2-Hydroxyethyl)tripropylammonium chloride	96311-53-4	C11H26NO.Cl	2923.90
2B11	Ethanol, 2-(ethylmethylamino)-	2893-43-8	C5H13NO	2922.19
2B11	Ethanol, 2-[ethyl(1-methylethyl)amino]-	2893-61-0	C7H17NO	2922.19
2B11	Ethanol, 2-(ethylpropylamino)-, picrate	2893-64-3	C7H17NO.C6H3N3O7	2922.19
2B11	Ethanaminium, N-ethyl-2-hydroxy-N-(2-hydroxyethyl)-N-methyl-, chloride	63982-26-3	C7H18NO2.Cl	2922.19
2B11	Ethanol, 2-(dipropylamino)-	3238-75-3	C8H19NO	2922.19
2B11	Ethanol, 2-(ethylpropylamino)-	2893-56-3	C7H17NO	2922.19
2B12	Ethanethiol, 2-[bis(1-methylethyl)amino]-	5842-07-9	C8H19NS	2930.90
2B12	Ethanethiol, 2-(dipropylamino)-	5842-06-8	C8H19NS	2930.90
2B12	Ethanethiol, 2-(diethylamino)-	100-38-9	C6H15NS	2930.90
2B12	Ethanethiol, 2-(dimethylamino)-, hydrochloride	13242-44-9	C4H11NS.ClH	2930.90

Sched.	CAS Index Name	CA RN	M Formula	HS subheading
2B12	Ethanethiol, 2-(dimethylamino)-	108-02-1	C4H11NS	2930.90
2B12	Ethanaminium, 2-mercapto-N,N,N-trimethyl-, salt with 4-methylbenzenesulfonic acid (1:1)	79321-32-7	C7H7O3S.C5H14NS	2930.90
2B12	[1,1'-Biphenyl]-4,4'-diethanaminium, N,N'-bis(2-mercaptoethyl)-N,N,N',N'-tetramethyl-.beta.,.beta.'-dioxo-, dibromide	60872-42-6	C24H34N2O2S2.2Br	2930.90
2B12	Ethanaminium, 2-mercapto-N,N,N-trimethyl-, iodide	7161-73-1	C5H14NS.I	2930.90
2B12	Ethanethiol, 2-(diethylamino)-, hydrochloride	1942-52-5	C6H15NS.ClH	2930.90
2B12	Ethanaminium, 2-mercapto-N,N,N-trimethyl-, chloride	37880-96-9	C5H14NS.Cl	2930.90
2B12	Ethanethiol, 2-[bis(1-methylethyl)amino]-, hydrochloride	41480-75-5	C8H19NS.ClH	2930.90
2B12	Ethanethiol, 2-(dimethylamino)-, sodium salt	55931-94-7	C4H11NS.Na	2930.90
2B12	Ethanaminium, N,N-diethyl-2-mercapto-N-methyl-, iodide	66753-00-2	C7H18NS.I	2930.90
2B12	Ethanaminium, 2-mercapto-N,N,N-trimethyl-	625-00-3	C5H14NS	2930.90
2B12(?)	[1,1':4',1''-Terphenyl]-4,4''-diethanaminium, N,N'-bis(2-mercaptoethyl)-N,N,N',N'-tetramethyl-.beta.,.beta.'-dioxo-, dibromide	73206-33-4	C30H38N2O2S2.2Br	2930.90
2B13	Ethanol, 2,2'-thiobis-	111-48-8	C4H10O2S	2930.90
2B14	2-Butanol, 3,3-dimethyl-	464-07-3	C6H14O	2905.19

Schedule 3 :

A. Toxic chemicals :

3A01	Carbonic dichloride	75-44-5	CCl2O	2812.10
3A02	Cyanogen chloride ((CN)Cl)	506-77-4	CCIN	2851.00
3A03	Hydrocyanic acid	74-90-8	CHN	2811.19
3A04	Methane, trichloronitro-	76-06-2	CCl3NO2	2904.90

B. Precursors :

3B05	Phosphoric trichloride	10025-87-3	Cl3OP	2812.10
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Sched.	CAS Index Name	CA RN	M Formula	HS subheading
3B06	Phosphorous trichloride	7719-12-2	Cl3P	2812.10
3B07	Phosphorane, pentachloro-	10026-13-8	Cl5P	2812.10
3B08	Phosphorous acid, trimethyl ester	121-45-9	C3H9O3P	2920.90
3B09	Phosphorous acid, triethyl ester	122-52-1	C6H15O3P	2920.90
3B10	Phosphonic acid, dimethyl ester	868-85-9	C2H7O3P	2920.90
3B11	Phosphonic acid, diethyl ester	762-04-9	C4H11O3P	2920.90
3B12	Sulfur chloride (S2Cl2)	10025-67-9	Cl2S2	2812.10
3B13	Sulfur chloride (SCl2)	10545-99-0	Cl2S	2812.10
3B14	Thionyl chloride	7719-09-7	Cl2OS	2812.10
3B15	Ethanol, 2,2'-(ethylimino)bis-	139-87-7	C6H15NO2	2922.19
3B16	Ethanol, 2,2'-(methylimino)bis-	105-59-9	C5H13NO2	2922.19
3B17	Ethanol, 2,2',2''-nitrilotris-	102-71-6	C6H15NO3	2922.13

* These classifications were determined on the basis of the anion being iodide; other anions could result in a different HS classification.
Ces classements ont été déterminés en fonction du principe que l'anion est un iodure; des anions d'une nature différente entraîneraient des classements différents dans le SH.

** The classification remains to be determined depending upon the receipt of additional information.
Ces classements restent à déterminer en fonction de renseignements complémentaires à recevoir.

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ANNEXE C/6

REMANIEMENTS A APPORTER EVENTUELLEMENT A LA NOMENCLATURE
ET AUX NOTES EXPLICATIVES DU SH EN CE QUI CONCERNE LES SILICONES

(Voir l'annexe A/10 ci-dessus)

ANNEX C/6

POSSIBLE AMENDMENT OF THE HS NOMENCLATURE AND
EXPLANATORY NOTES REGARDING SILICONES

(See Annex A/10 above)

I. PROCEDURE DE L'ARTICLE 16

A. AMENDEMENT DE LA NOMENCLATURE

CHAPITRE 39.

Note 2.

Ajouter les nouvelles Notes 2 a), 2 h) et 2 ij) suivantes :

- “a) Les préparations lubrifiantes des n°s 27.10 ou 34.03;
- [*] Les préparations à base de matières colorantes du n° 32.06;]
- [*] Les mastics du n° 32.14;]
- [*] Les colles et adhésifs conditionnés pour la vente au détail, d'un poids net n'excédant pas 1 kg (n° 35.06);]
- h) Les additifs préparés pour huiles minérales (y compris l'essence) et pour autres liquides utilisés aux mêmes fins que les huiles minérales (n° 38.11);
- ij) Les liquides hydrauliques préparés à base de polyglycols, de silicones et autres polymères du Chapitre 39 (n° 38.19);".

Les Notes 2 a) à 2 f) actuelles deviennent les Notes 2 b) à 2 g), respectivement.
Les Notes 2 g) à 2 w) actuelles deviennent les Notes 2 k) à 2 z), respectivement.

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B. MODIFICATION DES NOTES EXPLICATIVES

CHAPITRE 28.

Page 271. N° 28.04. Partie C. Alinéa 5). Premier paragraphe. Première ligne.

Remplacer “carbure de silicium” par “carbone”.

* Bien que la majorité des délégués n'appuient pas le maintien de ces alinéas, ces derniers sont toutefois maintenus entre crochets, à la demande du délégué des Etats-Unis, pour examen par le Sous-Comité de révision.

[Page 271. N° 28.04. Partie C). Alinéa 5). Premier et deuxième paragraphes.

Nouvelle rédaction :

"Le silicium est produit presque exclusivement par réduction thermique du dioxyde de silicium par le carbone dans des fours électriques à arc. Aux fins des applications dans le domaine de l'électronique, de la photovoltaïque, des détecteurs et de la micromécanique, le silicium doit être raffiné pour acquérir un degré de pureté beaucoup plus élevé. Les exigences en matière de pureté pour la fabrication des cellules solaires à rendement élevé, par exemple, sont presque aussi grandes que pour les dispositifs perfectionnés à semi-conducteurs.

L'électronique moderne repose presque exclusivement (> 95 %) sur des dispositifs à base de silicium. Compte tenu de l'importance capitale et sans cesse croissante de l'électronique dans la technologie et la vie quotidienne, le silicium constitue l'un des matériaux technologiques les plus importants, bien que la quantité requise par ces applications soit relativement limitée. Les applications du silicium dans le domaine de la métallurgie et de la chimie sont d'importance secondaire (composés du silicium), même si elles consomment la plus grande partie du silicium produit."]

Page 283. N° 28.11. Partie M. Troisième paragraphe. Avant-dernière phrase.

Nouvelle rédaction :

"La silice anhydre en poudre fine est employée notamment comme matière de charge dans la fabrication de différents types de caoutchouc naturel et synthétique et autres élastomères, ainsi que comme agent épaississant ou thixotropique pour différentes matières plastiques, encre d'imprimerie, peintures, vernis et adhésifs. La silice fumée, obtenue par combustion de tétrachlorure de silicium ou trichlorosilane dans un four hydrogène-oxygène, est utilisée également dans le polissage chimico-mécanique des pastilles de silicium ainsi que comme agent fluidifiant et de suspension pour un certain nombre de produits."

Page 286. N° 28.12. Partie A. Alinéa 5). Premier paragraphe.

Nouvelle rédaction :

"Le **tétrachlorure de silicium** (SiCl_4) est obtenu en faisant agir du chlore sur un mélange de silice et de charbon ou encore sur du silicium, du bronze de silicium ou du ferro-silicium. C'est un liquide incolore, de densité 1,5 environ, émettant dans une atmosphère humide des fumées blanches suffocantes (chlorure d'hydrogène (HCl)). Il est décomposé par l'eau avec production de silice gélatineuse et dégagement de vapeurs de HCl. Il sert à la préparation de la silice et de silicium très pur, ainsi que des silicones, ou à la production de rideaux de fumée."

Page 367. N° 28.51. Partie B. Nouvel alinéa 6).

Ajouter le nouvel alinéa 6 suivant :

- “6) Le **trichlorosilane** (SiHCl_3) obtenu par action du chlorure d'hydrogène sur du silicium et utilisé dans la fabrication de la silice fumée et du silicium très pur.”

CHAPITRE 29.

Page 448. N° 29.31. Alinéa 3).

Nouvelle rédaction :

- “3) **Composés organo-siliciques.** Il s'agit de composés de constitution chimique définie dans lesquels l'atome de silicium est lié directement à au moins un atome de carbone d'un radical organique. Ces composés comprennent notamment les silanes organiques et les siloxanes. Ces produits sont parfois polymérisés afin d'obtenir des silicones. Les silanes comprennent les chlorosilanes (diméthylchlorosilane, par exemple), les alkoxy-silanes (méthyltriméthoxysilane, par exemple), les alkyles ou aryles silanes (diphénylsilanédiol, tétraméthylsilane, par exemple) et autres silanes multifonctionnels (amino, nitrile, oxiranyl, oximo, acetoxy, etc.). Les siloxanes comprennent l'hexaméthyl-disiloxane, l'octaméthyl-trisiloxane, l'octaméthyl-cyclo-tétra-siloxane, le décaméthyl-cyclo-penta-siloxane et le dodécaméthyl-cyclo-hexa-siloxane. La présente position couvre également l'hexaméthyl-disilazane et les organo-disilanes.

Sont **exclus** les composés inorganiques de silicium qui relèvent généralement du Chapitre 28 (tétrachlorure de silicium (SiCl_4) classé dans le n° **28.12** ou trichlorosilane (SiHCl_3) classé dans le n° **28.51**). Les esters de l'acide silicique et leurs sels relèvent du n° **29.20**. Les mélanges délibérés de composés organo-siliciques de constitution chimique définie sont classés ailleurs dans la Nomenclature, généralement dans le n° **38.24**. Sont également **exclus** de la présente position les produits de constitution chimique non définie, dont la molécule renferme plus d'une liaison silicium-oxygène-silicium et qui contiennent des groupes organiques fixés aux atomes de silicium par les liaisons directes silicium-carbone. Ces silicones relèvent du n° **39.10**.”

CHAPITRE 32.

Page 607. N° 32.14.

Deuxième paragraphe. Première phrase.

Version anglaise seulement.

Page 608. N° 32.14. Partie I. Alinéa 9).

Nouvelle rédaction :

“9) **Les mastics à base de matières plastiques** (résines polyesters, polyuréthanes, silicones et époxydes, par exemple) additionnés dans une proportion élevée (jusqu'à 80%) de matières de charge très diverses telles qu'argile, sable ou autres silicates, dioxyde de titane, poudres métalliques. Certains mastics sont employés après adjonction d'un durcisseur. Certains de ces mastics ne durcissent pas et demeurent souples et adhérents une fois appliqués (par exemple, un scellant acoustique). D'autres durcissent par l'évaporation de solvants, en refroidissant (mastics thermofusibles), par réaction après contact avec l'atmosphère ou par réaction de différents composés mélangés ensemble (mastics à multi éléments). Les mastics peuvent être utilisés pour assurer l'étanchéité de certains joints dans la construction ou effectuer des réparations chez soi, pour assurer l'étanchéité des articles en fer, en métal ou en porcelaine ou encore les réparer, comme mastic de carrossier ou, en ce qui concerne les produits de scellement adhésifs, pour fixer plusieurs pièces ensemble.”

CHAPITRE 39.

Page 709. Note 2.

Ajouter les nouvelles Notes 2 a), 2 h) à 2 ij) suivantes :

- “a) Les préparations lubrifiantes des n°s 27.10 ou 34.03;
- [*] Les préparations à base de matières colorantes du n° 32.06;]
- [*] Les mastics du n° 32.14;]
- [*] Les colles et adhésifs conditionnés pour la vente au détail, d'un poids net n'excédant pas 1 kg (n° 35.06);]
- h) Les additifs préparés pour huiles minérales (y compris l'essence) et pour autres liquides utilisés aux mêmes fins que les huiles minérales (n° 38.11);
- ij) Les liquides hydrauliques préparés à base de polyglycols, de silicones et autres polymères du Chapitre 39 (n° 38.19);”.

Les Notes 2 a) à 2 f) actuelles deviennent les Notes 2 b) à 2 g), respectivement.
Les Notes 2 g) à 2 w) actuelles deviennent les Notes 2 k) à 2 z), respectivement.

Page 712. Considérations générales. Désignations abrégées de polymères.

Immédiatement après “PBT Polybutylène téréphthalate”, ajouter la nouvelle abréviation suivante :

“PDMS Polydiméthylsiloxane”.

Page 717. Considérations générales. Formes primaires. Paragraphe 1.

Version anglaise seulement.

[Page 718. Considérations générales. Formes primaires. Exclusions. Nouvel alinéa c).

Ajouter le nouvel alinéa c) suivant *) :

“c) Mastics du n° 32.14.”]

- * Bien que la majorité des délégués n'appuient pas le maintien de ces alinéas, ces derniers sont toutefois maintenus entre crochets, à la demande du délégué des Etats-Unis, pour examen par le Sous-Comité de révision.

* * *

ARTICLE 16 PROCEDURE

A. AMENDMENTS TO THE NOMENCLATURE

CHAPTER 39.

Note 2.

Insert the following new Notes 2 (a), 2 (h) and 2 (ij) :

- “(a) Lubricating preparations of heading 27.10 or 34.03;
- [(*) Preparations based on colouring matter of heading 32.06;]
- [(*) Caulking compounds and other mastics of heading 32.14;]
- [(*) Glues or adhesives put up for retail sale, not exceeding a net weight of 1 kg (heading 35.06);]
- (h) Prepared additives for mineral oils (including gasoline) or for other liquids used for the same purposes as mineral oils (heading 38.11);
- (ij) Prepared hydraulic fluids based on polyglycols, silicones or other polymers of Chapter 39 (heading 38.19);”.

Reletter present Notes 2 (a) to 2 (f) as Notes 2 (b) to 2 (g), respectively.
Reletter present Notes 2 (g) to 2 (w) as Notes 2 (k) to 2 (z), respectively.

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B. AMENDMENTS TO THE EXPLANATORY NOTES

CHAPTER 28.

[Page 271. Heading 28.04. Part (C). Item (5). First paragraph. First line.

Replace the expression “silicon carbide” by the word “carbon”.]

* While the majority of the Sub-Committee did not support retention of these items, the items were retained in square brackets for the consideration of the Review Sub-Committee at the request of the **US** Delegate.

[Page 271. Heading 28.04. Part (C). Item (5). First and second paragraphs.]

Delete and substitute :

“Silicon is obtained almost exclusively by carbothermal reduction of silicon dioxide using electric arc-furnaces. For application in electronics, photovoltaics, sensors, and micromechanics, silicon must be refined to a much higher purity. Purity requirements for the fabrication of high-efficiency solar cells, for example, are nearly as high as those for advanced semiconductor devices.

Modern electronics is almost exclusively (>95%) based on silicon devices. Because of the eminent and ever increasing importance of electronics in technology and everyday life, silicon is one of the most important technical materials, although the quantity required for this application is relatively small. Of secondary importance are the uses of silicon for metallurgy and chemistry (silicon compounds), although they consume the major portion of the silicon produced.”]

Page 283. Heading 28.11. Part (M). Third paragraph. Penultimate sentence.

Delete and substitute :

“Finely powdered silica is used, e.g., as a filler for various types of natural and synthetic rubber and other elastomers, as a thickening or thixotropic agent for various plastics, printing ink, paints, coatings and adhesives. Fumed silica (made by combustion of silicon tetrachloride or trichlorosilane in hydrogen-oxygen furnaces) is also used in chemi-mechanical polishing of silicon wafers and as a free-flow or anti-settling agent for a variety of materials.”

Page 286. Heading 28.12. Part (A). Item (5). First paragraph.

Delete and substitute :

“**Silicon tetrachloride** (SiCl₄). Obtained by the action of chlorine gas on a mixture of silica and coal, or on silicon, silicon bronze or ferro-silicon. Colourless liquid, specific gravity of about 1.5. Liberates suffocating white fumes (hydrogen chloride (HCl)) in the presence of atmospheric moisture. Decomposes in water with formation of gelatinous silica and liberation of HCl fumes. Used for preparing silica and very pure silicon, silicones and smoke screens.”

Page 367. Heading 28.51. Part (B). New Item (6).

Insert the following new Item (6) :

“(6) **Trichlorosilane** (SiHCl_3). Obtained by the reaction of hydrogen chloride (HCl) with silicon, it is used in the manufacture of fumed silica and very pure silicon.”

CHAPTER 29.

Page 448. Heading 29.31. Item (3).

Delete and substitute :

“(3) **Organo-silicon compounds.** These are separate chemically defined compounds in which the silicon atom is directly linked to at least one carbon atom of an organic radical. These compounds include organic silanes and siloxanes; in some cases these products are polymerized to make silicones. Silanes include chlorosilanes (e.g., dimethyldichlorosilane), alkoxy silanes (e.g., methyltrimethoxysilane), alkyl or aryl silanes (e.g., diphenylsilanediol, tetramethylsilane) and other multifunctional (amino, nitrile, oxiranyl, oximo, acetoxy, etc.) silanes. Siloxanes include hexamethyldisiloxane, octamethyltrisiloxane, octamethylcyclotetrasiloxane, decamethylcyclopentasiloxane and dodecamethylcyclohexasiloxane. The heading also includes hexamethyldisilazane and organo-disilanes.

This heading **does not include** inorganic silicon compounds, which are generally classifiable in Chapter 28 (e.g., silicon tetrachloride (SiCl_4) in **heading 28.12** or trichlorosilane (SiHCl_3) in **heading 28.51**). Silicic acid esters and their salts are classified in **heading 29.20**. Deliberate mixtures of separate chemically defined organo-silicon compounds are classified elsewhere in the Nomenclature, generally in **heading 38.24**. This heading further **excludes** non-chemically defined products containing in the molecule more than one silicon-oxygen-silicon linkage, and containing organic groups connected to the silicon atoms by direct silicon-carbon bonds. These are silicones of **heading 39.10**.”

CHAPTER 32.

Page 607. Heading 32.14.

Second paragraph. First sentence.

Delete the expression “they harden after application” and substitute the expression “they harden or cure after application”.

Page 608. Heading 32.14. Part (I). Item (9).

Delete and substitute :

"(9) **Mastics based on plastics** (e.g., polyesters, polyurethanes, silicones and epoxide resins) with a high added proportion (up to 80%) of various fillers (e.g., clay, sand and other silicates, titanium dioxide, metallic powders). Some of these mastics are used after the addition of hardeners. Some mastics do not harden and remain tacky after application (e.g., acoustic sealants). Others harden by the evaporation of solvents, by solidification (hot-melt mastics), by curing after exposure to the atmosphere or by the reaction of different components mixed together (multi-component mastics). Mastics may be used to seal certain joints in construction or home repair, for sealing or repairing glass, metal or porcelain articles, as fillers or sealants for coachwork or, in the case of adhesive sealants, to bond various surfaces together."

CHAPTER 39.

Page 709. Note 2.

Insert the following new Notes 2 (a), 2 (h) and 2 (ij) :

- "(a) Lubricating preparations of heading 27.10 or 34.03;
- [(*) Preparations based on colouring matter of heading 32.06;]
- [(*) Caulking compounds and other mastics of heading 32.14;]
- [(*) Glues or adhesives put up for retail sale, not exceeding a net weight of 1 kg (heading 35.06);]
- (h) Prepared additives for mineral oils (including gasoline) or for other liquids used for the same purposes as mineral oils (heading 38.11);
- (ij) Prepared hydraulic fluids based on polyglycols, silicones or other polymers of Chapter 39 (heading 38.19);".

Reletter present Notes 2 (a) to 2 (f) as Notes 2 (b) to 2 (g), respectively.

Reletter present Notes 2 (g) to 2 (w) as Notes 2 (k) to 2 (z), respectively.

Page 712. General. Abbreviations for polymers.

Immediately following the entry for "PBT Polybutylene terephthalate", insert the following new abbreviation entry :

"PDMS Polydimethylsiloxane".

Page 717. General. Primary forms. First paragraph. Subparagraph (1).

Replace the term “curing” by the term “curing” (two instances).

[Page 718. General. Primary forms. First paragraph (exclusions). New subparagraph (c).

Insert the following new exclusion subparagraph (c) (*):

“(c) Caulking compounds or other mastics (**heading 32.14**).”]

* While the majority of the Sub-Committee did not support retention of these items, the items were retained in square brackets for the consideration of the Review Sub-Committee at the request of the **US** Delegate.

* * *

Annexe C/7 au Doc. NS0060B2
Annex C/7 to

(SCS/17/janv. 2002)
(SSC/17/Jan. 2002)

ANNEXE C/7

MODIFICATION EVENTUELLE DE LA NOTE EXPLICATIVE DU N° 29.41

(Voir l'annexe A/12 ci-dessus)

ANNEX C/7

POSSIBLE AMENDMENT OF THE EXPLANATORY NOTE TO HEADING 29.41

(See Annex A/12 above)

AMENDEMENT DES NOTES EXPLICATIVES
A EFFECTUER PAR VOIE DE CORRIGENDUM

CHAPITRE 29.

Page 490. N° 29.41. Deuxième paragraphe. Alinéa 4).

Nouvelle rédaction :

“4) Le **chloramphénicol** et ses dérivés, le thiamphénicol et le florfénicol, par exemple.”

AMENDMENT TO THE EXPLANATORY NOTES
TO BE MADE BY CORRIGENDUM

CHAPTER 29.

Page 490. Heading 29.41. Second paragraph. Item (4).

Delete and substitute :

“(4) **Chloramphenicol** and its derivatives, e.g., thiamphenicol and florfenicol.”

(SCS/17/janv. 2002)
(SSC/17/Jan. 2002)

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