Table 2: Protective Action Criteria (PAC) Rev 26 based on applicable 60-minute AEGLs, ERPGs, or TEELs. The chemicals are listed in alphabetical order. September 2010

Table 2 is an alphabetical list of the chemical substances and their corresponding PAC values. For the most part, values are given in parts per million (ppm) for gases and volatile liquids and in milligrams per cubic meter (mg/m^3) for solids, particulates (aerosols), and nonvolatile liquids. There is a column that indicates which TEEL or PAC values have changed since the last revision. The final column in this table contains technical comments and information provided by the PAC Development Team.

The columns presented in Table 2 provide the following information:

Heading	Definition
No.	The ordered numbering of the chemicals as they appear in this alphabetical listing
Chemical Name	The name of the chemical substance submitted to the PAC development team
CASRN	The Chemical Abstract Service Registry Number[1] for each chemical
TEEL-0	This is the threshold concentration below which most people will experience no adverse health effects. This value is always referred to as a TEEL-0 because AEGL-0 and ERPG-0 values do not exist.
PAC-1	Based on the applicable AEGL-1, ERPG-1, or TEEL-1 value
PAC-2	Based on the applicable AEGL-2, ERPG-2, or TEEL-2 value
PAC-3	Based on the applicable AEGL-3, ERPG-3, or TEEL-3 value
Units	The units for the PAC values (ppm or mg/m^3)
Values changed from PAC Rev. 25 TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Any PAC/TEEL values that have changed are indicated in red by name T-0, P-1, P-2, and/or P-3.
Comments	Technical comments are provided by the PAC Development Team. Future efforts include reviewing, revising, and enhancing this information.

Chemicals for which **AEGLs** are available have their chemical name, CASRN, and the AEGL values displayed in a **bolded and larger** font. Chemicals for which **ERPGs** are available, but not AEGLs, have their chemical name, CASRN, and the ERPG values displayed in a **bolded** font. Chemicals for which only TEELs are available, have their chemical name, CASRN, and values displayed using a regular font.

[1] Information on the Chemical Abstract Service and CASRNs is provided at http://info.cas.org/.

Some values in Table 2 have the following text formatting:

- ***Bold, green, and italicized*** font indicates the PAC value is between 10% and up to 50% of the LEL (10% LEL ≤ PAC < 50% LEL).
- ***Bold, underlined, pink and italicized*** font indicates the PAC value is between 50% and up to 100% of the LEL (50% LEL ≤ PAC < 100% LEL).
- ***Bold, double underlined, red and italicized*** font indicates the PAC value is at 100% or more of the LEL (PAC ≥ LEL).

Additional information on PAC values, TEEL values, and links to other sources of information is provided on the Subcommittee for Consequence Assessment and Protective Action (SCAPA) webpage at: http://orise.orau.gov/emi/scapa/teels.htm.

Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1	Acacia; (Gum arabic)	9000-01-5	200	500	500	500	mg/m^3		
2	Acenaphthene	83-32-9	0.4	1.25	7.5	250	mg/m^3		
3	Acenaphthylene	208-96-8	0.06	0.2	1.5	500	mg/m^3		
4	**Acetaldehyde**	**75-07-0**	25	**45**	**270**	**840**	ppm		**Interim AEGL-1, -2, -3**
5	Acetamide	60-35-5	25	75	500	500	mg/m^3		
6	Acetanilide	103-84-4	0.4	1	7.5	50	mg/m^3		
7	**Acetic acid**	**64-19-7**	5	**5**	**35**	**250**	ppm		**ERPG-1, -2, -3**
8	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenyloxy) butane and ethenol	27360-07-2	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found.
9	Acetic acid, 2-propenyl ester	591-87-7	0.5	1.5	10	50	ppm		
10	Acetic acid, lithium salt	546-89-4	12.5	35	250	500	mg/m^3		
11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	4.46	13.4	22.3	500	mg/m^3	T-0	Changed "N" to "Y"
12	Acetic acid, manganese(II) salt (2:1)	638-38-0	3.15	9.45	15.7	500	mg/m^3	T-0	Changed "N" to "Y"
13	**Acetic anhydride**	**108-24-7**	0.5	**0.5**	**15**	**100**	ppm		**ERPG-1, -2, -3**
14	**Acetone**	**67-64-1**	200	**200**	***3200***	***5700***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note
15	Acetone thiosemicarbazide	1752-30-3	20	60	100	100	mg/m^3		
16	Acetone-d6	666-52-4	200	200	***3,200***	***5,700***	ppm		Pchem data from ChemFinder See LEL formatting note.
17	**Acetonitrile**	**75-05-8**	13	**13**	**320**	**670**	ppm		**Interim AEGL-1, -2, -3**
18	Acetonitrile-d3	2206-26-0	13	13	320	670	ppm		ChemFinder MW and MF

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
19	Acetophenone	98-86-2	10	10	60	200	mg/m^3	P-1, P-2, P-3	
20	Acetoxytriphenylstannane	900-95-8	0.345	0.689	20	86.2	mg/m^3		
21	Acetyl bromide	506-96-7	0.2	0.6	4	20	ppm		
22	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	7.5	25	200	500	mg/m^3		
23	Acetyl chloride	75-36-5	0.0025	0.0075	0.05	125	ppm		
24	Acetyl triethyl citrate	77-89-4	6	20	125	500	mg/m^3		
25	Acetylaminofluorene, 2-	53-96-3	2.5	7.5	50	350	mg/m^3	T-0, P-1, P-2	Toxicity data updated.
26	Acetylaminofluorenone, 2-	3096-50-2	0.75	2.5	15	75	mg/m^3		Toxicity data updated.
27	Acetylene	74-86-2	125	350	***2,500***	***6,000***	ppm		See LEL formatting note.
28	**Acrolein**	**107-02-8**	0.03	**0.030**	**0.10**	**1.4**	ppm		**Interim AEGL-1, -2, -3**
29	Acrylamide	79-06-1	0.03	15	60	60	mg/m^3	T-1	
30	Acrylamide, N,N'-methylenebisacrylamide copolymer	25034-58-6	10	30	50	250	mg/m^3		No toxicity data found, PNOS default used
31	**Acrylic acid**	**79-10-7**	1.5	**1.5**	**46**	**180**	ppm		**Interim AEGL-1, -2, -3**
32	Acrylic acid polymers; (Acrylic polymer or resin)	9003-01-4	10	30	200	500	mg/m^3		
33	**Acrylonitrile**	**107-13-1**	2	**10**	**35**	**75**	ppm		**ERPG-1, -2, -3**
34	Acrylyl chloride; (Acryloyl chloride)	814-68-6	0.05	0.15	0.243	10	ppm		
35	**Adamsite; (Phenarsazine chloride)**	**578-94-9**	0.016	**0.016**	**2.6**	**6.40**	mg/m^3		Interim **AEGL-1, -2, -3**
36	Adipic acid	124-04-9	5	5	5	125	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
37	Adipic acid, diethylene glycol, trimethylolpropane, phthalic anhydride, toluenediisocyanate polymer, isocyanate terminated	68609-57-4	10	30	50	250	mg/m^3		No toxicity or pchem data found. Name changed.
38	Adiponitrile	111-69-3	2	3.85	3.85	150	ppm		
39	Aerosol, A-102; (Poly(oxy-1,2-ethanediyl), alpha-(3-carboxy-1-oxo-3-sulfopropyl)-omega-(dodecyloxy)-, disodium salt)	39354-45-5	125	400	500	500	mg/m^3		No pchem data found, assumed density = 1.00.
40	Agar	9002-18-0	500	500	500	500	mg/m^3		
41	Agarose, type VII (low gelling temperature); (Sepharose)	9012-36-6	10	30	50	250	mg/m^3		No data found.
42	Alamine 336	68814-95-9	20	60	500	500	mg/m^3		No pchem data found.
43	Albumin (bovine)	9048-46-8	150	500	500	500	mg/m^3		Used human serum Albumin toxicity data.
44	Alcohol oxidase	9073-63-6	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found.
45	Alcohols, C6-C12 (N.O.S.)	68603-15-6	10	30	50	250	mg/m^3		N.O.S. = Not Otherwise Specified.
46	Aldrin; (1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo,exo-5,8-dimethanonaphthalene)	309-00-2	0.05	1.5	10	25	mg/m^3	**T-0, P-1**	PEL-TWA suppressed
47	Aldrithiol-2; (2,2'-Dithiodipyridine)	2127-03-9	10	30	50	250	mg/m^3		Synonym, MW, MF, MP in ChemFinder.
48	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4	30	75	500	500	mg/m^3		
49	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	1.25	4	25	125	mg/m^3		
50	Alizarine Red S, Monohydrate; (Sodium alizarin-3-sulfonate)	130-22-3	0.6	1.5	12.5	60	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
51	Alkanes, C4-C12	68333-81-3	300	300	385	***1,000***	ppm		Based on octane. MW estimated. See LEL formatting note.
52	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108	2	6	40	200	mg/m^3		
53	Alkyl benzenes (C8-C9)	z-0109	10	30	50	250	mg/m^3		
54	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5	7.5	20	100	100	mg/m^3		
55	Alkylamines	63231-48-1	10	30	50	250	mg/m^3		
56	Alkylbenzene (C10-C16)	68648-87-3	75	250	500	500	mg/m^3		PNOS deleted, toxicity data added.
57	Alkylbenzyldimethyl ammonium chloride, (C12-C18)	68391-01-5	1.25	3.5	25	125	mg/m^3		Added. Data from EPA739-R-06-009 from ExPub.
58	Allene; (1,2-Propadiene)	463-49-0	40	125	750	***4,000***	ppm		See LEL formatting note.
59	**Allyl alcohol**	**107-18-6**	2	**5.1**	**13**	**40**	ppm	P-1, P-2, P3	**Revised Interim AEGL-1, -2, -3**
60	Allyl Bromide; (3-Bromopropene)	106-95-6	4	12.5	75	400	ppm		
61	**Allyl chloride**	**107-05-1**	1	**2.8**	**54**	**140**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
62	**Allyl chlorocarbonate**	**2937-50-0**	0.035	0.1	**0.70**	**2.1**	ppm		**Interim AEGL-2, -3**
63	Allyl isothiocyanate; (Mustard oil)	57-06-7	0.35	1	12.5	12.5	ppm	P-2	New rat oral TDlo.
64	**Allylamine**	**107-11-9**	0.125	**0.42**	**3.3**	**18**	ppm		**Final AEGL-1, -2, -3**
65	Allylmagnesium bromide	1730-25-2	10	30	50	250	mg/m^3		Not found in databases.
66	**Allyltrichlorosilane**	**107-37-9**	0.2	**0.60**	**7.3**	**33**	ppm		**Added Interim AEGL-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
67	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	125	350	500	500	mg/m^3		HSDB & TSCA listed, SAX, RTECS, TSCA CASRN = 98-55-5, RTECS & HC&P CASRN = 2438-12-2
68	Alpha-hydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3	15	50	350	500	mg/m^3		TSCA listed, no toxicity data. Used normal Mandelic acid (CAS 90-64-2) data.
69	Aluminon	569-58-4	4.00E-04	0.00125	0.0075	500	mg/m^3		
70	Aluminum	7429-90-5	1	3	12.5	60	mg/m^3	**T-0, P-1, P-2, P-3**	PEL-TWA supressed
71	Aluminum acetate, basic	7360-44-3	8.9	26.7	44.5	200	mg/m^3		TSCA listed, TSCA MF, MW calculated, no toxicity data.
72	Aluminum carbide	1299-86-1	1	3	5	25	mg/m^3	**T-0, P-1, P-2, P-3**	PEL-TWA suppressed, changed to insoluble Al compound limits. Decompose with water to form methane.
73	Aluminum chloride	7446-70-0	9.88	9.88	60	500	mg/m^3		
74	Aluminum chloride hexahydrate	7784-13-6	17.9	25	150	500	mg/m^3		
75	Aluminum fluoride	7784-18-1	6.23	6.23	10	500	mg/m^3	**P-2, P-3**	
76	Aluminum grey LB; (Acid black 60)	12218-95-0	8.44	25.3	42.2	422	mg/m^3		MF from TSCA, no Al in MF used CR+3 limits
77	Aluminum hexafluorosilicate	17099-70-6	3.51	10.5	17.6	351	mg/m^3		
78	Aluminum hydroxide	21645-51-2	1	3	125	125	mg/m^3	**T-0, P-1**	PEL-TWA suppressed
79	Aluminum oxide hydrate	1333-84-2	1	1.5	15	25	mg/m^3	**T-0**	Found MF in NIH Chemical Information SIS, MW calculated for x = 2(H2.O).
80	Aluminum oxide; (Alumina)	1344-28-1	1	1.5	15	25	mg/m^3	**T-0**	PEL-TWA supressed
81	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7	1	100	500	500	mg/m^3	**T-0**	PEL-TWA suppresed

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
82	**Aluminum phosphide**	**20859-73-8**	0.422	0.422	**2.0**	**3.6**	ppm	**T-0, P-1**	**Final AEGL-2, -3** In moist air forms phosphine
83	Aluminum potassium sulfate	10043-67-1	19.1	57.4	95.7	100	mg/m^3	**T-0, P-1, P-2**	Solubility: 1g/20 mL water
84	Aluminum potassium sulfate, dodecahydrate	7784-24-9	35.2	105	176	500	mg/m^3	**T-0, P-1, P-2**	Solubility: 1g/7.2 mL water
85	Aluminum sulfate	10043-01-3	12.7	12.7	12.7	150	mg/m^3	**T-0, P-1, P-2, P-3**	
86	Aluminum tris(dihydrogen phosphate); (Phosphoric acid, aluminum salt (3:1))	13530-50-2	1	3	5	25	mg/m^3	**T-0, P-1, P-2, P-3**	TSCA listed, no toxicity data PEL-TWA suppressed
87	Aluminum yellow 4A; (Acid yellow 99)	10343-58-5	4.97	14.9	25	249	mg/m^3		MF from TSCA, no Al in MF Used Cr+3 Inorganic exposure limits
88	Aluminum(III) isopropylate	555-31-7	1	3	5	500	mg/m^3	**T-0, P-1, P-2**	Used MF from SAX, RTECS, H&N and ChemFinder Decomposes in water
89	Aluminum(III) nitrate (1:3)	13473-90-0	15.8	15.8	15.8	75	mg/m^3	**T-0, P-1, P-2, P-3**	Changed from insoluble to soluble compound
90	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	27.8	27.8	150	500	mg/m^3	**T-0, P-1**	Changed from insoluble to soluble compound
91	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	1	3	40	200	mg/m^3	**T-0, P-1, P-2, P-3**	PEL-TWA suppressed
92	Amberlite IR-120(PLUS) ion-exchange resin	78922-04-0	2	6	40	200	mg/m^3		ChemFinder listed, no toxicity data found, used Amberlite-LA-1, CASRN 12642-13-6. MSDS CASRN=39389-20-3
93	Amberlite IR-120plus ion-exchange resin, sodium form; (Cation exchange resin)	9002-23-7	2	6	40	200	mg/m^3		Not found in databases, but several RTECS Amberlite IR-120 compound listings. MSDS vp and HHR, CASRN=68441-33-8.
94	Amberlite IRA-400(Cl); (Amberlite IRA-400, ion-exchange resin)	9002-24-8	10	30	50	250	mg/m^3		MSDS has no useful information, but CASRN=122560-63-8. Used PNOS default.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
95	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8	10	30	50	250	mg/m^3		MSDS has no useful information. Used PNOS default.
96	Amberlite MB-1 ion-exchange resin; (Amberlite MB-150)	100915-96-6	20	60	400	500	mg/m^3		MSDS toxicity and pchem data
97	Amberlite XAD-16 resin	104219-63-8	20	60	400	500	mg/m^3		Used Amberlite-MB-1, CASRN = 100915-96-6. Specified CASRN gave XAD-16 (NLM), but MSDS CASRN = 9003-69-4 for XAD-16. Name changed.
98	Amberlite XAD-2 resin, purified	9060-05-3	10	30	50	250	mg/m^3		MSDS has no useful information, used PNOS default.
99	Amberlite XAD-7HP	37380-43-1	10	30	50	250	mg/m^3		MSDS has no useful information, used PNOS default.
100	Amberlyst 15 ion-exchange resin	9037-24-5	10	30	50	250	mg/m^3		Not found in databases; MSDS has CASRN 39389-20-3, but no useful data.
101	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	3.5	10	75	400	mg/m^3		
102	Amino-1-propanol, 3-	156-87-6	0.015	0.04	0.3	500	mg/m^3		
103	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	25	75	500	500	mg/m^3		TSCA listed, MSDS toxicity data.
104	Amino-2-methyl-2-propanol, 1-	2854-16-2	125	400	500	500	mg/m^3	**T-0, P-1, P2**	
105	Amino-4,6-dinitrotoluene, 2-	35572-78-2	6	15	125	500	mg/m^3		
106	Aminoacetaldehyde diethyl acetal; (2,2-Diethoxyethylamine)	645-36-3	7.5	25	150	500	mg/m^3		TSCA listed, no toxicity data found, HHR assumed = 2.
107	Aminoacetaldehyde dimethyl acetal; (2,2-Dimethoxyethylamine)	22483-09-6	10	30	50	250	mg/m^3		
108	Aminoanthraquinone, 2-	117-79-3	7.5	25	150	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
109	Aminobenzoic acid, p-	150-13-0	5	15	100	500	mg/m^3		
110	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	2	6	45	45	mg/m^3		
111	Aminodiphenyl, p-	92-67-1	3.5	10	60	200	mg/m^3	T-0, P-1, P2	
112	Aminoethoxy)ethanol, 2-(2-	929-06-6	12.5	35	250	500	mg/m^3		
113	Aminoethyl)diphenylborinic acid, o-(2-; (Diphenylboronic acid, ethanolamine ester)	524-95-8	0.4	1.25	10	50	mg/m^3		
114	Aminoethylethanolamine	111-41-1	12.5	35	250	500	mg/m^3		
115	Aminoethylpiperazine, N-	140-31-8	2.5	7.5	50	500	mg/m^3		
116	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	0.06	0.15	1.25	6	ppm		
117	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	10	30	50	250	mg/m^3		TSCA listed, no toxicity data.
118	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	0.5	1.5	10	500	mg/m^3		
119	Aminophenol, m-	591-27-5	1	3	20	125	mg/m^3		
120	Aminopropiophenone, 4-	70-69-9	1	3.5	5.6	75	mg/m^3		
121	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	15	50	400	500	mg/m^3		MSDS pchem data.
122	Aminopropyltriethoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	6	15	125	500	mg/m^3		HC&P has BP = 119 C. Duplicate deleted.
123	Aminopterin; (Aminopteridine)	54-62-6	5	15	25	25	mg/m^3		
124	Aminopyrazine	5049-61-6	0.5	1.5	2.5	5	ppm		SAR
125	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	4	12.5	20	20	mg/m^3		
126	Amiton oxalate	3734-97-2	0.6	1.5	3	3	mg/m^3		

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
127	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	0.6	2	3.3	3.3	mg/m^3		
128	Amitrole	61-82-5	0.2	0.6	75	500	mg/m^3	P-2	
129	**Ammonia**	**7664-41-7**	25	**30**	**160**	**1100**	ppm		**Final AEGL-1, -2, -3**
130	Ammonia-d3	13550-49-7	25	30	160	1,100	ppm		Not found in databases MW and MF from ChemFinder
131	Ammonium acetate	631-61-8	2.5	7.5	50	250	mg/m^3		
132	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	4.28	12.5	75	428	mg/m^3		Fluoride exposure limits used
133	Ammonium benzoate	1863-63-4	3.5	10	75	350	mg/m^3		
134	Ammonium bicarbonate	1066-33-7	2	6	40	200	mg/m^3		
135	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	0.025	0.075	0.5	2.5	mg/m^3		
136	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	10	30	50	250	mg/m^3		No toxicity data found. Changed "Y" to "N"
137	Ammonium bromide	12124-97-9	10	35	200	500	mg/m^3		
138	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	0.3	1	6	35	mg/m^3		
139	Ammonium carbonate	506-87-6	0.75	2.5	15	75	mg/m^3		
140	Ammonium chloride	12125-02-9	10	20	500	500	mg/m^3		
141	Ammonium chromate	7788-98-9	0.0146	1.25	7.5	43.9	mg/m^3		
142	Ammonium citrate	7632-50-0	1.25	4	30	150	mg/m^3		PNOS deleted RTECS MW requires 7 (N.H3)
143	Ammonium citrate tribasic	3458-72-8	1.5	5	35	185	mg/m^3		Not found in databases. MSDS pchem data.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
144	Ammonium citrate, dibasic	3012-65-5	2	6	40	200	mg/m^3		No useful toxicity data found, but inhalation caused difficulty breating in humans, therefore "Y" chemical.
145	Ammonium dichromate	7789-09-5	0.0121	1	7.5	36.4	mg/m^3		
146	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	15	50	350	500	mg/m^3		
147	Ammonium ferrous sulfate hexahydrate	7783-85-9	3.19	9.56	15.9	500	mg/m^3		
148	Ammonium fluoborate	13826-83-0	3.45	3.45	6	345	mg/m^3		
149	Ammonium fluoride	12125-01-8	4.88	4.88	4.88	488	mg/m^3		
150	Ammonium formate	540-69-2	7.5	25	200	500	mg/m^3		
151	Ammonium hexachlorohydrate (III)	z-0001	10	30	50	250	mg/m^3		
152	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	3.91	11.7	20	391	mg/m^3		
153	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	3.75	10	75	375	mg/m^3		Added IDLH for fluorides.
154	Ammonium hydrogen oxalate hemihydrate	37541-72-3	7.5	25	150	500	mg/m^3		Not found in databases. ChemFinder MF, MW. MSDS HHR = 2.
155	Ammonium hydroxide	1336-21-6	2	6	40	100	ppm		
156	Ammonium iodide	12027-06-4	4	12.5	75	400	mg/m^3		
157	Ammonium lactate	515-98-0	10	35	200	500	mg/m^3		CASRN changed from 52003-58-4. Toxicity data added,
158	Ammonium lignin sulfonate	8061-53-8	10	30	50	250	mg/m^3		
159	Ammonium molybdate(VI) tetrahydrate	12054-85-2	0.92	2.76	4.6	150	mg/m^3	**T-0, P-1, P-2**	Soluble compound of Mo. HC&P has MW = 1235.86, adding 4(H2.O). PEL-TWA and IDLH supressed.

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
160	Ammonium molybdate; (Diammonium molybdate)	13106-76-8	30.7	61.3	102	300	mg/m^3		Insoluble Mo compound HSDB has incorrect MF and MW
161	Ammonium molybdophosphate	12026-66-3	0.815	2.44	4.07	500	mg/m^3	**T-0, P-1, P-2, P-3**	Soluble Mo compounds
162	Ammonium nickel sulfate	15699-18-0	0.489	1.47	2.5	48.9	mg/m^3	**T-0, P-1, P-2**	Soluble nickel exposure limits PEL-TWA suppressed Solubility: 1g/100 mL water
163	Ammonium nitrate	6484-52-2	0.015	0.04	0.3	500	mg/m^3		PNOS deleted.
164	Ammonium oxalate monohydrate	5972-73-6	1.5	4	30	150	mg/m^3		This CASRN in H&N, with MW = 125.08
165	Ammonium oxalate; (Diammonium oxalate monohydrate)	6009-70-7	1.5	4	30	150	mg/m^3		
166	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	0.15	0.5	4	20	mg/m^3		
167	Ammonium pentaborate	12007-89-5	10	30	50	250	mg/m^3		
168	Ammonium perchlorate	7790-98-9	5	15	100	500	mg/m^3		
169	Ammonium permanganate	13446-10-1	0.2	3	5	500	mg/m^3		Used manganese exposure limits.
170	Ammonium persulfate	7727-54-0	0.1	2.5	20	100	mg/m^3		
171	Ammonium phosphate dibasic	7783-28-0	10	30	50	250	mg/m^3		
172	Ammonium picrate	131-74-8	10	30	50	250	mg/m^3		No toxicity data found. Concentration dependence (Y) suppressed.
173	Ammonium polyacrylate	9003-03-6	10	30	50	250	mg/m^3		TSCA listed, no toxicity data, no MSDS, assumed solid.
174	Ammonium sulfamate	7773-06-0	15	50	350	500	mg/m^3	**P-1**	
175	Ammonium sulfate	7783-20-2	40	125	500	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
176	Ammonium sulfide	12135-76-1	3.5	10	15	15	ppm		
177	Ammonium sulfite	10196-04-0	10	10	10	10	mg/m^3		Soluble compound, irritation in humans.
178	Ammonium sulfite monohydrate	7783-11-1	10	30	50	250	mg/m^3		HC&P listed, no toxicity data found
179	Ammonium tartrate; (Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, ammonium salt)	14307-43-8	10	30	50	250	mg/m^3		No useful data found. Changed "Y" to "N".
180	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	1.5	5	40	200	mg/m^3		Changed "Y" to "N", since no evidence of irritation found.
181	Ammonium thiocyanate	1762-95-4	12.5	35	200	200	mg/m^3		
182	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	7.5	25	200	500	mg/m^3		PNOS deleted
183	Ammonium tungstate(VI)	11120-25-5	1.38	4.14	4.14	4.14	mg/m^3		TSCA, HC&P listed, no toxicity data.
184	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	0.0322	0.4	3.22	22.5	mg/m^3	**P-1, P-2, P-3**	As vanadium pentoxide, TLV-TWA and PEL-C
185	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	0.035	0.1	0.75	150	mg/m^3		
186	Ammonium, tetraethyl-, bromide; (Tetraethyl ammonium bromide)	71-91-0	1.25	4	30	40	mg/m^3		
187	Ammonium, tetramethyl-, bromide; (Tetramethylammonium bromide)	64-20-0	0.2	0.6	4	20	mg/m^3		
188	Amosite	12172-73-5	0.005	0.05	20	100	mg/m^3		1 fiber/cc = 0.05 mg/m3 assumed.
189	Amphetamine; (Benzedrine)	300-62-9	4	12.5	20	20	mg/m^3		
190	Amyl acetate	628-63-7	100	100	100	1,000	ppm		SAX toxicity data not in RTECS.
191	Amyl alcohol; (1-Pentanol)	71-41-0	20	20	20	35	ppm		WEEL-TWA suppressed because > MAK-TWA and >> toxicity-based T-2, T-3.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
192	Amyl methyl ether, tert-; (TAME)	994-05-8	20	125	125	125	ppm		
193	Amylamine, n-; (1-Pentylamine)	110-58-7	0.3	0.75	6	30	mg/m^3		
194	**Amyltrichlorosilane; (Pentyltrichlorosilane)**	**107-72-2**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**
195	Anhydrone; (Magnesium perchlorate)	10034-81-8	6	15	125	500	mg/m^3		
196	**Aniline**	**62-53-3**	5	**8.0**	**12**	**20**	ppm		**Final AEGL-1, -2, -3**
197	Anisidine, o-	90-04-0	0.5	1.5	10	50	mg/m^3	P-2	
198	Anisidine, p-	104-94-9	0.5	1.5	30	50	mg/m^3	P-2	
199	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	4	12.5	75	400	mg/m^3		
200	Anthracene	120-12-7	1.5	4	30	500	mg/m^3	P-3	
201	Anthracenedisulfonic acid, 4,8-diamino-9,10-dihydro-1,5-dihydroxy-9,10-dioxo, disodium salt, 2,6-; (Acid Blue 45; Alizarine Blue)	2861-02-1	12.5	35	250	500	mg/m^3		
202	Anthranilic acid	118-92-3	4	12.5	100	500	mg/m^3		
203	Anthraquinone	84-65-1	5	15	100	500	mg/m^3		PNOS deleted
204	Antimony	7440-36-0	0.5	1.5	20	50	mg/m^3		
205	Antimony hydroxide	39349-74-1	0.71	2	12.5	71	mg/m3	**New addition**	
206	Antimony oxide	1309-64-4	0.599	0.599	2	59.9	mg/m^3	P-1, P-2	
207	Antimony pentachloride	7647-18-9	1.23	3.68	6.14	123	mg/m^3		
208	Antimony pentafluoride	7783-70-2	0.89	0.89	2.7	89	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
209	Antimony pentasulfide	1315-04-4	0.829	2.49	4.15	82.9	mg/m^3		
210	Antimony potassium tartrate trihydrate	28300-74-5	1.37	4.11	6.86	137	mg/m^3		
211	Antimony trichloride	10025-91-9	0.937	1	7.5	93.7	mg/m^3	P-1, P-2	
212	Antimony trifluoride	7783-56-4	0.734	0.734	4	73.4	mg/m^3		
213	Antimycin A	1397-94-0	0.35	1	1.8	12.5	mg/m^3		
214	Antioxidant G-16 (most toxic antioxident)	61373-87-3	1.25	3.5	25	125	mg/m^3		
215	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	0.51	1.13	22.5	97.9	ppm		0.75 HCl+0.25 HNO3, MW from H&N.
216	Arginine, L-	74-79-3	10	30	50	250	mg/m^3		No useful data found
217	Argon	7440-37-1	65,000	65,000	2.30E+05	4.00E+05	ppm		Simple asphyxiant Combined with former entry for cryogenic
218	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic)	64742-95-6	250	750	750	750	ppm	T-0	
219	Aromatic isocyanate mixture "SWD 305A"	z-0111	1.25	4	20	125	mg/m^3		Used 52% 9016-87-9, 5% 26447-40-5, 42% 101-68-8, 1% 103-71-9.
220	Arsenic	7440-38-2	0.01	0.35	2	5	mg/m^3		REL-C suppressed.
221	Arsenic acid; (o-Arsenic acid)	7778-39-4	0.0189	0.4	3	9.5	mg/m^3		Deleted duplicate entry with same name MF, MW CASRN 1327-52-2
222	Arsenic pentoxide	1303-28-2	0.0153	1	7.7	7.7	mg/m^3		
223	**Arsenic trioxide**	**1327-53-3**	0.0132	0.4	**3.0**	**9.1**	mg/m^3		**Interim AEGL-2, -3**
224	Arsenous acid	13464-58-9	0.0168	0.25	1.5	8.4	mg/m^3		Exposure limits as As

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
225	Arsenous trichloride	7784-34-1	0.0242	0.2	1.35	12.1	ppm		Exposure limits as As
226	**Arsine**	**7784-42-1**	0.005	0.025	**0.17**	**0.50**	ppm	T-0, P-1	**Final AEGL-2, -3** PEL-TWA suppressed
227	Asbestos	1332-21-4	0.005	0.05	0.06	0.3	mg/m^3		Conversion used 1 fiber per cc = 0.05 mg/m3
228	Asbestos (Chrysotile)	12001-29-5	0.005	0.05	15	250	mg/m^3	P-2	Conversion used 1 fiber per cc = 0.05 mg/m3
229	Ascaridole	512-85-6	0.75	2.5	20	75	mg/m^3		
230	Ascarite; (Asbestos, 1332-21-4)	81133-20-2	0.1	0.3	0.5	2.5	mg/m^3		Assumed not to be "Ascarite-2", which does not contain asbestos.
231	Ascorbic acid	50-81-7	60	200	500	500	mg/m^3		
232	Asphalt; (Bitumen)	8052-42-4a	0.5	7.5	50	250	mg/m^3	P-1, P-2, P-3	See also Petroleum asphalt, SAX PCR500
233	Auramine; (4,4'-(Imidocarbonyl)bis(N,N-dimethylamine) monohydrochloride)	2465-27-2	2.5	7.5	60	60	mg/m^3		Synonym changed. PNOC deleted, MW corrected to RTECS and HSDB.
234	Azaserine; (L-Serine, diazoacetate (ester))	115-02-6	0.0125	0.04	0.25	75	mg/m^3		
235	Azinphos ethyl; (Ethyl guthion)	2642-71-9	0.75	2	3.9	150	mg/m^3		
236	Azinphos methyl; (Guthion)	86-50-0	0.2	0.6	0.7	10	mg/m^3		
237	Aziridine homopolymer; (Ethylenimine homopolymer; Poly(ethyleneimine))	9002-98-6	5	15	100	500	mg/m^3		Lowest MW compound selected.
238	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	7.5	25	150	300	mg/m^3		
239	Azodicarbamide; (Azodicarbonamide)	123-77-3	40	125	200	200	mg/m^3		
240	Bacto peptone	51142-18-8	10	30	50	250	mg/m^3		Not in databases, no useful data in MSDS.
241	Barbituric acid	67-52-7	2	6	40	200	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
242	Barium	7440-39-3	0.5	1.5	50	50	mg/m^3		
243	Barium acetate; (Barium acetate anhydrous)	543-80-6	0.93	2.79	4.65	93	mg/m^3		Ba sol compounds as Ba:
244	Barium carbonate	513-77-9	0.5	1.5	6	50	mg/m^3		Ba sol compounds as Ba:
245	Barium chloride	10361-37-2	0.5	1.5	2.5	50	mg/m^3	**P-2**	Ba sol compounds as Ba:
246	Barium chloride dihydrate	10326-27-9	0.889	2.67	4.45	88.9	mg/m^3		Ba sol compounds as Ba:
247	Barium chromate	10294-40-3	0.0246	0.147	0.25	73.7	mg/m^3	**P-1, P-2**	Chromium(VI) exposure limits
248	Barium cyanide	542-62-1	0.69	2.07	3.5	69	mg/m^3		Ba sol compounds as Ba:
249	Barium dioxide; (Barium peroxide)	1304-29-6	0.617	1.5	12.5	61.7	mg/m^3		Ba sol compounds as Ba:
250	Barium diphenylamine sulfonate	6211-24-1	2.31	6.92	11.5	231	mg/m^3		Ba sol compounds as Ba:
251	Barium fluoride	7787-32-8	0.638	1.91	63.8	63.8	mg/m^3		Ba sol compounds as Ba:
252	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	0.849	2.55	4.25	84.9	mg/m^3		Ba sol compounds as Ba:
253	Barium hydroxide	17194-00-2	0.624	1.87	3.12	62.4	mg/m^3		Ba sol compounds as Ba:
254	Barium hydroxide octahydrate	12230-71-6	1.15	3	20	115	mg/m^3		Ba sol compounds as Ba:
255	Barium metaborate	13701-59-2	0.5	1.5	50	50	mg/m^3	**T-0, P-1, P-2, P-3**	Slightly soluble Ba compound, as hydrated forms
256	Barium nitrate	10022-31-8	0.951	6	50	95.1	mg/m^3	**P-1, P2**	Ba sol compounds as Ba:
257	Barium nitrite	13465-94-6	0.835	2.5	4.17	83.5	mg/m^3		Ba sol compounds as Ba:
258	Barium oxide	1304-28-5	0.558	1.67	2.79	55.8	mg/m^3		Ba sol compounds as Ba:
259	Barium permanganate	7787-36-2	6.83	20.5	34.1	34.1	mg/m^3	**T-0**	Sparingly sol in H2O Mn compound exposure limits, as Mn

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
260	Barium phosphate	13466-20-1	40	125	200	500	mg/m^3	T-0, P-1, P2	Insol in H2O Used phosphoric acid IDLH
261	Barium stearate	6865-35-6	10	30	200	500	mg/m^3		SAX & TSCA have H72, MW=706.4; RTECS & H&N have H70, MW=704.40.
262	Barium sulfate	7727-43-7	15	30	50	500	mg/m^3	P-2	Solubility: 0.246 mg/100 mL H20 @ 25ºC
263	Basic Green 4; (Aizen malachite green)	569-64-2	0.35	1	6	35	mg/m^3		
264	Basic Red 1; (Rhodamine 6G extra base)	989-38-8	0.025	0.075	0.6	2.5	mg/m^3		
265	Bathophenanthroline	1662-01-7	75	250	500	500	mg/m^3		MSDS states non-hazardous, therefore assume HHR = 1.
266	Bentonite; (Clay absorbent)	1302-78-9	10	30	30	30	mg/m^3		
267	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	0.2	0.6	4	20	mg/m^3		
268	Benzal chloride	98-87-3	0.1	0.3	2.3	30	mg/m^3	T-0, P-1, P-3	
269	Benzaldehyde	100-52-7	2	4	4	150	ppm		
270	Benzamide	55-21-0	3	10	60	350	mg/m^3		
271	Benzenamine, sulfate (2:1)	542-16-5	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found.
272	**Benzene**	**71-43-2**	1	**52**	**800**	***4000***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note
273	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	0.15	0.5	4	300	mg/m^3		Toxicity data updated.
274	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	5	15	28	125	mg/m^3		
275	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	1.35	4.05	6.74	40	mg/m^3	T-0, P-1, P-2, P-3	As PEL-TWA > LOC, TEEL-3 < LOC LOC & LD50 suppressed
276	Benzene-d6; (Deuterated benzene)	1076-43-3	1	52	800	***4,000***	ppm		See LEL formatting note.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
277	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	40	125	200	200	mg/m^3		
278	Benzenesulfonic acid, 4-chloro	98-66-8	2	6	40	200	mg/m^3		
279	Benzenesulfonic acid, 5-chloro-2	z-0114	2	6	50	200	mg/m^3		Not found in databases
280	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	1.5	5	15	15	mg/m^3		
281	**Benzenethiol; (Thiophenol; Phenyl mercaptan)**	**108-98-5**	0.1	0.1	**0.53**	**1.6**	ppm		**Interim AEGL-2, -3**
282	Benzidene	92-87-5	0.15	0.5	3.5	125	mg/m^3		
283	Benzo(a)anthracene	56-55-3	0.006	0.02	0.15	15	mg/m^3	T-0, P-1, P-2	
284	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	0.2	1.5	10	80	mg/m^3	P-1, P-2	IDLH for coal tar volatiles
285	Benzo(ghi)perylene	191-24-2	10	30	50	250	mg/m^3		No toxicity data found.
286	Benzo(k)fluoranthene	207-08-9	0.2	0.6	4	20	mg/m^3		
287	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7	1.5	5	35	150	mg/m^3		Not found in databases. MSDS MW, SG.
288	Benzoic acid	65-85-0	4	12.5	75	400	mg/m^3		
289	Benzoic acid, sodium salt	532-32-1	100	350	500	500	mg/m^3		No pchem data found.
290	Benzoin oxime	441-38-3	0.6	1.5	12.5	60	mg/m^3		Rat LD > 500 mg/kg. No pchem data found.
291	**Benzonitrile**	**100-47-0**	1	3	**22**	**56**	ppm		**Interim AEGL-2, -3** Units changed.
292	Benzophenone	119-61-9	0.5	1.5	350	500	mg/m^3		
293	Benzoquinone, p-; (Quinone)	106-51-4	0.1	0.35	2.5	22.6	ppm	P-1, P-2	

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
294	Benzothiazole	95-16-9	5	15	100	150	mg/m^3		
295	Benzotriazole	95-14-7	0.025	0.075	0.5	250	mg/m^3		
296	Benzotrifluoride	98-08-8	6.41	15	125	500	mg/m^3		
297	**Benzoyl chloride**	**98-88-4**	0.1	**0.3**	**5**	**20**	ppm		**ERPG-1, -2, -3**
298	Benzoyl peroxide	94-36-0	5	5	5	500	mg/m^3		
299	Benzyl acetate	140-11-4	10	10	10	30	ppm		
300	Benzyl alcohol	100-51-6	10	150	150	150	ppm	P-1	
301	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	5	15	100	500	mg/m^3		rat LC50, 240 minutes assumed
302	Benzyl benzoate	120-51-4	12.5	35	250	500	mg/m^3		
303	**Benzyl chloride**	**100-44-7**	1	**1**	**10**	**50**	ppm		**ERPG-1, -2, -3**
304	**Benzyl chloroformate; (Carbobenzoxy chloride)**	**501-53-1**	0.04	0.125	**0.97**	**2.9**	ppm		**Interim AEGL-2, -3** Units changed.
305	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	0.2	0.6	4.3	30	mg/m^3		
306	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	0.35	1	7	10	mg/m^3		Toxicity concentration dependence changed from "N" to "Y"
307	Benzylamine	100-46-9	2.5	7.5	50	250	mg/m^3		
308	Benzyldimethylamine; (Dimethylbenzylamine, N,N-; BDMA)	103-83-3	1	3	20	200	mg/m^3		
309	Benzyldimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	5	15	100	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
310	Benzylmagnesium chloride	6921-34-2	1.5	5	35	150	mg/m^3		TSCA listed. Water reactive, it is in solution of diethyl ether or tetrahydrofuran. No toxicity data found.
311	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	0.1	0.35	2.5	12.5	mg/m^3		
312	**Beryllium**	**7440-41-7**	5.00E-05	0.0035	**0.025**	**0.1**	mg/m^3	**T-0**	**ERPG-2, -3** PEL-TWA supressed
313	Beryllium chloride	7787-47-5	4.43E-04	0.006	0.0443	35.5	mg/m^3	**T-0, P-1**	PEL-TWA supressed
314	Beryllium fluoride	7787-49-7	2.61E-04	0.0035	0.0261	20.9	mg/m^3	**T-0, P-1**	PEL-TWA supressed
315	Beryllium hydroxide	13327-32-7	2.39E-04	0.035	0.239	19.1	mg/m^3	**T-0**	PEL-TWA supressed
316	Beryllium nitrate	13597-99-4	0.00104	1.5	10.4	83	mg/m^3	**T-0, P-1, P-2, P-3**	PEL-TWA supressed
317	Beryllium oxide	1304-56-9	1.39E-04	0.2	1.39	11.1	mg/m^3	**T-0**	PEL-TWA supressed
318	Betaine, anhydrous; (Glycine betaine)	107-43-7	40	125	500	500	mg/m^3		
319	Bicyclo(2.2.1)heptane-2-carbonitrile, 5-chloro-6-((((methylamino)carbonyl)oxy)imino)-, (1S-(1-alpha,2-beta,4-alpha,5-alpha,6E))-; (Tranid)	15271-41-7	3.5	10	19	19	mg/m^3		Names vary from source to source, CASRN identifies.
320	Bioxirane, 2,2'-; (1,2:3,4-Diepoxybutane)	1464-53-5	0.04	0.125	0.995	10	ppm		
321	Biphenylol, 4-	92-69-3	10	35	60	60	mg/m^3		
322	Biphenylol, sodium salt, 2-	132-27-4	2.5	7.5	60	300	mg/m^3		
323	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	4	12.5	75	400	mg/m^3		
324	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	2	6	40	400	mg/m^3		
325	Bis(1-methylethyl)benzene, 1,4-; (p- or 1,4-Diisopropylbenzene)	100-18-5	6	20	150	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
326	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	5	15	100	500	mg/m^3		
327	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	30	100	500	500	mg/m^3		
328	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	6	15	125	200	ppm		
329	Bis(2-chlorethylthioethyl) ether; (2,2'-Di(3-chloroethylthio)diethyl ether)	63918-89-8	0.3	0.75	6	30	mg/m^3		
330	Bis(2-chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	1	3	20	100	mg/m^3		
331	**Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)**	**505-60-2**	0.0035	**0.010**	**0.020**	**0.32**	ppm		**Final AEGL-1, -2, -3**
332	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8	0.06	0.15	1.25	6	mg/m^3		
333	Bis(2-chloroethylthio)methane	63869-13-6	0.05	0.15	1	5	mg/m^3		Not found in databases.
334	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7	0.06	0.2	1.25	6	mg/m^3		Not found in databases.
335	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8	0.075	0.2	1.5	7.5	mg/m^3		Not found in databases.
336	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2	0.06	0.15	1.25	6	mg/m^3		Not found in databases.
337	Bis(2-chloroethylthiomethyl)ether	63918-90-1	0.06	0.15	1.25	6	mg/m^3		Not found in databases.
338	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	75	250	500	500	mg/m^3		
339	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	0.02	0.06	0.4	2	mg/m^3		
340	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	0.075	0.2	1.5	7.5	mg/m^3		No pchem data found, 17W mammal LClo ignored.
341	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	0.004	0.01	0.075	100	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
342	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	10	30	50	250	mg/m^3		No useful data found.
343	Bis(3-tert-butyl-4-hydroxy-6-methylphenyl) sulfide; (4,4'-Thiobis(6-tert-butyl-m-cresol))	96-69-5	15	30	300	500	mg/m^3		
344	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	0.125	0.4	2	2	mg/m^3		
345	Bis(chloromethyl)oxetane, 3,3-	78-71-7	0.4	1.25	2	75	mg/m^3		
346	Bis(dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	0.4	1.25	7.5	40	mg/m^3		
347	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	4.7	14.1	23.5	470	mg/m^3		No toxicity data found.
348	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	10	30	50	250	mg/m^3		Not listed in databases. ChemFinder listed, MSDS pchem data.
349	Bis[(benzo-15-crown-5)-15-ylmethyl] pimelate	69271-98-3	10	30	50	250	mg/m^3		Not found in databases.
350	Bisbutenylenetetrahydrofurfural; (2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	10	30	200	500	mg/m^3		
351	Bismuth	7440-69-9	1.5	5	40	200	mg/m^3		
352	Bismuth acetate	22306-37-2	10	30	50	250	mg/m^3		HSDB, HC&P listed, no toxicity data, MSDS HHR =2.
353	Bismuth germanate	12233-73-7	1.5	5	40	200	mg/m^3		
354	Bismuth hydroxide	10361-43-0	1	1	3	100	mg/m^3		**SAR**
355	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	7.5	20	150	500	mg/m^3		
356	Bismuth iodide	7787-64-6	1.5	5	35	150	mg/m^3		TSCA listed, ChemFinder pchem data. HHR = 3
357	Bismuth nitrate	10361-44-1	1.25	4	25	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
358	Bismuth oxide	1304-76-3	20	60	400	500	mg/m^3		
359	Bismuth oxychloride; (Bismuth chloride oxide)	7787-59-9	75	250	500	500	mg/m^3		
360	Bismuth(III) nitrate, pentahydrate	10035-06-0	2	6	40	500	mg/m^3		
361	Bisphenol A diglycidyl ether	1675-54-3	1.25	3.5	6	6	mg/m^3		
362	Bisphenol A; (4,4'-Isopropylidenediphenol)	80-05-7	5	5	5	500	mg/m^3	P-1, P2	
363	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	4	12.5	20	20	mg/m^3		
364	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b))	z-0110	10	30	50	250	mg/m^3		Not found in databases. MF, MW from MSDS.
365	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	0.1	0.3	2	10	ppm		
366	Borane-tetrahydrofuran	14044-65-6	5	15	25	125	mg/m^3		No toxicity data, unstable
367	Borate	14213-97-9	2	6	10	50	mg/m^3		Conc. Dependence "Y" suppressed to prevent P-1 = P-2 = P-3
368	Boric acid	10043-35-3	2	6	150	150	mg/m^3	P-2, P-3	
369	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	1	3	20	100	ppm		
370	Boron	7440-42-8	1.5	4	30	250	mg/m^3	T-0, P-1, P-2	Rat oral dose reproductive data not used.
371	Boron carbide	12069-32-8	40	125	500	500	mg/m^3		New toxicity data found.
372	Boron nitride	10043-11-5	400	500	500	500	mg/m^3		Rat LD > 50 g/kg
373	Boron oxide	1303-86-2	15	30	300	500	mg/m^3		
374	**Boron tribromide**	**10294-33-4**	0.1	**0.33**	**7.3**	**40**	ppm		**Interim AEGL-1, -2, -3**
375	Boron trichloride	10294-34-5	0.1	0.3	2.09	2.5	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
376	**Boron trifluoride**	**7637-07-2**	0.75	**2.5**	**37**	**110**	mg/m^3		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
377	Boron trifluoride dihydrate	13319-75-0	0.75	2.5	37	110	mg/m3	**New addition**	Used boron trifluoride (7637-07-2) PAC values
378	Boron trifluoride etherate	109-63-7	9.34	25	150	500	mg/m^3		
379	**Boron trifluoride-dimethyl ether**	**353-42-4**	0.75	**2.5**	**37**	**110**	mg/m^3		**Interim AEGL-1, -2, -3**
380	Botulinum toxin-A	93384-43-1	1.50E-09	4.00E-09	3.00E-08	3.00E-05	mg/m^3		Dose 2.8 units/kg, assume unit = 1 ng
381	Botulinum toxin-B	93384-44-2	4.00E-06	1.25E-05	1.50E-05	1.50E-05	mg/m^3		TDlo is 171 units/kg, assume unit = 1 ng
382	Botulinum toxin-F	107231-15-2	7.50E-08	2.00E-07	1.50E-06	1.00E-05	mg/m^3		
383	Botulinum, clostridium	z-0119	6.00E-09	1.50E-08	1.25E-07	6.00E-07	mg/m^3		
384	Brij-35; (alpha-Dodecyl-omega-hydroxypoly(oxyethylene))	9002-92-0	0.15	0.5	3.5	400	mg/m^3		
385	Brilliant blue; (Acid blue 9)	2650-18-2	0.06	0.06	0.06	0.06	mg/m^3		T-0, T-1, T-2 > T-3
386	Bromadiolone	28772-56-7	0.2	0.6	1	1	mg/m^3		
387	**Bromine**	**7726-95-6**	0.033	**0.033**	**0.24**	**8.5**	ppm		**Interim AEGL-1, -2, -3**
388	**Bromine chloride**	**13863-41-7**	0.15	**0.5**	**2.5**	**7.6**	ppm		**Interim AEGL-1, -2, -3**
389	**Bromine pentafluoride**	**7789-30-2**	0.1	0.15	**1.0**	**33**	ppm		**Interim AEGL-2, -3**
390	**Bromine trifluoride**	**7787-71-5**	0.04	**0.12**	**2.0**	**21**	ppm		**Interim AEGL-1, -2, -3** Units changed
391	Bromo acetic acid, methyl ester	96-32-2	0.25	0.75	5	25	mg/m^3		Pchem data differs in SAX, HC&P, ChemFinder.
392	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	2	6	40	200	mg/m^3	**T-0, P-1, P-2, P-3**	

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
393	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	50	150	1,000	5,000	ppm		Deleted Halon 1301, CASRN = 75-63-8, from synonyms.
394	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3-chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2	6	15	125	500	mg/m^3		
395	Bromo-3-methylbutane, 1-	107-82-4	4	12.5	75	400	ppm		
396	Bromoacetaldehyde diethyl acetal	2032-35-1	7.5	25	150	500	mg/m^3		TSCA listed. MSDS HHR = 2.
397	Bromoacetic acid	79-08-3	0.04	0.125	0.75	4	mg/m^3		Corrosive to skin and mucous membranes.
398	**Bromoacetone**	**598-31-2**	0.0035	**0.011**	**0.33**	**0.98**	ppm	T-0, P-1, P-2, P-3	New interim **AEGL-1, -2, -3**
399	Bromoanisole, 3-; (1-Bromo-3-methoxybenzene)	2398-37-0	10	30	50	250	mg/m^3		No toxicity data, no HHR found.
400	Bromobenzene; (Phenyl bromide)	108-86-1	1.25	4	25	350	ppm	T-0, P-1, P-2	
401	Bromochlorobenzene, m-	108-37-2	10	30	50	250	mg/m^3		Listed in RTECS, no toxicity data.
402	Bromochlorobenzene, p-	106-39-8	10	30	50	250	mg/m^3		Listed in RTECS, no toxicity data.
403	Bromochloromethane	74-97-5	200	600	2,000	2,000	ppm		
404	Bromocresol green; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-])	76-60-8	1	3.5	25	500	mg/m^3		Toxicity data found
405	Bromocresol purple; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-6-methyl-])	115-40-2	1	3	25	500	mg/m^3	P-2	No toxicity data found. TEELs based on bromocresol green, 76-60-8
406	Bromocyclohexanol, cis-2-	16536-57-5	0.04	0.125	0.75	40	ppm		SAR
407	Bromodecane, 1-	112-29-8	1.5	5	35	150	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
408	Bromodichloromethane	75-27-4	1.5	4	30	150	mg/m^3		
409	Bromododecane, 1-	143-15-7	7.5	25	150	500	mg/m^3		TSCA listed, MSDS HHR = 2.
410	Bromoethane; (Ethyl bromide)	74-96-4	5	750	2,000	2,000	ppm		PEL-TWA ignored.
411	Bromoethanol, 2-; (Ethylene bromohydrin)	540-51-2	0.075	0.2	1.5	60	mg/m^3		
412	Bromoethylmagnesium	925-90-6	1.5	5	35	150	mg/m^3		TSCA listed, no toxicity data found, MSDS HHR = 3.
413	Bromofluorobenzene, 4-; (p-Fluorobromobenzene)	460-00-4	75	200	500	500	mg/m^3		
414	Bromoform; (Tribromomethane)	75-25-2	0.5	25	200	850	ppm	P-1, P-2	
415	Bromohexane; (n-Hexyl bromide)	111-25-1	40	125	750	4,000	ppm		
416	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	10	30	50	250	mg/m^3		TSCA & HC&P listed. No toxicity data found.
417	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	7.5	25	150	500	mg/m^3		TSCA listed, no toxicity data found, MSDS HHR.
418	Bromonaphthalene	90-11-9	3.5	10	60	350	mg/m^3		
419	Bromonitromethane	563-70-2	0.75	2.5	15	75	mg/m^3		MSDS HHR = 2.
420	Bromooctane , 1-; (Octyl bromide)	111-83-1	2.5	7.5	50	250	ppm		
421	Bromophenol blue; (Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2,6-dibromo-, S,S-dioxide))	115-39-9	10	30	50	250	mg/m^3		RTECS, TSCA, HC&P listed, no toxicity data found.
422	Bromophenyl phenyl ether, 4-	101-55-3	2	6	40	200	mg/m^3		
423	Bromopropane, 1-	106-94-5	10	30	2,500	2,500	ppm		
424	Bromopropane, 2-	75-26-3	600	1,500	12,500	25,000	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
425	Bromopyrene, 3-	1714-29-0	10	30	50	250	mg/m^3		Not found in databases, assumed solid or non-volatile liquid.
426	Bromosuccinimide, N-	128-08-5	2	6	40	200	mg/m^3		
427	Bromothymol blue; (Dibromothymolsulfonphthalein)	76-59-5	10	30	50	250	mg/m^3		RTECS, TSCA, HC&P listed, no toxicity data.
428	Bromotoluene, A-; (Benzyl bromide)	100-39-0	0.6	1.5	12.5	60	mg/m^3		
429	Bromotrichloromethane	75-62-7	0.06	0.15	1.25	6	ppm		
430	Bromotrifluoroethylene	598-73-2	1.07	3.22	107	107	ppm		
431	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	1,000	3,500	25,000	40,000	ppm		
432	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	1.5	5	35	150	mg/m^3		TSCA listed, no yoxicity data found, MSDS HHR = 3.
433	Brown menhaden fish oil	68440-42-6	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found
434	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	0.3	0.75	6	40	mg/m^3	T-0, P-1, P-2	
435	**Butadiene, 1,3-**	**106-99-0**	1	**670**	***5300***	***22000***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note
436	Butanaminium, N,N,N-tributyl-1-, bromide; (Tetrabutylammonium bromide)	1643-19-2	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found.
437	**Butane**	**106-97-8**	1,000	***5500***	***17000***	***53000***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note
438	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	5	15	100	500	ppm		
439	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	3.5	10	75	350	ppm		
440	Butanediol dinitrate, 1,4-	3457-91-8	0.05	0.125	0.4	3	ppm		SAR
441	Butanediol, 1,3-	107-88-0	25	75	500	500	mg/m^3		
442	Butanediol, 1,4-; (1,4-Tetramethylene glycol)	110-63-4	1.25	3.5	25	250	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
443	Butanedione, 2,3-	431-03-8	20	60	400	400	mg/m^3		
444	Butanenitrile; (Butyronitrile)	109-74-0	8	24	40	50	ppm		
445	Butanephosphonic acid	3321-64-0	0.02	0.06	0.4	2	mg/m^3		SAR
446	Butanethiol; (n-Butyl mercaptan)	109-79-5	0.5	7.5	50	500	ppm		PEL-TWA suppressed
447	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	1.5	5	35	150	ppm		
448	Butanol, aluminum salt, 2-	2269-22-9	18.3	54.8	91.3	400	mg/m^3		TSCA, HC&P listed no toxicity data
449	Butanol-d10, n-	34193-38-9	20	20	50	***1,400***	ppm		
450	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	10	40	100	100	ppm		
451	**Butanone, 2-; (Methyl ethyl ketone; MEK)**	**78-93-3**	200	**200**	***2700***	***4000***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note
452	Butene, 1-; (Butylene)	106-98-9	250	750	***50,000***	***75,000***	ppm		HSDB toxicity data used, See LEL formatting note.
453	Butene, 2-	107-01-7	250	750	1,250	***60,000***	ppm		New TLV-TWA, RTECS data used, See LEL formatting note.
454	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	250	***65,000***	***2.30E+05***	***4.00E+05***	ppm		New TLV-TWA, Simple asphyxiant. See LEL formatting note.
455	Butene, trans-2-; (trans-1,2-Dimethylethylene)	624-64-6	250	750	***40,000***	***75,000***	ppm		HSDB toxicity data used See LEL formatting note.
456	Butoxyethanol acetate, 2-; (Ethylene glycol monobutyl ether acetate)	112-07-2	20	60	100	150	ppm		
457	Butoxyethanol phosphate, 2-	78-51-3	7.5	20	150	500	mg/m^3		
458	Butoxyethanol, 2-; (Glycol ether EB)	111-76-2	50	50	100	700	ppm		
459	Butoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	10	15	100	350	ppm		Units changed, MAK-TWA corrected

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
460	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	0.35	1	7.5	40	mg/m^3		
461	Butoxypolypropylene glycol	9003-13-8	35	100	500	500	mg/m^3		RTECS has six entries for this CASRN
462	**Butyl acetate, n-**	**123-86-4**	5	**5**	**200**	***3000***	ppm		**ERPG-1, -2, -3.** See LEL formatting note.
463	Butyl acetate, sec-	105-46-4	200	200	350	***1,700***	ppm		See LEL formatting note.
464	Butyl acetate, tert-	540-88-5	200	600	1,000	***1,500***	ppm		See LEL formatting note.
465	Butyl acetoacetate, tert-	1694-31-1	20	60	400	500	mg/m^3		TSCA listed, no toxicity data found. MSDS rat oral LD50 > 5 g/kg.
466	**Butyl acrylate, n-**	**141-32-2**	2	**8.3**	**130**	**480**	ppm		**Interim AEGL-1, -2, -3**
467	Butyl alcohol, n-; (n-Butanol)	71-36-3	20	20	50	***1,400***	ppm		See LEL formatting note. PEL-TWA suppressed
468	Butyl alcohol, sec-; (2-Butanol)	78-92-2	100	150	400	***2,000***	ppm		See LEL formatting note.
469	Butyl bis(2-ethylhexyl)phosphate	z-0002	0.2	0.6	0.75	0.75	ppm		**SAR**
470	Butyl bromide, n-; (1-Bromobutane)	109-65-9	15	50	350	1,500	ppm		
471	**Butyl chloroformate, n-**	**592-34-7**	0.2	0.3	**2.2**	**6.7**	ppm		**Interim AEGL-2, -3**
472	**Butyl chloroformate, sec-**	**17462-58-7**	0.1	0.3	**2.2**	**6.7**	ppm		**Interim AEGL-2, -3**
473	Butyl ether, n-; (Dibutyl ether)	142-96-1	1	3	20	400	ppm		
474	Butyl glycidyl ether, n-	2426-08-6	3	3	5.6	250	ppm		PEL-TWA ignored.
475	**Butyl isocyanate, n-**	**111-36-4**	0.004	**0.013**	**0.023**	**0.25**	ppm	**T-0, P-1, P-2, P-3**	New **interim AEGL-1, AEGL-2, AEGL-3** **ERPG-1, -2, -3**
476	Butyl isocyanate, tert-	1609-86-5	0.25	0.75	5	25	mg/m^3		TSCA listed, MSDS toxicity data.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
477	Butyl levulinate	2052-15-5	20	60	400	500	mg/m^3		Rat LD50 > 5 g/m3
478	Butyl lithium	109-72-8	36.9	115	500	500	mg/m^3		No toxicity data, used MW-adjusted Li PAC
479	Butyl methyl-d3 ether, tert-	29366-08-3	50	50	570	6,300	ppm		Listed in ChemFinder, no pchem or toxicity data found, used Tert-butyl methyl ether 1634-04-4 data.
480	Butyl perbenzoate, tert-	614-45-9	7.5	25	150	400	mg/m^3		Rat and mouse 240 min LC > 57 mg/m3
481	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	100	300	500	500	mg/m^3		Selected lowest of 10 day exposure LClo results
482	Butyl-2-methylcyclopropane, T-1-	38851-70-6	10	30	50	250	mg/m^3		Not found in any databases, ExPub listed CASRN.
483	Butyl-3-iodo-2-propynylcarbamate	55406-53-6	4	12.5	100	500	mg/m^3		HSDB toxicity data
484	Butylamine, (S)-sec-	513-49-5	0.5	1.5	10	50	ppm		
485	Butylamine, n-	109-73-9	2	2	5	300	ppm		MAK-TWA corrected, new toxicity data added
486	Butylamine, sec-	13952-84-6	2	2	10	20	ppm		
487	Butylamine, tert-	75-64-9	0.35	1	7.5	125	ppm		
488	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	0.6	1.5	12.5	60	ppm	**T-0, P-1, P-2, P-3**	Mouse subcutaneous LD50 from HSDB
489	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	0.035	0.1	0.6	150	ppm		
490	Butylbenzene, tert-	98-06-6	0.035	0.1	0.6	250	ppm	**P-2**	
491	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	1.5	5	40	200	ppm		
492	Butylcyclohexanone, p-tert-	98-53-3	20	60	400	500	mg/m^3		
493	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8	20	60	400	500	mg/m^3		Rat LD50 > 5 g/kg. No pchem data found.
494	Butyllithium, sec-	598-30-1	0.4	1.25	7.5	40	ppm		TSCA listed, no toxicity data found. MSDS HHR - 3.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
495	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	0.1	0.3	2	500	mg/m^3		2009 OEV Guide and 2009 ERPG and WEEL booklet WEEL data conflict. WEEL should be ceiling.
496	**Butyltrichlorosilane**	**7521-80-4**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**
497	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	0.2	15	30	30	mg/m^3	P-1, P-2	
498	Butyraldehyde	123-72-8	0.02	0.06	0.4	12.5	ppm		WEEL-TWA = 25 ppm not used.
499	Butyric acid	107-92-6	15	40	250	250	ppm		
500	Butyric acid, sodium salt	156-54-7	50	150	500	500	mg/m^3		Dog iv data ex HSDB.
501	**BZ; (3-Quinuclidinyl benzilate)**	**6581-06-2**	0.0075	0.02	**0.037**	**0.69**	mg/m^3	T-0, P-2, P-3	Revised **Interim AEGL-2, -3**
502	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1	1	3	250	500	mg/m^3	T-0, P-1	MSDS not found
503	C-18 Unsaturated fatty acid, dimers, reaction products with polyethylenepolyamines; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity data.
504	Cacodylic acid; (Arsenic acid, dimethyl-)	75-60-5	0.5	0.6	4	250	mg/m^3	P-1	Toxicity data updated IDLH deleted
505	**Cadmium**	**7440-43-9**	0.005	**0.10**	**0.76**	**4.7**	mg/m^3	P-1, P-2, P-3	New interim **AEGL-1, -2, -3**
506	Cadmium bromide	7789-42-6	0.0121	0.0727	7.5	21.8	mg/m^3		
507	Cadmium carbonate	513-78-0	0.00767	0.046	0.0767	13.8	mg/m^3		
508	Cadmium chloride	10108-64-2	0.00815	0.0489	0.5	14.7	mg/m^3		
509	Cadmium chloride hemipentahydrate; (Cadmium chloride, 2.5-hydrate)	7790-78-5	0.0102	0.0609	5	18.3	mg/m^3		

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
510	Cadmium fluoride	7790-79-6	0.00669	0.0401	0.0669	12	mg/m^3		
511	Cadmium hydroxide	21041-95-2	0.00652	0.0391	0.0652	11.7	mg/m^3		
512	Cadmium nitrate	10325-94-7	0.0105	0.25	1.5	18.9	mg/m^3	P-1, P-2	
513	Cadmium nitrate tetrahydrate	10022-68-1	0.0137	0.6	5	24.7	mg/m^3		
514	Cadmium nitrite	7790-83-2	0.00909	0.0546	0.0909	16.4	mg/m^3		
515	Cadmium oxide	1306-19-0	0.00571	0.0343	4	10.3	mg/m^3		
516	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	0.0303	0.182	13	54.6	mg/m^3		
517	Cadmium sulfate	10124-36-4	0.00927	0.0556	0.0927	16.7	mg/m^3		
518	Cadmium sulfate, hydrate	7790-84-3	0.0157	0.0941	0.3	28.2	mg/m^3		MF, MW differ in HSDB, HC&P, ChemFinder from SAX and RTECS.
519	Cadmium sulfide	1306-23-6	0.00643	0.0386	11.6	11.6	mg/m^3		
520	Cadmium tungstate	7790-85-4	0.016	0.0961	0.16	28.8	mg/m^3		
521	Cadmium(II) acetate	543-90-8	0.0103	0.0615	0.15	18.5	mg/m^3		
522	Calcium	7440-70-2	10	30	50	250	mg/m^3		No toxicity data found. "N" retained for concentration dependence.
523	Calcium acetate	62-54-4	0.02	0.06	0.4	30	mg/m^3		
524	Calcium arsenate	7778-44-1	0.0266	1.5	10	13.3	mg/m^3		
525	Calcium carbide	75-20-7	10	30	50	250	mg/m^3		
526	Calcium chloride	10043-52-4	1	3.5	20	400	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
527	Calcium chloride dihydrate	10035-04-8	40	125	500	500	mg/m^3		
528	Calcium chloride hexahydrate	7774-34-7	5	15	100	500	mg/m^3		
529	Calcium chloride hydrate	22691-02-7	2	6	40	450	mg/m^3		Not found in databases.
530	Calcium chromate	13765-19-0	0.015	0.125	0.75	45	mg/m^3	P-1, P-2	As Cr(VI), exposure limits and rat TCLo
531	Calcium cyanamide	156-62-7	0.5	75	500	500	mg/m^3	P-1, P-2	
532	**Calcium cyanide**	**592-01-8**	3.8	**3.8**	**13**	**28**	mg/m^3	**New addition**	New interim **AEGL-1, -2, -3**
533	Calcium fluoride	7789-75-5	5.14	15.4	200	500	mg/m^3		Used fluoride exposure limits
534	Calcium formate	544-17-2	10	30	200	500	mg/m^3		
535	Calcium hydride	7789-78-8	1.5	5	35	150	mg/m^3		LD50 estiated from HHR.
536	Calcium hydroxide	1305-62-0	15	75	500	500	mg/m^3		
537	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	4	12.5	75	350	mg/m^3	T-0, P-1	
538	Calcium metasilicate	10101-39-0	10	30	50	250	mg/m^3		MF, MW differ in databases. No toxicity or pchem data found. No MSDS, assumed solid.
539	Calcium monohydrogen phosphate dihydrate	7789-77-7	10	30	50	250	mg/m^3		No toxicity data found.
540	Calcium nitrite	13780-06-8	0.03	0.075	0.6	50	mg/m^3		Listed as "Nitrous acid, calcium salt", MF = Ca.2(HNO2), MW = 134.10 SAR
541	Calcium oxalate	563-72-4	6	15	50	50	mg/m^3		Listed as "Ethanedioic acid, calcium salt", MF = C2H2O4.Ca, MW = 130.11 SAR
542	Calcium oxalate, hydrate	5794-28-5	6	15	60	60	mg/m^3		In ChemFinder, no toxicity data.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
543	Calcium oxide	1305-78-8	5	5	5	25	mg/m^3		
544	Calcium phosphate tribasic	12167-74-7	10	30	50	250	mg/m^3		No toxicity or pchem data found. MSDS MP, SG.
545	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	7.5	20	35	350	mg/m^3		SAR
546	**Calcium phosphide**	**1305-99-3**	0.05	0.15	**1.0**	**1.8**	ppm		**Final AEGL-2, -3** Decomposes in water
547	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)	7778-18-9	15	30	50	250	mg/m^3		MF and MW in HSDB not compatible.
548	Calcium trifluoromethanesulfonate	55120-75-7	7.42	20	150	500	mg/m^3		Added. MSDS gives NFPA HHR = 3. Treated as fluorides.
549	Calcium(II) nitrate	10124-37-5	1.25	3.5	25	125	mg/m^3		
550	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	15	50	350	500	mg/m^3		
551	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	15	30	50	75	mg/m^3		Long-term human LClo ignored.
552	Camphor	76-22-2	2	19	30	200	mg/m^3		
553	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	4	12.5	75	400	mg/m^3		Not found in databases, used Reychler's acid, 3144-16-9, same MF and MW.
554	Cantharidin	56-25-7	0.75	2.5	4.3	4.3	mg/m^3		
555	Caprolactam (dust)	105-60-2	1	3	20	20	mg/m^3	P-2	
556	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	15	50	350	500	mg/m^3		
557	Caprylyl chloride; (Octanoyl chloride)	111-64-8	10	30	50	250	mg/m^3		No toxicity data found, "Y" concentration dependence ignored.
558	CAPSO	73463-39-5	10	30	50	250	mg/m^3		Not found in databases, MSDS pchem data.
559	Captan	133-06-2	5	12.5	75	500	mg/m^3	P-1, P-2	

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
560	Carbachol chloride	51-83-2	3	7.5	15	15	mg/m^3		
561	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	26419-73-8	0.2	0.6	1	1	mg/m^3		SAX has "2,4-Dimethyl-1,3-dithiolane-2-carboxaldehyde o-(methylcarbamoyl)oxime"
562	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde-O-(methylcarbamoyl)oxime, 2-)	116-06-3	1.00E-04	3.00E-04	0.3	100	mg/m^3		See also "Carbanolate CASRN = 671-04-5 in RTECS, HSDB, MF = C10H12ClNO2, MW = 213.68"
563	Carbaryl	63-25-2	0.5	0.5	1.5	100	mg/m^3	T-0, P-1, P-2	PEL-TWA suppressed
564	Carbazole	86-74-8	0.75	2.5	15	75	mg/m^3		
565	Carbazole violet	6358-30-1	75	250	500	500	mg/m^3		TSCA listed, no toxicity or pchem data found. MSDS solid, HHR = 1.
566	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	10	30	50	250	mg/m^3		No toxicity data found.
567	Carbofuran	1563-66-2	0.1	0.3	0.43	0.5	mg/m^3		
568	Carbon black	1333-86-4	3.5	10.5	17.5	500	mg/m^3		
569	Carbon dioxide	124-38-9	5,000	30,000	30,000	40,000	ppm		
570	**Carbon disulfide**	**75-15-0**	1	**13.0**	**160**	**480**	ppm		**Final AEGL-1, -2, -3** PEL-TWA suppressed
571	**Carbon monoxide**	**630-08-0**	50	83	**83**	**330**	ppm		**Interim AEGL-2, -3**
572	**Carbon tetrachloride**	**56-23-5**	10	**44**	**190**	**520**	ppm		**Interim AEGL-1, -2, -3**
573	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	200	600	5,000	25,000	ppm		
574	Carbon trifluoride; (Trifluoromethane; Fluoroform)	75-46-7	1,000	3,000	20,000	1.00E+05	ppm		No toxicity data, TClo based on HSDB HTOX profile.
575	Carbon; (Graphite, synthetic)	7440-44-0	2	6	10	500	mg/m^3		(Graphite, synthetic) is synonym, CASRN = 7782-42-5, Graphite, natural

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
576	Carbonic acid, calcium salt	471-34-1	15	75	500	500	mg/m^3		
577	**Carbonyl fluoride**	**353-50-4**	0.28	0.28	**0.28**	**0.83**	ppm		**Interim AEGL-2, -3**
578	**Carbonyl sulfide**	**463-58-1**	10	30	**55**	**150**	ppm		**Interim AEGL-2, -3**
579	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	10	30	50	250	mg/m^3		TSCA listed, no toxicity data.
580	Carbophenothion; (Trithion)	786-19-6	1.25	4	6.8	6.8	mg/m^3		
581	Carboxymethyl cellulose	9000-11-7	40	125	500	500	mg/m^3		RTECS rat oral LD > 5 mg/kg, MW given is for x = 1
582	Carboxymethyl sepharose; (CM sepharose)	68894-07-5	7.5	25	150	500	mg/m^3		Not found in databases. HHR = 2 in MSDS.
583	Casamino acids	z-0008	10	30	50	250	mg/m^3		Not found in databases; two hits in HSDB refer to use as a nitrogen source. CASRN changed.
584	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9	10	30	50	250	mg/m^3		TSCA & Merck listed, no toxicity data. H&N gives "milk protein".
585	Castor oil	8001-79-4	40	125	500	500	mg/m^3		
586	Catechol	120-80-9	5	5	7.5	25	ppm	P-3	
587	Cation exchange resin 200-400 mesh Hyd. Dowex 50W-X8	11119-67-8	10	30	50	250	mg/m^3		Not found in databases
588	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5	10	30	50	250	mg/m^3		Not found in databases
589	Cellulase	9012-54-8	12.5	40	300	500	mg/m^3		
590	Cellulose	9004-34-6	15	30	500	500	mg/m^3		RTECS r LD50 & LC50 greater than values entered
591	Cellulose acetate butanoate	9004-36-8	10	30	50	250	mg/m^3		TSCA, H&N listed, no toxicity data,
592	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7	10	30	50	250	mg/m^3		TSCA listed, no toxicity data

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
593	Ceric ammonium nitrate	16774-21-3	10	30	50	250	mg/m^3		
594	Ceric ammonium sulfate	7637-03-8	10	30	50	250	mg/m^3		
595	Ceric ammonium sulfate, dihydrate	10378-47-9	10	30	50	250	mg/m^3		Not found in databases. No MSDS. ChemFinder MP.
596	Ceric oxide	1306-38-3	6	20	150	500	mg/m^3		Rat oral LD50 > 5 g/kg.
597	Cerium	7440-45-1	10	30	50	250	mg/m^3		
598	Cerium acetate	537-00-8	0.1	0.35	2	10	mg/m^3		
599	Cerium chloride	7790-86-5	6	20	150	500	mg/m^3	**T-0, P-1**	
600	Cerium fluoride	7758-88-5	8.65	25.9	43.2	500	mg/m^3		CASRN changed from 15750-47-7 Rat oral LD50 > 5 g/kg.
601	Cerium hydroxide	15785-09-8	0.75	0.75	2	75	mg/m^3		**SAR**
602	Cerium nitrate hexahydrate	10294-41-4	15	50	350	500	mg/m^3		
603	Cerium oxalate	139-42-4	10	30	50	250	mg/m^3		No toxicity data found. CASRN changed from 15750-47-7.
604	Cerium sulfate	13590-82-4	1	3.5	20	100	mg/m^3		
605	Cerium trioxide	1345-13-7	2	6	40	200	mg/m^3		
606	Cerium(III) sulfate	13454-94-9	7.5	25	150	500	mg/m^3		TSCA listed, no toxicity data found. HHR = 2 in MSDS.
607	Cerium(IV) hydroxide	12014-56-1	10	30	50	250	mg/m^3	**T-0, P-1, P-2, P-3**	TSCA listed, no toxicity data, irritation, S, ex ChemFinder.
608	Cerium(IV) nitrate	13093-17-9	10	30	50	250	mg/m^3		TSCA listed, no pchem or toxicity data found.
609	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	1	3	20	500	mg/m^3		
610	Cerous nitrite	z-0004	0.04	0.1	0.75	75	mg/m^3		**SAR**
611	Cesium	7440-46-2	6	20	150	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
612	Cesium carbonate	534-17-8	10	30	200	500	mg/m^3		
613	Cesium chloride	7647-17-8	0.4	1.25	10	500	mg/m^3		
614	Cesium fluoride	13400-13-0	20	60	100	500	mg/m^3		Fluoride exposure limits
615	Cesium hydroxide	21351-79-1	2	2	7.5	250	mg/m^3		Human LC50 data not used, no exposure time given
616	Cesium iodide	7789-17-5	10	30	200	500	mg/m^3		
617	Cesium metaborate	92141-86-1	2	6	200	500	mg/m3	**New addition**	TLV-TWA for inorganic borate compounds, LD50 for Na metaborate used as surrogate
618	Cesium nitrate	7789-18-6	10	30	200	500	mg/m^3		
619	Cesium nitrite	13454-83-6	0.075	0.2	1.5	60	mg/m^3		**SAR**
620	Cesium oxide	20281-00-9	7.5	25	150	500	mg/m^3	**T-0, P-1, P-2**	Only used toxicity data, rat LDLo
621	Charcoal, activated	64365-11-3	10	30	50	250	mg/m^3		
622	Chloramben; (Amiben; 3-Amino-2,5-dichlorobenzoic acid)	133-90-4	0.04	0.125	0.75	500	mg/m^3	**T-0, P-1, P-2**	Synonym added.
623	Chloramphenicol	56-75-7	0.5	1.5	7.5	350	mg/m^3		
624	Chlordane	57-74-9	0.5	7.5	50	100	mg/m^3	**P-1**	
625	Chlorfenvinfos	470-90-6	2	6	10	10	mg/m^3		
626	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	0.15	0.4	3	75	mg/m^3		
627	Chloride; (Chloride(1-); Chloride ions)	16887-00-6	0.5	1	2.52	10	ppm		Listed in ChemFinder. Chlorine limits used, but NOT AEGLs or ERPGs.
628	Chlorinated polyolefins	68410-99-1	10	30	50	250	mg/m^3		
629	**Chlorine**	**7782-50-5**	0.5	**0.50**	**2.0**	**20**	ppm		**Final AEGL-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
630	**Chlorine dioxide**	**10049-04-4**	0.1	**0.15**	**1.1**	**2.4**	ppm		**Final AEGL-1, -2, -3**
631	Chlorine Hi dry granular (as Cl)	z-0006	0.5	1	2.52	10	ppm		Used chlorine limits, but NOT AEGLs or ERPGs
632	**Chlorine pentafluoride**	**13637-63-3**	0.1	**0.30**	**1.0**	**8.0**	ppm		**Interim AEGL-1, -2, -3**
633	**Chlorine trifluoride**	**7790-91-2**	0.04	**0.12**	**2.0**	**21**	ppm		**Final AEGL-1,-2, -3**
634	Chlormephos	24934-91-6	1.25	4	7	35	mg/m^3		
635	Chlormequat chloride; (Choline dichloride)	999-81-5	0.35	1	7	7.5	mg/m^3		
636	**Chloro-1,1,1,2-tetrafluoroethane, 2-**	**2837-89-0**	1,000	**1000**	**5000**	**10000**	ppm		**New ERPG-1, -2, -3**
637	**Chloro-1,1-difluoroethane, 1-; (HCFC-142b)**	**75-68-3**	1,000	***10000***	***15000***	***25000***	ppm		**ERPG-1, -2, -3** See LEL formatting note.
638	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	0.02	0.06	0.5	12.5	ppm		
639	Chloro-1-butanol, 4-	928-51-8	1.5	5	40	400	mg/m^3		
640	Chloro-2,4-dinitrobenzene, 1-	97-00-7	3	10	60	350	mg/m^3		
641	Chloro-2-methyl-1-propene, 3-	563-47-3	0.75	2.5	15	75	ppm		
642	Chloro-2-methyl-4-isothiazolin-3-one, 5-	26172-55-4	0.2	0.6	1	1	mg/m^3		Name changed. No pchem data found.
643	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	0.4	1	7.5	2,000	ppm		
644	Chloro-2-nitrophenol, 4-	89-64-5	0.4	1.25	7.5	40	mg/m^3		TSCA, HC&P listed, MSDS toxicity data.
645	Chloro-4-nitrophenol, 2-	619-08-9	0.5	1.5	10	50	ppm		Name changed
646	**Chloroacetaldehyde**	**107-20-0**	0.4	**1.3**	**2.2**	**9.9**	ppm		**Interim AEGL-1, -2, -3**
647	Chloroacetaldehyde dimethyl acetal	97-97-2	7.5	25	150	500	mg/m^3		TSCA listed, no toxicity data. MSDS pchem data, assumed HHR = 2.

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
648	Chloroacetic acid, sodium salt	3926-62-3	2.38	7.14	40	40	mg/m^3		WEEL-TWA added
649	**Chloroacetic acid; (Monochloroacetic acid)**	**79-11-8**	0.5	1.5	**6.6**	20	ppm		**Final AEGL-2**
650	**Chloroacetone**	**78-95-5**	0.2	0.6	**4.4**	**13**	ppm		**Interim AEGL-2, -3**
651	**Chloroacetonitrile**	**107-14-2**	1.5	4	**32**	**67**	ppm		**Interim AEGL-2, -3**
652	**Chloroacetyl chloride**	**79-04-9**	0.04	**0.040**	**1.6**	**52**	ppm		**Interim AEGL-1, -2, -3**
653	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3	0.4	1.25	7.5	200	mg/m^3	**T-0, P-1, P-2**	
654	Chloroaniline, p-	106-47-8	0.0025	0.0075	0.05	250	mg/m^3	**T-0, P-1, P-2, P-3**	
655	**Chlorobenzene; (Benzene chloride)**	**108-90-7**	10	**10**	**150**	**400**	ppm		**Interim AEGL-1, -2, -3**
656	Chlorobenzotrifluoride, 2-	88-16-4	6	20	125	500	mg/m^3		
657	Chlorobenzylate; (4,4'-Dichlorobenzilic acid ethyl ester)	510-15-6	1.5	4	30	300	mg/m^3		
658	**Chlorobenzylidene malononitrile, o-; (Tear Gas)**	**2698-41-1**	0.05	**0.050**	**0.50**	**11**	mg/m^3	**T-0, P-1, P-2, P-3**	New interim **AEGL-1, -2, -3** **ERPG-1, -2, -3 (ERPG-3 corrected)**
659	Chlorobutane, 1-; (Butyl chloride)	109-69-3	7.5	25	150	750	ppm		Ignored inconsistent Russian TDlo, used NTP TDlo data.
660	Chlorobutane, 2-; (sec-Butyl chloride)	78-86-4	0.4	1.25	7.5	3,500	ppm		
661	Chlorobutyryl chloride, 4-	4635-59-0	2.5	7.5	50	250	mg/m^3		
662	Chlorocyclohexanol, trans-2-	6628-80-4	3.5	10	75	400	mg/m^3		
663	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	20	60	500	***2,500***	ppm		**SAR** See LEL formatting note.
664	Chlorodecane, 1-	1002-69-3	48.5	145	249	1,250	ppm		TSCA listed, no toxicity data.

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
665	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	8.94	35	200	500	mg/m^3		SAX MW (110.56) incorrect.
666	Chlorodifluoromethane; (Freon 22; CFC 22)	75-45-6	1,000	1,250	7,500	7,500	ppm		
667	Chloroethanesulfonyl chloride, 2-	1622-32-8	1.25	3.5	25	150	mg/m^3		
668	Chloroethyl chloroformate	627-11-2	4	12.5	20	20	mg/m^3		
669	Chloroethyl phenyl sulfide, 2-	5535-49-9	0.5	1.5	10	50	mg/m3	**New addition**	"Y" from TCI America MSDS, harmful if ingested or inhaled
670	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	0.25	0.75	5	25	ppm		.
671	Chloroethylchloromethylsulfide, 2-	2625-76-5	0.0035	0.01	0.02	0.32	ppm		Not found in databases. Used AEGLs for structurally similar sulfur mustard, CASRN = 505-60-2.
672	**Chloroform**	**67-66-3**	2	2	**64**	**3200**	ppm		**AEGL-2, -3**
673	Chloroform-d; (Deuterated chloroform)	865-49-6	2	2	64	3,200	ppm		Not found in databases, has deuterium in place of H in chloroform, so used its limits.
674	Chloro-m-cresol, 4-	59-50-7	7.5	20	150	500	mg/m^3		
675	**Chloromethyl methyl ether**	**107-30-2**	0.02	0.06	**0.47**	**2.0**	ppm	T-0, P-1	**Interim AEGL-2, -3**
676	**Chloromethyl(trichloro)silane**	**1558-25-4**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**
677	Chloronaphthalene, 1-; (alpha-Chloronaphthalene)	90-13-1	6	20	125	500	mg/m^3		
678	Chloronaphthalene, 2-; (beta-Chloronaphthalene)	91-58-7	0.2	0.6	150	500	mg/m^3		
679	Chloronitrobenzene, p-; (p-Nitrochlorobenzene)	100-00-5	1	6	40	100	mg/m^3	P-1, P-2	
680	Chloroperoxybenzoic acid, 3-	937-14-4	0.3	1	6	35	mg/m^3		
681	Chlorophacinone	3691-35-8	0.2	0.6	1	1	mg/m^3		

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
682	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	250	400	400	400	mg/m^3		Severe irritant. Inconsistent rat LC50 not used.
683	Chlorophenol, m-	108-43-0	0.3	0.75	6	250	mg/m^3		
684	Chlorophenol, o-	95-57-8	1.5	5	35	75	ppm	P-3	
685	Chlorophenyl phenyl ether, 4-	7005-72-3	0.0025	0.0075	0.05	0.25	mg/m^3		
686	Chlorophenyl thiourea, 2-	5344-82-1	0.75	2.5	4.6	4.6	mg/m^3		
687	Chloropicrin/Methyl bromide mixture	8004-09-9	0.33	0.33	1	9.31	mg/m^3		0.15 to 0.85 mixture assumed, AEGL components
688	Chloropicrin/Methyl chloride mixture	z-0007	0.17	0.17	0.5	4.66	mg/m^3		0.30 to 0.70 mixture assumed, AEGL components.
689	**Chloropicrin; (Trichloronitromethane)**	**76-06-2**	0.05	**0.050**	**0.15**	**1.4**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
690	Chloroprene; (beta-Chloroprene; Neoprene)	126-99-8	1	1	1	300	ppm		
691	Chloropropanol, 3-; (1-Propanol, 3-chloro)	627-30-5	10	30	200	500	mg/m^3		
692	Chloropropionitrile, 3-	542-76-7	0.5	1.5	2.46	12.5	ppm		
693	Chloropropyl)trimethoxysilane, 3-(; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	10	30	200	350	ppm		
694	Chloropropylene, 2-	557-98-2	1,000	3,000	***20,000***	***35,000***	ppm		See LEL formatting note.
695	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	1.5	5	8	500	mg/m^3		
696	Chloro-p-toluenesulfonamide sodium salt, N-; (Chloramine T)	127-65-1	0.075	0.25	2	250	mg/m^3		See also SFV550, dog TDlo added.
697	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7	1.50E-04	5.00E-04	0.006	0.022	ppm		Not found in databases. Treated as Sarin, CASRN = 107-44-8.
698	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5	0.03	0.075	0.6	3	ppm		RTECS toxicity data, no pchem data found.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
699	**Chlorosulfonic acid; (Chlorosulfuric acid)**	**7790-94-5**	0.1	**0.10**	**4.4**	**25**	mg/m^3		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
700	Chlorothalonil; (Tetrachloroisophthalonitrile)	1897-45-6	3	7.5	30	30	mg/m^3		
701	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	50	75	400	400	ppm		
702	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	15	40	300	***750***	ppm		See LEL formatting note.
703	Chlorotrifluoroethene, homopolymer	9002-83-9	0.015	0.04	0.3	500	mg/m^3		Many synonyms, used first of multiple RTECS listings.
704	**Chlorotrifluoroethylene**	**79-38-9**	5	**16**	**86**	**420**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
705	Chlorotrifluoromethane; (CFC-13)	75-72-9	1,000	3,000	5,000	25,000	ppm		
706	**Chlorovinylarsine dichloride; (Lewisite 1)**	**541-25-3**	0.12	0.12	**0.12**	**0.74**	mg/m^3		**Interim AEGL-2, -3**
707	Chloroxuron	1982-47-4	2	6	10	500	mg/m^3		
708	Chlorpyrifos; (Dursban)	2921-88-2	0.1	0.6	15	20	mg/m^3		
709	Chlorsulfuran	64902-72-3	0.125	0.35	2.5	500	mg/m^3		SAX rat LC50 > 5900 mg/m3.
710	Chlorthiophos	21923-23-9	0.35	1	7.8	7.8	mg/m^3		RTECS CASRN = 60238-56-4 data match SAX CASRN = 21923-23-9 for which RTECS data differs. ChemFinder lists both.
711	Chromates	13907-45-4	0.112	0.112	0.116	33.5	mg/m^3	**T-0, P-1, P-2, P-3**	Minimum values, depending upon compound.
712	Chromic acetate; (Chromium(III) acetate)	1066-30-4	1	3	5	25	mg/m^3	**T-0, P-1, P-2, P-3**	
713	Chromic chloride; (Chromium(III) chloride)	10025-73-7	1.52	4.57	10	76.1	mg/m^3		Cr III inorganic exposure limits LOC not used
714	Chromic oxide; (Chromium(III) oxide; Chromium sesquioxide)	1308-38-9	0.731	15	36.5	36.5	mg/m^3		Cr III exposure limits.
715	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	1.89	5.66	9.43	94.3	mg/m^3	**P-1, P-2**	Cr III exposure limits.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
716	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	0.00962	0.00962	0.01	28.8	mg/m^3		Cr VI exposure limits
717	Chromic(III) hydroxide; (Chromic acid (H3CrO3); Chromium trihydroxide)	1308-14-1	1.51	7.5	60	75.5	mg/m^3	**T-0, P-2, P-3**	Cr III exposure limits
718	Chromic(VI) acid: (Chromic acid ester)	7738-94-5	0.113	0.15	1.18	34	mg/m^3	**P-1, P-2**	Exposure limits as Cr(VI) soluble, except PEL-C, as CrO3
719	Chromite; (Chromite (mineral))	1308-31-2	0.108	0.323	0.538	500	mg/m^3	**T-0, P-1, P-2**	
720	Chromium	7440-47-3	1	1	1	250	mg/m^3	**P-1, P-2**	
721	Chromium nitrate	10103-47-6	4.74	14.2	23.7	237	mg/m^3		Cr(III) inorganic exposure limits
722	Chromium nitrate nonahydrate	7789-02-8	3.85	11.5	25	192	mg/m^3		Cr(III) inorganic exposure limits
723	Chromium perchlorate, hydrated	13537-21-8	3.37	10.1	16.8	168	mg/m^3		No toxicity or pchem data found. Cr(III) inorganic concentration limits.
724	Chromium(III) acetate hydroxide	39430-51-8	1	3	5	25	mg/m^3	**T-0, P-1, P-2, P-3**	TSCA listed. Chromium(III) acetate, CASRN =1066-30-4, MW = 229.13, MF = Cr.3(C2.H4.O2). LANL MW = 603.3?
725	Chromium(III) chloride, hexahydrate	10060-12-5	2.56	7.69	128	128	mg/m^3	**P-1**	Cr(III) inorganic exposure limits
726	Chromium(III) fluoride	7788-97-8	1.05	3.14	5.24	52.4	mg/m^3		Cr(III) exposure limits
727	Chromium(III) nitrate	13548-38-4	2.29	6.87	11.4	114	mg/m^3		Cr(III) exposure limits
728	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2	0.817	1	7.5	40.9	mg/m^3		Cr(III) exposure limits
729	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	4.8	14.4	40	240	mg/m^3		Cr(III) exposure limits
730	Chromium(VI) hydroxide	z-0124	0.0148	0.0889	0.15	44.4	mg/m^3	**T-0, P-1, P-2**	Used Cr(VI) limits, not SAR
731	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	1.18	3.55	7.5	500	mg/m^3		Chromium(II) exposure limits

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
732	Chrysene (coal tar volatile)	218-01-9	0.2	0.6	4	80	mg/m^3		
733	Cinnamaldehyde	104-55-2	1.25	4	30	500	mg/m^3		
734	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	0.075	0.25	2	250	ppm		
735	Citric acid	77-92-9	6	15	125	500	mg/m^3		
736	Citric acid monohydrate	5949-29-1	1.5	4	30	150	mg/m^3		Guinea pig LCLo not used.
737	Citric acid, trisodium salt, dihydrate	6132-04-3	6	20	125	500	mg/m^3		Used Trisodium citrate, CASRN = 68-04-2, SAX TNL000
738	Coal tar pitch volatiles; (Particulate polycyclic aromatic hydrocarbons)	65996-93-2	0.2	0.6	30	80	mg/m^3		
739	Coal tar, aerosol	8007-45-2	0.4	1.25	7.5	500	mg/m^3		
740	Cobalt	7440-48-4	0.02	0.3	2	20	mg/m^3	T-0	PEL-TWA suppressed
741	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	3	7.5	60	300	mg/m^3		
742	Cobalt carbonyl	10210-68-1	0.27	0.27	27	60	mg/m^3		
743	Cobalt chloride	7646-79-9	0.0441	0.132	25	500	mg/m^3		
744	**Cobalt hydrocarbonyl**	**16842-03-8**	0.292	0.292	**0.9**	**3**	mg/m3	T-0, P-1, P-2, P-3	**ERPG-2, -3**
745	Cobalt hydroxide	21041-93-0	0.0315	0.0946	0.158	0.75	mg/m^3		
746	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	0.0988	0.296	0.5	300	mg/m^3		
747	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	0.0621	0.186	1.5	150	mg/m^3		
748	Cobalt nitrite	32486-57-0	0.0512	0.154	0.256	1.25	mg/m^3		
749	Cobalt oxide	1308-06-1	0.0272	0.0817	0.136	27.2	mg/m^3	T-0, P-1	PEL-TWA suppressed

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
750	Cobalt sulfate	10124-43-3	0.0526	0.158	6	150	mg/m^3		
751	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	0.0954	0.286	250	250	mg/m^3		
752	Cobalt tetraphenylporphine	14172-90-8	10	30	50	250	mg/m^3		No toxicity data found.
753	Cobalt(II) chloride hexahydrate	7791-13-1	0.0808	0.242	20	350	mg/m^3		
754	Cobalt(II) oxide	1307-96-6	0.0254	0.0763	20	25.4	mg/m^3	**T-0, P-1**	PEL-TWA suppressed See also CASRN 1308-06-1
755	Cobalt(II) perchlorate, hexahydrate	13478-33-6	0.124	0.373	0.621	60	mg/m^3		No pchem data found.
756	Cobalt(II) sulfate hydrate	60459-08-7	0.0587	0.176	0.3	1.5	mg/m^3		Not found in databases. Cobalt and inorganic compounds, as Co. T-3 changed.
757	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-; (Fluomine)	62207-76-5	0.15	0.4	3	15	mg/m^3		SAX name = "n,n'Ethylene bis(3-fluorosalicylideneiminato)cobalt(II)"
758	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7	0.0742	0.223	0.371	150	mg/m^3		
759	Cobaltous carbonate	513-79-1	0.0404	0.121	0.202	250	mg/m^3		
760	Colchicine	64-86-8	0.04	0.125	0.9	0.9	mg/m^3		
761	Copper	7440-50-8	1	3	5	100	mg/m^3		
762	Copper cyanide; (Copper(I) cyanide; Cuprous cyanide)	544-92-3	1.41	1.41	5	25	mg/m^3	**P-1, P-2**	
763	Copper hydroxide; (Copper(II) hydroxide, Cupric hydroxide)	20427-59-2	1.54	4.61	7.68	154	mg/m^3		
764	Copper nitrate; (Cupric nitrate)	3251-23-8	2.95	7.5	60	295	mg/m^3		
765	Copper oxide; (Copper(I) oxide)	1317-39-1	0.1	0.25	1.5	100	mg/m^3	**T-0, P-1, P-2, P-3**	Used exposure limits for copper fume.
766	Copper sulfate; (Copper(II) sulfate)	7758-98-7	2.51	2.51	6	251	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
767	Copper(I) chloride; (Cuprous chloride)	7758-89-6	1.56	4.67	7.79	156	mg/m^3		
768	Copper(I) sulfide	22205-45-4	1.25	3.76	6.26	125	mg/m^3		
769	Copper(II) acetate monohydrate	6046-93-1	3.14	7.5	60	314	mg/m^3		Organic compound treated as Cu dust
770	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	1.74	5.22	8.7	174	mg/m^3		
771	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	2.12	6.35	10.6	212	mg/m^3		
772	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	2.68	8.05	13.4	268	mg/m^3		
773	Copper(II) oxalate	814-91-5	2.42	7.25	12.5	242	mg/m^3		
774	Copper(II) perchlorate, dihydrate	17031-32-2	4.7	14.1	23.5	470	mg/m^3		No pchem data found.
775	Copper(II) sulfate pentahydrate	7758-99-8	3.93	11.8	150	393	mg/m^3		
776	Copper(II) sulfide	1317-40-4	1.5	4.51	7.52	150	mg/m^3		
777	Corn oil	8001-30-7	40	100	500	500	mg/m^3		Rat LD50 > 100 mL/kg.
778	Coumaphos	56-72-4	0.05	0.15	30	125	mg/m^3		
779	Coumarin	91-64-5	0.025	0.075	0.6	125	mg/m^3		
780	Coumatetralyl; (Endrocide)	5836-29-3	3	10	16.5	16.5	mg/m^3		
781	Creosote (coal tar)	8001-58-9	0.2	35	80	80	mg/m^3	**P-1**	
782	Cresols	1319-77-3	5	5	24.9	250	ppm	**P-1**	
783	Cresyl violet acetate	10510-54-0	10	30	50	250	mg/m^3		Listed in ExPub, no data.
784	Crimidine; (Castrix)	535-89-7	0.25	0.75	1.2	1.2	mg/m^3		
785	Cristobalite	14464-46-1	0.025	0.075	2	25	mg/m^3	**P-2**	

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
786	Crocidolite	12001-28-4	0.005	0.05	10	250	mg/m^3		
787	**Crotonaldehyde**	**4170-30-3**	0.19	**0.19**	**4.4**	**14**	ppm		**Final AEGL-1, -2, -3** CASRN should be 15798-64-8 (per NLM)
788	**Crotonaldehyde, trans-**	**123-73-9**	0.06	**0.19**	**4.4**	**14**	ppm		**Final AEGL-1, -2, -3**
789	Crotonic Acid	3724-65-0	4	12.5	75	400	mg/m^3		
790	Crystal violet; (Aniline violet)	548-62-9	0.075	0.25	1.5	150	mg/m^3		
791	Cs7SB; (1-(2,2,3,3-Tetrafluoropropoxy)-3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	11.1	30	200	500	mg/m^3		Not found in databases MF & MW from MSDS
792	Cube Resin other than Rotenone	z-0122	0.125	0.35	2.5	12.5	mg/m^3		In ChemBank RTECS but not ExPub.
793	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	1	5	20	20	ppm		Human LClo = 0.02 mg/m3 ignored.
794	**Cumene; (Isopropyl benzene)**	**98-82-8**	50	**50**	**300**	**730**	ppm		**Interim AEGL-1, -2, -3**
795	Cumenol methylcarbamate, m-; (3-(1-Methylethyl)phenol methylcarbamate)	64-00-6	3	10	16	16	mg/m^3		
796	Cupferron; (Ammonium-N-nitrosophenylhydroxylamine)	135-20-6	7.5	25	75	75	mg/m^3		
797	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	2.86	2.86	3.5	286	mg/m^3	***P-1, P-2, P-3***	Organic compound, exposure limits for Cu dusts and mists
798	Cupric nitrate hemipentahydrate	19004-19-4	3.8	10	75	380	mg/m^3	***P-1, P-2***	
799	Cupric nitrite	14984-71-5	0.035	0.075	0.6	60	mg/m^3		CASRN in TSCA, MF = Cu.2 H-N-O2. SAR
800	Cupric oxide	1317-38-0	0.125	0.751	1.25	125	mg/m^3		
801	Cyanamide	420-04-2	2	2	2	7.5	mg/m^3	***P-1, P-2, P-3***	

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
802	Cyanic acid; (Hydrogen cyanate)	420-05-3	8.27	24.8	41.3	200	ppm		No toxicity data found, pchem data ex HC&P. Lewis' Toxicology states "strong irritant, lacrimator & vesicant", but "Y" supressed.
803	Cyanide	57-12-5	5	5	5	25	mg/m^3		
804	Cyanoacetamide	107-91-5	6	20	150	500	mg/m^3		
805	**Cyanogen**	**460-19-5**	2	**2.0**	**8.3**	**25**	ppm	T-0, P-1, P-2, P-3	New interim **AEGL-1, -2, -3**
806	Cyanogen bromide	506-68-3	20.4	20.4	44	102	mg/m^3	P-1, P-3	
807	**Cyanogen chloride**	**506-77-4**	0.02	0.06	**0.4**	**4**	ppm		**ERPG-2, -3**
808	Cyanogen iodide	506-78-5	29.4	29.4	147	147	mg/m^3	P-1, P-2, P-3	
809	Cyanoguanidene; (Guanidine, cyano-; Dicyandiamido)	461-58-5	0.5	1.5	10	200	mg/m^3		
810	Cyanophos	2636-26-2	1.25	3.5	25	25	mg/m^3		CN exposure limits not used
811	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	10	10	25	500	mg/m^3		
812	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	0.17	0.17	0.17	43.3	mg/m^3		
813	Cyclohexane	110-82-7	300	300	300	***1,300***	ppm	P-2	See LEL formatting note.
814	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	10	30	50	250	mg/m^3		No tox data except irritation and physical data from ChemFinder vendor catalog.
815	Cyclohexanediamine, 1,2-	694-83-7	3	10	60	350	mg/m^3		
816	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	12.5	40	250	500	mg/m^3		
817	Cyclohexanol	108-93-0	50	50	50	400	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
818	Cyclohexanone; (Ketohexamethylene)	108-94-1	50	50	50	700	ppm		
819	Cyclohexene	110-83-8	300	300	500	***2,000***	ppm		See LEL formatting note
820	Cycloheximide	66-81-9	0.1	0.3	2	2	mg/m^3		
821	**Cyclohexyl isocyanate**	**3173-53-3**	0.004	0.0125	0.02	**0.10**	ppm		**Interim AEGL-3**
822	Cyclohexyl methyl phosphonic acid	1932-60-1	10	30	50	250	mg/m^3		Not found in databases. MSDS pchem data.
823	**Cyclohexylamine**	**108-91-8**	1.8	**1.8**	**8.6**	**30**	ppm		**Final AEGL-1, -2, -3**
824	Cyclohexylamino)-1-propanesulfonic acid, 3-(; (CAPS)	1135-40-6	1.25	4	25	125	mg/m^3		
825	Cyclohexylethanol, 2-	4442-79-9	4	10	75	400	mg/m^3		
826	Cyclooctadiene, 1,5-	111-78-4	100	300	***2,000***	***10,000***	ppm		See LEL formatting note.
827	Cyclooctane	292-64-8	5	15	100	500	ppm		In HC&P, ChemFinder, no toxicity data. "Y" corrected,
828	Cyclooctatetraene, 1,3,5,7-	629-20-9	65,000	65,000	2.30E+05	4.00E+05	ppm		TSCA listed. Simple asphyxiant.
829	Cyclooctene, cis-	931-87-3	3.5	10	60	350	mg/m^3		TSCA listed, no toxicity data, assumed HHR =3.
830	Cyclopentane	287-92-3	600	***1,800***	***3,840***	***15,000***	ppm		See LEL formatting note.
831	Cyclopentanone	120-92-3	25	25	40	600	ppm		
832	Cyclopropane	75-19-4	200	600	***4,000***	***60,000***	ppm		See LEL formatting note.
833	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	0.04	0.125	0.75	500	mg/m^3		
834	Cyclotol; (RDX-TNT mixture)	8065-53-0	0.6	3	15	60	mg/m^3		2,4,6-Trinitrotoluene (40%) mixed with Hexahydro-1,3,5-trinitro-1,3,5-triazine (60%).
835	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	0.5	3	40	40	mg/m^3		CASRN also used for RDX and HMX mixtures.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
836	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	7.5	25	150	500	mg/m^3		
837	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	3.5	10	150	500	mg/m^3		SAR
838	DDD; (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	1.5	5	35	500	mg/m^3	T-0, P-1, P-2	
839	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	6	20	125	400	mg/m^3	T-0, P-1, P-2	
840	DDT; (Dichlorodiphenyltrichloroethane)	50-29-3	1	1	2	500	mg/m^3		unspecified species and exposure time LC lo not used.
841	DEAE Sepharose CL-6B	62610-50-8	10	30	50	250	mg/m^3		Not found in databases. CASRN changed back to 62610-50-8 per NLM, WAS 57407-08-6.
842	Decaborane	17702-41-9	0.3	0.75	10	15	mg/m^3		
843	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	200	200	400	1,250	ppm		MSDS HHR, exposure limits, toxicity data.
844	Decahydronaphthalene	91-17-8	0.5	1.5	10	75	ppm		
845	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	0.5	1.5	10	75	ppm		SAX has CASRN = 91-17-8 for generic Decalin. HC&P has 493-01-6 for "cis", 493-02-7 for "trans"
846	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	0.5	1.5	10	75	ppm		SAX has CASRN = 91-17-8 for generic Decalin. HC&P has 493-01-6 for "cis", 493-02-7 for "trans"
847	Decamethylcyclopentasiloxane	541-02-6	30	75	75	75	ppm	T-0, P-1, P-2, P-3	Synonym = Silicone (several formulations) Changed units to ppm.
848	Decanal	112-31-2	2.5	7.5	50	250	ppm		
849	Decane	124-18-5	0.06	0.2	1.25	***5,000***	ppm		See LEL formatting note.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
850	Decene, 1-, homopolymer, hydrogenated	68037-01-4	10	30	50	250	mg/m^3		
851	Decyl alcohol; (1-Decanol)	112-30-1	4	12.5	75	500	mg/m^3		
852	Demeton	8065-48-3	0.1	0.15	2	10	mg/m^3		SAX name = "Demeton-o+demeton-s"; MW is 258.34 in some references.
853	Demeton-S-methyl	919-86-8	0.05	0.15	5	200	mg/m^3		
854	Deoxyribonucleic acid; (DNA)	9007-49-2	12.5	35	250	500	mg/m^3		No pchem data found.
855	Deuterium	7782-39-0	***65,000***	***65,000***	***2.30E+05***	***4.00E+05***	ppm		See LEL formatting note
856	Deuterium oxide; (Heavy water)	7789-20-0	5	15	100	500	ppm	**T-0, P-1, P-2, P-3**	
857	Deuterochloric acid; (Deuterium chloride)	7698-05-7	0.5	1.8	22	100	ppm		
858	Dextran	9004-54-0	0.35	1	6	500	mg/m^3		
859	Dextran sulfate sodium	9011-18-1	15	40	300	500	mg/m^3		
860	Di(ethylene glycol) diacrylate	4074-88-8	1	3	20	100	mg/m^3		
861	Di-2-ethylhexyl adipate	103-23-1	4	12.5	75	500	mg/m^3	**T-0, P-1, P-2**	
862	Diacetoxydibutyl stannane	1067-33-0	0.296	0.592	7.5	73.9	mg/m^3		
863	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	7.5	20	150	500	mg/m^3		
864	Dialifor	10311-84-9	1	3	5	5	mg/m^3		
865	Diallyl phthalate	131-17-9	5	50	250	250	mg/m^3	**T-0**	
866	Diallyldimethylammonium chloride	7398-69-8	25	75	500	500	mg/m^3		
867	Diallyldimethylammonium chloride polymer	26062-79-3	12.5	35	250	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
868	Diamino-6-(2'-methylimidazol-1-yl)ethyl-s-triazine, 2,4-; (1,3,5-Triazine-2,4-diamine, 6-(2-(2-methyl-1H-imidazol-1-yl)ethyl)-; Curezol 2MEA-PW)	38668-46-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found, no MSDS found.
869	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	0.5	1.5	10	300	mg/m^3		
870	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	1	3	20	400	mg/m^3		
871	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	0.6	1.5	12.5	60	ppm		
872	Diaminopyridine, 2,6-	141-86-6	0.4	1.25	7.5	40	mg/m^3		
873	Diammonium dimolybdate; (Ammonium molybdenum oxide)	27546-07-2	0.881	2.64	4.4	500	mg/m^3	**T-0, P-1, P-2**	TSCA listed, no pchem data Assumed soluble Mo compound Suppressed PEL-TWA
874	Diamond	7782-40-3	7.5	20	150	500	mg/m^3		
875	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	0.1	0.35	2.5	7.5	mg/m^3		
876	Diatomaceous earth (flux calcinated; Filter agent, celite; Amorphous silica)	68855-54-9	0.3	0.9	1.5	500	mg/m^3		HSDB, TSCA listed.
877	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-2	6	18	30	500	mg/m^3		PEL-TWA = 80 mg/m3 / % SIO2.
878	Diatomaceous silica, calcined	91053-39-3	0.3	0.9	1.5	500	mg/m^3		TSCA listed. MAK for Silica-amorphous diatomaceous earth (calcined).
879	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	1	3	20	500	mg/m^3		
880	Diazabicyclo(5.4.0)undec-7-ene, 1,8-	6674-22-2	1.5	5	35	150	mg/m^3		TSCA listed, no toxicity data found. MSDS HHR = 3.
881	Diazoacetic acid, ethyl ester; (Ethyl diazoacetate)	623-73-4	0.2	0.6	4	150	mg/m^3		

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882	Diazomethane	334-88-3	0.2	0.6	2	2	ppm		
883	Dibenza(a,h)anthracene	53-70-3	0.2	0.6	5	15	mg/m^3	T-0, P-1, P-2	
884	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	0.005	0.015	0.1	0.5	mg/m^3		
885	Dibenzofuran	132-64-9	10	30	50	250	mg/m^3		
886	Dibenzo-p-dioxin	262-12-4	1.5	4	30	500	mg/m^3		
887	**Diborane**	**19287-45-7**	0.1	0.15	**1.0**	**3.7**	ppm		**Final AEGL-2, -3**
888	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	1.00E-03	1	1	1	ppm	P-1, P-2, P-3	
889	Dibromo-4-nitrophenol, 2,6-	99-28-5	0.04	0.1	0.75	4	ppm		
890	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	40	125	150	150	mg/m^3	T-0, P-1, P-2	
891	Dibromohexane, 1,6-	629-03-8	1	3.5	20	100	mg/m^3		
892	Dibromomethane; (Methylene dibromide)	74-95-3	10	30	200	1,250	ppm		Duplicate deleted. Original units changed to ppm.
893	Dibromophenol, 2,6-	608-33-3	0.5	0.5	2.5	2.5	mg/m^3		SAR
894	Dibromopropane, 1,3-	109-64-8	2	6	40	200	mg/m^3		
895	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	150	500	3,500	15,000	ppm		
896	Dibutyl (2-ethylhexyl)phosphate	z-0011	0.2	0.6	0.7	0.7	ppm		SAR
897	Dibutyl butylphosphonate	78-46-6	0.04	0.125	1	5	ppm		
898	Dibutyl peroxide, tert-	110-05-4	1.25	4	25	400	ppm		
899	Dibutyl phosphate	107-66-4	1	2	6	30	ppm		Changed "N" to "Y"
900	Dibutyl phosphite	1809-19-4	20	60	400	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
901	Dibutyl phthalate	84-74-2	5	10	75	500	mg/m^3	P-1	
902	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	12	36.1	60.1	500	mg/m^3		Not found in databases, no useful information in MSDS.
903	Dibutylhexamethylenediamine, N,N'-	4835-11-4	1	3	22	75	mg/m^3		
904	Dibutyltin dilaurate; (Dibutylbis(lauroyloxy)stannane)	77-58-7	0.532	1.06	35	133	mg/m3	**New addition**	Used tin exposure limits, as Sn
905	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	0.004	0.0125	0.075	500	mg/m^3		
906	Dichloro(4,4-dimethylzinc - 5((((methylamino)carbonyl) oxy)-imino)pentanenitrile), (trans-4)-; (Ethienocarb)	58270-08-9	1.5	5	9	9	mg/m^3		
907	**Dichloro-1,1,1-trifluoroethane, 2,2-; (HCFC-123)**	**306-83-2**	50	150	**1000**	**10000**	ppm		**ERPG-2, -3**
908	**Dichloro-1-fluoroethane, 1,1-; (HCFC-141b; Freon 141)**	**1717-00-6**	500	**1000**	**1700**	**3000**	ppm		**Final AEGL-1, -2, -3**
909	Dichloro-2-butene, 1,4-	764-41-0	0.005	0.6	4	50	ppm	P-1, P-2, P-3	
910	Dichloro-2-propanol, 1,3-	96-23-1	6	15	50	50	ppm		
911	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	2.5	7.5	13	13	mg/m^3		
912	Dichloroacetic acid	79-43-6	0.5	10	75	200	ppm		
913	**Dichloroacetyl chloride**	**79-36-7**	0.0125	**0.040**	**1.60**	**52**	ppm		**Interim AEGL-1, -2, -3**
914	Dichloroacetylene	7572-29-4	0.5	1.5	10	40	ppm		
915	Dichloroamine; (Chlorimide)	3400-09-7	0.25	0.75	6	30	ppm		
916	Dichlorobenzene, m-	541-73-1	2	4	30	75	ppm	P-1, P-2	

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
917	Dichlorobenzene, o-	95-50-1	25	50	50	200	ppm		
918	Dichlorobenzene, p-	106-46-7	10	10	10	150	ppm	P-2	
919	Dichlorobenzidene, 3,3'-	91-94-1	0.2	0.6	4	150	ppm	P-3	
920	Dichlorocyclohexane, 1,1-	2108-92-1	0.25	0.75	6	30	ppm		SAR
921	Dichlorocyclohexane, trans-1,2-	822-86-6	0.25	0.75	6	30	mg/m^3		In H&N, used chlorocyclohexane (CASRN 2108-92-1)
922	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	1,000	3,000	10,000	15,000	ppm		
923	Dichloroethanol acetate, 1,2-	10140-87-1	0.35	1	1.71	6	ppm		
924	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane; Bis(2-chloroethyl)ether)	111-44-4	5	10	25.7	100	ppm		
925	Dichloroethylaluminum	563-43-9	9.41	10	10	10	mg/m^3	T-0, P-1, P-2	Alkylaluminums, severe irritant no toxicity data found
926	Dichloroethylbenzene; (Ethyldichlorobenzene)	1331-29-9	20	60	500	500	mg/m^3		
927	Dichloroethylene, 1,2-	540-59-0	200	200	200	1,000	ppm	P-1, P-2	
928	**Dichloroethylene, cis-1,2-**	**156-59-2**	140	**140**	**500**	**850**	ppm		**Interim AEGL-1, -2, -3**
929	**Dichloroethylene, trans-1,2-**	**156-60-5**	200	**280**	**1000**	**1700**	ppm		**Interim AEGL-1, -2, -3** AEGL name used, although NLM has trans-1,2-
930	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	10	1,500	5,000	5,000	ppm	P-1, P-2	PEL-TWA not used
931	Dichlorohexane, 1,2-	2162-92-7	0.25	0.75	6	30	ppm		SAR
932	Dichlorohexane, 1,6-	2163-00-0	15	50	350	500	mg/m^3		No toxicity data found. Rat oral LD50 taken from 2,5-dichlorohexane (13275-18-8)
933	Dichloroisopropyl ether	108-60-1	0.3	0.75	6	40	ppm	P-3	

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
934	Dichloromethane-d2	1665-00-5	25	200	560	6,900	ppm		Used methylene chloride (75-09-2) PAC values, D2 replacing H2
935	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	0.6	2	6	6	ppm		
936	**Dichloromethyl ether; (bis(Chloromethyl)ether)**	**542-88-1**	1.00E-03	0.006	**0.044**	**0.18**	ppm		**Interim AEGL-2, -3** **ERPG-2, -3**
937	Dichloromethylphenylsilane	149-74-6	1	3	20	20	mg/m^3		
938	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	0.1	0.3	2	10	ppm		
939	Dichlorooctane, 1,8-	2162-99-4	10	30	200	500	mg/m^3		No toxicity data found. Rat toxicity based on other dichloroalkyls
940	Dichlorophene	97-23-4	6	15	125	500	mg/m^3		
941	**Dichlorophenol, 2,4-**	**120-83-2**	0.2	**0.2**	**2**	**20**	ppm		**ERPG-1, -2, -3**
942	Dichlorophenol, 2,6-	87-65-0	12.5	35	250	500	mg/m^3	**T-0, P-1, P-2, P-3**	
943	Dichlorophenoxyacetic acid, 2,4-; (2,4-D)	94-75-7	10	10	40	100	mg/m^3		
944	Dichloropropane	26638-19-7	5	15	100	350	ppm	**T-0, P-1, P-2, P-3**	Used 1,3-dichloropropane (142-28-9) values.
945	Dichloropropane, 1,1-	78-99-9	4	12.5	75	400	ppm		
946	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	10	200	400	400	ppm	**P-1**	PEL-TWA ignored.
947	Dichloropropane, 1,3-	142-28-9	5	15	100	350	ppm		Toxicity data used.
948	Dichloropropane, 2,2-	594-20-7	20	60	400	2,000	ppm	**T-0, P-1, P-2, P-3**	Toxicity data used.
949	Dichloropropene, 1,1-	563-58-6	1.5	5	40	200	ppm	**T-0, P-1, P-2**	Toxicity based on 1,2-Dichloropropene, 563-54-2
950	Dichloropropene, 1,2-	563-54-2	1.5	5	40	200	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
951	Dichloropropene, 1,3-	542-75-6	1	20	150	400	ppm		
952	Dichloropropene, 2,3-	78-88-6	0.2	0.6	4	75	ppm		
953	Dichloropropene, cis-1,2-; (1,2-Dichloro-1-propene, (Z)-)	6923-20-2	1.5	5	40	200	ppm		Toxicity based on 1,2-dichloropropene, 563-54-2
954	Dichloropropene, cis-1,3-	10061-01-5	0.04	0.125	0.75	4	ppm		
955	Dichloropropene, trans-1,3-	10061-02-6	1	20	150	200	ppm		No toxicity data found Used 1,3-dichloropropene (542-75-6) values
956	**Dichlorosilane**	**4109-96-0**	0.3	**0.90**	**11**	**50**	ppm		**Interim AEGL-1, -2, -3**
957	Dichlorotetrafluoroethane	1320-37-2	10,000	30,000	60,000	60,000	ppm		See CASRN = 76-14-2 RTECS toxicity data differ
958	Dichlorotetrafluoroethane, 1,2-; (Freon 114, CFC 114)	76-14-2	1,000	1,500	10,000	15,000	ppm	P-1, P-2	See CASRN 1320-37-2 RTECS toxicity data differ
959	Dichlorovos; (Dichlorvos)	62-73-7	0.1	0.3	20	100	mg/m^3	T-0, P-1	PEL-TWA suppressed
960	Dicrotophos	141-66-2	0.05	0.15	0.9	40	mg/m^3		
961	Dicyclohexano-18-crown-6	16069-36-6	0.2	0.6	4	75	mg/m^3		
962	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	7.5	25	150	500	mg/m^3		No toxicity data found Assumed HHR = 2.
963	Dicyclohexylcarbodiimide	538-75-0	0.0035	0.01	0.06	100	mg/m^3		
964	**Dicyclopentadiene**	**77-73-6**	0.01	**0.01**	**5**	**75**	ppm		**ERPG-1, -2, -3**
965	Didecyldimethylammonium chloride	7173-51-5	1.5	5	35	35	mg/m^3		No pchem data found.
966	Dieldrin	60-57-1	0.25	0.3	25	50	mg/m^3	P-1	
967	Diesel fuel marine; (Diesel fuel No. 4)	z-0012	100	350	500	500	mg/m^3		
968	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	100	125	500	500	mg/m^3	P-1	Toxicity data updated

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
969	Diesel fuels	68334-30-5	100	250	500	500	mg/m^3		Toxicity data updated
970	Diethanolamine	111-42-2	1	25	150	300	mg/m^3	P-1, P-2	
971	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (Dowex 50-X8 resin)	69011-20-7	10	30	50	250	mg/m^3		No toxicity or pchem data found.
972	Diethoxydimethylsilane	78-62-6	5	15	100	500	ppm		
973	Diethyl (methylthiomethyl) phosphonate	28460-01-7	0.05	0.15	1	5	ppm		Not found; LD50 based on Methyl demeton methyl, CASRN=2587-90-8, MF=C5.H13.O3.P.S2. MSDS states irritant
974	**Diethyl benzene isomers; (Dowtherm J)**	**25340-17-4**	5	**10**	**100**	**500**	ppm		**New ERPG-1, -2, -3**
975	Diethyl carbonate	105-58-8	3	7.5	60	300	ppm		
976	Diethyl chlorophosphate	814-49-3	1.5	5	8	8	mg/m^3		Changed "Y" to "N" for mild irritant.
977	Diethyl ethylphosphonate	78-38-6	2	6	40	500	mg/m^3		
978	Diethyl malonate; (Ethyl malonate)	105-53-3	10	30	200	1,000	ppm		
979	Diethyl mercury	627-44-1	0.0129	0.0387	0.0516	2.58	mg/m^3		As Hg, alkyl compounds
980	Diethyl methylphosphonate; (DEMP)	683-08-9	7.5	25	200	500	mg/m^3		
981	Diethyl oxalate	95-92-1	1.5	5	35	150	mg/m^3		
982	Diethyl phosphite	762-04-9	15	50	350	500	mg/m^3		
983	Diethyl phthalate; (Ethyl phthalate)	84-66-2	5	15	100	500	mg/m^3		
984	Diethyl pyrocarbonate	1609-47-8	10	30	200	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
985	Diethyl sulfate	64-67-5	0.075	0.2	1.5	25	ppm		Toxicity data changed
986	Diethyl tartrate	87-91-2	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found. No HHR found.
987	Diethyl telluride	627-54-3	0.1	0.3	6	10	mg/m^3		
988	Diethyl trichloromethylphosphonate	866-23-9	3	7.5	60	300	mg/m^3		
989	Diethylamine	109-89-7	5	15	75	200	ppm	T-0	PEL-TWA suppressed
990	Diethylaminoacetone	1620-14-0	0.5	1.5	10	50	ppm		SAR
991	Diethylaminopropylamine	104-78-9	2	6	50	250	mg/m^3		
992	Diethylaniline, N,N-	91-66-7	7.5	20	150	500	mg/m^3		Toxicity data updated.
993	Diethylbenzene, m-	141-93-5	40	125	500	500	mg/m^3		
994	Diethylbenzene, o-	135-01-3	1.5	5	35	500	mg/m^3		
995	**Diethyldichlorosilane**	**1719-53-5**	0.3	**0.9**	**11**	**50**	ppm		**Interim AEGL-1, -2, -3**
996	Diethylene glycol	111-46-6	2.31	40	200	200	ppm		
997	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	15	50	350	500	mg/m^3		
998	Diethylene glycol diacetate; (2,2'-Oxybisethanol diacetate)	628-68-2	100	300	500	500	mg/m^3		
999	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	5	15	400	400	ppm		
1000	Diethylene glycol hexyl ether; (n-Hexyl carbitol)	112-59-4	7.5	25	150	500	mg/m^3		
1001	Diethylenetriamine	111-40-0	1	1	1.25	1.5	ppm		
1002	Diethylenetriaminepentaacetic acid	67-43-6	2.5	7.5	50	250	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1003	Diethylethanolamine, N,N-; (Diethylaminoethanol)	100-37-8	2	3	20	100	ppm	T-0, P-1	PEL-TWA suppressed
1004	Diethylphosphatoethyltriethoxy silane	757-44-8	75	200	500	500	mg/m^3		
1005	Diethylstilbestrol; ((E)-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol)	56-53-1	0.025	0.075	0.6	15	mg/m^3		
1006	Diethylthiourea, N,N'-	105-55-5	0.6	1.5	12.5	125	mg/m^3		
1007	Diethylurea, 1,3-	623-76-7	5	15	100	600	ppm		
1008	Diethylzinc	557-20-0	0.1	0.3	2	10	ppm		LC50 based on SAX Safety Profile.
1009	**Difluoroethane; (1,1-Difluoroethane; HFC 152a)**	**75-37-6**	1,000	***10000***	***15000***	***25000***	ppm		**ERPG-1, -2, -3** See LEL formatting note.
1010	Digitoxin	71-63-6	0.0075	0.025	0.18	0.25	mg/m^3		
1011	Diglycidyl ether	2238-07-5	0.01	10	10	10	ppm		
1012	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	20	60	400	500	mg/m^3		Toxicity data updated.
1013	Digoxin	20830-75-5	0.04	0.125	0.2	0.35	mg/m^3		
1014	Dihexyl((diethylcarbamoyl)methyl) phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	4	12.5	75	400	mg/m^3		
1015	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	2	6	40	500	mg/m^3		
1016	Dihydro-2H-pyran, 3,4-	110-87-2	0.4	1.25	7.5	40	ppm		VD =2.90, no toxicity data found. Toxicity based on HHR.
1017	Dihydro-3-(nonenyl)-2,5-furandione	28928-97-4	10	30	50	250	mg/m^3		TSCA, H&N listed, MFs differ, no toxicity data found, assumed nonvolatile.
1018	Dihydro-4-methyl furan, 2,3-	34314-83-5	1.5	5	35	150	mg/m^3		No toxicity data found, based on methylfuran
1019	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	0.0042	0.25	1.5	8.4	mg/m^3		Platinum, soluble salts exposure limits used.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1020	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	0.3	1	6	35	mg/m^3		
1021	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	1.5	4	30	150	ppm		
1022	Dihydroxyanthraquinone, 1,8-; (Dantron)	117-10-2	0.04	0.125	0.75	500	mg/m^3	T-0, P-1, P-2, P-3	
1023	Dihydroxybenzoic acid, 2,4-	89-86-1	1	3	20	350	mg/m^3		Mouse LD50 > 800 mg/kg
1024	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	10	30	50	250	mg/m^3		Chemfinder MF, MW. No toxicity data, MSDS pchem data.
1025	Diiodomethane; (Methylene iodide)	75-11-6	75	200	500	500	mg/m^3		
1026	Diisoamylamine	544-00-3	5	15	25	125	ppm		TSCA listed. No toxicity or HHR found.
1027	Diisobutyl ketone	108-83-8	50	50	50	500	ppm		
1028	Diisobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	1.81	5.44	9.07	1,000	ppm		
1029	Diisobutylamine	110-96-3	0.2	0.6	4	20	ppm		
1030	Diisooctyl acid phosphate	27215-10-7	7.5	25	150	500	mg/m^3		No toxicity data found. Used default rat oral LD50 based on SAX HR.
1031	Diisopropyl methylphosphonate	1445-75-6	2	6	40	350	mg/m^3		Toxicity data updated.
1032	Diisopropyl peroxydicarbonate	105-64-6	7.5	25	150	500	mg/m^3		
1033	Diisopropylamine	108-18-9	5	10	75	200	ppm		Toxicity data updated.
1034	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	0.0125	0.035	0.25	1.25	mg/m^3		
1035	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0	2.5	7.5	50	250	mg/m^3		
1036	Diisopropylaniline, 2,6-	24544-04-5	35	100	500	500	mg/m^3		
1037	Diisopropylbenzene, 1,3-	99-62-7	150	500	500	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1038	Diisopropylethylamine, N,N-	7087-68-5	2	6	40	200	ppm		TSCA, HC&P, H&N listed, no toxicity data. HHR ex MSDS.
1039	Diisopropylfluorophosphate; (Phosphorofluoridic acid, bis(1-methylethyl) ester)	55-91-4	0.75	2	3.6	3.6	mg/m^3		
1040	Diisopropylnaphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	12.5	40	300	500	mg/m^3		
1041	**Diketene; (Ketene dimer)**	**674-82-8**	0.35	**1**	**6**	**18**	ppm		**Interim AEGL-2, -3** **ERPG-1, -2, -3**
1042	Dilauroyl peroxide	105-74-8	0.003	0.01	0.06	0.35	mg/m^3		
1043	Dimefox; (bis(Dimethylamido)fluorophosphate)	115-26-4	0.2	0.6	1	1	mg/m^3		
1044	Dimethoate	60-51-5	6	15	30	30	mg/m^3		
1045	Dimethoxybenzene, 1,3-	151-10-0	3.5	10	75	400	mg/m^3		
1046	Dimethoxybenzene, o-	91-16-7	3.5	10	75	400	mg/m^3		
1047	Dimethoxybenzidene 3,3'-; (o-Dianisidine)	119-90-4	40	125	500	500	mg/m^3	T-0, P-1, P-2, P-3	Toxicity data updated
1048	Dimethoxybutane, 1,3-	10143-66-5	7.5	25	150	750	ppm		
1049	Dimethoxybutane, 2,2-	3453-99-4	7.5	20	150	750	ppm		Not found. Based on 1,3-dimethoxybutane.
1050	Dimethoxydiphenylsilane	6843-66-9	0.15	0.5	3.5	15	mg/m^3		Rat LC > 42 mg/m3
1051	Dimethoxyethane, 1,2-	110-71-4	3.5	10	75	1,000	ppm		
1052	Dimethoxypropane, 2,2-	77-76-9	0.4	1.25	7.5	40	ppm		No toxicity data found.
1053	Dimethyglyoxime; (Diacetyldioxime)	95-45-4	2	6	40	200	mg/m^3		
1054	Dimethyl butane, 2,2-	75-83-2	500	510	510	***2,500***	ppm		See LEL formatting note.
1055	Dimethyl carbamoyl chloride	79-44-7	0.005	0.125	0.75	20	ppm	P-1, P-2, P-3	

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1056	Dimethyl carbonate	616-38-6	15	40	300	1,500	ppm		
1057	Dimethyl cyclopentanol, 1,3-	19550-46-0	10	30	50	250	mg/m^3		Not found in databases. MF, MW from ChemFinder.
1058	**Dimethyl disulfide**	**624-92-0**	0.5	1.5	**50**	**250**	ppm		**ERPG-2, -3** Odor-based ERPG-1 suppressed.
1059	Dimethyl mercury	593-74-8	0.0115	0.0345	0.046	2.3	mg/m^3		Alkyl mercury compound, as Hg.
1060	Dimethyl methylphosphonate; (DMMP)	756-79-6	100	350	500	500	mg/m^3		
1061	**Dimethyl phosphite**	**868-85-9**	4	12.5	**95**	**150**	mg/m^3	T-0, P-1, P-2, P-3	New Interim **AEGL-2, AEGL-3**
1062	Dimethyl phosphorochloridothioate	2524-03-0	1.5	4	32	150	mg/m^3		
1063	Dimethyl siloxane; (Dimethylpolysiloxane; Syltherm XLT; Syltherm 800; Silicone 360)	63148-62-9	15	50	350	500	mg/m^3		Several RTECS entries for this CASRN
1064	**Dimethyl sulfate**	**77-78-1**	0.024	**0.024**	**0.12**	**1.6**	ppm		**Interim AEGL-1, -2, -3**
1065	**Dimethyl sulfide; (2-Thiopropane)**	**75-18-3**	10	150	**1000**	***5000***	ppm		**ERPG-2, -3** odor-based ERPG-1 ignored See LEL formatting note.
1066	Dimethyl sulfone	67-71-0	20	60	400	500	mg/m^3		Rat LD50 > 5 g/kg
1067	Dimethyl sulfoxide; (DMSO)	67-68-5	250	750	1,250	2,000	ppm	P-1, P-2	
1068	Dimethyl(1-phenylethyl)benzene	40766-31-2	4	12.5	75	500	mg/m^3		
1069	Dimethyl(polysiloxane); (Polydimethylsiloxane, silanol terminated; Dimethylsiloxane, poly, hydroxy end-blocked)	70131-67-8	250	500	500	500	mg/m^3		Assumed density, rat oral LD50 > 64 mL/kg
1070	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	5	15	100	500	ppm		
1071	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	2.5	7.5	50	200	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1072	Dimethyl-1-butanamine, N,N-	927-62-8	200	500	500	500	mg/m^3		MSDS toxicity data inconsistent with RTECS.
1073	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	0.4	1.25	7.5	40	ppm		No toxicity data found, estimated HHR.
1074	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	10	30	50	250	mg/m^3		TSCA, HC&P listed, no toxicity data. MSDS pchem data differs.
1075	Dimethyl-3-pentanone, 2,4-	565-80-0	5	15	100	1,000	ppm		
1076	Dimethyl-5-phenylphenazinium chloride, 3,7-diamino-2,8-; (Safranine; Gossypimine)	477-73-6	0.25	0.75	5	25	mg/m^3		No pchem data found.
1077	Dimethylacetamide, N,N-	127-19-5	10	75	300	300	ppm		
1078	Dimethylacrylamide, N,N-	2680-03-7	0.6	1.5	12.5	200	mg/m^3		No pchem data found
1079	**Dimethylamine**	**124-40-3**	10	**10**	**66**	**250**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
1080	Dimethylamino)benzaldehyde, p-(	100-10-7	7.5	25	150	250	mg/m^3		
1081	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, p-((p-(; (Methyl orange, sodium salt)	547-58-0	0.25	0.75	5	25	mg/m^3		SAX, RTECS, HC&P, H&N all have H14, but HSDB, TSCA have H15 in MF
1082	Dimethylaminoazobenzene, 4-	60-11-7	4	12.5	75	75	mg/m^3	**T-0, P-1**	
1083	Dimethylaminocyclohexane, N,N-	98-94-2	4	10	75	400	mg/m3	**New addition**	Partly soluble in H2O
1084	Dimethylaminoethanol, 2-	108-01-0	12.5	35	150	150	ppm		
1085	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	0.6	2	15	100	mg/m^3		
1086	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	1.5	5	35	150	mg/m^3		Not listed in databases, MSDS pchem data, no HHR found.
1087	Dimethylaniline, N,N-	121-69-7	5	10	10	100	ppm		
1088	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	0.1	0.3	2	100	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1089	Dimethylbutyric acid, 2,2-	595-37-9	7.5	25	150	500	mg/m^3		No toxicity data found. MSDS pchem and HHR data.
1090	**Dimethylchlorosilane; (Chlorodimethylsilane)**	**1066-35-9**	0.6	**1.8**	**22**	**100**	ppm		Revised **Interim AEGL-1, -2, -3**
1091	Dimethylcyclohexane, cis-1,4-	624-29-3	0.75	2	15	75	ppm		In H&N, based on cyclohexane
1092	Dimethyldecane, 2,2-	17302-37-3	50.3	50.3	259	***1,250***	ppm		See LEL formatting note.
1093	**Dimethyldichlorosilane**	**75-78-5**	0.3	**0.90**	**11**	**50**	ppm	P-2, P-3	**Interim AEGL-1, -2, -3**
1094	Dimethyldicyclopentadiene	26472-00-4	7.5	25	200	500	mg/m^3		
1095	Dimethyldimethoxysilane	1112-39-6	20	60	400	500	mg/m^3		
1096	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	0.75	2.5	15	50	ppm		
1097	**Dimethylformamide, N,N-**	**68-12-2**	2	**2**	**91**	**530**	ppm		**Interim AEGL-2, -3** **ERPG-1, -2, -3**
1098	Dimethylheptane, 2,2-	1071-26-7	66.8	66.8	343	***1,500***	ppm		In HC&P; NIOSH limits for Alkanes used. See LEL formatting note.
1099	Dimethylhexane, 3,3-	563-16-6	75	75	386	***2,000***	ppm		In HC&P; NIOSH limits for Alkanes used. See LEL formatting note.
1100	**Dimethylhydrazine, 1,1-**	**57-14-7**	0.01	0.4	**3.0**	**11**	ppm	T-0, P-1	**Final AEGL-2, -3** PEL-TWA suppressed
1101	**Dimethylhydrazine, 1,2-**	**540-73-8**	0.6	1.5	**3.0**	**11**	ppm		**Final AEGL-2, -3**
1102	Dimethylimidizole, 1,2-	1739-84-0	4	12.5	75	400	mg/m^3		
1103	Dimethylisopropylamine, N,N-	996-35-0	3.6	10.8	18	75	mg/m^3		
1104	Dimethylnonane, 4,5-	17302-23-7	125	250	625	***1,250***	ppm		Not found in databases. Based on estimated TWA
1105	Dimethyloctane, 3,5-	15869-93-9	100	200	500	***1,000***	ppm		Based on an estimated TWA. See LEL formatting note.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1106	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	0.3	1	6	500	mg/m^3		
1107	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	0.75	2	15	125	mg/m^3		
1108	Dimethylphthalate	131-11-3	5	15	25	500	mg/m^3	P-2	
1109	Dimethylpolysilane; (Poly(dimethylsilane))	28883-63-8	0.75	2.5	10	25	ppm		Not found in databases No pchem data found Changed units to ppm
1110	Dimethyl-p-phenylenediamine, N,N-	99-98-9	0.025	0.075	0.13	1	mg/m^3		
1111	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	610	610	610	***1,500***	ppm		Used pentane limits. See LEL formatting note.
1112	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	0.2	0.6	4	20	ppm		
1113	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	10	30	50	250	mg/m^3		Not found in databases.
1114	Dimetilan	644-64-4	5	15	25	25	mg/m^3		
1115	Di-n-amylamine	2050-92-2	0.06	0.2	1.25	6	ppm		
1116	Di-n-butylamine	111-92-2	2.5	7.5	50	50	ppm	T-0, P-1, P-2	
1117	Dinitraniline orange; (Hansa orange RN)	3468-63-1	10	30	50	250	mg/m^3		No data found.
1118	Dinitroaniline, 2,4-	97-02-9	0.035	0.1	0.75	12.5	mg/m^3		
1119	Dinitrobenzene, m-	99-65-0	1	3	5	50	mg/m^3	P-2	
1120	Dinitrobenzene, o-	528-29-0	1	3	5	50	mg/m^3		
1121	Dinitrobenzene, p-	100-25-4	1	3	5	50	mg/m^3		
1122	Dinitro-o-cresol, 4,6-	534-52-1	0.2	0.2	0.5	5	mg/m^3		
1123	Dinitrophenol	25550-58-7	0.035	0.1	0.75	4	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1124	Dinitrophenol, 2,3-	66-56-8	0.75	2	15	75	mg/m^3		
1125	Dinitrophenol, 2,4-	51-28-5	1.25	3.5	25	30	mg/m^3		See also CASRN 25550-58-7, mixed isomers.
1126	Dinitrophenol, 2,6-	573-56-8	0.15	0.4	3	15	mg/m^3		
1127	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	2.5	7.5	50	250	mg/m^3		
1128	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	0.5	1.5	10	60	mg/m^3		
1129	Dinitrotoluene	25321-14-6	0.2	1.5	12.5	50	mg/m^3	P-1	PEL-TWA suppressed
1130	Dinitrotoluene, 2,4-	121-14-2	0.2	7.5	50	50	mg/m^3	P-1	PEL-TWA suppressed Exposure limits are for mixed isomers
1131	Dinitrotoluene, 2,6-	606-20-2	0.2	15	50	50	mg/m^3	P-1, P-2	PEL-TWA suppressed Exposure limits are for mixed isomers
1132	Dinitrotoluene, 3,4-	610-39-9	0.2	0.6	1	50	mg/m^3		PEL-TWA suppressed Exposure limits are for mixed isomers
1133	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	0.2	0.6	4.5	4.5	mg/m^3	T-0, P-1, P-3	
1134	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	5	15	25	25	mg/m^3		
1135	Dioctyl phthalate, n-	117-84-0	15	50	400	500	mg/m^3		
1136	Dioctyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	7.5	20	150	500	mg/m^3		
1137	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	7.5	20	150	500	mg/m^3		
1138	**Dioxane, 1,4-; (1,4-Diethyleneoxide)**	**123-91-1**	17	**17**	**320**	**760**	ppm		**Interim AEGL-1, -2, -3**
1139	Dioxathion	78-34-2	0.1	0.3	3.4	150	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1140	Dioxin; (TCDD; 2,3,7,8-Tetrachlorodibenzo-p-dioxin)	1746-01-6	1.00E-08	0.0015	0.0075	0.0075	mg/m^3		SAX has synonym 2,3,6,7-tetrachlorodibenzo-p-dioxin, not other databases
1141	Dioxolane, 1,3-	646-06-0	20	60	69.3	***3,000***	ppm		See LEL formatting note
1142	Dipentaerythritol; (Dipentek)	126-58-9	10	30	50	250	mg/m^3		No toxicity data found
1143	Dipentyl pentylphosphonate	6418-56-0	25	75	500	500	mg/m^3		RTECS LD > 3160 mg/kg.
1144	Diphacinone; (Diphenadione)	82-66-6	0.15	0.5	0.9	500	mg/m^3		
1145	Diphenyl chlorophosphate; (Diphenylphosphoryl chloride)	2524-64-3	1	3	20	100	mg/m3	**New addition**	HC&P pchem data. "Y" from TCI America MSDS, may be harmful if ingested or inhaled
1146	Diphenyl cresol phosphate	26444-49-5	2.5	7.5	50	500	mg/m^3		Name changed, synonym deleted.
1147	Diphenyl mercury	587-85-9	0.177	0.177	0.177	17.7	mg/m^3		Mercury, aryl compound limits, as Hg.
1148	**Diphenyl; (Biphenyl)**	**92-52-4**	0.2	1.25	**9.6**	15.9	ppm		Interim **AEGL-2**
1149	Diphenylamine	122-39-4	10	100	500	500	mg/m^3	**P-1**	
1150	**Diphenylchloroarsine; (Chlorodiphenylarsine)**	**712-48-1**	0.39	0.39	**0.39**	**1.2**	mg/m^3		Interim **AEGL-2, -3**
1151	**Diphenyldichlorosilane**	**80-10-4**	0.3	**0.90**	**11**	**50**	ppm		Interim **AEGL-1, -2, -3**
1152	Diphenylguanidine, 1,3-	102-06-7	0.2	0.6	4	125	mg/m^3		
1153	Diphenylhydrazine, 1,2-	122-66-7	4	12.5	75	400	mg/m^3	**T-0, P-1, P-2, P-3**	
1154	Diphenylmethane	101-81-5	7.5	25	200	500	mg/m^3		
1155	Diphenylnitrosamine	86-30-6	7.5	25	150	500	mg/m^3		
1156	Diphenyloxazole, 2,5-	92-71-7	3	7.5	60	300	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1157	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	10	30	50	250	mg/m^3		TSCA, HC&P listed, no toxicity data. MSDS MW = 147.12
1158	Dipotassium cadmium oxide	z-0013	0.0099	0.0594	0.1	17.8	mg/m^3		Cadmium compounds, as Cd.
1159	Dipotassium dihydrogen silicate	z-0014	10	30	50	250	mg/m^3		MW = 140.30 for MF = K2H2SiO2
1160	Dipotassium metasilicate	10006-28-7	6	15	125	500	mg/m^3		**SAR**
1161	Dipropyl ketone; (4-Heptanone)	123-19-3	50	350	350	350	ppm		
1162	Dipropylamine	142-84-7	0.2	0.6	4	400	mg/m^3	**P-3**	
1163	Dipropylene glycol methyl ether	34590-94-8	100	150	300	600	ppm		IDLH added.
1164	Direct Black 38; (Apomine black GX)	1937-37-7	25	75	500	500	mg/m^3		
1165	Di-sec-octylphthalate	117-81-7	5	10	75	500	mg/m^3		
1166	Disodium (2-ethylhexyl)phosphate	15505-13-2	0.02	0.06	0.4	2	mg/m^3		TSCA and H&N listed. **SAR**
1167	Disodium 3,6-endoxohexahydrophthalate	129-67-9	1	3	20	20	mg/m^3		
1168	Disodium butylphosphate	64114-42-7	0.02	0.06	0.4	2	mg/m^3		**SAR**
1169	Disodium cadmium oxide	z-0016	0.00847	0.0508	0.0847	15.2	mg/m^3		Cadmium compound, as Cd.
1170	Disodium dihydrogen silicate	z-0017	10	30	50	250	mg/m^3		
1171	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	4	12.5	75	400	mg/m^3		RTECS MW = 222.18 **SAR**
1172	Disodium hexafluorosilicate (2-)	16893-85-9	4.12	4.12	7.5	412	mg/m^3	**P-2, P-3**	
1173	Disodium iminodiacetate	928-72-3	4	12.5	100	500	ppm		TSCA has MF with H7 rather than H5.
1174	Disulfiram	97-77-8	2	6	10	125	mg/m^3		

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1175	Disulfoton	298-04-4	0.05	0.15	2	75	mg/m^3		
1176	Di-tert-butyl dicarbonate	24424-99-5	0.4	1.25	7.5	40	mg/m^3		
1177	Di-tert-butylhydroquinone, 2,5-	88-58-4	12.5	40	250	400	mg/m^3		
1178	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	4	12.5	20	20	mg/m^3		
1179	Dithiobiuret	541-53-7	1	3	5	5	mg/m^3		
1180	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	0.75	2	15	75	mg/m^3		HC&P pchem data.
1181	Dithioerythritol, 1,4-	6892-68-8	1.25	4	25	125	mg/m^3		
1182	Diurethane dimethacrylate	72869-86-4	75	250	500	500	mg/m^3		TSCA listed. No toxicity or pchem data found. MSDS HHR = 0.
1183	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	10	10	75	350	ppm		Mixed isomer TLV-TWA and LD50 used.
1184	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	10	10	75	350	ppm		
1185	Dodecamethylcyclohexasiloxane	540-97-6	10	30	50	500	mg/m^3		rat oral LD50 > 50 g/kg **SAR**
1186	Dodecane	112-40-3	0.015	0.05	0.35	20	ppm		
1187	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	0.1	0.1	0.5	2.5	ppm		
1188	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity data or HHR found.
1189	Dodecenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	10	30	200	500	mg/m^3		
1190	Dodecenylsuccinic anhydride	25377-73-5	5	15	100	500	mg/m^3		
1191	Dodecyl alcohol	112-53-8	0.4	1	7.5	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1192	Dodecyl methacrylate	142-90-5	5	15	100	500	ppm		
1193	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0	2.5	7.5	50	250	mg/m^3		
1194	Dodecylphenol, 4- (mixture of isomers)	27193-86-8	7.5	25	150	500	mg/m^3		Pchem data varies in SAX, HSDB, HC&P.
1195	Dodecylsarcosine sodium salt, N-; (N-Lauryl sarcosine sodium salt)	7631-98-3	1.5	4	30	150	mg/m^3		
1196	**Dodecyltrichlorosilane**	**4484-72-4**	0.2	**0.60**	**7.3**	**33**	ppm		Interim **AEGL-1, -2, -3**
1197	Dowex 50WX4 (50-400 ion exchange resin)	11113-61-4	10	30	50	250	mg/m^3		Not found in databases. No MSDS, assume solid.
1198	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	10	30	50	250	mg/m^3		TSCA listed. No toxicity data found. MW, BP, SG ex MSDS.
1199	Dysprosium	7429-91-6	10	30	50	250	mg/m^3		No toxicity data found.
1200	Dysprosium nickelide	12175-27-8	10	30	50	250	mg/m^3		Not found in databases.
1201	Dysprosium nitrate	10143-38-1	10	30	200	500	mg/m^3		
1202	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	20	60	400	500	mg/m^3		Rat oral LD50 > 5 g/kg
1203	Ecolite	z-0018	20	60	400	500	mg/m^3		
1204	Emetine dihydrochloride, l-	316-42-7	0.05	0.15	0.4	0.4	mg/m^3		
1205	Endosulfan	115-29-7	0.1	0.3	8	200	mg/m^3	**P-2, P-3**	
1206	Endothion	2778-04-3	3.5	10	17	17	mg/m^3		
1207	Endrin	72-20-8	0.1	0.3	2	2	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1208	Epibatidine	140111-52-0	0.0015	0.004	0.025	0.025	mg/m^3		Brookhaven National Lab requested and supplied toxicity data. Spelling changed for this "nicotine-like" substance.
1209	Epibromohydrin	3132-64-7	1.25	3.5	25	125	mg/m^3		
1210	**Epichlorohydrin**	**106-89-8**	0.5	**5.7**	**24**	**72**	ppm		Interim **AEGL-1, -2, -3**
1211	Epinephrine; (Vasotonin; (R)-4-(1-Hydroxy-2-(methylamino)ethyl)-1,2-benzenediol)	51-43-4	0.0025	0.0025	0.0025	0.0025	mg/m^3		Human toxicity-based T-2 > human LDLo
1212	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	0.1	0.3	5	5	mg/m^3	T-0, P-1	PEL-TWA suppressed
1213	Epoxy resin (EPON 1001)	25068-38-6a	125	350	500	500	mg/m^3		Rabbit skin TDlo = 100 pph/7H not used.
1214	Epoxy resin (EPON 1007)	25068-38-6b	125	350	500	500	mg/m^3		Rabbit skin TDlo = 100 pph/7H not used.
1215	Epoxy resin (EPON 820)	25068-38-6c	50	150	500	500	mg/m^3		
1216	Epoxy resin ERL-2795	25068-38-6d	40	125	500	500	mg/m^3		Density of 1 g/mL assumed
1217	Epoxy resin, cured; (4,4'-(1-Methylethylidene)biscyclohexanol, polymer with (chloromethyl)oxirane)	30583-72-3	10	30	50	250	mg/m^3		No toxicity data found
1218	Epoxy resin; (Bisphenol A-Bisphenol A diglycidyl ether polymer)	25036-25-3	7.5	25	150	500	mg/m^3		TSCA, H&N listed No toxicity data found, used SRS HHR = 2.
1219	Epoxy resin; (Epichlorhydrin, polymer with diethylene glycol)	25928-94-3	0.06	0.2	1.25	6	mg/m^3		
1220	**Epoxybutane, 1,2-; (1,2-Butylene oxide)**	**106-88-7**	2	**72**	**140**	**330**	ppm	P-2, P-3	New Interim **AEGL-1,-2, -3**
1221	Epoxyethyl)-7-oxabicyclo(4.1.0)heptane, 3-(; (Vinyl cyclohexene dioxide)	106-87-6	0.1	0.35	2.5	75	ppm		Human skin exposure ignored.
1222	Erbium nitrate pentahydrate	10031-51-3	10	30	50	250	mg/m^3		No toxicity data found.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1223	Erbium(III) nitrate	10168-80-6	0.75	2	15	75	mg/m^3	T-0, P-1, P-2, P-3	
1224	Erbium(III) nitrate hexahydrate	13476-05-6	1	3	20	100	mg/m^3		
1225	Erbium(III) oxide	12061-16-4	20	60	400	500	mg/m^3		Rat LD50 > 5 g/kg
1226	Ergocalciferol; (Vitamin D2)	50-14-6	7.5	25	40	40	mg/m^3		
1227	Ergotamine tartrate	379-79-3	2	6	10	60	mg/m^3		
1228	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	10	30	50	250	mg/m^3		OHMTADS lists "Estane-5703", CASRN = 51-79-6, MSDS not useful
1229	Ethanaminium, N,N,N-triethyl-, iodide (1:1); (Tetraethylammoniumiodide; Ammonium, tetraethyl-, iodide)	68-05-3	0.105	0.4	3	15	mg/m^3	T-0, P-1, P-2, P-3	
1230	Ethane	74-84-0	1,000	***3,000***	***5,000***	***25,000***	ppm		Aliphatic hydrocarbon gas TLV-TWA. See LEL formatting note.
1231	Ethanedioic acid, dimethyl ester	553-90-2	4	12.5	75	400	mg/m^3		Rat LDlo > 500 mg/kg.
1232	Ethanedithiol, 1,2-	540-63-6	0.35	1	7.5	40	ppm		
1233	Ethanediyl)bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	15	50	400	500	mg/m^3		
1234	Ethanediylbis(N-(carboxymethyl)glycine), N,N'-1,2-, dipotassium salt	2001-94-7	1.5	5	40	200	mg/m^3		
1235	Ethanediylbis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	10	30	50	250	mg/m^3		No toxicity data. MSDS solid.
1236	**Ethanethiol; (Ethyl mercaptan)**	**75-08-1**	0.5	**1.0**	**120**	**360**	ppm		**Interim AEGL-1, -2, -3**
1237	Ethanol, titanium(4+) salt	3087-36-3	10	30	50	250	mg/m^3		TSCA, H&N listed, no toxicity data, assumed nonvolatile liquid.
1238	Ethanolamine	141-43-5	3	6	20	30	ppm	P-2	60-min EEGL suppressed

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1239	Ethenylsilanetriol triacetate	4130-08-9	10	30	50	250	mg/m^3		TSCA, HC&P listed, no toxicity data, no MSDS found, assumed nonvolatile.
1240	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	0.15	0.5	4	20	mg/m^3		
1241	Ethion	563-12-2	0.05	0.15	13	350	mg/m^3		
1242	Ethoxyethanol, 2-	110-80-5	5	5	5	500	ppm	P-1, P-2	
1243	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	25	30	200	400	ppm		
1244	Ethoxyethyl methacrylate, 2-	2370-63-0	4	12.5	75	400	mg/m^3		TSCA listed, no toxicity or pchem data found. Toxicity based on Ethoxyethyl acrylate (106-74-1).
1245	Ethoxyethylacetate, 2-	111-15-9	5	5	7.5	500	ppm	P-1, P-2	PEL-TWA ignored.
1246	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-(; (Checkmate)	74051-80-2	12.5	40	250	500	mg/m^3		
1247	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6	5	15	100	500	mg/m^3		Pchem data ex MSDS.
1248	Ethoxylated alcohols, C7-C21	68991-48-0	10	30	50	250	mg/m^3		No toxicity data found.
1249	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	2	6	40	500	mg/m^3	T-0, P-1, P-2	
1250	Ethyl (or dimethyl) pyrrolidine	z-0020	5	15	100	500	mg/m^3		SAR
1251	Ethyl acetate	141-78-6	400	400	400	***2,000***	ppm		See LEL formatting note.
1252	Ethyl acetoacetate	141-97-9	15	50	350	500	mg/m^3		
1253	**Ethyl acrylate**	**140-88-5**	5	**8.3**	**36**	**240**	ppm		**Interim AEGL-1, -2, -3** PEL-TWA suppressed.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1254	**Ethyl alcohol; (Ethanol)**	**64-17-5**	500	**1800**	***3300***	***3,300***	ppm	**T-0, P-1, P-2**	New **ERPG-1 & ERPG-2** PEL-TWA and REL-TWA suppressed See LEL formatting note
1255	Ethyl alcohol-d; (Ethanol-d)	925-93-9	1,000	1,000	1,000	3,300	ppm		Not listed in databases, MSDS pchem data.
1256	**Ethyl benzene**	**100-41-4**	33	**33**	***1100***	***1800***	ppm	**T-0, P-1, P-2, P-3**	**Interim AEGL-1, AEGL-2, AEGL-3** See LEL formatting note
1257	Ethyl benzoate	93-89-0	7.5	25	150	500	mg/m^3		
1258	Ethyl bromoacetate	105-36-2	7.50E-04	0.0025	0.02	0.1	ppm		
1259	Ethyl butyl ketone; (3-Heptanone)	106-35-4	50	75	200	1,000	ppm		
1260	Ethyl cellulose	9004-57-3	20	60	400	500	mg/m^3		Rat oral LD50 > 5 g/kg
1261	Ethyl chloride; (Chloroethane)	75-00-3	100	200	1,500	***3,800***	ppm	**P-1, P-2**	PEL-TWA ignored See LEL formatting note.
1262	Ethyl chloroacetate	105-39-5	0.15	0.4	3	15	ppm		
1263	**Ethyl chloroformate**	**541-41-3**	1	1	**1.6**	**4.8**	ppm		Interim **AEGL-2, -3** **New ERPG-2, -3**
1264	**Ethyl dimethylamido-cyanophosphate; (Tabun; GA)**	**77-81-6**	1.25E-04	**0.00042**	**0.0053**	**0.039**	ppm		**Final AEGL-1, -2, -3**
1265	Ethyl ether	60-29-7	400	500	500	***1,900***	ppm		See LEL formatting note.
1266	Ethyl formate	109-94-4	100	300	500	1,500	ppm		
1267	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	5	75	500	500	mg/m^3	**P-1, P-2**	
1268	**Ethyl isocyanate**	**109-90-0**	0.0025	0.0075	**0.053**	**0.16**	ppm	**New addition**	New interim **AEGL-2, AEGL-3**
1269	Ethyl lactate; (Ethyl (S)-(-)-lactate)	687-47-8	15	40	300	500	mg/m^3		HHR = 2. HSDB toxicity data.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1270	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	0.0132	0.0396	2.64	2.64	mg/m^3	P-2	Used exposure limits for mercury, alkyl compounds.
1271	Ethyl methacrylate; (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	50	150	750	750	ppm		
1272	Ethyl nitrite	109-95-5	0.6	2	12.5	60	ppm		
1273	Ethyl O-2-diisopropylaminoethylmethylphosphonite, O-; (QL)	57856-11-8	10	30	50	250	mg/m^3		CHEMFINDER, TSCA listed, no toxicity data, assumed nonvolatile liquid or solid.
1274	Ethyl propionate	105-37-3	7.5	25	150	750	ppm		
1275	Ethyl S,S-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	5	15	26	26	mg/m^3		Pchem data added.
1276	Ethyl sec-amyl ketone; (5-Methyl-3-heptanone)	541-85-5	25	25	25	100	ppm		Changed CASRN from 106-68-3, which is Ethyl amyl ketone, synonym 3-Octanone.
1277	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	10	30	50	250	mg/m^3		TSCA, H&N listed, no pchem or toxicity data found. ChemFinder MW, MF.
1278	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	12.5	40	300	750	ppm		
1279	**Ethyl-1-hexanol, 2-**	**104-76-7**	0.1	**0.1**	**100**	**200**	ppm	P-2, P-3	**ERPG-1, -2, -3**
1280	Ethyl-2-methylheptane, 3-	14676-29-0	15	50	350	***1,500***	ppm		No toxicity data found, ChemFinder listed, LC50 estimated. See LEL formatting note.
1281	Ethyl-2-methyloctane, 6-	62016-19-7	0.35	1	6	35	ppm		Undecane toxicity data used (C11 Alkanes)
1282	Ethyl-2-oxazoline, 2-	10431-98-8	0.1	0.3	2	10	ppm		TSCA listed, no toxicity or HHR found, MSDS pchem data.
1283	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid ethyl ester)	120-47-8	250	500	500	500	mg/m^3		
1284	Ethyl-5-methylheptane, 3-	52896-90-9	0.06	0.2	1.25	***5,000***	ppm		See LEL formatting note.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1285	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3	1.00E-03	0.003	0.02	0.1	mg/m^3		
1286	**Ethylamine; (Monoethylamine; Ethylamine anhydrous)**	**75-04-7**	7.5	**7.5**	**49**	**270**	ppm		**Interim AEGL-1, -2, -3**
1287	Ethylbenzaldehyde, 2-	22927-13-5	10	30	200	***1,000***	ppm		TSCA, HC&P, H&N & MSDS CASRN = 4748-78-1 for 4-ethylbenzaldehyde, TSCA has 53951-50-1 without "4-". "2-" not found. See LEL formatting note.
1288	**Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine; Nitrogen mustard-1)**	**538-07-8**	0.004	0.0125	**0.022**	**0.37**	mg/m^3		**Interim AEGL-2, -3** LC data from SAX, not in RTECS.
1289	**Ethylchlorothioformate**	**2941-64-2**	0.05	0.15	**0.26**	**0.79**	ppm		**Interim AEGL-2, -3**
1290	**Ethyldichloroarsine; (Dichloroethylarsine)**	**598-14-1**	0.029	0.029	**0.029**	**0.086**	mg/m^3	T-0, P-1	**Interim AEGL-2, -3**
1291	Ethylene	74-85-1	200	600	1,500	***7,500***	ppm		Mouse 120 min LC50 ignored See LEL formatting note
1292	**Ethylene chlorohydrin; (2-Chloroethanol)**	**107-07-3**	1	1	**4.0**	**12**	ppm		**Interim AEGL-2, -3**
1293	**Ethylene dibromide; (Dibromoethane)**	**106-93-4**	17	**17**	**24**	**46**	ppm		**Interim AEGL-1, -2, -3**
1294	**Ethylene dichloride; (1,2-Dichloroethane)**	**107-06-2**	10	**50**	**200**	**300**	ppm	T-0	**ERPG-1, -2, -3** PEL-TWA suppressed
1295	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	0.005	0.015	0.0267	1.25	ppm		
1296	Ethylene glycol	107-21-1	10	10	40	60	ppm		

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1297	Ethylene glycol diacetate	111-55-7	25	75	500	500	mg/m^3		
1298	Ethylene glycol dimethacrylate	97-90-5	12.5	40	300	500	mg/m^3		
1299	Ethylene glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	0.1	0.3	20	200	ppm		PEL-TWA suppressed.
1300	Ethylene glycol monomethyl ether; (2-Methoxyethanol; EGME; Methyl Cellosolve(R))	109-86-4	0.1	0.35	2.5	200	ppm		PEL-TWA suppressed.
1301	Ethylene glycol monopropyl ether; (Propyl cellosolve; Ektasolve EP)	2807-30-9	20	20	75	1,000	ppm		
1302	Ethylene glycol mono-sec-butyl ether	7795-91-7	3	10	60	350	mg/m^3		
1303	**Ethylene oxide; (Oxirane)**	**75-21-8**	1	5	**45**	**200**	ppm		**Interim AEGL-2, -3**
1304	Ethylene/vinyl acetate copolmer	24937-78-8	10	30	50	250	mg/m^3		TSCA, H&N listed, no toxicity data; MSDS states, MP and SG.
1305	Ethylenediamine dihydrochloride	333-18-6	0.1	0.3	2	60	mg/m^3		Human LClo skin ignored. No pchem data found.
1306	**Ethylenediamine, 1,2-**	**107-15-3**	9.7	9.7	**9.7**	**20**	ppm		**Final AEGL-2, -3**
1307	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	60	150	500	500	mg/m^3		
1308	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	10	30	50	250	mg/m^3		RTECS listed. No toxicity data found.
1309	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	2.5	7.5	50	250	mg/m^3		Source of mouse toxicity data not traced.
1310	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	7.5	25	150	500	mg/m^3		MSDS HHR = 2 used to estimate toxicity.
1311	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)	64-02-8	40	125	500	500	mg/m^3		MF corrected. MP =>300 C in HSDB.
1312	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	40	125	150	150	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1313	Ethylenedinitrilo)tetra-2-propanol, 1,1',1",1"'-(	102-60-3	15	50	350	500	mg/m^3		Rat oral LD > 500 mg/kg
1314	**Ethyleneimine**	**151-56-4**	0.05	0.1	**4.6**	**9.9**	ppm		**Interim AEGL-2, -3**
1315	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	0.75	2.5	15	500	mg/m^3		Human 10 year LCLo ignored
1316	Ethylheptane, 4-	2216-32-2	3	10	60	350	ppm		Assumed HHR = 3 to estimate toxicity.
1317	Ethylhexyl acrylate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	5	10	10	10	ppm	T-0, P-1	Name corrected
1318	Ethylhexyl bromide, 2-	18908-66-2	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found. MSDS pchem data, not helpful, assumed non-volatile.
1319	**Ethylhexylchloroformate, 2-**	**24468-13-1**	0.04	0.125	**0.97**	**2.9**	ppm		**Interim AEGL-2, -3**
1320	Ethylhexyloxy)ethanol, 2-(2-	1559-35-9	100	350	500	500	mg/m^3		
1321	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	100	750	3,000	3,000	ppm	P-1	
1322	**Ethylidene norbornene**	**16219-75-3**	0.06	**0.2**	**100**	**500**	ppm		**ERPG-1, -2, -3**
1323	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found, no HHR in MSDS. Used "N" for conc. dependence.
1324	**Ethylphosphorodichloridate**	**1498-51-7**	0.03	0.075	**0.60**	**6.0**	ppm	**New addition**	**New interim AEGL-2, AEGL-3**
1325	**Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)**	**50782-69-9**	5.00E-06	**0.000016**	**0.00027**	**9.10E-04**	ppm		**Final AEGL-1, -2, -3**
1326	Ethylthiocyanate	542-90-5	20	60	100	100	mg/m^3		
1327	Ethyltoluene, o-	611-14-3	500	500	500	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1328	Ethyltoluene, p-	622-96-8	500	500	500	500	mg/m^3		
1329	Europium	7440-53-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found.
1330	Europium nitrate; (Europium trinitrate)	10138-01-9	15	50	350	500	mg/m^3		
1331	Europium oxide	1308-96-9	20	60	400	500	mg/m^3		Rat oral LD50 > 5 g/kg
1332	Europium(II) iodide	22015-35-6	10	30	50	250	mg/m^3		TSCA, HC&P listed, no toxicity toxicity data found.
1333	Farnesol	4602-84-0	25	75	500	500	mg/m^3		
1334	Fatty acids, tall-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	66070-62-0	10	30	50	250	mg/m^3		
1335	Fenamiphos	22224-92-6	0.05	0.15	0.9	40	mg/m^3		
1336	Fensulfothion	115-90-2	0.01	0.03	2	12.5	mg/m^3		
1337	Fenthion	55-38-9	0.05	0.15	40	40	mg/m^3		
1338	Ferric ammonium citrate	1185-57-5	1.81	5.44	500	500	mg/m^3		Hygroscopic, light sensitive. X = 7 in MF to give MW
1339	Ferric ammonium sulfate dodecahydrate	7783-83-7	8.64	25.9	43.2	200	mg/m^3		RTECS listed, no toxicity data. Fe soluble salts.
1340	Ferric ammonium sulfate; (Sulfuric acid, ammonium iron(3e+) salt (2:1:1))	10138-04-2	4.82	14.5	25	125	mg/m^3		As soluble iron salts
1341	Ferric chloride	7705-08-0	2.9	2.9	10	500	mg/m^3	P-3	As soluble iron salts 0.744 g/mL saturated solution @ 0ºC
1342	Ferric chloride hexahydrate	10025-77-1	4.84	75	100	100	mg/m^3		As soluble iron salts
1343	Ferric fluoride	7783-50-8	4.95	12.5	100	495	mg/m^3		Fluoride exposure limits
1344	Ferric hydroxide; (Iron(III) hydroxide)	1309-33-7	3.5	10	75	400	mg/m^3		Insoluble iron compound. Rabbit fed 870 mg/kg died.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1345	Ferric nitrate	10421-48-4	4.33	40	250	500	mg/m^3	**P-1, P-2**	Iron salts, soluble, as Fe toxicity data for nonahydrate ex HSDB
1346	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	7.24	40	250	500	mg/m^3		As soluble iron salts
1347	Ferric phosphate	10045-86-0	2.7	8.1	13.5	60	mg/m^3		As soluble iron salts
1348	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	3.58	3.58	15	75	mg/m^3	**P-1, P-2**	As soluble iron salts
1349	Ferrous ammonium sulfate	10045-89-3	5.09	15.3	25.4	125	mg/m^3		
1350	Ferrous carbonate	563-71-3	15	40	300	500	mg/m^3		Insoluble iron compound HSDB toxicity data
1351	Ferrous chloride	7758-94-3	2.27	2.27	2.27	200	mg/m^3	**P-1, P-2**	
1352	Ferrous disulfide; (Iron disulfide)	12068-85-8	2.15	6.44	10.7	50	mg/m^3		HC&P CASRN = 1317-66-4 not in ExPub
1353	Ferrous hydroxide; (Iron(II) hydroxide)	18624-44-7	7.5	20	150	500	mg/m^3	**T-0, P-1, P-2, P-3**	OHMTADS states rabbit fed 890 mg/kg died. No other data found.
1354	Ferrous Oxalate; (Iron(II) oxalate)	516-03-0	2.58	7.73	12.9	60	mg/m3	**New addition**	No toxicity data found, assumed soluble, no pchem data found, listed in HSDB.
1355	Ferrous sulfamate	14017-39-1	2.79	8.38	14	60	mg/m^3		
1356	Ferrous sulfate	7720-78-7	2.72	8.16	13.6	50	mg/m^3	**P-3**	
1357	Ferrous sulfate heptahydrate	7782-63-0	4.98	14.9	25	500	mg/m^3		
1358	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	5	15	60	500	mg/m^3		
1359	Fluenetil	4301-50-2	1.25	3.5	6	6	mg/m^3		
1360	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	2.89	7.5	60	289	mg/m^3		Fluoride concentration limits

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1361	Fluoranthene	206-44-0	7.5	25	150	500	mg/m^3		
1362	Fluorene, 9H-	86-73-7	7.5	25	150	500	mg/m^3		
1363	Fluorides (as F)	16984-48-8	2.5	7.5	12.5	250	mg/m^3		
1364	**Fluorine**	**7782-41-4**	0.1	**1.7**	**5.0**	**13**	ppm		**Interim AEGL-1, -2, -3**
1365	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	7.5	25	150	500	mg/m^3		No toxicity data found. MSDS HHR = 2.
1366	Fluoro-4-nitrophenol, 2-	403-19-0	0.75	2.5	15	75	mg/m^3		**SAR** ChemFinder also has CASRN = 21571-34-6, deleted as separate entry.
1367	Fluoro-6-nitrophenol, 2-	1526-17-6	0.75	2.5	15	75	mg/m^3		**SAR** ChemFinder listed
1368	Fluoroacetamide	640-19-7	1	3.5	5.8	5.8	mg/m^3		
1369	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	0.05	0.15	0.5	2.5	mg/m^3		
1370	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	0.075	0.25	0.47	2	mg/m^3		
1371	Fluoroacetyl chloride	359-06-8	2	6	10	10	mg/m^3		
1372	Fluoroaniline, p-	371-40-4	1.5	5	35	150	mg/m^3		Rat oral TDlo, unspecified time, not used.
1373	Fluorobenzene	462-06-6	125	350	500	500	mg/m^3		
1374	**Fluorosulfonic acid; (Fluorosulfuric acid)**	**7789-21-1**	2	**2**	**10**	**30**	mg/m^3		**ERPG-1, -2, -3**.
1375	Fluorotrimethylsilane	420-56-4	2.5	7.5	50	250	ppm		Based on silicon fluoride.
1376	Fluorouracil	51-21-8	0.75	2.5	19	100	mg/m^3		
1377	Fonofos	944-22-9	0.1	0.3	1.3	200	mg/m^3		
1378	Food Red 15; (FD&C Red No. 19)	81-88-9	0.4	1.25	7.5	50	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1379	Forane	26675-46-7	2,000	5,000	5,000	5,000	ppm		
1380	**Formaldehyde**	**50-00-0**	0.3	**0.90**	**14**	**56**	ppm		**Interim AEGL-1, -2, -3**
1381	Formaldehyde cyanohydrin; (Hydroxyacetonitrile; Glycolonitrile)	107-16-4	0.125	0.35	2.57	4	ppm		
1382	Formamide	75-12-7	10	20	125	1,250	ppm		
1383	Formetanate hydrochloride	23422-53-9	3.5	10	18	18	mg/m^3		
1384	**Formic acid**	**64-18-6**	3	**3**	**25**	**250**	ppm	**T-0, P-1, P-2, P-3**	**ERPG-1, ERPG-2, ERPG-3**
1385	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	4	12.5	75	400	mg/m^3		
1386	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	50	150	1,000	1,000	ppm		
1387	Formothion	2540-82-1	0.05	0.15	0.27	500	mg/m^3		
1388	Formparanate	17702-57-7	1.5	4	7.2	7.2	mg/m^3		
1389	Formylpiperidine, 1-	2591-86-8	4	12.5	75	75	ppm		
1390	Fosthietan	21548-32-3	0.75	2.5	4.7	4.7	mg/m^3		
1391	Fuberidazole	3878-19-1	0.6	2	3.3	125	mg/m^3		
1392	Fuel oil, residual	68476-33-5	10	30	200	500	mg/m^3		SG assumed = 0.8
1393	Fulminic acid; (Carbyloxime)	506-85-4	0.6	1.5	12.5	60	ppm		No toxicity data found, pchem data ex HC&P,
1394	Fumaric acid	110-17-8	40	100	500	500	mg/m^3		
1395	**Furan**	**110-00-9**	1.25	4	**6.8**	**19**	ppm		**Interim AEGL-2, -3**
1396	**Furancarboxaldehyde, 2-; (Furfural)**	**98-01-1**	2	**2**	**10**	**100**	ppm		**ERPG-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1397	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	0.25	0.75	5	25	ppm		
1398	Furfuryl alcohol	98-00-0	10	15	15	75	ppm		PEL-TWA supressed
1399	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	0.0015	0.004	0.03	0.4	mg/m^3		
1400	Gadolinium	7440-54-2	500	500	500	500	mg/m^3		
1401	Gadolinium chloride hexahydrate	13450-84-5	40	75	75	75	mg/m^3		No pchem data found.
1402	Gadolinium hydroxide	16469-18-4	0.75	0.75	2.5	75	mg/m^3		**SAR**
1403	Gadolinium nitrate, solid	10168-81-7	15	50	350	500	mg/m^3		
1404	Gadolinium nitrite	z-0022	0.04	0.125	0.75	75	mg/m^3		**SAR**
1405	Gadolinium(III) oxide	12064-62-9	10	35	200	500	mg/m^3	**T-0, P-1, P-2**	Rat LD50 > 5000 mg/kg
1406	Gallic acid monohydrate	5995-86-8	15	50	350	500	mg/m^3		Not found in databases MSDS LD50
1407	Gallium	7440-55-3	10	30	50	250	mg/m^3		
1408	Gallium oxide	12024-21-4	1.5	5	40	500	mg/m^3		
1409	Gallium trichloride	13450-90-3	6	20	32	100	mg/m^3		
1410	Gallium trifluoride	7783-51-9	5.56	16.7	27.8	500	mg/m^3	**P-3**	Fluoride exposure limits used
1411	**Gasoline**	**86290-81-5**	200	**200**	**1000**	***4000***	ppm	**T-0, P-1, P-2, P-3**	New **ERPG-1, ERPG-2, ERPG-3** Formerly CASRN 8006-61-9 See LEL formatting note.
1412	Gelatin; (Pharmagel A)	9000-70-8	2.5	7.5	60	300	mg/m^3		
1413	**Germane; (Germanium tetrahydride)**	**7782-65-2**	0.17	0.17	**0.17**	**0.50**	ppm	**T-0, P-1, P-2, P-3**	New interim **AEGL-2, AEGL-3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1414	Germanium	7440-56-4	0.0125	0.035	0.25	500	mg/m^3		
1415	Germanium oxide	1310-53-8	0.75	2	15	500	mg/m^3		
1416	Germanium tetrafluoride	7783-58-6	4.89	12.5	100	489	mg/m^3		Reacts with H2O
1417	Germanous acid	z-0023	2	6	40	200	mg/m^3		Used minimum germanium compound LD50
1418	Giemsa's stain; (Blood stain)	51811-82-6	10	30	50	250	mg/m^3		No toxicity data found.
1419	Gluconic acid, D-	526-95-4	10	30	50	250	mg/m^3		No toxicity data found.
1420	Glucose monohydrate, D(+)-; (Dextrose)	14431-43-7	10	30	50	250	mg/m^3		No toxicity or pchem data found.
1421	Glucose, alpha-D-; (alpha-Dextrose)	492-62-6	0.4	1.25	7.5	500	mg/m^3		Glucose, CASRN = 50-99-7, toxicity data used.
1422	Glucose, D-; (Dextrose, anhydrous)	50-99-7	0.4	1.25	7.5	500	mg/m^3		Woman TDlo ex SAX, 20-fold lower value in RTECS ignored.
1423	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	2	6	40	200	mg/m^3		
1424	**Gluteraldehyde**	**111-30-8**	0.05	**0.2**	**1**	**5**	ppm		**ERPG-1, -2, -3**
1425	Glycerine (mist); (Glycerol; Glycerin)	56-81-5	15	125	500	500	mg/m^3		
1426	Glycerine carbonate; (4-Hydroxymethyl-1,3-dioxolan-2-one)	931-40-8	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found.
1427	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	0.75	2.5	15	75	mg/m^3		
1428	Glycidaldehyde	765-34-4	0.025	0.075	0.5	40	ppm	P-3	
1429	Glycidol; (Oxiranemethanol)	556-52-5	2	4	30	150	ppm		Outdated PEL-TWA not used.
1430	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimethoxysilane)	2530-83-8	150	400	500	500	mg/m^3		

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1431	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	0.125	0.4	2.5	12.5	ppm		Human skin contact LClo not used.
1432	Glycine; (Aminoacetic acid)	56-40-6	25	75	500	500	mg/m^3		
1433	Glycol carbonate; (Ethylene carbonate)	96-49-1	40	125	500	500	mg/m^3		
1434	Glycolic acid; (Hydroxyacetic acid)	79-14-1	75	250	500	500	mg/m^3		Rat LC50 = 7.1 ug/m3 suppressed, incompatible with other data, T-2 >T-3.
1435	Glycols, polyethylene, dimethyl ether	24991-55-7	75	200	500	500	mg/m^3		No pchem data found, SG = 1 assumed.
1436	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3	0.025	0.075	0.6	60	mg/m^3		
1437	Glycoluril; (Acetyleneurea)	496-46-8	10	30	50	250	mg/m^3		No toxicity data found.
1438	Glyoxal	107-22-2	0.1	35	75	75	mg/m^3		
1439	Goethite; (Iron hydroxide oxide)	1310-14-1	5	7.5	12.5	250	mg/m^3		**SAR**
1440	Gold	7440-57-5	7.5	25	100	100	mg/m^3		
1441	Graphite; (Mineral carbon)	7782-42-5	2	6	10	500	mg/m^3		TLV-R for all forms of graphite except graphite fibers
1442	Grease; (Animal grease, inedible)	68153-81-1	10	30	50	250	mg/m^3		No toxicity data found.
1443	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	0.125	0.35	2.5	40	mg/m^3		
1444	Guanidinehydrochloride	50-01-1	2	6	40	200	mg/m^3		SAX MW wrong
1445	Hafnium	7440-58-6	0.5	1.5	2.5	50	mg/m^3		
1446	Hafnium oxide	12055-23-1	0.59	1.77	3	59	mg/m^3		
1447	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	12.5	40	250	5,000	ppm		
1448	Hansa yellow	13515-40-7	10	30	50	250	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1449	Helium	7440-59-7	65,000	65,000	2.30E+05	4.00E+05	ppm		Simple asphyxiant.
1450	Hematoxylin	517-28-2	0.075	0.25	2	10	mg/m^3		
1451	Heptachlor	76-44-8	0.05	0.15	1	35	mg/m^3	P-2	PEL-TWA suppressed
1452	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	0.05	0.15	6	6	mg/m^3		
1453	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4	0.06	0.15	1.25	6	mg/m^3		
1454	Heptachlorodibenzofuran, 1,2,3,4,7,8,9-; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7	0.075	0.25	1.5	7.5	mg/m^3		
1455	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9	0.15	0.5	2.5	2.5	mg/m^3		
1456	Heptadecane	629-78-7	15	50	350	***1,500***	ppm		See LEL formatting note.
1457	Heptafluorobutyric acid	375-22-4	0.6	2	12.5	60	mg/m^3		
1458	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	3.42	10.3	17.1	342	mg/m^3		Used fluoride exposure limits
1459	Heptane	142-82-5	400	440	440	750	ppm		Supressed PEL-TWA > REL-C
1460	Heptanoic acid	111-14-8	5	15	100	600	ppm		
1461	Heptanol, 1-; (Heptyl alcohol)	111-70-6	50	150	500	500	mg/m^3	T-0, P-1	
1462	Heptene, 1-	592-76-7	1,500	5,000	40,000	2.00E+05	ppm		
1463	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	0.0212	7.5	60	63.5	mg/m^3	T-0, P-1, P-2	Used chromium(VI) limits, supressed rat TCLo
1464	Hexachloroacetone	116-16-5	0.4	1.25	7.5	200	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1465	Hexachlorobenzene	118-74-1	0.002	0.006	1.5	200	mg/m^3		
1466	**Hexachlorobutadiene**	**87-68-3**	0.02	**1**	**3**	**10**	ppm		**ERPG-1, -2, -3**
1467	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	0.5	1.5	15	500	mg/m^3	**P-2**	Toxicity data updated.
1468	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	0.5	1.5	2.5	500	mg/m^3		
1469	Hexachlorocylopentadiene	77-47-4	0.01	0.025	0.15	0.15	ppm	**P-1, P-2, P-3**	
1470	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	4.00E-04	0.00125	0.0075	0.4	mg/m^3		
1471	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	2.00E-04	6.00E-04	0.004	0.02	mg/m^3	**T-0, P-1, P-2, P-3**	
1472	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	2.00E-04	6.00E-04	0.004	0.02	mg/m^3	**T-0, P-1, P-2, P-3**	
1473	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	0.04	0.125	0.75	4	mg/m^3		
1474	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	5.00E-04	0.0015	0.01	0.05	mg/m^3		
1475	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	6.00E-05	1.50E-04	0.00125	0.1	mg/m^3	**T-0, P-1, P-2, P-3**	SAX name differs from other sources, "4" changed to "6"
1476	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3	0.005	0.015	0.1	0.5	mg/m^3		
1477	Hexachloroethane	67-72-1	1	30	200	300	ppm	**P-1, P-2**	
1478	Hexachloronaphthalene	1335-87-1	0.2	2	2	2	mg/m^3	**P-1, P-2**	
1479	Hexachlorophene	70-30-4	15	50	150	150	mg/m^3	**T-0, P-1, P-2, P-3**	
1480	Hexachloropropene	1888-71-7	0.15	0.4	3	15	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1481	Hexadecanamine, 1-	143-27-1	0.125	0.35	2.5	75	mg/m^3		
1482	Hexadecane	544-76-3	3	7.5	60	500	mg/m^3		
1483	Hexadecanoic acid; (Palmitic acid)	57-10-3	25	50	50	50	mg/m^3		
1484	Hexadecanol, 1-	36653-82-4	2.5	7.5	60	300	mg/m^3		
1485	Hexadecene, 1-	629-73-2	0.4	1.25	10	50	ppm		LD>10 g/kg, and LC>8500 mg/m3.
1486	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	0.075	0.25	2	10	mg/m^3		
1487	Hexadecyltrimethylammonium chloride	112-02-7	2.5	7.5	50	250	mg/m^3		Mouse iv LD50 ex HSDB.
1488	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	7.5	25	150	750	ppm		
1489	**Hexafluoroacetone**	**684-16-2**	0.1	0.1	**0.20**	**80**	ppm		**Interim AEGL-2, -3** **ERPG-2, -3**
1490	Hexafluorobenzene	392-56-3	150	500	1,500	1,500	ppm		
1491	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	0.3	1	6	35	ppm		
1492	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	40,000	40,000	40,000	40,000	ppm		LC > 20 pph
1493	**Hexafluoropropylene; (Hexafluoropropene)**	**116-15-4**	0.1	**40**	**91**	**480**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
1494	Hexafluoropropylene-vinylidene fluoride polymer; (Viton)	9011-17-0	10	30	50	250	mg/m^3		TSCA listed, no toxicity data, polymer. MSDS not useful
1495	Hexamethylcyclotrisiloxane	541-05-9	10	30	200	500	mg/m^3		Based on other silanes
1496	Hexamethyldisilazane	999-97-3	12.5	40	250	350	mg/m^3		
1497	Hexamethyldisiloxane	107-46-0	40	125	300	300	ppm		
1498	Hexamethylene diisocyanate polymer	28182-81-2	0.05	0.15	1	500	mg/m^3	**T-0, P-1, P-2**	

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1499	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	0.005	0.3	2	2	ppm	P-1, P-2, P-3	
1500	Hexamethyleneimine	111-49-9	15	40	300	500	mg/m^3		
1501	Hexamethylenetetraamine hydrochloride	58713-21-6	10	30	50	250	mg/m^3		
1502	Hexamethylenetetraamine; (Methenamine)	100-97-0	7.5	25	150	500	mg/m^3	T-0, P-1, P-2	
1503	Hexamethylphosphoramide	680-31-9	0.015	0.05	0.35	40	ppm	T-0, P-1, P-2, P-3	
1504	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	5	15	100	500	ppm		No toxicity data found.
1505	Hexanal	66-25-1	12.5	35	200	200	ppm		
1506	**Hexane**	**110-54-3**	50	400	***3300***	***8600***	ppm		**Interim AEGL-2, -3** See LEL formatting note.
1507	Hexanediol diacrylate, 1,6-	13048-33-4	1	3.5	25	500	mg/m^3		
1508	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	50	150	500	500	mg/m^3		
1509	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	500	500	500	500	mg/m^3		
1510	Hexanenitrile	628-73-9	0.5	1.5	10	50	ppm		
1511	Hexanethiol, 1-; (N-Hexylmercaptan)	111-31-9	0.025	0.075	0.5	100	ppm		
1512	Hexanitrostilbene	20062-22-0	0.25	0.75	6	30	mg/m^3		TSCA listed, no pchem or toxicity data found. Used 4-Nitrostilbene, 4003-94-5, as surrogate.
1513	Hexanoic acid	142-62-1	5	15	100	500	mg/m^3		
1514	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	5	15	100	500	mg/m^3		
1515	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	0.75	2	15	75	ppm		
1516	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	5	10	***1,500***	***1,600***	ppm		See LEL formatting note.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1517	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	4	12.5	75	400	ppm		
1518	Hexanoyl chloride	142-61-0	1.5	5	35	150	mg/m^3		TSCA listed, no toxicity data found. MSDS states "corrosive lacrynator, HHR = 3 estimated.
1519	Hexaphenylcyclotrisiloxane	512-63-0	7.5	25	150	500	mg/m^3		TSCA listed, no toxicity data. MSDS HHR = 2.
1520	**Hexene, 1-**	**592-41-6**	50	75	**500**	***5000***	ppm		**New ERPG-2, -3** See LEL formatting note.
1521	Hexylene glycol	107-41-5	10	10	25	350	ppm		
1522	**Hexyltrichlorosilane**	**928-65-4**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**
1523	Holmium	7440-60-0	7.5	25	150	500	mg/m^3		
1524	Holmium trioxide	12055-62-8	10	30	50	250	mg/m^3		No toxicity data found.
1525	Humic acid, sodium salt	68131-04-4	2	6	40	200	mg/m^3		No pchem data found.
1526	**Hydrazine**	**302-01-2**	0.01	**0.10**	**13**	**35**	ppm		**Interim AEGL-1, -2, -3**
1527	Hydrazine hydrate, aqueous solutions	10217-52-4	0.035	0.1	0.75	7.5	mg/m^3		
1528	Hydrazine hydrate; (Hydrazine monohydrate)	7803-57-8	4.00E-04	1.00E-03	0.0075	50	mg/m^3		
1529	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	0.5	1.5	10	50	mg/m^3		
1530	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	1	3	5	50	mg/m^3		
1531	Hydrazine sulfate	10034-93-2	0.6	2	15	250	mg/m^3		.
1532	Hydrazine, dihydrochloride	5341-61-7	3.5	10	75	400	mg/m^3		
1533	**Hydriodic acid; (Hydrogen iodide)**	**10034-85-2**	0.35	**1.0**	**22**	**120**	ppm		**Interim AEGL-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1534	**Hydrobromic acid; (Hydrogen bromide)**	**10035-10-6**	1	**1.0**	**22**	**120**	ppm		**Interim AEGL-1, -2, -3**
1535	Hydrogen	1333-74-0	***65,000***	***65,000***	***2.30E+05***	***4.00E+05***	ppm		Simple asphyxiant See LEL formatting note
1536	**Hydrogen chloride; (Hydrochloric acid)**	**7647-01-0**	0.5	**1.8**	**22**	**100**	ppm		**Final AEGL-1, -2, -3**
1537	**Hydrogen cyanide; (Hydrocyanic acid)**	**74-90-8**	1.9	**2.0**	**7.1**	**15**	ppm		**Final AEGL-1, -2, -3**
1538	**Hydrogen fluoride; (Hydrofluoric acid)**	**7664-39-3**	0.527	**1.0**	**24**	**44**	ppm	T-0	**Final AEGL-1, -2, -3**
1539	**Hydrogen peroxide**	**7722-84-1**	1	**10**	**50**	**100**	ppm		**ERPG-1, -2, -3**
1540	Hydrogen peroxide - 30%	7722-84-1a	3.33	33.3	167	333	ppm		Pchem data ex ChemFinder.
1541	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	12.5	40	250	500	mg/m^3		Rat LD50 > 3200 mg/kg.
1542	**Hydrogen selenide**	**7783-07-5**	0.05	0.1	**0.73**	**2.2**	ppm		**Interim AEGL-2, -3**
1543	**Hydrogen sulfide**	**7783-06-4**	0.51	**0.51**	**27**	**50**	ppm		**Interim AEGL-1, -2, -3**
1544	Hydrogenated terphenyl	61788-32-7	0.5	1.5	2.5	600	ppm		
1545	Hydroquinone	123-31-9	2	3	20	50	mg/m^3		
1546	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7	60	150	500	500	mg/m^3		
1547	Hydrotreated middle distillate (Petroleum base oil)	64742-46-7	3	7.5	60	300	mg/m^3		
1548	Hydroxy-2-methylpropanoic acid, 2-; (2-Methyllactic acid)	594-61-6	10	30	50	250	mg/m^3		No toxicity data found.
1549	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	15	50	350	500	mg/m^3		No pchem data found.
1550	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	50	50	50	***1,800***	ppm		See LEL formatting note.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1551	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	12.5	35	60	500	mg/m^3		SAR
1552	Hydroxybenezenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	25	75	500	500	mg/m^3		
1553	Hydroxybenzoic acid, 4-; (p-Salicylic acid)	99-96-7	5	15	400	500	mg/m^3	T-0, P-1	
1554	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	40	125	500	500	mg/m^3		ChemFinder pchem data.
1555	Hydroxyethyl acrylate, 2-; (Acrylic acid, 2-hydroxyethyl ester)	818-61-1	0.35	1	6	50	ppm		
1556	Hydroxyethyl methacrylate, 2-	868-77-9	0.1	0.3	2	500	mg/m^3		
1557	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	1.25	4	25	125	mg/m^3		Quail LD50 > 316 mg/kg
1558	Hydroxyethylenediaminetriacetic acid, N-	150-39-0	1.25	4	30	150	mg/m^3		
1559	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidine bisphosphonic acid, 1-)	2809-21-4	0.15	0.5	3.5	500	mg/m^3		
1560	Hydroxylamine	7803-49-8	0.25	0.75	5	25	mg/m^3		
1561	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	10	35	60	60	mg/m^3		
1562	Hydroxylamine nitrate	13465-08-2	7.62	15.2	39.6	150	mg/m^3		Molecular weight-adjusted nitric acid limits
1563	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	4	10	75	400	mg/m^3		
1564	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	15	50	350	500	mg/m^3		
1565	Hydroxy-N-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found. MSDS data.

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1566	Hydroxyphenyl)benzothiazole, 2-(2-	3411-95-8	35	100	500	500	mg/m^3		Mouse LDlo > 4 g/kg
1567	Hydroxyphenylacetic acid, alpha-	90-64-2	15	50	350	500	mg/m^3		
1568	Hydroxypropyl cellulose	9004-64-2	40	125	500	500	mg/m^3		MF, MW ex ChemFinder.
1569	Hydroxyquinoline sulfate, 8-	134-31-6	5	15	100	500	mg/m^3		
1570	Hypophosphorous acid-d3; (Hydrophosphorus acid-d3 solution, 50 wt.% in D2O)	57583-56-9	10	30	50	250	mg/m^3		Not found in databases. MW, MF, SG from MSDS, no HHR
1571	Hypophosphorus acid; (Phosphonic acid)	6303-21-5	10	30	50	250	mg/m^3		
1572	Imidazole	288-32-4	4	12.5	75	100	mg/m^3		
1573	Imidazole hydrochloride	1467-16-9	7.5	25	150	500	mg/m^3		MSDS HHR = 2
1574	Iminodiacetic acid	142-73-4	1	3	20	100	mg/m^3		
1575	Iminodiacetic acid, disodium salt hydrate	17593-73-6	35	100	500	500	mg/m^3		Not found in databases. ChemFinder irritation and pchem data.
1576	Indan	496-11-7	40	125	500	500	mg/m^3		
1577	Indene	95-13-6	5	5	5	300	ppm		
1578	Indeno(1,2,3-cd)pyrene	193-39-5	0.15	0.5	3.5	15	mg/m^3		
1579	Indigo carmine; (FD&C blue No 2)	860-22-0	20	60	75	75	mg/m^3		
1580	Indium	7440-74-6	0.1	0.1	0.6	3.5	mg/m^3		
1581	Indium oxide (vapor)	1312-43-2b	0.107	0.321	100	500	mg/m^3		
1582	Indium sulfate	13464-82-9	0.225	0.676	1.13	4	mg/m^3		
1583	Indium trichloride	10025-82-8	0.193	0.578	1	1	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1584	Indium(III) oxide	1312-43-2a	0.121	0.363	0.605	500	mg/m^3		
1585	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	0.75	2.5	15	75	ppm		
1586	Iodic acid	7782-68-5	0.1	1	1	14.4	mg/m^3	T-0, P-1, P-2, P-3	Iodine exposure limits
1587	**Iodine**	**7553-56-2**	0.01	**0.1**	**0.5**	**5**	ppm		**ERPG-1, -2, -3**
1588	Iodine 125	17144-19-3	0.01	0.1	0.5	5	ppm		Used Iodine (7753-56-2) PAC values
1589	Iodobenzene	591-50-4	0.0834	200	500	500	mg/m^3	T-0, P-1, P-2, P-3	Iodides exposure limits
1590	Iodoethane; (Ethyl iodide)	75-03-6	0.01	10	75	400	ppm	T-0, P-1, P-2, P-3	
1591	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	0.01	125	750	4,000	ppm	T-0, P-1, P-2, P-3	BP and SG ex ChemFinder.
1592	Iodopentane, 1-	628-17-1	0.081	10	75	400	mg/m^3	T-0, P-1, P-2, P-3	
1593	Iotalamic acid	2276-90-6	0.251	0.251	1.25	500	mg/m^3	T-0, P-1, P-2, P-3	
1594	Iridium	7439-88-5	6	20	125	500	mg/m^3		HSDB has three entries, data are conflicting, rat oral LD50 = 4.67 mg/kg or 1560 mg/kg.
1595	Iron	7439-89-6	2	6	40	75	mg/m^3	T-0, P-1, P-2, P-3	
1596	Iron carbide	12011-67-5	10.7	75	500	500	mg/m^3	P-1, P-2	Treated as insoluble Fe fume.
1597	Iron hydroxide oxide	20344-49-4	15.9	23.9	40	500	mg/m^3		Treated as insoluble Fe fume.
1598	Iron oxide; (Ferric oxide)	1309-37-1	10	15	400	500	mg/m^3	P-2	
1599	**Iron pentacarbonyl**	**13463-40-6**	0.06	0.06	**0.060**	**0.18**	ppm		**Final AEGL-2, -3**
1600	Iron(II) chloride tetrahydrate	13478-10-9	3.56	3.56	7.5	40	mg/m^3		
1601	Iron(II) oxide; (Ferrous oxide)	1345-25-1	1.5	4.5	7.5	500	mg/m3	**New addition**	MAK as fine dust, insoluble

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1602	Iron(II) perchlorate hexahydrate	13520-69-9	6.33	19	31.6	150	mg/m^3		Not found in databases, assumed MF, calculated MW.
1603	Iron(II,III) oxide; (Ferrosoferric oxide; Iron(III) oxide)	1317-61-9	13.8	20.7	35	500	mg/m^3		No toxicity data found.
1604	Iron(III) perchlorate	13537-24-1	6.34	19	31.7	150	mg/m^3		TSCA listed, no toxicity or pchem data found. Assumed soluble.
1605	Iron(III) sulfate heptahydrate	35139-28-7	4.98	14.9	25	500	mg/m^3		Iron(II) found under CASRN = 7782-63-0, used its toxicity data.
1606	Isoamyl acetate; (Isopentyl acetate)	123-92-2	100	100	200	***1,000***	ppm		See LEL formatting note.
1607	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	100	125	125	500	ppm		
1608	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	100	125	125	500	ppm		Used limits for isoamyl alcohol, 123-51-3
1609	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	3	7.5	60	300	ppm		
1610	Isobenzan	297-78-9	0.5	1.5	2	2	mg/m^3		
1611	Isobutanol-2-amine	124-68-5	0.03	0.075	0.6	500	mg/m^3		
1612	Isobutyl acetate	110-19-0	150	150	250	***1,300***	ppm		See LEL formatting note.
1613	Isobutyl alcohol	78-83-1	100	100	100	***1,600***	ppm	P-1, P-2	See LEL formatting note.
1614	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	0.4	1.25	7.5	40	ppm		No toxicity data found.
1615	**Isobutyl chloroformate**	**543-27-1**	0.2	0.6	**2.2**	**6.7**	ppm		**Interim AEGL-2, -3** Synonym deleted
1616	Isobutyl isobutyrate	97-85-8	150	500	500	500	mg/m^3		
1617	Isobutylamine	78-81-9	2	2	10	35	ppm	P-2	Used MAK-C 10 ppm
1618	Isobutyraldehyde	78-84-2	25	300	1,500	1,500	ppm		
1619	Isobutyric acid	79-31-2	0.3	1	6	35	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1620	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	0.1	0.3	2	10	ppm		No toxicity data found. Rat LC50 based on HHR = 3.
1621	**Isobutyronitrile**	**78-82-0**	8	**10**	**18**	**68**	ppm		**Interim AEGL-2, -3** **ERPG-1, -2, -3**
1622	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	5	15	25	25	mg/m^3		Conc. Dependence "Y" suppressed Used Cyanides 57-12-5 exposue limits
1623	**Isocyanatoethyl methacrylate, 2-**	**30674-80-7**	0.005	0.015	**0.1**	**1**	ppm	**T-0, P-1**	**ERPG-2, -3**
1624	Isocyanic acid	75-13-8	0.04	0.1	0.75	4	ppm		Not found in databases. Lewis' Toxicology states "irritant to skin and eyes … will blister skin on contact".
1625	Isocyanic acid, 3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	2.5	7.5	14	500	mg/m^3		SAX and RTECS tox data conflict
1626	Isodrin	465-73-6	1.25	4	7	7	mg/m^3		
1627	Isonate 181 MDI prepolymer	z-0113	0.2	0.75	6	75	mg/m^3		Used 25% 26447-40-5, 25% 101-68-8, 25% 68092-58-0/, 25% z-0112).
1628	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	300	300	300	***1,000***	ppm	**P-1, P-2**	PEL-TWA & REL-TWA/-C suppressed Used octane exposure limits. See LEL formatting note
1629	Isopentane; (Ethyldimethylmethane; 2-Methylbutane)	78-78-4	600	600	610	***20,000***	ppm		See LEL formatting note.
1630	Isophorone	78-59-1	4	4	5	200	ppm		PEL-TWA suppressed
1631	Isophorone diisocyanate	4098-71-9	0.005	0.02	0.135	1.5	ppm		
1632	Isophthalic acid; (Phthalic acid, m isomer)	121-91-5	10	30	50	500	mg/m^3		
1633	**Isoprene**	**78-79-5**	2	**5**	***1000***	***4000***	ppm		**ERPG-1, -2, -3** See LEL formatting note

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1634	Isopropyl acetate	108-21-4	100	200	200	***1,800***	ppm		See LEL formatting note. Supressed PEL-TWA > TLV-STEL
1635	Isopropyl alcohol	67-63-0	400	400	400	***2,000***	ppm		See LEL formatting note.
1636	Isopropyl chloride; (2-Chloropropane)	75-29-6	50	150	***15,000***	***15,000***	ppm		See LEL formatting note.
1637	**Isopropyl chloroformate; (Isopropyl chlorocarbonate)**	**108-23-6**	0.15	0.4	**3.3**	**10**	ppm		**Interim AEGL-2, -3** **ERPG-2, -3**
1638	Isopropyl ether; (Diisopropyl ether)	108-20-3	250	310	310	***1,400***	ppm		See LEL formatting note. Supressed PEL-TWA > TLV-STEL
1639	**Isopropyl methanefluoro-phosphonate; (Sarin; GB)**	**107-44-8**	1.50E-04	**0.00048**	**0.0060**	**0.022**	ppm		**Final AEGL-1, -2, -3**
1640	Isopropyl nitrate	1712-64-7	10	15	150	750	ppm	**T-0, P-1**	Used Swedish exposure limits
1641	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	30	75	500	500	mg/m^3		
1642	Isopropylamine; (2-Propanamine)	75-31-0	5	10	150	750	ppm		
1643	Isopropylmagnesium chloride; (Chloro(1-methylethyl)magnesium)	1068-55-9	1	3	20	100	mg/m^3		No toxicity data found. Rat LD50 estimated from other Mg compounds
1644	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	1	3.5	5.6	5.6	mg/m^3		
1645	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	75	250	500	500	mg/m^3		
1646	Jeffamine M-600	77110-54-4	10	30	50	250	mg/m^3		Not found in databases, no MSDS, assumed nonvolatile.
1647	**Jet fuels, (JP-5 and JP-8)**	**70892-10-3**	200	**290**	**1100**	1,100	mg/m^3		**Interim AEGL-1, -2** (also CASRN = 8008-20-6)

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1648	Kaolin; (Aluminum silicate hydroxide; Fuller's earth [8031-18-3])	1332-58-7	5	6	125	500	mg/m^3		Fuller's earth, CASRN 8031-18-3, combined with this chemical
1649	Kepone; (Chlordecone)	143-50-0	1.00E-03	5	35	40	mg/m^3	P-1, P-2	
1650	**Kerosene; (Fuel Oil No 1)**	**8008-20-6**	200	**290**	**1100**	1,100	mg/m^3		**Interim AEGL-1, -2**
1651	**Ketene; (Carbomethene, Ethenone)**	**463-51-4**	0.19	**0.19**	**0.66**	**2.0**	ppm		**Interim AEGL-1, -2, -3**
1652	Krypton	7439-90-9	65,000	65,000	2.30E+05	4.00E+05	ppm		Simple asphyxiant.
1653	Lactic acid	50-21-5	5	15	100	500	mg/m^3		
1654	Lactic acid, sodium salt, DL-; (Propanoic acid, 2-hydroxy-, monosodium salt)	312-85-6	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found.
1655	Lactonitrile	78-97-7	3.5	10	18	150	mg/m^3		
1656	Lactose, beta-D-; (beta-D-Glucopyranose, 4-O-beta-D-galactopyranosyl-)	5965-66-2	10	30	50	250	mg/m^3		No toxicity data found.
1657	Lanthanum	7439-91-0	10	30	50	250	mg/m^3		
1658	Lanthanum alizarin	z-0026	10	30	50	250	mg/m^3		
1659	Lanthanum boride	12008-21-8	10	30	50	250	mg/m^3		
1660	Lanthanum carbonate	6487-39-4	10	30	50	250	mg/m^3		
1661	Lanthanum chloride	10099-58-8	6	20	150	500	mg/m^3		
1662	Lanthanum fluoride	13709-38-1	8.59	25.8	43	500	mg/m^3		
1663	Lanthanum hydroxide	14507-19-8	0.2	0.75	2	2.5	mg/m^3		SAR

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1664	Lanthanum nitrate	10099-59-9	0.75	2.5	15	500	mg/m^3		
1665	Lanthanum oxide	1312-81-8	10	30	200	500	mg/m^3		
1666	Lanthanum phosphate	14913-14-5	0.3	0.75	3	3	mg/m^3		**SAR**
1667	Lanthanum(III) nitrate hexahydrate	10277-43-7	1.5	5	35	150	mg/m^3		
1668	Laromin C 260; (bis(4-Amino-3-methylcyclohexyl) methane; Dimethyldicyane)	6864-37-5	1.5	5	35	150	mg/m^3		pchem data from Sigma-Aldrich
1669	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	5	15	100	500	mg/m^3		
1670	Lead	7439-92-1	0.05	0.15	0.25	100	mg/m^3		
1671	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	40	125	500	500	mg/m^3		
1672	Lead acetate, basic; (Lead subacetate)	1335-32-6	35	100	500	500	mg/m^3		
1673	Lead acetate; (Lead diacetate)	301-04-2	4	10	75	500	mg/m^3		
1674	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	0.0463	23.2	23.2	23.2	mg/m^3	**P-1**	REL-C suppressed
1675	Lead arsenate; (Trilead diarsenate)	3687-31-8	0.06	3	20	30	mg/m^3	**P-1**	REL-C suppressed
1676	Lead bromide	10031-22-8	0.0886	0.266	0.443	177	mg/m^3		
1677	Lead carbonate	598-63-0	0.0645	0.193	4	129	mg/m^3		
1678	Lead chloride	7758-95-4	0.0671	0.201	7.5	134	mg/m^3		
1679	Lead chromate	7758-97-6	0.0311	0.186	93.2	93.2	mg/m^3	**P-1, P-2**	
1680	Lead dioxide	1309-60-0	0.0577	0.173	0.3	115	mg/m^3	**P-1, P-2**	
1681	Lead fluoborate	13814-96-5	0.0919	0.276	0.459	184	mg/m^3		Only stable in aequeous solution.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1682	Lead fluoride	7783-46-2	0.0592	0.178	15	118	mg/m^3		
1683	Lead hydroxide	19783-14-3	0.0582	0.175	0.3	116	mg/m^3		
1684	Lead iodide	10101-63-0	0.111	0.334	0.556	222	mg/m^3		
1685	Lead nitrate	10099-74-8	0.0799	0.24	7.5	160	mg/m^3	P-1, P-2	
1686	Lead nitrite	13826-65-8	0.0722	0.217	0.361	144	mg/m^3		
1687	Lead oxalate	814-93-7	0.0712	0.214	0.356	142	mg/m^3		
1688	Lead oxide; (Lead monoxide)	1317-36-8	0.0539	0.162	0.269	108	mg/m^3	P-1, P-2	
1689	Lead phosphate	7446-27-7	0.0653	0.196	30	131	mg/m^3		
1690	Lead sulfate; (Sulfuric acid, lead(2+) salt (1:1))	7446-14-2	0.0732	4	30	146	mg/m^3		OHMTADS, TSCA, ChemFinder list CASRN = 15739-80-7, deleted as a separate entry.
1691	Lead sulfide	1314-87-0	0.0577	0.173	115	115	mg/m^3		
1692	Lead tetroxide	1314-41-6	0.0551	0.165	0.276	110	mg/m^3		
1693	Lead(II) arsenite	10031-13-7	0.0281	0.0843	0.14	14	mg/m^3		As arsenic exposure limits REL-C suppressed
1694	Lead(II) perchlorate	13453-62-8	0.098	0.294	0.5	196	mg/m^3	T-0, P-1, P-2, P-3	Not found in databases. ChemFinder pchem data.
1695	Leco set 7007 powder	z-0027	10	30	50	250	mg/m^3		Mixture: 80-62-6 (94-96%), 2082-81-7 (3%), 5995-42-6 ()>8%), 99-97-8 (0.7%)
1696	Leptophos; (Fosvel)	21609-90-5	6	15	30	30	mg/m^3		
1697	**Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)**	**40334-69-8**	0.12	0.12	**0.12**	**0.74**	mg/m^3		**Interim AEGL-2,-3**

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1698	**Lewisite 3; (Tris(2-chlorovinyl)arsine)**	**40334-70-1**	0.12	0.12	**0.12**	**0.74**	mg/m^3		**Interim AEGL-2,-3**
1699	Lignosulfonate (aqueous)	8062-15-5	50	150	500	500	mg/m^3		
1700	Limestone; (Calcium carbonate; Dolomite)	1317-65-3	15	15	75	500	mg/m^3	P-2, P-3	Data from CASRN = 471-34-1 (synthetic limestone) also used.
1701	Limonene, d-	5989-27-5	20	60	100	350	ppm		WEEL CASRN = 138-86-3. HSDB: (L)-Limonene for CASRN = 5989-54-8. H&N has both.
1702	Lindane; (gamma-Benzenehexachloride)	58-89-9	0.5	1.5	50	50	mg/m^3		
1703	Linseed oil	8001-26-1	125	350	500	500	mg/m^3	T-0, P-1, P-2, P-3	
1704	Liquified petroleum gas; (L.P.G.)	68476-85-7	1,000	***2,000***	***2,000***	***2,000***	ppm		See LEL formatting note.
1705	Lithium	7439-93-2	4	12.5	75	400	mg/m^3		
1706	Lithium acetate dihydrate	6108-17-4	12.5	35	250	500	mg/m^3		Used Li acetate, CASRN = 546-89-4, mouse LDlo
1707	Lithium aluminate	12003-67-7	12.2	36.6	61.1	300	mg/m^3		TSCA listed, no toxicity data Used as Al, REL-TWA
1708	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	12.2	36.6	61.1	300	mg/m^3	T-0, P-1. P-2, P-3	Aluminum pyro powder, As Al
1709	Lithium aluminum silicate; (Petalite)	1302-66-5	1	3	5	25	mg/m^3	T-0, P-1. P-2, P-3	
1710	Lithium azide	19597-69-4	10	30	50	250	mg/m^3		No toxicty data found, changed "Y" to "N".
1711	Lithium borohydride; (Lithium tetrahydroborate)	16949-15-8	2	6	7.5	40	mg/m^3	T-0, P-1. P-2	Supressed unspecified mammalian LC50
1712	Lithium bromide	7550-35-8	1	3	15	500	mg/m^3	P-1	
1713	Lithium carbonate	554-13-2	0.2	0.6	4	200	mg/m^3		
1714	Lithium chloride	7447-41-8	0.5	1.5	10	60	mg/m^3		

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1715	Lithium chromate; (Lithium chromium oxide)	14307-35-8	0.0125	1	7.5	37.5	mg/m^3		Cr VI exposure limits Assumed to be water soluble
1716	Lithium deuteride	13587-16-1	0.025	0.025	0.1	0.5	mg/m^3		Used Li H (7580-67-8) PAC values
1717	Lithium diisopropylamide; (LDA)	4111-54-0	10	30	50	250	mg/m^3		TSCA listed, MF differs from ChemFinder, no toxicity data found.
1718	Lithium fluoride	7789-24-4	3.41	10.2	17.1	341	mg/m^3		
1719	**Lithium hydride**	**7580-67-8**	0.025	**0.025**	**0.100**	**0.500**	mg/m^3		**ERPG-1, -2, -3**
1720	Lithium hydroxide	1310-65-2	0.05	0.15	1	100	mg/m^3		
1721	Lithium hydroxide monohydrate	1310-66-3	0.05	0.15	1	100	mg/m^3		Not found in databases, used LiOH, CASRN 1310-65-2, values.
1722	Lithium iodide	10377-51-2	10	30	50	250	mg/m^3		TSCA, HC&P, H&N listed, no toxicity data found.
1723	Lithium metaborate, anhydrous	13453-69-5	9.2	27.6	46	200	mg/m^3		MW and MF ex HC&P No toxicity data found "as B" retained TLV-STEL & "Y" suppressed
1724	Lithium molybdate	13568-40-6	9.06	9.06	9.06	500	mg/m^3		Molybdenum soluble compound limits
1725	Lithium niobium oxide; (Lithium niobate)	12031-63-9	60	200	500	500	mg/m^3		
1726	Lithium nitrate	7790-69-4	0.5	1.5	10	50	mg/m^3		
1727	Lithium nitride	26134-62-3	10	30	50	250	mg/m^3		Reacts with water. No toxicty data found, changed "Y" to "N".
1728	Lithium nitrite	13568-33-7	0.025	0.06	0.4	40	mg/m^3		HC&P: LiNO2.H2O MW = 127.96, CASRN = 13568-33-7. TSCA: Li.H.NO2 SAR
1729	Lithium oxide	12057-24-8	0.05	0.15	1	6	mg/m3	**New addition**	
1730	Lithium perchlorate, anhydrous	7791-03-9	5.00E-04	0.0015	0.01	0.06	mg/m^3		IRIS LOEL used, no ther toxicity data found

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1731	Lithium silicon	68848-64-6	4	12.5	75	400	mg/m^3		No MSDS found, no useful toxicity data found. Used revised Lithium limits.
1732	Lithium stearate	4485-12-5	60	150	500	500	mg/m^3		Probable hmn LD = 0.5-5 g/kg
1733	Lithium sulfate	10377-48-7	0.15	0.5	3.5	500	mg/m^3		
1734	Lithium tetraborate	12007-60-2	7.82	23.5	40	200	mg/m^3	T-0, P-1, P-2, P-3	TSCA, H&N, ChemFinder listed, no toxicity data found. MF in ExPub "as B" retained, TLV-STEL and "Y" suppressed
1735	Lithium tetraborate pentahydrate	1303-94-2	12	36	60	300	mg/m^3		MF, MW by analogy with Na tetraborate pentahydrate "as B" retained, TLV-STEL & "Y" suppressed
1736	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	2.81	2.81	7.5	35	mg/m^3		
1737	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6	10	30	50	250	mg/m^3		Not found in databases. MW, MF, SG ex ChemFinder.
1738	Lithium triethylborohydride; (Super-hydride)	22560-16-3	1.5	5	35	150	mg/m^3		Not listed in databases. MSDS gives HHR = 3
1739	Lubricating oil, rerefined	68476-77-7	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data.
1740	Lutetium	7439-94-3	1.5	5	35	150	mg/m^3		TSCA listed, no toxicity data. SRS HHR = 3
1741	Lutetium oxide	12032-20-1	10	30	50	250	mg/m^3		
1742	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	75	200	1,500	7,500	ppm		
1743	Magnesium	7439-95-4	1.25	4	30	150	mg/m^3		Toxicity data added.
1744	Magnesium acetate tetrahydrate	16674-78-5	0.75	2.5	20	100	mg/m^3		Not found in databases, used Mg acetate, CASRN = 142-72-3
1745	**Magnesium aluminum phosphide**	**z-0116**	0.134	0.402	**0.67**	**1.2**	ppm	T-0, P-1	**Final AEGL-2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1746	Magnesium carbonate hydroxide	7760-50-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity data, MF, MW from H&N.
1747	Magnesium carbonate; (Magnesite)	546-93-0	15	45	200	500	mg/m^3		Toxicity data added.
1748	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	15	45	75	350	mg/m^3	T-0, P-1, P-2, P-3	MF, MW from RTECS
1749	Magnesium chloride	7786-30-3	12.5	40	300	500	mg/m^3		
1750	Magnesium chloride hexahydrate	7791-18-6	75	250	500	500	mg/m^3		
1751	Magnesium ethoxide	2414-98-4	15	30	50	500	mg/m^3	T-0, P-1, P-2	TSCA listed, no toxicity or pchem data used inhalable MgO exposure limits
1752	Magnesium fluoride	7783-40-6	4.1	10	75	410	mg/m^3	P-1, P-2	
1753	Magnesium formate	557-39-1	10	30	50	250	mg/m^3		TSCA listed, no data found. Changed "Y" to "N".
1754	Magnesium hydroxide	1309-42-8	75	200	500	500	mg/m^3		
1755	Magnesium iodate tetrahydrate	7790-32-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity data MSDS solid.
1756	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	10	30	50	250	mg/m^3		
1757	Magnesium oxide	1309-48-4	15	30	50	500	mg/m^3	P-2	used inhalable MgO exposure limits
1758	**Magnesium phosphide**	**12057-74-8**	0.2	0.6	**1.0**	**1.8**	ppm		**Final AEGL-2, -3**
1759	Magnesium silicate hydrate	1343-90-4	10	30	50	250	mg/m^3		
1760	Magnesium silicate; (Florisil)	1343-88-0	10	30	50	500	mg/m^3		Human LD > 15 g/kg
1761	Magnesium sulfate (1:1)	7487-88-9	0.5	1.5	10	125	mg/m^3		
1762	Magnesium sulfate heptahydrate	10034-99-8	5	15	100	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1763	Magnesium(II) nitrate (1:2), hexahydrate	13446-18-9	20	60	500	500	mg/m^3		CASRN changed from 10213-15-7.
1764	**Malathion**	**121-75-5**	1	**15**	**120**	**390**	mg/m^3	P-1, P-2, P-3	**New interim AEGL-1, AEGL-2, AEGL-3**
1765	Maleic acid	110-16-7	3	7.5	60	300	mg/m^3		PNOS deleted, not appropriate.
1766	Maleic acid, disodium salt	371-47-1	25	75	500	500	mg/m^3		No pchem data found.
1767	**Maleic anhydride**	**108-31-6**	0.2	**0.2**	**2**	**20**	ppm		**ERPG-1, -2, -3**
1768	Maleic hydrazide; (3,6-Pyridazinedione, 1,2-dihydro-)	123-33-1	0.6	2	12.5	500	mg/m^3		
1769	Malic acid, DL-	617-48-1	6	20	125	500	mg/m^3		HSDB, TSCA listed. Mouse LD50 1600-3200 mg/kg
1770	Malonic acid; (Carboxyacetic acid)	141-82-2	20	60	400	500	mg/m^3		rat ip TDlo, rat ip LD50
1771	Mancozeb; (Dithane M-45)	8018-01-7	1	3	200	500	mg/m^3		
1772	Manganese	7439-96-5	0.2	3	5	500	mg/m^3		
1773	Manganese carbonate	598-62-9	0.418	6.28	10.5	500	mg/m^3		Mn inorganic compounds, as Mn
1774	Manganese dioxide	1313-13-9	0.317	4.75	7.91	500	mg/m^3	P-2	Mn inorganic compounds, as Mn
1775	Manganese hydroxide	18933-05-6	0.324	4.86	8.1	500	mg/m^3		Mn inorganic compounds, as Mn
1776	Manganese nitrite	18488-90-9	0.535	8.02	13.4	500	mg/m^3		Mn inorganic compounds, as Mn
1777	Manganese oxalate	640-67-5	0.52	7.81	13	500	mg/m^3		Mn inorganic compounds, as Mn
1778	Manganese oxide; (Manganese tetroxide)	1317-35-7	0.278	4.17	69.4	500	mg/m^3		Mn inorganic compounds, as Mn
1779	Manganese phosphate	10124-54-6	0.43	6.46	10.8	500	mg/m^3		Mn inorganic compounds, as Mn
1780	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	0.2	0.6	0.6	7.5	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1781	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	0.458	6.87	11.5	500	mg/m^3		Mn inorganic compounds, as Mn
1782	Manganese(II) chloride tetrahydrate	13446-34-9	0.721	10.8	180	500	mg/m^3		Mn inorganic compounds, as Mn
1783	Manganese(II) nitrate hexahydrate	10377-66-9	1.04	15.7	26.1	500	mg/m^3	T-0, P-1, P-2	Mn inorganic compounds, as Mn; Name change per Handbook Chemistry and Physics 08/11/10.
1784	Manganese(II) nitrate hydrate	15710-66-4	0.717	10.8	17.9	500	mg/m^3		Mn inorganic compounds, as Mn
1785	Manganese(II) sulfate monohydrate	10034-96-5	0.615	9.23	15.4	500	mg/m^3		Mn inorganic compounds, as Mn
1786	Manganese(III) oxide	1317-34-6	0.287	4.31	71.8	500	mg/m^3		Mn inorganic compounds, as Mn
1787	Manganese(VII) oxide	12057-92-0	0.404	6.06	10.1	500	mg/m^3		Mn inorganic compounds, as Mn
1788	Manganous oxide; (Manganese(II) oxide)	1344-43-0	0.258	3.87	6.46	500	mg/m^3	P-1	Mn inorganic compounds, as Mn
1789	Manganous sulfate	7785-87-7	0.55	8.25	13.7	500	mg/m^3		Mn inorganic compounds, as Mn
1790	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	0.317	4.75	7.92	500	mg/m^3	P-1	Mn inorganic compounds, as Mn
1791	Mastic (resin)	61789-92-2	4	12.5	100	500	mg/m^3		
1792	Melamine	108-78-1	10	30	50	500	mg/m^3		
1793	Memtetrahydrophthalic anhydride; (Tetrahydrophthalic anhydride)	85-43-8	0.05	0.15	1	500	mg/m^3		
1794	Mephosfolan	950-10-7	1.5	5	9	9	mg/m^3		
1795	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	1	1	1.25	6	ppm		
1796	Mercaptobenzoic acid, o-	147-93-3	0.2	0.6	4	20	mg/m^3		
1797	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4	5	15	40	40	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1798	Mercaptoethanol, 2-	60-24-2	0.2	2	12.5	200	ppm		
1799	Mercaptopropionic acid, 3-	107-96-0	0.25	0.75	6	40	mg/m^3		
1800	Mercuric acetate	1600-27-7	0.0159	0.0477	3.2	3.2	mg/m^3		Mercury, alkyl compound limits
1801	Mercuric cyanide	592-04-1	0.0315	1.5	12.6	12.6	mg/m^3		PAC-2 modified by human oral TDlo.
1802	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	0.0566	0.0566	0.227	22.7	mg/m^3		
1803	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	0.037	0.037	0.148	14.8	mg/m^3		
1804	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	0.0395	0.0395	0.158	15.8	mg/m^3		
1805	Mercuric trifluoroacetate	13257-51-7	0.0213	0.0638	0.0851	4.3	mg/m^3		
1806	Mercurol; (Mercury nucleate)	12002-19-6	0.025	0.025	0.1	10	mg/m^3		
1807	Mercurous chloride; (Mercury monochloride)	7546-30-7	0.0294	0.0294	0.118	11.8	mg/m^3		
1808	Mercurous nitrate monohydrate	7782-86-7	0.0351	0.0351	0.14	14	mg/m^3		
1809	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	0.0327	0.0327	0.131	13.1	mg/m^3		
1810	Mercurous oxide; (Mercury(I) oxide)	15829-53-5	0.026	0.026	0.104	10.4	mg/m^3		
1811	Mercury hydroxide	12135-13-6	0.0292	0.0292	0.117	11.7	mg/m^3		
1812	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	0.0405	0.2	1.62	16.2	mg/m^3	P-1, P-2	
1813	Mercury nitrite; (Mercury(II) nitrite)	18541-72-5	0.0365	0.0365	0.146	14.6	mg/m^3		
1814	**Mercury vapor**	**7439-97-6**	0.025	0.25	**1.7**	**8.9**	mg/m^3	P-1, P-2, P-3	New interim **AEGL-2, AEGL-3**
1815	Mercury(I) chloride; (Dimercury dichloride)	10112-91-1	0.0294	0.15	1.18	11.8	mg/m^3		Synonym name changed. Light sensitive.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1816	Mercury(II) chloride; (Mercury bichloride)	7487-94-7	0.0338	4	13.5	13.5	mg/m^3	P-1	
1817	Mercury(II) nitrate monohydrate	7783-34-8	0.0427	0.0427	0.171	17.1	mg/m^3		
1818	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	0.027	1.5	10.8	10.8	mg/m^3	P-1, P-2	
1819	**Mesitylene; (1,3,5-Trimethylbenzene)**	**108-67-8**	25	**140**	**360**	500	ppm		**Interim AEGL-1, -2**
1820	Metaphosphoric acid	37267-86-0	10	30	50	250	mg/m^3		TSCA, HC&P listed, no toxicity data, pchem data ex ChemFinder.
1821	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	7.5	25	44	44	mg/m^3		Synonym spelling corrected. SAX and RTECS tox data differ
1822	**Methacrylaldehyde**	**78-85-3**	0.06	**0.2**	**2.8**	**4.7**	ppm		**Interim AEGL-1, -2, -3**
1823	Methacrylamide	79-39-0	0.015	0.04	0.3	200	mg/m^3		
1824	**Methacrylic acid**	**79-41-4**	6.7	**6.7**	**61**	**220**	ppm		**Interim AEGL-1, -2, -3**
1825	Methacrylic acid, diester with triethylene glycol; (Polyester TGM3)	109-16-0	1.5	5	35	500	mg/m^3		
1826	Methacrylic anhydride	760-93-0	0.75	2.5	4.5	150	mg/m^3		
1827	**Methacrylonitrile; (Methylacrylonitrile)**	**126-98-7**	1	**1.0**	**13**	**25**	ppm		**Interim AEGL-1, -2, -3**
1828	Methacryloyl chloride	920-46-7	0.025	0.075	0.14	6	ppm		
1829	Methamidophos	10265-92-6	3.5	10	60	60	mg/m^3		
1830	Methane	74-82-8	1,000	3,000	***5,000***	***2.00E+05***	ppm		TLV-TWA for aliphatic hydrocarbon gas See LEL formatting note.
1831	Methane-d3	676-80-2	1,000	3,000	5,000	50,000	ppm		Methane PAC (74-82-8) values

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1832	Methanesulfonic acid	75-75-2	4	12.5	75	400	mg/m^3		
1833	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	0.5	1.5	10	150	mg/m^3		
1834	**Methanesulfonyl chloride**	**124-63-0**	0.1	0.3	**2.1**	**6.2**	ppm		**Interim AEGL-2, -3**
1835	Methanesulfonyl fluoride	558-25-8	0.6	2	3.49	3.49	ppm		Rat LClo suppressed.
1836	Methidathion; (O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolinyl-3-methyl)dithiophosphate)	950-37-8	1	3	20	400	mg/m^3		
1837	Methiocarb; (Mercaptodimethur)	2032-65-7	3	7.5	15	15	mg/m^3		
1838	Methomyl	16752-77-5	2.5	7.5	10	200	mg/m^3		
1839	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	0.075	0.2	1.5	500	mg/m^3		
1840	Methoxybenzyl alcohol, 4-	105-13-5	7.5	25	200	500	mg/m^3		
1841	Methoxychlor	72-43-5	15	30	250	500	mg/m^3		
1842	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	1.5	4	20	20	ppm		Toxicty data corrected.
1843	Methoxyethylamine, 2-	109-85-3	0.5	1.5	10	50	ppm		
1844	Methoxyethylmercuric acetate	151-38-2	0.0159	0.0477	3.18	3.18	mg/m^3		
1845	Methoxyphenol, p-	150-76-5	5	15	100	500	mg/m^3		
1846	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	5	15	15	40	ppm		
1847	Methoxytrimethylsilane	1825-61-2	0.05	0.5	2	5	ppm		**SAR**
1848	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	0.2	4	12.5	12.5	ppm		MF in SAX wrong.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1849	Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone)	872-50-4	10	10	25	25	ppm		
1850	Methyl acetate	79-20-9	200	250	500	***3,100***	ppm		See LEL formatting note.
1851	Methyl acetylene	74-99-7	1,000	***1,700***	***1,700***	***1,700***	ppm		See LEL formatting note.
1852	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	1,000	1,250	1,250	***3,400***	ppm		See LEL formatting note.
1853	Methyl acrylate	96-33-3	2	2	7.5	250	ppm		
1854	**Methyl alcohol; (Methanol)**	**67-56-1**	200	**530**	**2100**	***7200***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note
1855	Methyl alcohol-d	1455-13-6	200	530	2,100	***7,200***	ppm		
1856	Methyl alcohol-d4	811-98-3	200	530	2,100	***7,200***	ppm		
1857	Methyl benzoate; (Benzoic acid, methyl ester)	93-58-3	2	6	40	75	ppm		
1858	**Methyl bromide; (Bromomethane)**	**74-83-9**	1	30	**210**	**740**	ppm		**Interim AEGL-2, -3**
1859	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	2.5	7.5	50	500	mg/m^3		
1860	**Methyl chloride**	**74-87-3**	100	100	**910**	**3000**	ppm		**Interim AEGL-2, -3**
1861	**Methyl chloroformate; (Methyl chlorocarbonate)**	**79-22-1**	0.2	0.3	**2.2**	**6.7**	ppm		**Interim AEGL-2, -3** **ERPG-2, -3**
1862	**Methyl chlorosilane; (Chloromethylsilane)**	**993-00-0**	0.6	**1.8**	**22**	**100**	ppm		**Interim AEGL-1,-2, -3**
1863	**Methyl cyclohexylfluorophosphonate; (GF)**	**329-99-7**	6.00E-05	**0.00020**	**0.0024**	**0.018**	ppm		**Final AEGL-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1864	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	4	12.5	20	20	mg/m^3		
1865	**Methyl dichlorosilane; (Dichloromethylsilane)**	**75-54-7**	0.3	**0.90**	**11**	**50**	ppm	P-3	**Revised Interim AEGL-1, -2, -3**
1866	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	0.75	2.5	20	100	mg/m^3		
1867	Methyl ether; (Dimethyl ether)	115-10-6	1,000	***3,000***	***10,000***	***60,000***	ppm		See LEL formatting note.
1868	Methyl ethyl ketone peroxide	1338-23-4	1	3	20	20	ppm		
1869	Methyl fluoride; (Fluoromethane)	593-53-3	4.48	13.4	22.4	448	mg/m^3		
1870	Methyl fluoroacetate	453-18-9	0.015	0.05	0.35	5	mg/m^3		
1871	Methyl fluorosulfate	421-20-5	0.0025	0.0075	0.05	0.25	ppm		
1872	Methyl formate; (Formic acid, methyl ester)	107-31-3	100	150	750	***4,500***	ppm		See LEL formatting note.
1873	**Methyl iodide**	**74-88-4**	5	**25**	**50**	**125**	ppm		**ERPG-1, -2, -3**
1874	Methyl isobutyl ketone; (Hexone)	108-10-1	20	75	75	500	ppm	T-0	
1875	**Methyl isocyanate**	**624-83-9**	0.02	**0.025**	**0.067**	**0.20**	ppm		**Final AEGL -2, -3** **ERPG-1, -2, -3**
1876	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	200	200	200	600	ppm		
1877	Methyl isothiocyanate; (Isothiocyanatomethane)	556-61-6	1.5	4	33	500	mg/m^3		
1878	Methyl lithium	917-54-4	1	3	20	100	mg/m^3		No toxicity data found. Spontaneous ignition in air: estimated from LiO and LiOH toxicity
1879	**Methyl mercaptan**	**74-93-1**	0.5	6	**47**	**68**	ppm		**Interim AEGL -2, -3** **ERPG-1, -2, -3;** odor-based ERPG-1 ignored.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1880	Methyl mercury	22967-92-6	0.0107	0.0322	0.043	2.15	mg/m^3		
1881	**Methyl methacrylate**	**80-62-6**	17	**17**	**120**	**570**	ppm		**Interim AEGL-1, -2, -3**
1882	Methyl n-amyl ketone	110-43-0	100	100	750	800	ppm	P-2	
1883	Methyl nitrate; (Nitric acid, methyl ester)	598-58-3	5	15	100	500	ppm		
1884	**Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)**	**163702-07-6 163702-08-7**	750	**2500**	**8200**	**15000**	ppm		**Final AEGL-1, -2, -3**
1885	**Methyl parathion**	**298-00-0**	0.02	0.06	**1.2**	**3.5**	mg/m^3	P-2, P-3	**New interim AEGL-2, AEGL-3**
1886	Methyl phencapton	3735-23-7	2	6	11	100	mg/m^3		
1887	Methyl phosphonic dichloride	676-97-1	0.06	0.2	1.4	15	mg/m^3		
1888	Methyl phosphonothioic dichloride	676-98-2	1.5	4	30	150	mg/m^3		LC50 estimated from similar compounds
1889	Methyl pyridine, 3-; (3-Picoline)	108-99-6	2	5	125	600	ppm		
1890	Methyl salicylate	119-36-8	0.1	0.3	2	12.5	ppm	T-0, P-1, P-2	
1891	Methyl sulfoxide-d6; (Dimethyl-d6-sulfoxide)	2206-27-1	250	250	250	2,000	ppm		H&N listed, no toxicity data, but use dimethylsulfoxide, CASRN=67-68-5
1892	**Methyl tert-butyl ether; (MTBE)**	**1634-04-4**	50	**50**	**570**	***5300***	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3** See LEL formatting note.
1893	Methyl thiocyanate	556-64-9	5	15	28.4	28.4	ppm		
1894	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	0.25	0.75	5	25	ppm		human LClo
1895	**Methyl vinyl ketone; (3-Buten-2-one)**	**78-94-4**	0.05	**0.17**	**1.2**	**2.4**	ppm		**Interim AEGL-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1896	Methyl-1-butene, 2-	563-46-2	***65,000***	***65,000***	***2.30E+05***	***4.00E+05***	ppm		Simple asphyxiant, See LEL formatting note.
1897	Methyl-1H-benzotriazole	29385-43-1	2.5	7.5	60	300	mg/m^3		
1898	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	15	40	300	500	mg/m^3		
1899	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	2	6	40	200	ppm		NFPA HHR = 2
1900	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	0.03	0.1	0.6	3.5	ppm		Toxicity based on ketene.
1901	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	0.075	0.25	1.5	400	mg/m^3		
1902	Methyl-2-butene, 2-	513-35-9	2	6	40	200	ppm		No toxicity data found, HHR = 2 in MSDS.
1903	Methyl-2-chloroacrylate	80-63-7	0.05	0.15	1.01	7.5	ppm		
1904	Methyl-2-heptanone, 6-	928-68-7	10	30	50	250	mg/m^3		TSCA, HC&P listed, no toxicity data. Assumed non-volatile.
1905	Methyl-2-hexanone, 5-; (Methyl isoamyl ketone)	110-12-3	100	150	***1,500***	***1,500***	ppm		See LEL formatting note.
1906	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	25	25	25	***1,400***	ppm		See LEL formatting note.
1907	Methyl-4-penten-2-one, 4-	3744-02-3	25	25	25	***1,400***	ppm		Based on mesityl oxide (CASRN 141-79-7) See LEL formatting note.
1908	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	1	3	150	250	mg/m^3		
1909	Methyl-5-vinylpyridine, 2-	140-76-1	0.35	1	1.9	40	mg/m^3		
1910	Methyl-8-quinolinol, 2-	826-81-3	10	30	50	250	mg/m^3		No toxicity data found. MSDS data.
1911	Methylal; (Dimethoxymethane)	109-87-5	1,000	***2,200***	***2,200***	***2,200***	ppm		See LEL formatting note.
1912	Methylamine hydrochloride	593-51-1	3.5	10	60	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1913	Methylamino)ethanol, 2-(	109-83-1	3	10	60	350	ppm		
1914	Methylaniline, N-	100-61-8	2	2	2.5	100	ppm		
1915	Methylaziridine, 1-	1072-44-2	2	2	2	100	ppm		LClo > 2000 mg/m3 **SAR**
1916	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	6	20	125	500	mg/m^3		
1917	Methylbutylamine, N-	110-68-9	2	6	40	200	ppm		
1918	Methylcellulose	9004-67-5	15	50	350	500	mg/m^3		Supressed mouse intraperitoneal LD50
1919	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7	0.1	0.3	2	10	ppm		
1920	Methylcholanthrene, 3-	56-49-5	0.4	1.25	7.5	75	mg/m^3	**T-0, P-1, P-2**	
1921	Methylcyclohexane	108-87-2	500	***1,200***	***1,200***	***1,200***	ppm		See LEL formatting note.
1922	Methylcyclohexanone	1331-22-2	1.5	5	40	200	ppm		
1923	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	50	75	125	600	ppm		PEL-TWA supressed
1924	Methylcyclopentane	96-37-7	4	12.5	75	***4,000***	ppm		See LEL formatting note.
1925	Methyldecane, 4-	2847-72-5	1.57	4.7	7.83	40	ppm		HC&P listed, no toxicity data found.
1926	**Methyldichloroarsine; (Dichloromethylarsine)**	**593-89-5**	0.053	0.053	**0.053**	**0.16**	mg/m^3		**Interim AEGL-2, -3**
1927	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	0.01	1	7.5	40	ppm	**P-1, P-2**	
1928	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	0.005	0.005	0.01	0.15	ppm		
1929	**Methylene chloride; (Dichloromethane)**	**75-09-2**	25	**200**	**560**	**6900**	ppm		**Interim AEGL-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1930	**Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)**	**101-68-8**	0.051	**0.2**	**2**	**25**	mg/m^3		**ERPG-1, -2, -3**
1931	Methylene fluoride; (Difluoromethane; HFC-32)	75-10-5	1,000	3,000	2.00E+05	4.00E+05	ppm		
1932	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5	24	72.1	120	120	mg/m^3		TSCA listed. Used Cyanides PEL-TWA.
1933	Methylenebisacrylamide, N,N'-	110-26-9	1.5	5	35	150	mg/m^3		
1934	Methylenedianiline, 4,4'-	101-77-9	0.01	0.1	0.6	5	ppm	P-3	
1935	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	0.6	2	12.5	60	mg/m^3		Based on Isopropylbenzenehydroperoxide.
1936	Methylformamide, N-	123-39-7	15	50	350	500	ppm		
1937	Methylfuran, 2-	534-22-5	6	20	50	50	ppm		
1938	Methylheptane, 2-	592-27-8	2	6	40	200	ppm		HC&P listed, no toxicity data, pchem data ex ChemFinder. Duplicate entry deleted.
1939	Methylheptane, 4-	589-53-7	0.5	1.5	10	50	ppm		No toxicity data. See 2-methylheptane, 592-27-8
1940	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2	10	30	50	250	mg/m^3		TSCA and ChemFinder listed, no pchem or toxicity data found.
1941	Methylimidazole, 1-	616-47-7	6	15	125	500	mg/m^3		
1942	Methylimidazole, 4-	822-36-6	20	60	300	300	mg/m^3		
1943	Methyllactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	15	50	400	500	mg/m^3		
1944	**Methyllactonitrile, 2-; (Acetone cyanohydrin)**	**75-86-5**	1.44	**2.0**	**7.1**	**15**	ppm		**Final AEGL-1, -2, -3**
1945	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	0.4	1.25	7.5	40	ppm		No toxicity data found.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1946	Methylmagnesium chlordie	676-58-4	1.5	5	35	150	mg/m^3		No toxicity data found, HHR = 3.
1947	Methylmercuric dicyanamide	502-39-6	0.0149	0.0447	2.98	2.98	mg/m^3		
1948	Methylmorpholine, 4-	109-02-4	2	6	40	200	ppm		
1949	Methylnaphthalene, 1-	90-12-0	3	20	20	500	mg/m^3		
1950	Methylnaphthalene, 2-	91-57-6	3	3	3.5	500	mg/m^3		
1951	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	0.06	0.15	1.25	6	ppm		
1952	Methylnonane, 4-	17301-94-9	2	6	40	200	ppm		HC&P, no toxicity data, toxicity estimated.
1953	Methylpentane, 2-; (Isohexane)	107-83-5	500	510	510	***2,500***	ppm		See LEL formatting note.
1954	Methylpentane, 3-	96-14-0	500	510	510	***2,500***	ppm		See LEL formatting note.
1955	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	0.25	0.75	5	150	ppm		
1956	Methylphenol, 2-; (o-Cresol)	95-48-7	5	5	24.9	250	ppm		
1957	Methylphenol, 3-; (m-Cresol)	108-39-4	5	5	24.9	250	ppm		
1958	Methylphenol, 4-; (p-Cresol)	106-44-5	5	5	24.9	250	ppm		
1959	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	10	30	50	50	mg/m^3		
1960	Methylphosphonate	993-13-5	10	10	10	10	mg/m^3		HSDB, HC&P listed, no toxicity data found. Changed "Y" to "N".
1961	Methylphosphonothioic acid, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	1.5	5	8	8	mg/m^3		
1962	Methylphosphonothioic acid-, O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	2	6	10	10	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1963	Methylphosphonothioic acid, S-(2-(dimethylamino)ethyl) O-ethyl ester	20820-80-8	6.00E-05	2.00E-04	0.00125	0.006	ppm		"Vsub; (VXR)" deleted. No pchem data found. Client human LC50.
1964	Methylpropane, 2-; (Isobutane)	75-28-5	800	***2,400***	***4,000***	***15,000***	ppm		See LEL formatting note.
1965	Methylpropene, 2-; (Isobutene)	115-11-7	250	750	1,250	***1.00E+05***	ppm		New TLV-TWA, See LEL formatting note.
1966	Methylpropylnitrosoamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	0.01	0.03	0.2	4	ppm		
1967	Methylpyridine, 2-; (2-Picoline)	109-06-8	2	5	5	300	ppm		
1968	Methylpyrrole, N-	96-54-8	75	250	500	500	mg/m^3		No toxicity data found. MSDS NFPA HHR = 0
1969	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	0.75	2	15	75	mg/m^3		
1970	Methylstyrene, alpha-	98-83-9	10	100	100	700	ppm	T-0	
1971	Methyltetrahydrofuran, 2-	96-47-9	6	15	125	600	ppm		
1972	Methyltriacetoxysilane	4253-34-3	7.5	25	150	500	mg/m^3		
1973	**Methyltrichlorosilane; (Trichloromethyl silane)**	**75-79-6**	0.2	**0.60**	**7.3**	**33**	ppm	P-2, P-3	**Interim AEGL-1, -2, -3**
1974	Methyltriethoxysilane	2031-67-6	6	15	125	600	ppm		
1975	Methyl-trifluoromethanesulfonate	333-27-7	7.2	21.6	36	500	mg/m^3		No toxicity data found.
1976	Methyltrimethoxysilane	1185-55-3	50	150	500	500	mg/m^3		
1977	Methyltrioctylammonium chloride	5137-55-3	0.75	2.5	20	100	mg/m^3		
1978	**Methylvinyldichlorosilane; (Dichloromethylvinylsilane)**	**124-70-9**	0.3	**0.90**	**11**	**50**	ppm		**Interim AEGL-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1979	Methylvinylsiloxane-dimethylsiloxane copolymer, vinyl terminated	68083-18-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found
1980	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	1	3	4.8	200	mg/m^3		
1981	Mevinphos; (Phosdrin)	7786-34-7	0.01	0.3	4	36.6	mg/m^3	T-0	PEL-TWA suppressed
1982	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	2.5	7.5	14	14	mg/m^3		
1983	Mica; (mica silicates)	12001-26-2	3	9	15	500	mg/m^3		IDLH = 1500 mg/m^3, restricted to 500 mg/m^3 max; MW is for muscovite and sericite forms of mica.
1984	Michler's ketone; (4,4'-Bis(dimethylamino)benzophenone)	90-94-8	1	3.5	25	40	mg/m^3		
1985	Mineral fibers, fine	z-0032	10	30	50	250	mg/m^3		
1986	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5	5	15	500	500	mg/m^3		
1987	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3	5	15	100	500	mg/m^3		
1988	Mineral oil, petroleum distillates, solvent refined light naphthenic	64741-97-5	5	15	25	500	mg/m^3		Rat LD > 5 g/kg. No pchem data found.
1989	Mineral oil, petroleum distillates, solvent-refined (mild) heavy paraffinic	64741-88-4	5	15	25	500	mg/m^3		No toxicity data found. Rat oral LD50 for similar compounds > 5 g/kg.
1990	Mineral oil, white	8042-47-5	5	15	500	500	mg/m^3		
1991	Mineral oil; (Oil mist, mineral)	8012-95-1	5	10	10	500	mg/m^3	P-2	
1992	Mirex; (Perchloropentacyclodecane)	2385-85-5	0.1	0.3	2	100	mg/m^3	T-0, P-1, P-2	Bird inhalation data suppressed
1993	Mitomycin C	50-07-7	4	12.5	23	23	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
1994	Molecular sieve 13X	63231-69-6	7.5	25	150	500	mg/m^3		MSDS HHR = 2.
1995	Molybdate orange	12656-85-8	50	150	500	500	mg/m^3		PEL-TWA suppressed
1996	Molybdenum	7439-98-7	15	15	15	500	mg/m^3	P-1, P-2	
1997	Molybdenum carbide	12011-97-1	16.9	33.8	56.3	500	mg/m^3		LD > 250 mg/kg.
1998	Molybdenum dioxide	18868-43-4	0.667	2	3.5	500	mg/m^3		
1999	Molybdenum disilicide	12136-78-6	23.8	47.6	79.3	500	mg/m^3		
2000	Molybdenum hexacarbonyl	13939-06-5	41.3	82.6	138	500	mg/m^3		Insoluble Mo compound.
2001	Molybdenum pentachloride	10241-05-1	1.42	4.27	500	500	mg/m^3		
2002	Molybdenum trioxide	1313-27-5	0.75	0.75	0.75	500	mg/m^3		Solubility = 490 mg/L @ 28ºC
2003	Molybdenum(IV) sulfide	1317-33-5	25	50.1	83.4	500	mg/m^3		Rat oral LD50 > 2 g/kg.
2004	Molybdic acid	7782-91-4	0.844	2.53	4.22	500	mg/m^3		Mo compounds, treated as soluble.
2005	Molybdic acid, ammonium salt; (Ammonium molibdate)	11098-84-3	1.17	3.51	500	500	mg/m^3		Could not confirm MF, MW. RTECS toxicity data.
2006	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	1.07	3.22	10	500	mg/m^3		
2007	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	0.867	2.6	4.33	500	mg/m^3		
2008	Molybdophosphoric acid	12026-57-2	0.793	2.38	4	500	mg/m^3		TSCA listed, no toxicity data. Assumed soluble compound.
2009	Molybdophosphoric acid hydrate; (Phosphomolybdic acid hydrate)	51429-74-4	0.807	2.42	4.03	500	mg/m^3		No toxicity data found.
2010	Monobutyl phosphite	16456-56-7	6	20	150	500	mg/m^3		
2011	Monochloroamine; (Chloramide)	10599-90-3	0.05	0.15	1	5	ppm		RTECS data used,

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2012	Monochloropentafluoroethane; (CFC-115)	76-15-3	1,000	3,000	5,000	3.00E+05	ppm		
2013	Monocrotophos	6923-22-4	0.05	0.15	0.63	25	mg/m^3		
2014	**Monomethylamine; (Methylamine)**	**74-89-5**	10	**15**	**64**	**350**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
2015	**Monomethylhydrazine; (Methyl hydrazine)**	**60-34-4**	0.01	0.2	**0.9**	**2.7**	ppm		**Final AEGL-2, -3**
2016	Monosodium titanate	60704-88-3	10	30	50	250	mg/m^3		MSDS #18858-00 CASRN 12034-36-5 TSCA has MF = Na.H-O5-Ti2
2017	Montmorillonite	1318-93-0	0.3	0.75	6	30	mg/m^3		Used Bentonite (1302-78-9) acute lethality data, suppressed rat intratracheal TDlo.
2018	Morpholine	110-91-8	20	30	30	***1,400***	ppm		See LEL formatting note.
2019	Morpholinepropanesulfonic acid, 4-	1132-61-2	1.25	4	25	125	mg/m^3		Quail LD50 > 316 mg/m3
2020	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	1.25	4	25	125	mg/m^3		Quail LD50 > 316 mg/kg
2021	Muscimol; (5-Aminomethyl-3-isoxyzole)	2763-96-4	3.5	10	17	20	mg/m^3		
2022	Mustard gas sulfoxide; (bis(2-Chloroethyl)sulfoxide)	5819-08-9	0.4	1.25	7.5	40	mg/m^3		No pchem data found.
2023	Myoglobins	9008-45-1	10	30	50	250	mg/m^3		Not found in databases. MSDS states Solid.
2024	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	3	7.5	60	300	ppm		Rat oral LD50 > 8 g/kg.
2025	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	200	500	500	500	mg/m^3		
2026	Nabumetone; (Relafen; 4-(6-Methoxy-2-naphthyl)-2-butanone)	42924-53-8	0.75	2.5	15	500	mg/m^3		
2027	Nadic methyl anhydride	25134-21-8	0.75	2	15	75	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2028	Naphtha (coal tar); (Naphtha [petroleum] light aliphatic; Aliphatic naphtha)	8030-30-6	100	350	***1,000***	***1,000***	ppm		See LEL formatting note.
2029	Naphtha (petroleum), heavy catalytic cracked	64741-54-4	15	40	300	500	mg/m^3		Rat 240 min LC > 5700 mg/m3, oral LD > 5000 mg/kg.
2030	Naphtha (petroleum), light straight-run	64741-46-4	100	350	***1,000***	***1,000***	ppm		No toxicity data found. Used Naphtha (Coal tar) PAC. See LEL formatting note.
2031	Naphtha, heavy aliphatic solvent	64742-96-7	15	40	300	500	mg/m^3		TSCA listed, no toxicity data found. Used Naphtha (petroleum) heavy catalytic cracked (64741-54-4) PAC.
2032	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	171	513	***855***	***1,250***	ppm		OEL-TWA = 171 ppm (1200 mg/m3) from Exxon MSDS. See LEL formatting note.
2033	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	0.6	1.5	12.5	350	mg/m^3		
2034	Naphthalene	91-20-3	10	15	15	250	ppm		
2035	Naphthaleneacetamide, 1-	86-86-2	6	20	150	500	mg/m^3		
2036	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found. MSDS Solid.
2037	Naphthenic acid, lead salt	61790-14-5	1.25	4	30	500	mg/m^3		For stated MW, x = 7.
2038	Naphthol, 1-	90-15-3	25	75	500	500	mg/m^3		
2039	Naphthol, 2-	135-19-3	0.0025	0.0075	0.05	500	mg/m^3		
2040	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	2	6	40	200	mg/m^3		Not found in databases. Used 2-Naphthol-6-sulfonic acid (93-01-6) toxicity data.
2041	Naphthoquinone, 1,4-	130-15-4	7.5	25	75	75	mg/m^3		
2042	Naphthylamine, beta-	91-59-8	1.5	5	35	300	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2043	Naphthylthiourea, alpha-; (ANTU)	86-88-4	0.3	0.9	10	100	mg/m^3		
2044	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found, assumed non-volatile.
2045	Neodecanoic acid	26896-20-8	12.5	40	300	500	mg/m^3		
2046	Neodecanoic acid, calcium salt; (Calcium neodecanoate)	27253-33-4	12.5	40	300	500	mg/m^3		No MSDS found, no useful toxicity data found. Used Neodecanoic acid data.
2047	Neodymium	7440-00-8	7.50E-04	0.0025	0.02	0.1	mg/m^3		
2048	Neodymium bromide	13536-80-6	2.51	3.14	3.14	47.1	mg/m^3	**T-0, P-1, P-2, P-3**	Deleted PNOS and used bromine exposure limits (TLV-TWA & -STEL, IDLH)
2049	Neodymium fluoride	13709-42-7	8.83	26.5	44.1	500	mg/m^3		Used fluoride exposure limits
2050	Neodymium hydroxide	16469-17-3	0.75	0.75	2	75	mg/m^3		**SAR**
2051	Neodymium nitrate	10045-95-1	7.5	25	150	500	mg/m^3		
2052	Neodymium nitrate, pentahydrate	14517-29-4	10	30	50	250	mg/m^3		HC&P listed, no toxicity data found.
2053	Neodymium nitrite	z-0033	0.04	0.1	0.75	75	mg/m^3		**SAR**
2054	Neodymium(III) chloride	10024-93-8	0.6	1.5	12.5	60	mg/m^3		Units changed.
2055	Neodymium(III) oxide	1313-97-9	20	60	400	500	mg/m^3		Rat oral LD50 > 5 g/kg
2056	Neon	7440-01-9	65,000	65,000	2.30E+05	4.00E+05	ppm		Simple asphyxiant.
2057	Nickel	7440-02-0	1	4.5	10	10	mg/m^3	**P-2, P-3**	
2058	Nickel acetate tetrahydrate	6018-89-9	4.24	12.7	21.2	42.4	mg/m^3	**T-0, P-1, P-2**	
2059	Nickel aluminide	12003-78-0	0.271	0.814	1.36	13.6	mg/m^3		TSCA listed, no toxicity data found.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2060	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	0.427	1.28	2.14	21.4	mg/m^3	P-1, P-2	See also SAX NCY600, 12607-70-4 Used Ni insol compounds
2061	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	0.346	1.04	1.73	17.3	mg/m^3		
2062	**Nickel carbonyl**	**13463-39-3**	1.00E-03	0.005	**0.036**	**0.16**	ppm	P-1	**Final AEGL-2, -3**
2063	Nickel chloride; (Nickelous chloride)	7718-54-9	0.221	0.221	0.221	22.1	mg/m^3	P-1, P-2	Ni soluble compounds
2064	Nickel cyanide	557-19-7	0.377	0.5	3.5	18.9	mg/m^3	P-1, P-2	
2065	Nickel fluoride	13940-83-5	0.575	1.73	3	28.8	mg/m^3		ChemFinder has Nickel(II) fluoride tetrahydrate.
2066	Nickel formate	3349-06-2	2.53	7.6	12.7	25.3	mg/m^3	T-0, P-1, P-2	Ni soluble organic compounds
2067	Nickel oxalate (liquids)	6018-94-6a	0.25	0.75	1.25	25	mg/m^3	T-0, P-1, P-2	
2068	Nickel oxalate (solids)	6018-94-6b	0.5	1.5	2.5	25	mg/m^3	T-0, P-1, P-2	
2069	Nickel oxide; (Nickel(II) oxide)	1313-99-1	0.255	0.764	12.7	12.7	mg/m^3		PEL-TWA suppressed
2070	Nickel perchlorate	13637-71-3	1.25	3.74	6.23	62.3	mg/m^3		PEL-TWA suppressed
2071	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	0.427	1.28	2.14	42.7	mg/m^3		PEL-TWA suppressed
2072	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	0.448	1.34	10	44.8	mg/m^3		PEL-TWA suppressed
2073	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	0.264	0.791	1.32	26.4	mg/m^3	P-1, P-2	PEL-TWA suppressed
2074	Nickel(2+) stearate	2223-95-2	10.7	32	53.3	107	mg/m^3		
2075	Nickel(II) bromide	13462-88-9	0.372	1.12	1.86	37.2	mg/m^3		Ni soluble compounds
2076	Nickel(II) carbonate (1:1)	3333-67-3	0.405	1.21	2.02	20.2	mg/m^3		PEL-TWA suppressed
2077	Nickel(II) chloride hexahydrate	7791-20-0	0.405	15	40.5	40.5	mg/m^3	P-1	Ni soluble compounds

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2078	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	0.0237	0.06	0.4	15.8	mg/m^3	T-0, P-1, P-2	SAX has CASRNs of nickelous and nickelic reversed.
2079	Nickel(II) nitrate hexahydrate	13478-00-7	0.496	1.25	10	49.6	mg/m^3	P-1, P-2	PEL-TWA suppressed
2080	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	0.31	0.93	12.5	31	mg/m^3	P-1	
2081	Nickel(II) nitrite	17861-62-0	0.1	0.3	0.5	10	mg/m^3		PEL-TWA suppressed
2082	Nickel(II) phosphate	10381-36-9	0.2	0.6	1	10	mg/m^3		PEL-TWA suppressed
2083	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	0.374	1.12	1.87	18.7	mg/m^3		CASRN = 12125-56-3 is Ni(OH)3; 12054-48-7 is Ni(OH)2; 11113-74-9 is Ni.OH, but databases differ. Ni.OOH (Ni oxy OH) not found
2084	Nicotinamide	98-92-0	6	20	150	500	mg/m^3		
2085	Nicotine sulfate	65-30-5	4	9	9	9	mg/m^3		
2086	Nicotine, dl-beta-; (DL-Nicotine)	22083-74-5	0.75	2	15	75	mg/m^3		
2087	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	0.5	1.5	3.5	5	mg/m^3		
2088	Nicotinic acid; (Niacin)	59-67-6	0.75	2.5	15	500	mg/m^3		
2089	Niobium	7440-03-1	40	125	500	500	mg/m^3		Rat LD50 > 10 g/kg
2090	Niobium chloride	10026-12-7	0.2	0.6	4	500	mg/m^3		
2091	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	10	30	200	500	mg/m^3		Rat oral LD50 > 10 g/kg.
2092	Niobium(IV) carbide	12069-94-2	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found.
2093	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	15	20	20	400	mg/m^3		
2094	Nitrate(s)	14797-55-8	10	30	50	250	mg/m^3		

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Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2095	**Nitric acid**	**7697-37-2**	0.53	**0.53**	**24**	**92**	ppm		**Interim AEGL-1, -2, -3 (ERPGs for "white fuming")**
2096	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	2.05	6.16	10.3	50	ppm		No toxicity data found.
2097	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	0.35	1	6	35	ppm		HSDB MP = -94.6, BP = 87.2.
2098	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	25	75	500	2,500	ppm		CASRN corrected, 10023-16-0 fails checksum.
2099	**Nitric oxide**	**10102-43-9**	0.5	**0.50**	**12**	**20**	ppm		On AEGL list, no values but EPA recommends use of nitrogen dioxide AEGLs.
2100	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	6	15	125	500	mg/m^3		
2101	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8	0.06	0.2	1.25	500	mg/m^3		Some toxicity data ex HSDB.
2102	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	35	100	500	500	mg/m^3		
2103	Nitrilotris(methylene)trisphosphonic acid; (Amino, tris[methylene phosphonic acid])	6419-19-8	10	10	35	500	mg/m^3		Name changed.
2104	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	6	20	125	500	mg/m^3		Rat 4 hr LC50 > 2529 mg/m3
2105	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	0.6	1.5	12.5	200	mg/m^3		
2106	Nitroaniline, p-	100-01-6	6	9	300	300	mg/m^3		
2107	Nitrobenzene	98-95-3	1	2.5	19.9	200	ppm	P-1	
2108	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	40	125	500	500	mg/m^3		
2109	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	92-93-3	0.25	0.75	5	500	mg/m^3		
2110	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-Chloronitrobenzene)	121-73-3	0.06	0.2	1.25	150	mg/m^3		
2111	Nitrocyclohexane	1122-60-7	0.3	0.75	1.5	60	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2112	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	0.35	1	7.5	40	ppm		SAR
2113	Nitrodiphenylamine, 2-	119-75-5	30	100	500	500	mg/m^3		Used p-nitrodiphenylamine (CASRN = 836-30-6)
2114	Nitroethane	79-24-3	100	100	200	1,000	ppm		
2115	Nitrogen	7727-37-9	7.96E+05	7.96E+05	8.32E+05	8.69E+05	ppm		Total Nitrogen
2116	**Nitrogen dioxide**	**10102-44-0**	0.5	**0.50**	**12**	**20**	ppm		**Interim AEGL-1, -2, -3**
2117	Nitrogen mustard hydrochloride	55-86-7	0.75	2.5	4	4	mg/m^3		
2118	**Nitrogen mustard; (Bis(b-chloroethyl)methylamine; Nitrogen mustard-2)**	**51-75-2**	1.00E-03	0.003	**0.022**	**0.37**	mg/m^3		**Interim AEGL-2, -3**
2119	**Nitrogen tetroxide**	**10544-72-6**	0.3	**0.94**	**23**	**38**	ppm	T-0, P-1, P-2, P-3	**New interim AEGL-1, AEGL-2, AEGL-3**
2120	**Nitrogen trifluoride**	**7783-54-2**	10	**200**	**530**	**860**	ppm	P-1, P-2, P-3	**New interim AEGL-1, AEGL-2, AEGL-3**
2121	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	5	15	100	500	ppm		TSCA, HC&P listed, CASRN 12033-49-7 not found, data source uncertain
2122	Nitroglycerin	55-63-0	0.1	0.1	2	75	mg/m^3		
2123	Nitromethane	75-52-5	20	60	750	750	ppm		PEL-TWA suppressed
2124	Nitromethane-d3; (Trideuteronitromethane)	13031-32-8	20	60	200	750	ppm		Used nitromethane, 72-52-5
2125	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	10	30	200	500	mg/m^3		SAX MF and MW incorrect. Rat oral LD50 from MSDS.
2126	Nitronium Tetrafluoroborate	13826-86-3	4.37	13.1	21.8	437	mg/m^3		No pchem data found, HHR = 3 from MSDS.
2127	Nitrophenol (mixed isomers)	25154-55-6	0.75	2.5	15	75	mg/m^3		Used most toxic isomer Ts (4-Nitrophenol, 100-02-7).
2128	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	1.25	4	30	150	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2129	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	1.25	4	30	150	mg/m^3		
2130	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7	6	20	75	75	mg/m^3	T-0, P-1, P-2	
2131	Nitropropane, 1-	108-03-2	25	75	125	1,000	ppm		Retained "N", because less toxic than 2-Nitropropane, 79-46-9
2132	Nitropropane, 2-	79-46-9	25	25	25	100	ppm	P-1, P-2	
2133	Nitropyrene, 1-	5522-43-0	0.1	0.3	2	10	mg/m^3		
2134	Nitropyridine-N-oxide, 4-; (Pyridine, 4-nitro, 1-oxide)	1124-33-0	15	50	80	80	mg/m^3		
2135	Nitrosodimethylamine	62-75-9	3.5	10	19	100	mg/m^3		Women 2.5 Y monitoring data ignored
2136	Nitrosodiphenylamine, p-	156-10-5	0.1	0.3	2	150	mg/m^3		
2137	Nitrosodipropylamine; (DPNA)	621-64-7	0.06	0.2	1.25	200	mg/m^3		
2138	Nitrosomorpholine	59-89-2	0.4	1.25	7.5	30	mg/m^3		
2139	Nitroso-N-methylurea, N-	684-93-5	4	12.5	50	50	mg/m^3	T-0, P-1, P-2	
2140	Nitrosophenol, p-	104-91-6	2	6	40	200	mg/m^3		
2141	Nitrosotoluene, 2-; (o-Nitrosotoluene)	611-23-4	7.5	25	150	500	mg/m^3		
2142	Nitrosyl chloride	2696-92-6	0.025	0.075	0.5	2.5	ppm		
2143	Nitrosylsulfuric acid	7782-78-7	1.5	5	35	150	mg/m^3		No toxicity data found.
2144	Nitrotoluene, m-	99-08-1	5	6	50	200	ppm		
2145	Nitrotoluene, o-	88-72-2	5	6	10	200	ppm		
2146	Nitrotoluene, p-	99-99-0	5	5	40	200	ppm	P-1, P-2	

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2147	Nitrous acid	7782-77-6	1.37	1.37	61.8	237	mg/m^3	T-0, P-1, P-2, P-3	Used HNO3 (7697-37-2) PAC values
2148	Nitrous oxide	10024-97-2	50	150	10,000	20,000	ppm		
2149	Nonacosane	630-03-5	10	30	50	250	mg/m^3		
2150	Nonanal	124-19-6	2	6	40	500	mg/m^3		
2151	Nonane; (Shellsol 140)	111-84-2	200	200	350	350	ppm	P-1, P-2, P-3	
2152	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	26.8	26.8	26.8	134	ppm		Exposure limits as CN
2153	Nonanoic acid	112-05-0	25	75	500	500	mg/m^3		
2154	Nonanone, 2-	821-55-6	1	3	20	75	ppm		
2155	Nonene, 1-	124-11-8	0.5	1.5	10	50	ppm		HSDB, OHMTADS, TSCA, no toxicity data, estimated.
2156	Nonoxynol-4	7311-27-5	10	30	50	250	mg/m^3		
2157	Nonyl alcohol	143-08-8	25	75	500	500	mg/m^3		
2158	Nonyl phenol (mixed isomers)	25154-52-3	2.5	7.5	50	250	mg/m^3	T-0, P-1, P-2, P-3	
2159	Nonyl phenol, 4- (branched)	84852-15-3	0.4	1.25	7.5	500	mg/m^3	T-0, P-1, P-2	
2160	Nonyl phenol, p-	104-40-5	7.5	25	150	500	mg/m^3	T-0, P-1, P-2	
2161	Nonylphenol, 4-, branched, ethoxylated	127087-87-0	10	30	200	500	mg/m^3		
2162	Nonylphenoxypolyethoxyethanol	68412-54-4	10	30	50	250	mg/m^3		
2163	**Nonyltrichlorosilane**	**5283-67-0**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**
2164	Norbormide	991-42-4	0.75	2	3.8	3.8	mg/m^3		
2165	Norchlorofluoroepibatidine	z-0034	4.00E-05	1.25E-04	7.50E-04	0.00125	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2166	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	0.004	0.01	0.075	0.4	mg/m^3		
2167	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	0.003	0.0075	0.06	10	mg/m^3		LC50 based on other CDFs
2168	Octachloronaphthalene	2234-13-1	0.1	0.3	0.3	1	mg/m^3		
2169	Octacosane	630-02-4	21.7	21.7	112	500	ppm		TSCA listed, no toxicity data found.
2170	Octadecane, n-	593-45-3	33.7	33.7	173	750	ppm		TSCA, HC&P listed.
2171	Octadecanoic acid, n-; (Stearic acid)	57-11-4	0.15	0.5	3.5	15	mg/m^3	T-0, P-1, P-2, P-3	Rat oral 30 week TDlo suppressed
2172	Octadecanol, 1-	112-92-5	2.5	7.5	50	***750***	ppm		See LEL formatting note.
2173	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	0.015	0.05	0.4	500	mg/m^3		
2174	Octadecyl methacrylate	32360-05-7	10	30	50	250	mg/m^3		TSCA, HC&P listed, no toxicity data. MSDS MP, SG data. Assumed nonvolatile.
2175	**Octadecyltrichlorosilane**	**112-04-9**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3.** Units changed.
2176	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	25,000	65,000	2.30E+05	3.00E+05	ppm		
2177	Octamethylcyclotetrasiloxane	556-67-2	12.5	35	250	300	ppm		SAR Ts = 10, 30, 50, 500 mg/m3 not used.
2178	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide)	152-16-9	0.15	0.5	0.8	3.5	mg/m^3		
2179	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	20	60	500	500	mg/m^3		
2180	Octanamine, 1-	111-86-4	0.4	1.25	7.5	40	mg/m^3		
2181	Octane, n-	111-65-9	300	300	385	***1,000***	ppm		See LEL formatting note.
2182	Octanedione, 2,5-	3214-41-3	20	60	500	500	mg/m^3		Not found in databases. Toxicity based on octane

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2183	Octanenitrile	124-12-9	1.5	4	30	150	ppm		
2184	Octanethiol, 1-	111-88-6	0.025	0.075	0.5	150	ppm		Toxicity data ex HSDB
2185	Octanoic acid; (Caprylic acid)	124-07-2	40	125	500	500	mg/m^3		
2186	Octanol, 2-	123-96-6	12.5	35	250	350	mg/m^3		HSDB, TSCA give CASRN = 123-96-6, changed from 4128-31-8.
2187	Octanone, 2-	111-13-7	60	200	500	500	mg/m^3		
2188	Octaphenylcyclotetrasiloxane	546-56-5	20	60	400	500	mg/m^3		RTECS LD 50 > 4640 mg/kg
2189	**Octene, 1-**	**111-66-0**	40	**40**	**800**	***2000***	ppm		**ERPG-1, -2, -3** See LEL formatting note.
2190	**Octyl alcohol; (n-Octanol)**	**111-87-5**	5	**5**	**20**	**150**	ppm	**T-0, P-1, P-2, P-3**	New **ERPG-1, ERPG-2, ERPG-3**
2191	**Octyl mercaptan, t-**	**141-59-3**	0.125	0.35	**0.60**	**1.8**	ppm	**New addition**	New interim **AEGL-2, AEGL-3**
2192	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9	10	30	50	250	mg/m^3		
2193	**Octyltrichlorosilane**	**5283-66-9**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**
2194	Oil gas; (Oil fog)	z-0035	350	1,000	7,500	25,000	ppm		
2195	**Oleum; (fuming Sulfuric acid)**	**8014-95-7**	0.06	**0.20**	**8.7**	**160**	mg/m^3	**T-0**	**Interim AEGL-1, -2, -3**
2196	Organorhodium complex	z-0036	0.292	0.8	0.8	292	mg/m^3		MW assumed, insol Rh conc. limits used.
2197	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	0.1	0.3	2	10	ppm		An irritant, but no toxicity data found. Rat LC50 based on HR.
2198	Osmium	7440-04-2	0.25	0.75	6	30	mg/m^3		
2199	**Osmium tetroxide**	**20816-12-0**	2.00E-04	6.00E-04	**0.0084**	**4.0**	ppm		**Interim AEGL-2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2200	**Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)**	**106602-80-6**	0.05	**0.17**	**1.0**	**13**	ppm		**Final AEGL-1, -2, -3**
2201	Ouabain	630-60-4	1.5	5	8.3	12.5	mg/m^3		
2202	Oxalic acid dihydrate	6153-56-6	0.35	1	30	150	mg/m^3	T-0, P-1, P-2, P-3	MSDS rat oral LD50 and Russian STEL used
2203	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	1	2	40	500	mg/m^3		
2204	Oxalyl chlorine	79-37-8	1.5	5	40	200	ppm		
2205	Oxamide	471-46-5	1.5	5	40	200	mg/m^3		
2206	Oxamyl	23135-22-0	0.35	1	1.7	15	mg/m^3		
2207	Oxathiane, 1,4-	15980-15-1	4	12.5	75	400	ppm		
2208	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	3	10	25	25	ppm		
2209	Oxone, monopersulfate compound	37222-66-5	10	30	50	250	mg/m^3		Not found in databases
2210	Oxybis(N,N-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	0.05	0.15	15	15	ppm		
2211	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	2	6	40	200	mg/m^3		
2212	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	3	10	60	125	mg/m^3		
2213	Oxydiphenoxarsine, 10,10'-; (Phenoxarsine oxide)	58-36-6	1.68	2	14	14	mg/m^3		Organic arsenic compound.
2214	Oxydisulfoton	2497-07-6	0.6	2	3.5	3.5	mg/m^3		
2215	**Oxygen difluoride; (Fluorine monoxide)**	**7783-41-7**	0.05	0.1	**0.83**	**2.5**	ppm		**Interim AEGL-2, -3**
2216	Ozone	10028-15-6	0.1	0.15	1	5	ppm		

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2217	Palladium	7440-05-3	1	3	20	100	mg/m^3	T-0, P-1, P-2, P-3	
2218	Palladium chloride	7647-10-1	0.15	0.4	3	500	mg/m^3		
2219	Palladium hydroxide	12135-22-7	0.125	0.3	2.5	75	mg/m^3		SAR
2220	Palladium nitrate	10102-05-3	10	30	50	250	mg/m3	**New addition**	
2221	Palladium oxide	1314-08-5	0.6	2	12.5	500	mg/m3	**New addition**	
2222	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethanolamine	71808-29-2	10	30	50	250	mg/m^3		TSCA-listed.
2223	Paraffin, n-	8002-74-2	2	6	100	500	mg/m^3	P-1	
2224	Paraffins, petroleum, normal C5-C20	64771-72-8	300	900	1,500	7,500	ppm		RTECS, TSCA listed, no data. Could not trace source, so suppressed rat oral LD50, changed "Y" to "N".
2225	Paraformaldehyde	30525-89-4	4	12.5	75	100	mg/m^3		
2226	Paraldehyde	123-63-7	15	40	300	300	mg/m^3	P-3	
2227	Paraquat	4685-14-7	0.1	0.25	1	1	mg/m^3	T-0, P-1, P-2, P-3	PEL-TWA suppressed because it is 5 x TLV-TWA
2228	Paraquat dichloride	1910-42-5	0.1	0.1	0.15	1	mg/m^3		PEL-TWA suppressed because it is 5 x REL-TWA
2229	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	0.75	2	15	40	mg/m^3		PEL-TWA suppressed because > LOC
2230	**Parathion**	**56-38-2**	0.1	0.15	**1.5**	**2.0**	mg/m^3	T-0, P-2, P-3	New interim **AEGL-2, AEGL-3**
2231	Paris Green; (Cupric acetoarsenite)	12002-03-8	1.13	3.38	22	22	mg/m^3		Organic arsenic PEL-TWA
2232	Particulate material (PNOS)	z-0037	10	30	50	250	mg/m^3		PNOS
2233	PBX (mixture of HMX and nitrocellulose [CTN])	z-0038	0.16	2.9	3	500	mg/m^3		

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Table 2: Protective Action Criteria (PAC) Rev 26
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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2234	**Pentaborane**	**19624-22-7**	0.005	0.015	**0.14**	**0.70**	ppm		**Interim AEGL-2, -3**
2235	Pentachlorobenzene	608-93-5	0.04	0.125	0.75	400	mg/m^3	T-0, P-1, P-2	
2236	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	7.50E-04	0.0025	0.015	0.075	mg/m^3	T-0, P-1, P-2, P-3	
2237	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	2.00E-04	6.00E-04	0.004	0.4	mg/m^3	T-0, P-1, P-2	
2238	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	6.00E-04	0.0015	0.0125	0.075	mg/m^3	T-0, P-1, P-2	
2239	Pentachloroethane	76-01-7	42	126	500	500	mg/m^3		
2240	Pentachloronitrobenzene	82-68-8	0.5	1.5	100	500	mg/m^3	P-2	
2241	Pentachlorophenol	87-86-5	0.5	2	2.5	2.5	mg/m^3	P-1	
2242	Pentadecafluorooctanoic acid	335-67-1	0.005	0.015	75	75	mg/m^3	T-0, P-1	
2243	Pentadecane	629-62-9	3.5	10	60	350	ppm		
2244	Pentadecanoic acid	1002-84-2	0.04	0.125	1	5	ppm		
2245	Pentadecylamine	2570-26-5	0.1	0.3	2	100	mg/m^3		
2246	Pentaerythritol	115-77-5	15	30	50	500	mg/m^3		
2247	Pentaerythritol tetra(3-mercaptopropionate), reaction products with 2-(hydroxymethyl)-2-((3-mercapto-1-oxopropoxy)methyl)-1,3-propanediyl bis(3-mercaptopropanoate) and 1-octene	95823-35-1	10	30	50	250	mg/m^3		TSCA listed, no MSDS, toxicity or pchem data found,
2248	Pentaerythritol tetranitrate	78-11-5	0.015	0.05	0.35	500	mg/m^3		
2249	Pentafluorobenzoic acid	602-94-8	0.75	2	15	75	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2250	Pentafluoropropane, 1,1,1,3,3-	460-73-1	300	900	60,000	60,000	ppm		
2251	Pentane, n-	109-66-0	120	120	610	***1,500***	ppm		See LEL formatting note Suppressed PEL- and TLV-TWA >> REL-TWA
2252	Pentanediol, 1,5-	111-29-5	7.5	25	150	500	mg/m^3		
2253	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	20	50	100	100	ppm	T-0	
2254	Pentanenitrile	110-59-8	1.5	4	25	25	ppm		
2255	Pentanol, 2-; (sec-Amyl alcohol; Methyl propyl carbinol; Isoamyl alcohol, secondary)	6032-29-7	20	20	100	500	ppm	T-0, P-1, P-3	
2256	Pentanone, 2-; (Methyl propyl ketone)	107-87-9	150	150	150	***1,500***	ppm		See LEL formatting note.
2257	Pentanone, 3-; (Diethyl ketone)	96-22-0	200	300	300	750	ppm		
2258	Pentatriacontane	630-07-9	10	30	50	250	mg/m^3		
2259	Pentene, 1-	109-67-1	300	750	***6,000***	***75,000***	ppm		HSDB LClo used. RTECS data added. See LEL formatting note.
2260	Pentobarbital sodium; (Nembutal sodium)	57-33-0	0.15	0.5	3.5	50	mg/m^3		
2261	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	60	100	100	100	ppm		Pchem data varies in sources. Irritant in HSDB.
2262	Peptone; (Hydrolized protein, Tryptones)	73049-73-7	10	30	50	250	mg/m^3		TSCA, H&N listed with Tryptones, no toxicity data found.
2263	**Peracetic acid**	**79-21-0**	0.15	**0.52**	**1.60**	**15**	mg/m^3		**Interim AEGL-1, -2, -3** Units changed from ppm to mg/m^3.
2264	Perboric acid, sodium salt	7632-04-4	0.5	1.5	10	500	mg/m^3		
2265	Perchloric acid	7601-90-3	0.0035	0.01	0.075	100	ppm	T-0, P-1, P-2	

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2266	Perchloric acid, zinc salt, hexahydrate	10025-64-6	0.6	1.5	12.5	60	mg/m^3		
2267	**Perchloroethylene; (Tetrachloroethylene)**	**127-18-4**	25	**35**	**230**	**1200**	ppm		**Interim AEGL-1, -2, -3** PEL-TWA > AEGL-1, suppressed
2268	**Perchloromethyl mercaptan**	**594-42-3**	0.013	**0.013**	**0.30**	**0.90**	ppm		**Interim AEGL-1, -2, -3**
2269	**Perchloryl fluoride; (Chlorine oxyfluoride)**	**7616-94-6**	1.5	**1.5**	**4.0**	**12**	ppm	T-0, P-1, P-2, P-3	New interim **AEGL-1, -2, -3**
2270	Percoll	65455-52-9	10	30	50	250	mg/m^3		Not found in databases, assumed nonvolatile liquid.
2271	Perfluoro compounds, C5-C18; (Fluorinert electronic liquid perfluoro compounds)	86508-42-1	200	600	4,000	25,000	ppm		RTECS has LC > 40000 ppm. Pchem data varies between sources.
2272	Perfluoroalkylether polymer; (Capped homopolymers of hexafluoropropylene epoxide, Fluorine End-)	60164-51-4	75	250	500	500	mg/m^3		TSCA listed, no toxicity data, HHR = 1 ex SRS .
2273	**Perfluoroisobutylene; (Octafluoro-sec-butene)**	**382-21-8**	0.005	0.015	**0.11**	**0.33**	ppm	P-2, P-3	New interim **AEGL-2, AEGL-3**
2274	Perfluoropolyether; (1,1,2,3,3,3-Hexafluoro-1-propene, oxidized, polymerized; Vacuum pump oil)	69991-67-9	10	30	200	500	mg/m^3		Toxicity estimated from Hexafluoropropene, MSDS states an irritant.
2275	Periodic acid	10450-60-9	0.18	1.8	1.8	25.8	mg/m^3		No toxicity data found, used MW-adjusted iodic acid values.
2276	Periodic acid, sodium salt	7790-28-5	0.25	0.75	5	25	mg/m^3		
2277	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	15	45	75	500	mg/m^3		
2278	Permafluor E+	z-0039	100	150	500	500	mg/m^3		Mixture ex MSDS
2279	Permafluor-V (85+% toluene)	z-0040	20	200	1,250	4,500	ppm		Mixture PPO, bis-MSB is 85-90% toluene, 10% methanol
2280	Peroxydicarbonic acid, disodium salt	3313-92-6	7.5	25	150	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2281	Petrolatum	8009-03-8	15	50	350	500	mg/m^3		
2282	Petroleum 50 thinner; (Paint thinner)	z-0041	7.5	25	150	750	ppm		
2283	Petroleum asphalt	8052-42-4b	0.5	7.5	50	250	mg/m^3	T-0, P-1, P-2, P-3	See Asphalt (ARO500), same CASRN, different toxicity
2284	Petroleum coke, calcined	64743-05-1	10	30	50	500	mg/m^3		TSCA listed, no toxicity data.
2285	Petroleum distillates, clay-treated light naphthenic	64742-45-6	20	60	400	500	mg/m^3		
2286	Petroleum distillates, low boiling	68477-31-6	350	350	500	500	mg/m^3		NIOSH petroleum distillates limits used. PEL-TWA suppressed,
2287	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9	10	30	50	250	mg/m^3		
2288	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0	20	60	400	***2,000***	ppm		See LEL formatting note.
2289	Petroleum spirits; (VM & P Naphtha, Ligroine, Paint solvent)	8032-32-4	75	75	400	***1,100***	ppm	P-3	Paint solvent; Ligroine, z-0100, deleted and combined with this entry. IDLH from Petroleum distillate naphtha (8002-05-9) NPG
2290	Petroleum; (Petroleum crude oil)	8002-05-9	87.5	87.5	450	1,100	ppm		Same CASRN as Petroleum distillate, PCS250, different toxicity.
2291	Phenacetin; (p-Acetophenetidide)	62-44-2	0.5	1.5	10	60	mg/m^3		
2292	Phenaglycodol; (Ultran; 2-p-Chlorophenyl-3-methyl-2,3-butanediol)	79-93-6	3.5	10	75	350	mg/m^3		
2293	Phenanthrene	85-01-8	2	6	40	500	mg/m^3	P-2, P-3	
2294	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	10	30	50	250	mg/m^3		
2295	Phenanthroline, 1,10-	66-71-7	0.1	0.3	2	30	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2296	**Phenol**	**108-95-2**	5	**15**	**23**	**200**	ppm		**Final AEGL-1, -2** **ERPG-1, -2, -3**
2297	Phenol red, sodium salt	34487-61-1	7.5	25	150	500	mg/m^3		TSCA listed, no toxicity data found.
2298	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	15	50	350	500	mg/m^3		TSCA listed mixture, no toxicity data, MSDS state, BP, VP, SG.
2299	Phenolphthalein	77-09-8	0.75	2.5	15	400	mg/m^3		
2300	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	20	20	20	100	ppm		
2301	**Phenyl Chloroformate; (Carbonochloridic acid, phenyl ester)**	**1885-14-9**	0.0075	0.025	**0.19**	**0.57**	ppm		**Interim AEGL-2, -3** Pchem data from MSDS
2302	**Phenyl dichloroarsine; (Dichlorophenylarsine)**	**696-28-6**	0.061	0.061	**0.061**	**0.18**	mg/m^3		**Interim AEGL-2, -3**
2303	Phenyl ether; (Diphenyl ether)	101-84-8	1	2	20	100	ppm		
2304	**Phenyl isocyanate**	**103-71-9**	0.006	**0.020**	**0.15**	**0.24**	ppm	T-0, P-1, P-2, P-3	**New AEGL-1, AEGL-2, AEGL-3**
2305	Phenyl sepharose cl-4b	69106-59-8	10	30	50	250	mg/m^3		Name corrected. Not found in databases, no MSDS for this CASRN. MSDS for Phenyl sepharose 6-fast flow gives HHR = 2.
2306	Phenyl-1,2-propanedione, 1-	579-07-7	2.5	7.5	50	250	mg/m^3		
2307	Phenyl-2-oxazoline, 2-	7127-19-7	1	3	5	25	ppm		Not found in databases. No useful data in MSDS.
2308	Phenyl-2-propanol, 2-; (Dimethylphenylmethanol)	617-94-7	1	3	20	100	ppm		SAR Ts = 4, 12.5, 100, 200 mg/m3 not used.
2309	Phenylacetylene; (Ethynylbenzene)	536-74-3	40	100	500	500	mg/m^3		
2310	Phenylazo)aniline, p-(	60-09-3	0.6	2	12.5	75	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2311	Phenylboric acid; (Benzeneboronic acid)	98-80-6	3	7.5	60	300	mg/m^3		
2312	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	40	125	500	500	mg/m^3		Mouse ip LD50 ignored.
2313	Phenylene diisocyanate, 1,4-	104-49-4	3.5	10	35	35	mg/m^3		
2314	Phenylenediamine dihydrochloride, 1,2-	615-28-1	10	30	125	125	mg/m^3		
2315	Phenylenediamine dihydrochloride, 1,4-	624-18-0	0.6	1.5	12.5	60	mg/m^3		
2316	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	0.1	0.3	200	500	mg/m^3		
2317	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	0.1	0.3	10	125	mg/m^3		
2318	Phenylenediamine, p-	106-50-3	0.1	6	25	25	mg/m^3	**P-1, P-2**	
2319	Phenylhydrazine	100-63-0	0.1	0.3	2	15	ppm		PEL-TWA and REL-C suppressed
2320	Phenylhydrazine hydrochloride	59-88-1	50	150	250	250	mg/m^3		
2321	Phenylmagnesium bromide	100-58-3	1.5	5	35	150	mg/m^3		No toxicity or pchem data found, HHR = 3 from MSDS.
2322	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	0.168	2.5	16.8	16.8	mg/m^3	**P-1**	As mercury compounds
2323	Phenylphenol, 2-	90-43-7	60	150	500	500	mg/m^3	**T-0, P1**	
2324	Phenylphosphine	638-21-1	0.0025	0.0075	0.05	4	ppm	**T-0, P1, P3**	
2325	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	0.06	0.15	1.25	500	mg/m^3		
2326	Phenylsilatrane	2097-19-0	0.2	0.6	1	1	mg/m^3		
2327	Phenylthiourea; (1-Phenyl-2-thiourea)	103-85-5	0.6	1.5	3	3	mg/m^3		PNOS inappropriate, deleted.
2328	Phenyltriethoxysilane	780-69-8	10	35	250	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2329	Phenyltrimethoxysilane	2996-92-1	1.5	4	30	150	mg/m^3		
2330	Phenylxylylethane; (PXE)	6196-95-8	10	30	50	250	mg/m^3		CHRIS listed, no toxicity data found.
2331	Phloroglucinol dihydrate	6099-90-7	4	12.5	75	400	mg/m^3		Mouse LD > 500 mg/kg.
2332	**Phorate**	**298-02-2**	0.04	0.04	**0.040**	**0.12**	mg/m^3	**T-0, P1, P-2, P-3**	**New interim AEGL-2, AEGL-3**
2333	Phosacetim	4104-14-7	0.75	2	3.7	3.7	mg/m^3		
2334	Phosfolan	947-02-4	1.5	5	9	9	mg/m^3		
2335	**Phosgene**	**75-44-5**	0.1	0.1	**0.30**	**0.75**	ppm		**Final AEGL-2, -3**
2336	**Phosgene oxime**	**1794-86-1**	0.0075	**0.028**	**0.083**	**13**	mg/m^3	**New addition**	New interim **AEGL-1, -2, -3**
2337	Phosmet	732-11-6	0.025	0.075	0.54	40	mg/m^3		
2338	Phosphamidon; (Famfos)	13171-21-6	0.06	0.15	0.3	60	mg/m^3		
2339	**Phosphine**	**7803-51-2**	0.3	1	**2.0**	**3.6**	ppm		**Final AEGL-2, -3**
2340	Phosphomolybdic acid	11104-88-4	0.833	2.5	4.17	500	mg/m^3		TSCA listed, no toxicity or pchem data found. SG and HR ex SRS. Soluble Mo compound limits
2341	Phosphonic acid	13598-36-2	0.006	0.015	0.125	500	mg/m^3		
2342	Phosphonic acid, dioctadecyl ester	19047-85-9	0.02	0.06	0.4	2	mg/m^3		**SAR**
2343	Phosphonic acid, methyl-, mono(1-methylethyl) ester; (Isopropyl methylphosphonic acid)	1832-54-8	30	75	500	500	mg/m3	**New addition**	IRIS NOAEL = 279 mg/kg-day, rat oral LD50 = 7650 mg/kg for males and 6070 mg/kg fo females.
2344	Phosphonic acid, tridodecyl ester	3076-63-9	12.5	40	250	500	mg/m^3		Rat oral LD > 3160 mg/kg
2345	Phosphonoacetic acid	4408-78-0	0.75	2.5	15	75	mg/m3	**New addition**	

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2346	Phosphoric acid	7664-38-2	1	3	500	500	mg/m^3		
2347	Phosphoric acid, dimethyl-p-(methylthio)phenyl ester	3254-63-5	1.25	4	7	7	mg/m^3		
2348	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	1	3	500	500	mg/m^3		TSCA and ChemFinder listed with no pchem or toxicity data. Assumed phosphoric acid limits.
2349	Phosphorous pentafluoride	7647-19-0	0.644	1.93	3.22	64.4	ppm		Changed "Y" to "N"
2350	Phosphorous trifluoride	7783-55-3	1.07	3.22	5.37	107	ppm		Changed "Y" to "N"
2351	Phosphorus (red)	7723-14-0	0.05	0.4	3	4	mg/m^3	P-1, P-3	
2352	Phosphorus (yellow); (White phosphorus)	12185-10-3	0.1	0.2	1.5	5	mg/m^3	P-2, P-3	HSDB, RTECS, SAX all have CASRN = 7723-14-0 for both forms, but have different toxicity values.
2353	**Phosphorus oxychloride**	**10025-87-3**	0.1	0.479	0.479	**0.85**	ppm		**Interim AEGL-3.**
2354	Phosphorus pentachloride	10026-13-8	1	3	20	70	mg/m^3		
2355	Phosphorus pentasulfide	1314-80-3	1	3	50	250	mg/m^3		
2356	**Phosphorus pentoxide**	**1314-56-3**	1	**1**	**10**	**50**	mg/m^3		**ERPG-1, -2, -3**
2357	**Phosphorus trichloride**	**7719-12-2**	0.34	**0.34**	**2.0**	**5.6**	ppm		**Interim AEGL-1, -2, -3**
2358	Phosphorus trioxide	1314-24-5	0.4	1.25	7.5	40	mg/m^3		No toxicity data found, LC50 based on SAX HR
2359	Phthalic acid	88-99-3	0.02	0.06	0.5	500	mg/m^3		
2360	Phthalic acid, benzyl butyl ester; (Benzyl butyl phthalate)	85-68-7	5	100	500	500	mg/m^3	P-1	OEL-STEL, Sweden, June 2005
2361	Phthalic anhydride	85-44-9	12	12	12	60	mg/m^3	P-2	
2362	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	0.1	0.3	2	10	ppm		TSCA listed, no toxicity data found. HHR =3 from MSDS.

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2363	Phyllomedusin	26145-48-2	10	30	50	250	mg/m^3		Not found in databases. PNOS default used.
2364	Physostigmine	57-47-6	0.75	2.5	4.5	4.5	mg/m^3		
2365	Physostigmine salicylate (1:1)	57-64-7	0.5	1.5	2.5	2.5	mg/m^3		
2366	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	10	35	150	150	mg/m^3		HC&P pchem data
2367	Picric acid	88-89-1	0.1	0.3	15	75	mg/m^3		
2368	Picrotoxin	124-87-8	3	7.5	15	15	mg/m^3		
2369	Pigment green 36	14302-13-7	15	50	350	500	mg/m^3		
2370	Pigment yellow 13; (Butanamide, 2,2'-((3,3'-dichloro(1,1'-biphenyl)-4,4'-diyl)bis(azo))bis(N-(2,4-dimethylphenyl)-3-oxo-)	5102-83-0	75	250	500	500	mg/m^3		
2371	Pigment yellow 14	5468-75-7	20	60	400	500	mg/m^3		
2372	Pigment yellow 36; (Zinc chromate)	13530-65-9	0.0174	0.4	2.5	52.3	mg/m^3	T-0, P-1, P-2, P-3	
2373	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	5	15	100	500	ppm	T-0, P-1, P-2, P-3	
2374	Pinacolyl alcohol; (tert-Butyl methyl carbinol)	464-07-3	250	750	750	750	ppm		
2375	Piperazine	110-85-0	2	6	40	500	mg/m^3		
2376	**Piperidine**	**110-89-4**	1	**6.6**	**33**	**110**	ppm		**Interim AEGL-1, -2, -3**
2377	Piperonyl butoxide	51-03-6	100	300	500	500	mg/m^3		
2378	Pirimifos-ethyl	23505-41-1	5	15	25	60	mg/m^3		
2379	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	10	30	50	250	mg/m^3		TSCA listed, no toxicity data, no MSDS found, assumed non-volatile.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2380	Platinum	7440-06-4	1	3	4	4	mg/m^3		
2381	Platinum cyanide	592-06-3	0.00253	0.0076	0.0127	5.07	mg/m^3		
2382	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO; Hydrogenated trimer and tetramer of decene)	68649-12-7	2.5	7.5	50	250	mg/m^3		
2383	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8	15	50	400	500	mg/m^3		
2384	Poly(1-vinyl-2-pyrrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8	100	300	500	500	mg/m^3		RTECS 9 listings, used "homopolymer".
2385	Poly(acrylamide-co-diallyldimethylammonium chloride)	26590-05-6	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found.
2386	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	75	250	500	500	mg/m^3		TSCA listed, no toxicity data found, HHR =1 estimated.
2387	Poly(dimethylsiloxane), hydride terminated	70900-21-9	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found.
2388	Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated	68083-19-2	60	200	500	500	mg/m^3		RTECS rat LD50 > 16 mL/kg. No pchem data found, SG = 1 assumed.
2389	Poly(divinylbenzene); (Diethenylbenzene homopolymer)	9003-69-4	7.5	25	150	500	mg/m^3		No toxicity data but MSDS HHR = 2. Name changed.
2390	Poly(ethylene glycol methyl ether)	9004-74-4	75	250	500	500	mg/m^3		Lowest MW and most toxic of three entries chosen, assumed SG - 1.
2391	Poly(ethylene glycol)diacrylate	26570-48-9	1.5	5	35	150	mg/m^3		TSCA listed, no toxicity or pchem data found, HHR = 3 in MSDS.
2392	Poly(melamine-co-formaldehyde), methylated	68002-20-0	60	150	500	500	mg/m^3		MW average.

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2393	Poly(oxy-1,2-ethanediyl), alpha-(4-octylphenyl)-omega-hydroxy-; (Polyethylene glycol mono(p-octylphenol)ether)	26636-32-8	3	7.5	60	300	mg/m^3		
2394	Poly(oxyethylene)(2) stearyl ether	9005-00-9	7.5	20	150	500	mg/m^3		Most toxic of three RTECS entries used.
2395	Poly(styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	10	30	50	250	mg/m^3		TSCA listed, no pchem or toxicity data found.
2396	Poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-(2-aminomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1); (Polyoxypropylene polyamine)	39423-51-3	10	30	50	250	mg/m^3		Name changed, no toxicity or pchem data found.
2397	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	10	30	200	500	mg/m^3		MW = 111 x n
2398	Polybutyl acrylate	9003-49-0	10	30	50	250	mg/m^3		No toxicity data found.
2399	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	12.5	40	300	500	mg/m^3	**T-0, P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.
2400	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	15	50	400	500	mg/m^3	**T-0, P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.
2401	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	3	7.5	60	500	mg/m^3	**T-0, P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.
2402	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	3	7.5	60	500	mg/m^3	**T-0, P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.
2403	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	1	1	1	500	mg/m^3	**P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.
2404	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	3	7.5	60	500	mg/m^3	**T-0, P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2405	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	0.5	35	250	400	mg/m^3	**P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.
2406	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	0.4	1.25	7.5	500	mg/m^3	**T-0, P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.
2407	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl))	z-0043	0.4	1.25	7.5	500	mg/m^3	**T-0, P-1, P-2, P-3**	Used Aroclor 60% Cl. LANL CASRN not used since it is for 60% Cl IDLH suppressed because it is out of line with the toxicity data.
2408	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	0.6	1.5	12.5	500	mg/m^3	**T-0, P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.
2409	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	0.0125	0.04	0.3	500	mg/m^3	**T-0, P-1, P-2, P-3**	IDLH suppressed because it is out of line with the toxicity data.
2410	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	0.04	0.125	0.75	500	mg/m^3	**T-0, P-1, P-2, P-3**	MW range = 292-361 IDLH suppressed because it is out of line with the toxicity data.
2411	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	7.5	25	150	500	mg/m^3		Rat ip LD50
2412	Polyether polyol ester	z-0112	15	50	350	500	mg/m^3		Listed in RTECS, no CASRN or pchem data.
2413	**Polyethylbenzene residue; (Dowtherm Q)**	**68987-42-8**	1	3	**19.2**	100	ppm		**ERPG-2 only (150 mg/m^3)**
2414	Polyethylene	9002-88-4	1.25	4	30	500	mg/m^3		
2415	Polyethylene glycol	25322-68-3	10	60	500	500	mg/m^3		
2416	Polyethylene glycol 20M	37225-26-6	350	500	500	500	mg/m^3		No toxicity data, CASRN 37225-26-6, SAX PJT000 data used.
2417	Polyethylene glycol dimethacrylate	25852-47-5	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2418	Polyglycol 15-200; (Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1); Calthane NF and ND "B")	9082-00-2	40	125	500	500	mg/m^3		
2419	Polyisocyanate prepolymer (based on MDI)	z-0115	0.6	1.5	12.5	60	mg/m^3		Used "… -hexamethalene-1,6-diisocyanate-based-", RTECS NQ9190000
2420	Polymaleic acid; (2-Butenedioic acid (2Z)-, homopolymer)	26099-09-2	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found.
2421	Polymerized linseed oil	67746-08-1	7.5	25	150	500	mg/m^3		TSCA listed. No toxicity or pchem data found. No MSDS found. SRS HHR = 2.
2422	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	0.05	0.15	40	200	mg/m^3	T-0, P-1	
2423	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2	10	30	50	250	mg/m^3		TSCA and ChemFinder listed, no pchem or toxicity data found.
2424	Polymethylmethacrylate; (Lucite)	9011-14-7	5	15	100	500	mg/m^3		
2425	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0	1	3	20	100	mg/m^3		
2426	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	3	7.5	60	500	mg/m^3		Polysorbate 20 same CASRN, less toxic.
2427	Polyoxyethylene monooctylphenyl ether	9036-19-5	15	50	350	500	mg/m^3		
2428	Polyoxyethylene sorbitan monopalmitate; (Tween 40)	9005-66-7	12.5	40	250	500	mg/m^3		No pchem data found.
2429	Polyphosphoric acid	8017-16-1	1.5	5	40	200	mg/m^3		No toxicity data, based Ts on MSDS data
2430	Polypropylene	9003-07-0	12.5	40	250	500	mg/m^3		SAX PKI250 has same CASRN for "combustion products", tox. data not used
2431	Polypropylene glycol, (chloromethyl) oxirane polymer	9072-62-2	7.5	25	150	500	mg/m^3		Rat oral LD50 > 2 g/kg. No MSDS found.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2432	Polypropylene glycol, polytetramethylene glycol, 1,3-diisocyanatomethylbenzene polymer	65636-36-4	10	30	50	250	mg/m^3		Polyurethane prepolymer of MDI + polyether polyol deleted, does not match MF, MW, CASRN. No toxicity or pchem data found.
2433	Polypropylene glycols	25322-69-4	10	30	200	500	mg/m^3		RTECS has 16 listings, used PPG 425.
2434	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6	10	30	200	500	mg/m^3		
2435	Polysorbate 85; (Tween 85)	9005-70-3	75	250	500	500	mg/m^3		No toxicity data found.
2436	Polystyrene resin; (Styrene polymer)	9003-53-6	1.25	3.5	25	500	mg/m^3	**T-0, P-1, P-2, P-3**	
2437	Polysulfone resin	25135-51-7	10	30	50	250	mg/m^3		Not found in databases.
2438	Polytetrafluoroethylene; (Teflon)	9002-84-0	3.5	10	60	350	mg/m^3		
2439	Polyurethane foam; (Urethane polymers)	9009-54-5	1.5	5	40	200	mg/m^3	**T-0, P-1, P-2, P-3**	
2440	Polyurethane prepolymer of MDI and PEP	68092-58-0	10	30	50	250	mg/m^3		Listed in TSCA, no pchem or toxicity data.
2441	Polyvinyl alcohol	9002-89-5	40	125	500	500	mg/m^3		
2442	Polyvinyl chloride	9002-86-2	1	3	40	200	mg/m^3		
2443	Potassium	7440-09-7	0.075	0.2	1.5	300	mg/m^3		
2444	Potassium acetate	127-08-2	12.5	40	250	500	mg/m^3		
2445	Potassium acid fluoride	7789-29-9	5.14	15.4	25.7	500	mg/m^3		
2446	Potassium aluminate	12003-63-3	2	6	10	50	mg/m^3	**T-0, P-1, P-2, P-3**	No toxicity data found As soluble aluminum compounds
2447	Potassium aluminite	z-0044	2.5	7.5	12.5	500	mg/m^3		**SAR**
2448	Potassium aluminosilicate	1327-44-2	5	30	50	500	mg/m^3		**SAR**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2449	Potassium antimonate; (Antimony potassium oxide)	29638-69-5	1.05	3.15	5.26	105	mg/m^3		No toxicity data found.
2450	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	1.08	3.24	5.4	108	mg/m^3		Used H&N MW & MF for this CASRN. KSbO3 not found.
2451	Potassium antimonite	z-0045	0.94	2.82	4.7	94	mg/m^3		
2452	Potassium argentate	z-0046	0.0168	0.0503	0.0839	16.8	mg/m^3		
2453	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	0.024	0.35	2.5	12	mg/m^3		MW and MF differ by one H in RTECS, HSDB, etc.
2454	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	0.0195	0.0585	6	9.74	mg/m^3		Arsenous acid and salts as As, exposure limits
2455	Potassium beryllium oxide	z-0047	4.00E-04	0.006	0.04	32	mg/m^3	**T-0, P-1, P-2**	PEL-TWA suppressed
2456	Potassium bicarbonate	298-14-6	12.5	35	60	500	mg/m^3		TSCA MF = C-H2-O3.K; both H&N and HC&P same as SAX; no toxicity data found. **SAR**
2457	Potassium bi-iodate	13455-24-8	4	12.5	75	400	mg/m^3		TSCA listed, No pchem data found, MSDS toxicity data.
2458	Potassium bismuthate	12589-75-2	1.25	4	25	200	mg/m^3		RTECS CASRN, with mw = 296.08, MF = Bi-O3.K., lists both LD50 & TDlo. SAR
2459	Potassium bisulfate	7646-93-7	10	30	200	500	mg/m^3		
2460	Potassium bromate	7758-01-2	0.1	0.3	60	60	mg/m^3		
2461	Potassium bromide	7758-02-3	12.5	40	250	500	mg/m^3		
2462	Potassium cadminate	z-0048	0.0115	0.069	0.115	20.7	mg/m^3		MF based on MW.
2463	Potassium carbonate	584-08-7	1.5	5	35	500	mg/m^3	**T-0, P-1, P-2**	
2464	Potassium chlorate	3811-04-9	12.5	40	300	350	mg/m^3		
2465	Potassium chloride	7447-40-7	1.5	5	15	15	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2466	Potassium chromate(VI)	7789-00-6	0.0187	2	12.5	56	mg/m^3	P-1, P-2	Incomplete human data ignored
2467	Potassium citrate	866-84-2	1.25	4	30	150	mg/m^3		Toxicity data from SAX
2468	Potassium citrate, monohydrate	6100-05-6	10	30	50	250	mg/m^3		Not found in databases
2469	Potassium columbate; (Potassium niobate)	12030-85-2	12.5	35	250	500	mg/m^3		
2470	**Potassium cyanide**	**151-50-8**	5.3	**5.3**	**19**	**40**	mg/m^3	T-0, P-1, P-2, P-3	New interim **AEGL-1, -2, -3**
2471	Potassium dichromate	7778-50-9	0.0141	4	30	42.4	mg/m^3	P-1, P-2	Incomplete human TCLo data ignored
2472	Potassium dideuterium phosphate	13761-79-0	40	100	500	500	mg/m^3	T-0, P-1, P-2, P-3	ChemFinder MF = D2KO4P MW = 138.08936
2473	Potassium ferricyanide	13746-66-2	5.9	17.7	30	500	mg/m^3		
2474	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	11.8	35.4	59	59	mg/m^3		"Trihydrate" removed from name MF, CASRN and MW are correct
2475	Potassium fluoride	7789-23-3	7.65	7.65	30	500	mg/m^3	P-1, P-2	
2476	Potassium fluoride dihydrate	13455-21-5	12.4	37.2	61.9	500	mg/m^3		
2477	Potassium formate	590-29-4	20	60	500	500	mg/m^3		
2478	Potassium glycolate	1932-50-9	7.5	20	150	750	ppm		SAR
2479	Potassium gold cyanide	554-07-4	27.7	83	138	138	mg/m^3		No toxicity or pchem data found, MW and MF ex ChemFinder.
2480	Potassium hexacyanoferrate(II) trihydrate; (Potassium ferricyanide trihydrate)	14459-95-1	13.5	40.6	67.6	67.6	mg/m^3		
2481	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-, dipotassium)	16871-90-2	0.4	1.25	7.5	60	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2482	Potassium hydride	7693-26-7	1.5	5	35	150	mg/m^3		No toxicity data found.
2483	Potassium hydrogen lead oxide	z-0049	0.06	0.06	0.06	125	mg/m^3		**SAR**
2484	Potassium hydrogen metasilicate	z-0051	10	30	50	250	mg/m^3		Not found in databases. MF changed.
2485	Potassium hydrogen pyrophosphate	z-0050	4	12.5	20	400	mg/m^3		**SAR**
2486	Potassium hydroxide	1310-58-3	0.1	0.3	2	125	mg/m^3		
2487	Potassium iminodiacetate; (Potassium IDA)	z-0052	4	12.5	100	500	ppm		Disodium iminodiacetate is CASRN 928-72-3, MW = 177.08. MW does not match MF. SAR
2488	Potassium iodate	7758-05-6	20	60	60	60	mg/m^3		
2489	Potassium iodide	7681-11-0	0.25	0.75	6	300	mg/m^3		
2490	Potassium lanthanate	z-0053	0.4	1.25	2.5	2.5	mg/m^3		**SAR**
2491	Potassium metaarsenite; (Potassium arsenite)	10124-50-2	0.0533	2	14	26.7	mg/m^3		Used RTECS, Sax, H&N, TSCA CASRN, MW, MF; HSDB MW = 253.949
2492	Potassium metaborate	13709-94-9	12.5	35	250	500	mg/m^3		CASRN ex LANL added, TSCA MF, MW used. **SAR**
2493	Potassium molybdate	13446-49-6	1.24	3.72	6.21	500	mg/m^3		
2494	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	2.88	2.88	3	28.8	mg/m^3		
2495	Potassium nickelate (liquids)	z-0055	3.49	3.49	3.5	34.9	mg/m^3		
2496	Potassium nickelate (solids)	z-0056	3.49	3.49	3.5	34.9	mg/m^3		
2497	Potassium nitrate	7757-79-1	0.4	1.25	7.5	500	mg/m^3	**T-0, P-1, P-2**	SAX MW incorrect.
2498	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1	5	15	100	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2499	Potassium nitrite	7758-09-0	0.04	0.1	0.75	500	mg/m^3		
2500	Potassium orthovanadate	14293-78-8	1.5	4	30	159	mg/m^3	T-0, P-1, P-2	
2501	Potassium oxalate	583-52-8	7.5	25	150	500	mg/m^3		MF and MW from RTECS, TSCA and SAX.used but differ from HC&P, H&N, ChemFinder.
2502	Potassium oxalate monohydrate	6487-48-5	7.5	25	150	500	mg/m^3		No toxicity data found Used Potassium oxalate (583-52-8) values
2503	Potassium oxide	12136-45-7	0.1	0.3	2	125	mg/m^3		No toxicity or conc. limit data found. Used on KOH values
2504	Potassium perchlorate	7778-74-7	125	400	500	500	mg/m^3		
2505	Potassium periodate	7790-21-8	1	3	20	100	mg/m^3		Rat LC50 estimated from HR
2506	Potassium permanganate	7722-64-7	0.575	8.63	14.4	500	mg/m^3		
2507	Potassium peroxymonosulfate; (Peroxymonosulfuric acid, monopotassium salt)	10058-23-8	10	30	50	250	mg/m3	**New addition**	RTECS listed, no useful data in RTECS or MSDS
2508	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	0.1	10	60	350	mg/m^3		
2509	Potassium phosphate dibasic trihydrate	16788-57-1	300	500	500	500	mg/m^3		Not found, but K phosphate dibasic, CASRN = 7758-11-4, SAX PLQ400 toxicity used
2510	Potassium phosphate, dibasic	7758-11-4	10	30	50	250	mg/m^3		
2511	Potassium phosphate, monobasic	7778-77-0	40	100	500	500	mg/m^3	T-0, P-1, P-2	
2512	Potassium phosphate, tribasic	7778-53-2	40	100	500	500	mg/m^3	T-0, P-1, P-2	
2513	**Potassium phosphide**	**20770-41-6**	0.4	1.25	**2.0**	**3.6**	ppm		**Final AEGL-2, -3**
2514	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	125	350	500	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2515	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	10	30	50	250	mg/m^3		
2516	Potassium pyrosulfite; (Potassium metabisulfite)	16731-55-8	20	60	400	500	mg/m^3		MF and MW vary between sources.
2517	Potassium selenate	7790-59-2	0.56	1.68	2.8	2.8	mg/m^3		
2518	Potassium selenite	10431-47-7	0.52	1.56	2.6	2.6	mg/m^3		TSCA MF = 2K.H2SeO3
2519	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	10	30	50	250	mg/m^3		Listed in HSDB and TSCA
2520	Potassium silver cyanide	506-61-6	0.0184	2.5	18.4	18.4	mg/m^3		
2521	Potassium stannate	12142-33-5	2.5	7.5	12.5	125	mg/m^3		**SAR** Potassium stannate trihydrate has CASRN = 12125-03-0 mu iv LD50, and Sn cmpnd limits, Ts are 4, 12.5, 20, 150
2522	Potassium strontium phosphate	53201-92-6	10	30	50	500	mg/m^3		**SAR**
2523	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	2	6	40	500	mg/m^3		
2524	Potassium sulfite	10117-38-1	7.5	25	150	500	mg/m^3		HSDB oral lethal dose range 0.5 to 5 g/kg. MF and MW vary between sources.
2525	Potassium tellurate	15571-91-2	0.211	0.634	1.06	52.9	mg/m^3		TSCA MF = 2K-Te-H2-O4.
2526	Potassium tellurite	7790-58-1	0.199	0.597	3.5	49.7	mg/m^3		
2527	Potassium tetrafluoroborate(1-)	14075-53-7	4.14	12.4	20.7	414	mg/m^3	**P-1, P-2**	Fluoride exposure limits
2528	Potassium tetraphenylborate	3244-41-5	1	3	5	25	mg/m^3		TWA data from MSDS
2529	Potassium thiocyanate	333-20-0	12.5	35	60	60	mg/m^3		
2530	Potassium trihydrogen silicate	z-0058	10	30	50	250	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2531	Potassium tungstate (liquids)	7790-60-5a	1.77	5.32	5.32	5.32	mg/m^3		As soluble tungsten compunds
2532	Potassium tungstate (solids)	7790-60-5b	8.87	17.7	17.7	17.7	mg/m^3	T-0, P-1, P-2, P-3	As insoluble tungsten compounds
2533	Potassium uranyl carbonate	z-0059	0.492	1.18	4	19.7	mg/m^3		MF and MW corrected
2534	Potassium zirconate; (Potassium zirconium oxide; Dipotassium zirconate)	12030-98-7	11.9	23.8	23.8	59.6	mg/m^3	P-2, P-3	Synonyms changed
2535	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	1.5	5	35	150	mg/m^3		LD50 estimated Databases have different MF
2536	Praseodymium	7440-10-0	1.5	5	35	150	mg/m^3		No toxicity data found.
2537	Praseodymium nitrate	10361-80-5	7.5	20	150	500	mg/m^3		
2538	Praseodymium oxide	12036-32-7	7.5	25	150	500	mg/m^3		No toxicity data found, rat oral LD50 estimated from other Pr compounds
2539	Praseodymium(III,IV) oxide	12037-29-5	20	60	400	500	mg/m^3		RTECS rat LD50 > 5 g/kg' no pchem data found.
2540	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	3	10	16	25	mg/m^3		
2541	Propanamine, 1-; (Propylamine)	107-10-8	15	50	250	250	ppm		
2542	**Propane**	**74-98-6**	1,000	***5500***	***17000***	***33000***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note
2543	Propane sultone, 1,3-	1120-71-4	0.15	0.5	3.5	250	mg/m^3	T-0, P-1, P-2, P-3	
2544	Propanediamine, 1,2-	78-90-0	7.5	25	200	500	mg/m^3		
2545	Propanediamine, 1,3-	109-76-2	0.2	0.6	4	40	ppm		
2546	**Propanedinitrile; (Malononitrile)**	**109-77-3**	3	3	**4.9**	**10**	ppm		**Interim AEGL-2, -3**
2547	Propanediol, 1,3-	504-63-2	20	60	400	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2548	Propanediol, 2,2-dimethyl-1,3-	126-30-7	50	150	1,000	***5,000***	ppm		Toxicity data corrected.
2549	Propanethiol; (n-Propylmercaptan)	107-03-9	0.025	0.075	0.5	750	ppm		
2550	Propanol, zirconium(4+) salt, 1-	23519-77-9	18	35.9	35.9	89.8	mg/m^3	P-2, P-3	Not found in databases
2551	**Propargyl alcohol**	**107-19-7**	1	**2.5**	**16**	**74**	ppm		**Interim AEGL-1, -2, -3**
2552	Propargyl bromide	106-96-7	0.03	0.03	0.03	20	mg/m^3		
2553	Propiolactone, b-	57-57-8	0.5	0.509	5.09	15	ppm		
2554	**Propionaldehyde**	**123-38-6**	20	**45**	**260**	**840**	ppm		**Interim AEGL-1, -2, -3**
2555	Propionic acid	79-09-4	10	15	15	350	ppm		
2556	Propionic acid, 3-ethoxy-, ethyl ester; (Ethyl-3-ethoxypropionate)	763-69-9	100	100	125	125	ppm	T-0, P-1, P-2, P-3	rat LC50 minimum
2557	Propionic acid, sodium salt	137-40-6	15	50	350	500	mg/m^3		
2558	Propionic anhydride	123-62-6	10	30	200	500	mg/m^3		
2559	**Propionitrile; (Propiononitrile)**	**107-12-0**	6	6	**7.0**	**37**	ppm		**Interim AEGL-2, -3**
2560	Propionyl chloride	79-03-8	0.075	0.2	1.5	7.5	ppm		
2561	Propoxur	114-26-1	0.5	1.5	2.5	20	mg/m^3	P-2	
2562	Propoxypropanol, n-; (Propylene glycol monpropyl ether)	30136-13-1	1.25	4	25	125	ppm		
2563	Propyl acetate, n-	109-60-4	200	250	250	***1,700***	ppm		See LEL formatting note.
2564	Propyl alcohol, n-; (n-Propanol)	71-23-8	200	250	250	800	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2565	**Propyl chloroformate; (Propyl chlorocarbonate)**	**109-61-5**	0.75	2	**3.7**	**11**	ppm		**Interim AEGL-2, -3**
2566	Propyl nitrate	627-13-4	25	40	100	500	ppm		
2567	Propyl-1-butanamine, N-	20193-21-9	15	50	350	500	mg/m^3		SAR
2568	Propylbenzene, n-; (Isocumene)	103-65-1	6	15	125	***5,000***	ppm	T-0, P-1, P-2, P-3	See LEL formatting note.
2569	Propylene carbonate, 1,2-	108-32-7	5	15	100	500	mg/m^3	T-0, P-1, P-2, P-3	
2570	**Propylene glycol dinitrate**	**6423-43-4**	0.05	**0.17**	**1.0**	**13**	ppm		**Final AEGL-1, -2, -3** Component of "Otto fuel"
2571	**Propylene glycol monomethyl ether acetate, alpha-isomer; (1-Methoxypropyl-2-acetate)**	**108-65-6**	50	**50**	**1000**	***5000***	ppm		**New ERPG-1, -2, -3**
2572	**Propylene glycol monomethyl ether acetate, beta-isomer; (2-Methoxypropoyl-1-acetate)**	**70657-70-4**	5	**50**	**1000**	***5000***	ppm		**New ERPG-1, -2, -3**
2573	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	107-98-2	100	150	150	1,250	ppm	P-2, P-3	
2574	Propylene glycol mono-n-butyl ether; (3-Butoxy-1-propanol)	10215-33-5	15	40	300	500	ppm	T-0, P-1	Density assumed to be 1 mg/µL
2575	Propylene glycol; (1,2-Propanediol)	57-55-6	10	10	10	500	mg/m^3		
2576	**Propylene oxide; (Methyl ethylene oxide)**	**75-56-9**	2	**73**	**290**	**870**	ppm		**Interim AEGL-1, -2, -3** PEL-TWA ignored.
2577	Propylene; (1-Propene)	115-07-1	500	1,500	***10,000***	***20,000***	ppm		See LEL formatting note.
2578	**Propyleneimine, 1,2-**	**75-55-8**	0.2	0.4	**12**	**23**	ppm	T-0	**Interim AEGL-2, -3** Suppressed PEL-TWA
2579	**Propyltrichlorosilane**	**141-57-1**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**
2580	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	0.35	1	1.7	7.5	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2581	Pump oil	64742-65-0	100	300	500	500	mg/m^3		
2582	Pyrene	129-00-0	0.075	0.25	1.7	15	mg/m^3	T-0, P-1, P-2	
2583	Pyrethrin 1; (Cyclopropaneacrylic acid, 2,2-dimethyl-3-(2-methylpropenyl)-, ester with 4-hydroxy-3-methyl-2-(2,4-pentadienyl)-2-cyclopenten-1-one)	121-21-1	1	3	20	100	mg/m^3	T-0, P-1, P-2	Finland TWA
2584	Pyridine	110-86-1	1	3	5	1,000	ppm		Suppressed PEL-TWA
2585	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	12.5	40	250	500	mg/m^3		
2586	Pyridine-d5	7291-22-7	1	3	5	1,000	ppm		Not listed in databases MSDS toxicity and pchem data Used pyridine (110-86-1) values
2587	Pyriminil; (Pyriminyl)	53558-25-1	1.25	3.5	6.2	20	mg/m^3		
2588	Pyrogallic acid	87-66-1	0.75	2.5	15	25	mg/m^3		
2589	Pyromellitic acid	89-05-4	1.25	3.5	25	125	mg/m^3		
2590	Pyroxylin; (Cellulose tetranitrate)	9004-70-0	20	60	400	500	mg/m^3		
2591	Pyrrole; (Imidole)	109-97-7	0.035	0.1	0.75	4	ppm		
2592	Pyrrolidine	123-75-1	5	15	100	500	mg/m^3		
2593	Pyrrolidinone, 2-	616-45-5	1	3	20	40	ppm		
2594	Pyruvate kinase	9001-59-6	2.5	7.5	50	500	mg/m^3		No data found. Glycolytic enzyme toxicity based on Kinase (9039-53-6) and Pyruvic acid (127-17-3)

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2595	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	1.5	5	35	150	mg/m^3		
2596	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, chlorides; (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides)	70750-47-9	1.5	5	35	150	mg/m^3		Inserted new name. RTECS, TSCA, ChemFinder listed, no data. MSDS toxicity data.
2597	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, nitrates (salts); (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates)	71487-00-8	1.5	5	35	150	mg/m^3		Inserted new name. TSCA listed, no data. MSDS toxicity data based on similar material.
2598	Quinhydrone	106-34-3	0.3	0.75	6	30	mg/m^3		
2599	Quinoline	91-22-5	1.00E-03	0.6	5	25	ppm		
2600	Quinolinol, 8-	148-24-3	2.5	7.5	50	500	mg/m^3		
2601	Red Arrow Insect Spray	z-0117	3.5	10	60	200	mg/m^3		Calculated from TEELs of six component fractions ex MSDS.
2602	Resorcinol	108-46-3	10	20	20	20	ppm		
2603	Rexyn I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quaternized, hydroxide)	69011-49-0	10	30	50	250	mg/m^3		TSCA listed, MW is for x = 1. No toxicity data found. SG ex MSDS.
2604	Rhenium hexafluoride	10049-17-9	6.58	19.8	32.9	500	mg/m^3		TSCA, HC&P listed. No toxicity data found.
2605	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	1	3	5	25	mg/m^3	**T-0, P-1, P-2, P-3**	Sol tungsten limits used, but used "N" not "Y"
2606	Rhodium	7440-16-6	0.1	3	5	100	mg/m^3		

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2607	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a	0.00131	0.075	0.5	2.6	mg/m^3		Liquid treated as soluble.
2608	Rhodium oxide (solids); (Rhodium((IV) oxide)	12137-27-8b	0.131	3.93	6.56	131	mg/m^3		Solids treated as insoluble.
2609	Rhodium(III) hydroxide (liquids)	21656-02-0a	0.0015	0.075	0.6	2.99	mg/m^3		Liquid treated as soluble.
2610	Rhodium(III) hydroxide (solids)	21656-02-0b	0.15	4.49	7.5	150	mg/m^3		Solids treated as insoluble.
2611	Rhodium(III) oxide (solids)	12036-35-0	0.123	3.7	6.17	123	mg/m^3		
2612	Riboflavine	83-88-5	7.5	25	150	500	mg/m^3		
2613	Ribonuclease T1	9026-12-4	10	30	50	250	mg/m^3		No toxicity data. PNOS option used.
2614	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	0.1	0.3	40	40	mg/m^3		Suppressed very high human skin TCLo
2615	Rotenone	83-79-4	5	15	25	125	mg/m^3		IDLH suppressed >> human LD50 & human LDLo
2616	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	87.9	87.9	453	1,100	ppm	T-0, P-1, P-2, P-3	CASRN = 8030-30-6 in SAX & HSDB.
2617	Rubidium	7440-17-7	5	15	100	500	mg/m^3		
2618	Rubidium bromide	7789-39-1	10	30	50	250	mg/m^3		
2619	Rubidium chloride	7791-11-9	0.015	0.05	0.35	500	mg/m^3		
2620	Rubidium hydroxide	1310-82-3	2.5	7.5	50	250	mg/m^3		
2621	Rubidium nitrate	13126-12-0	20	60	400	500	mg/m^3		
2622	Ruthenium	7440-18-8	10	30	50	250	mg/m^3		
2623	Ruthenium trichloride	10049-08-8	1.5	4	30	150	mg/m^3		
2624	Ruthenium(IV) oxide	12036-10-1	4	12.5	15	15	mg/m^3		
2625	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	5	15	100	500	mg/m^3		

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2626	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	7.5	20	39	400	mg/m^3		
2627	Salicylaldehyde	90-02-8	0.6	1.5	12.5	200	mg/m^3		
2628	Salicylic acid	69-72-7	0.3	0.75	6	400	mg/m^3		
2629	Salicylic acid, monoammonium salt	528-94-9	1.5	4	30	500	mg/m^3		No pchem data found.
2630	Salicylic acid, phenyl ester	118-55-8	4	12.5	75	500	mg/m^3		
2631	Samarium	7440-19-9	10	30	50	250	mg/m^3		No toxicity data found.
2632	Samarium nitrate	10361-83-8	7.5	25	150	500	mg/m^3		
2633	Samarium(II) iodide solution	32248-43-4	7.5	25	150	500	mg/m^3		Not found in databases. HRR = 2 from MSDS.
2634	Samarium(III) chloride hexahydrate	13465-55-9	12.5	40	250	500	mg/m^3		Not found in databases. ChemFinder MF, MW, MSDS toxicity data.
2635	Samarium(III) oxide	12060-58-1	20	60	400	500	mg/m^3		Rat oral LD50 > 5 g/kg
2636	Saxitoxin	35523-89-8	3.50E-05	1.00E-04	6.00E-04	0.0035	mg/m^3		ChemFinder has MW = 315.3314, MF = C11.H21.N7.O4
2637	Scandium	7440-20-2	10	30	50	250	mg/m^3		TSCA listed, no toxicity data.
2638	Scandium oxide	12060-08-1	10	30	50	250	mg/m^3		No toxicity data found, PNOS used
2639	Selenious acid	7783-00-8	0.327	0.98	250	250	mg/m^3		Selenium IDLH not used.
2640	Selenium	7782-49-2	0.2	0.6	1	1	mg/m^3		
2641	Selenium dioxide	7446-08-4	0.281	3.5	6	6	mg/m^3	P-1, P-2, P-3	Selenium IDLH not used.
2642	**Selenium hexafluoride**	**7783-79-1**	0.053	**0.053**	**0.087**	**0.26**	ppm		**Interim AEGL-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2643	Selenium monosulfide	7446-34-6	0.281	0.844	12.5	15	mg/m^3		Selenium IDLH not used.
2644	Selenium oxychloride	7791-23-3	0.42	1.26	10	10	mg/m^3		Selenium IDLH not used.
2645	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	0.362	1.09	1.81	60	mg/m^3		Selenium IDLH not used.
2646	Semicarbazide hydrochloride	563-41-7	20	60	100	100	mg/m^3		
2647	Sephacryl s-200, superfine	65546-95-4	10	30	50	250	mg/m^3		Not found in databases.
2648	Sephacryl s-300	82785-74-8	10	30	50	250	mg/m^3		Not found in databases.
2649	Sephadex G-25	9041-35-4	10	30	50	250	mg/m^3		Not found in databases, PNOS option used
2650	Sepharose cl-4b	61970-08-9	10	30	50	250	mg/m^3		Not found in databases. Chromatography gel.
2651	**Silane; (Silicon tetrahydride)**	**7803-62-5**	5	**100**	**130**	**270**	ppm		**Interim AEGL-1, -2, -3**
2652	Silica amorphous hydrated	7631-86-9	6	18	100	500	mg/m^3	P-2	SAX name for this CASRN
2653	Silica gel	63231-67-4	6	18	30	500	mg/m^3		PEL = 80/% SiO2 not used; see 7631-86-9 and 112926-00-8 (Silica gel).
2654	Silica gel dessicant	1343-98-2	6	18	30	500	mg/m^3		See 7631-86-9 and 112926-00-8 (Silica gel)
2655	Silica gel, amorphous synthetic	112926-00-8	6	18	100	500	mg/m^3		TLV-TWA deleted toxicity data added
2656	Silica, amorphous fume	69012-64-2	0.3	0.9	1.5	500	mg/m^3		Rat oral LD50 > 7.9 mg/kg
2657	Silica, amorphous fumed	112945-52-5	6	18	30	500	mg/m^3		
2658	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	0.025	0.075	2	50	mg/m^3	P-2	
2659	Silicic acid	7699-41-4	0.3	10	75	400	mg/m^3		

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2660	Silicic acid, aluminum calcium sodium salt	1344-01-0	10	30	50	60	mg/m^3		HSDB, TSCA listed, no toxixity data, suspected minor eye irritation ignored. . MW is a minimum.
2661	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	7.5	25	150	500	mg/m^3		ChemFinder pchem data.
2662	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	3.16	7.5	60	316	mg/m^3	P-1, P-2, P-3	
2663	Silicon	7440-21-3	15	45	75	500	mg/m^3		
2664	Silicon carbide	409-21-2	15	45	250	500	mg/m^3		
2665	Silicon nitride	12033-89-5	10	30	50	250	mg/m^3		TSCA, HC&Plisted, no toxicity data.
2666	**Silicon tetrafluoride; (Tetrafluorosilane)**	**7783-61-1**	0.05	**0.050**	**3.3**	**10**	ppm		**Interim AEGL-1, -2, -3**
2667	Silicon(II) oxide; (Silicon oxide)	10097-28-6	10	30	50	250	mg/m^3		
2668	Siloprene k 1000	63394-02-5	35	100	500	500	mg/m^3		No pchem data found.
2669	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	6	15	125	500	mg/m^3		SAX has CASRN = 63148-62-9, teratogen
2670	Siloxanes and silicones, methyl phenyl; (Silicon Y-6607; Silicone fluid, high temp)	67762-92-9	10	30	200	500	mg/m^3	T-0, P-1, P-2, P-3	MW estimated and used toxicity data for Silicone Y-6607 (Siloxanes), 67762-92-9. CASRN changed from 63148-58-3
2671	Silver	7440-22-4	0.01	0.3	0.5	10	mg/m^3		
2672	Silver carbonate; (Silver(I) carbonate)	534-16-7	0.0128	0.0383	0.0639	12.8	mg/m^3		Solubility: 0.0036 g/100g H_2O @ 20ºC
2673	Silver chloride	7783-90-6	0.0133	0.0399	0.0664	13.3	mg/m^3		Insoluble Ag compound from HC&P 0.00019 g/ 100 g H_2O @ 25ºC

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2674	Silver cyanide	506-64-9	0.0124	0.35	2.5	12.4	mg/m^3	T-0, P-1, P-2, P-3	Insoluble Ag compound from HC&P
2675	Silver hydroxide	12673-77-7	0.0116	0.0347	0.06	11.6	mg/m^3		
2676	Silver nitrate	7761-88-8	0.0157	15.7	15.7	15.7	mg/m^3	P-1, P-2	Solubility: 234 g/100 g H2O @ 25ºC
2677	Silver nitrite; (Silver(I) nitrite)	7783-99-5	0.0143	0.0428	0.075	14.3	mg/m^3		Solubility: 0.415 g/ 100 g H2O @ 25ºC
2678	Silver oxide	20667-12-3	0.1	0.3	2	10	mg/m^3	T-0, P-1, P-2, P-3	Insoluble Ag compound from HC&P 0.0025 g/100 g H_2O
2679	Soda lime	8006-28-8	2	6	10	25	mg/m^3		CaO mixed with NaOH
2680	Sodium	7440-23-5	0.75	2	15	500	mg/m^3	T-0, P-1, P-2, P-3	
2681	Sodium acetate	127-09-3	15	40	300	500	mg/m^3		
2682	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	15	40	300	500	mg/m^3		Monohydrate CASRN 31304-44-6, SAX SEG650 (LANL pchem data differs)
2683	Sodium aluminate anhydrous; (Aluminum sodium dioxide anhydrous)	11138-49-1	6.08	18.2	30.4	150	mg/m^3	T-0, P-1, P-2, P-3	MSDS data used. Changed 'Y' to 'N'
2684	Sodium aluminate; (Aluminum sodium dioxide)	1302-42-7	6.08	18.2	30.4	150	mg/m^3		MSDS data used. Changed 'Y' to 'N'
2685	Sodium aluminosilicate	1344-00-9	3.5	10	150	500	mg/m^3		Rat oral LD50 > 27 g/kg, LC > 140 mg/m3 not used. SAR
2686	Sodium aluminum hydride	13770-96-2	3	7.5	60	300	mg/m^3		
2687	Sodium aluminum silicate	73987-94-7	3.5	10	15	500	mg/m^3		SAR
2688	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	1.01	3.04	5.07	101	mg/m^3		TSCA lists CASRN = 15432-85-6 for NaSbO3
2689	Sodium antimonite	z-0061	0.874	2.62	4.37	87.4	mg/m^3		
2690	Sodium argentate	z-0062	0.0153	0.0459	0.0764	15.3	mg/m^3		No information found Assumed soluble

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2691	Sodium arsenate	7631-89-2	0.0271	4	13.5	13.5	mg/m^3	**P-1**	REL-C suppressed
2692	Sodium arsenite	7784-46-5	0.0173	1.25	8.67	8.67	mg/m^3		REL-C suppressed
2693	Sodium azide	26628-22-8	0.2	3	20	25	mg/m^3	**P-3**	
2694	Sodium beryllium oxide	z-0063	3.11E-04	0.004	0.0311	24.9	mg/m^3	**T-0, P-1**	PEL-TWA suppressed
2695	Sodium bicarbonate	144-55-8	15	40	300	500	mg/m^3	**T-0, P-1, P-2**	Human TDLo data suppressed
2696	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	4.08	10	75	408	mg/m^3		
2697	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	15	45	75	350	mg/m^3		No toxicity data found.
2698	Sodium bismuthate	12232-99-4	1.5	5	35	150	mg/m^3		SAR TEELs 1.25, 4, 25, 200 mg/m3 not used
2699	Sodium bisulfate monohydrate	10034-88-5	0.75	2.5	15	75	mg/m^3		
2700	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	1.25	3.5	25	125	mg/m^3		
2701	Sodium bisulfite	7631-90-5	5	25	150	500	mg/m^3	**P-1, P-2**	
2702	Sodium borate decahydrate	1303-96-4	2	6	200	500	mg/m^3	**T-0, P-1**	RTECS, HSDB, TSCA, GOEV, HC&P, H&N and SAX used.
2703	Sodium borate; (Disodium tetraborate; Borates, tetrasodium salts)	1330-43-4	2	6	6	500	mg/m^3	**P-1, P-2, P-3**	RTECS, HSDB, TSCA, GOEV, HC&P, H&N used, SAX ignored.
2704	Sodium borohydride	16940-66-2	0.015	0.05	0.35	4	mg/m^3	**T-0, P-1, P-2, P-3**	Borate TLV-TWA & TLV-STEL suppressed
2705	Sodium bromate	7789-38-0	0.6	1.5	12.5	60	mg/m^3		
2706	Sodium bromide	7647-15-6	1.5	5	35	500	mg/m^3		
2707	Sodium butyl (2-ethylhexyl)phosphate	z-0064	0.02	0.06	0.4	2	mg/m^3		**SAR**
2708	Sodium butyl butylphosphonate	z-0065	0.02	0.06	0.4	2	mg/m^3		**SAR**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2709	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	1.07	1.07	4	500	mg/m^3	P-1, P-2	
2710	Sodium cadminate	z-0066	0.0101	0.0604	0.101	18.1	mg/m^3		
2711	Sodium carbonate	497-19-8	3.5	10	60	500	mg/m^3	T-0, P-1, P-2	Human TCLo data suppressed due to 1 minute exposure
2712	Sodium carbonate monohydrate	5968-11-6	1.5	5	35	150	mg/m^3		
2713	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4	0.4	1.25	7.5	500	mg/m^3		
2714	Sodium chloride	7647-14-5	15	40	300	500	mg/m^3		
2715	Sodium chlorite	7758-19-2	0.75	2.5	15	75	mg/m^3		RTECS MF and MW differ from other sources
2716	Sodium chromate decahydrate	13517-17-4	0.0329	2.5	20	98.7	mg/m^3		
2717	Sodium chromate tetrahydrate	10034-82-9	0.0291	2.5	15	87.4	mg/m^3		
2718	Sodium chromate(VI); (Disodium chromate)	7775-11-3	0.0156	1.25	7.5	46.7	mg/m^3	P-1, P-2	
2719	Sodium citrate; (Monosodium citrate)	18996-35-5	5	15	100	500	mg/m^3		
2720	Sodium cobaltinitrite	13600-98-1	0.125	0.4	3	15	mg/m^3		
2721	**Sodium cyanide**	**143-33-9**	4	**4.0**	**14**	**30**	mg/m^3	P-1, P-2, P-3	New Interim **AEGL-1, AEGL-2, AEGL-3**
2722	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	10	30	50	250	mg/m^3		No toxicity data. Ignites in air.
2723	Sodium deuteroxide	14014-06-3	0.5	0.5	5	50	mg/m^3		Not in databases, MSDS has no useful data.
2724	Sodium dichromate dihydrate	7789-12-0	0.0143	3.5	25	43	mg/m^3	P-1, P-2	
2725	Sodium dichromate; (Disodium dichromate)	10588-01-9	0.0126	20	37.8	37.8	mg/m^3		
2726	Sodium diethyldithiocarbamate trihydrate	20624-25-3	2	6	10	500	mg/m^3		

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2727	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5	2	6	250	500	mg/m^3		
2728	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	100	300	500	500	mg/m^3		HSDB data.
2729	Sodium dithionate dihydrate	7631-94-9	10	30	50	250	mg/m^3		No toxicity data; error in H&N
2730	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	4	12.5	75	200	mg/m^3		
2731	Sodium ethoxide	141-52-6	1.5	5	35	150	mg/m^3		No toxicity data found.
2732	Sodium ferrocyanide	13601-19-9	58.4	175	292	292	mg/m^3	T-0, P-1, P-2, P-3	CN exposure limits used
2733	Sodium fluoride	7681-49-4	5.53	5.53	5.53	500	mg/m^3		
2734	Sodium formate	141-53-7	40	125	500	500	mg/m^3		
2735	Sodium gluconate	527-07-1	0.6	2	15	75	mg/m^3		
2736	Sodium glycinate	6000-44-8	1	3.5	25	125	ppm		
2737	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	10	30	200	750	ppm		
2738	Sodium hexahydroxoantimonate; (Sodium antimonate)	33908-66-6	0.792	2.37	4	79.2	mg/m^3		TSCA has CASRN = 33908-66-6 for NaSb(OH)6
2739	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	10	30	50	250	mg/m^3		TSCA listed
2740	Sodium hydride	7646-69-7	0.4	1.25	7.5	40	mg/m^3		Severe skin irritant (HSDB)
2741	Sodium hydrogen lead oxide	z-0067	0.06	0.06	0.06	125	mg/m^3		SAR
2742	Sodium hydrogen metasilicate	z-0068	4	12.5	75	400	mg/m^3		SAR
2743	Sodium hydrogen pyrophosphate	z-0069	4	12.5	20	400	mg/m^3		SAR

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2744	Sodium hydrosulfite	7775-14-6	10	30	50	250	mg/m^3		
2745	**Sodium hydroxide**	**1310-73-2**	0.5	**0.5**	**5**	**50**	mg/m^3		**ERPG-1, -2, -3**
2746	Sodium hypobromite	13824-96-9	10	30	50	250	mg/m^3		Not found in available databases. MF from ExPub.
2747	Sodium hypochlorite	7681-52-9	0.6	2	50	500	mg/m^3		WEEL added, toxicity data updated.
2748	Sodium hypochlorite pentahydrate	10022-70-5	0.075	0.2	1.5	500	mg/m^3		
2749	Sodium hypophosphite	7681-53-0	6	20	125	500	mg/m^3		No pchem data found.
2750	Sodium hypophosphite hydrate	123333-67-5	6	20	125	500	mg/m^3		Used toxicity data for Na hypophosphite, CASRN = 7681-53-0
2751	Sodium iodate	7681-55-2	2	6	40	200	mg/m^3		Deleted iodine concentration limits.
2752	Sodium iodide	7681-82-5	0.75	2.5	15	500	mg/m^3		
2753	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	0.25	0.75	6	100	mg/m^3		
2754	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	15	40	300	500	mg/m^3		
2755	Sodium lanthanate	z-0070	0.4	1.25	2.5	2.5	mg/m^3		No "lanthanate" listing found **SAR**
2756	Sodium lauryl sulfate	151-21-3	5	15	100	500	mg/m^3	**T-0, P-1, P-2**	Supressed human skin toxicity data.
2757	Sodium metabisulfite	7681-57-4	5	15	25	500	mg/m^3	**P-3**	
2758	Sodium metaborate	7775-19-1	2	6	200	500	mg/m^3	**T-0, P-1**	SAX, RTECS, HSDB MF = BHO2Na, not NaBO2
2759	Sodium metaphosphate	10361-03-2	3.5	10	75	350	mg/m^3		
2760	Sodium metasilicate nonahydrate	13517-24-3	61.1	61.1	100	500	mg/m^3		Used exposure limits for silicates, as Si
2761	Sodium metasilicate pentahydrate	10213-79-3	45.3	45.3	75	350	mg/m^3		Used exposure limits for silicates, as Si

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2762	Sodium metavanadate; (Sodium vanadate)	13718-26-8	0.75	2.5	15	83.8	mg/m^3	T-0, P-1, P-2, P-3	
2763	Sodium methylate	124-41-4	7.5	25	150	500	mg/m^3		
2764	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	1.26	3.78	30	200	mg/m^3	T-0, P-1, P-2, P-3	PEL-TWA and IDLH for Mo suppressed
2765	Sodium monoxide; (Sodium oxide)	12401-86-4	0.5	0.5	5	50	mg/m^3		No toxicity data found, used NaOH concentration limits.
2766	Sodium nickel oxide (Liquid)	37367-09-2	0.233	0.699	1.16	23.3	mg/m^3		PEL-TWA suppressed
2767	Sodium nickelate (Liquids)	z-0073	0.294	0.883	1.5	29.4	mg/m^3		PEL-TWA suppressed
2768	Sodium nickelate (Solids)	z-0074	0.589	1.77	3	29.4	mg/m^3		PEL-TWA suppressed
2769	Sodium nitrate	7631-99-4	0.4	1	7.5	100	mg/m^3		
2770	Sodium nitrite	7632-00-0	0.05	0.15	1	60	mg/m^3		
2771	Sodium nitroferricyanide	14402-89-2	0.6	2	12.5	20	mg/m^3		
2772	Sodium o-benzyl-p-chlorophenate	3184-65-4	10	30	50	250	mg/m^3		
2773	Sodium orthovanadate	13721-39-6	1.25	3.5	25	126	mg/m^3	T-0, P-1, P-2	
2774	Sodium oxalate	62-76-0	0.25	0.75	6	30	mg/m^3		Suppressed rat oral TDLo data
2775	Sodium oxide; (Disodium oxide; Sodium monoxide)	1313-59-3	0.5	0.5	5	50	mg/m^3		TSCA , HC&P listed. MSDS: Amorphous powder, reacts with H2.O to form Na.OH
2776	Sodium pentachlorophenate	131-52-2	1	3.5	24	75	mg/m^3		
2777	Sodium perchlorate	7601-89-0	7.5	25	150	500	mg/m^3		
2778	Sodium perchlorate monohydrate	7791-07-3	5	15	100	500	mg/m^3		
2779	Sodium permanganate	10101-50-5	0.517	7.75	12.9	500	mg/m^3		HC&P data are for the trihydrate.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2780	Sodium peroxide	1313-60-6	0.5	0.5	5	50	mg/m^3		No toxicity data found. Used NaOH concentration limits.
2781	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	7.5	25	150	500	mg/m^3		
2782	Sodium persulfate	7775-27-1	0.1	2.5	20	100	mg/m^3		
2783	Sodium phosphate	7632-05-5	6	15	125	500	mg/m^3	T-0, P-1, P-2, P-3	Mouse LD > 100 mg/kg
2784	Sodium phosphate, dibasic	7558-79-4	60	200	500	500	mg/m^3		
2785	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	1.5	5	35	150	mg/m^3		
2786	Sodium phosphate, dibasic, heptahydrate	7782-85-6	50	150	500	500	mg/m^3		
2787	Sodium phosphate, monobasic	7558-80-7	35	100	500	500	mg/m^3		
2788	Sodium phosphate, tribasic, dodecahydrate	10101-89-0	30	75	500	500	mg/m^3		
2789	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8	25	75	500	500	mg/m^3		
2790	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	15	40	300	500	mg/m^3		
2791	Sodium phosphate, tribasic; (Trisodium phosphate)	7601-54-9	1.5	5	500	500	mg/m^3		
2792	**Sodium phosphide**	**12058-85-4**	0.4	1.25	**2.0**	**3.6**	ppm		**Final AEGL-2, -3** TSCA listed.
2793	Sodium polyphosphate	68915-31-1	12.5	40	250	500	mg/m^3		
2794	Sodium polytungstate	12141-67-2	6.77	13.5	35	150	mg/m^3		TSCA listed, no toxicity or pchem data found Suppressed "Y"
2795	Sodium potassium tartrate tetrahydrate	6381-59-5	20	60	400	500	mg/m^3		HC&N listed under CASRN 304-59-6, used HSDB toxicity data
2796	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	20	60	400	500	mg/m^3		HSDB toxicity data used.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2797	Sodium p-tert-amylphenate; (4-(1,1-Dimethylpropyl)phenol, sodium salt)	31366-95-7	10	30	50	250	mg/m^3		
2798	Sodium pyrophosphate decahydrate	13472-36-1	10	30	200	500	mg/m^3		Corrected name. Used toxicity of disodium pyrophosphate, CASRN = 7758-16-9
2799	Sodium pyrophosphate, di-	7758-16-9	10	30	200	500	mg/m^3		
2800	Sodium pyruvate; (Pyruvic acid, sodium salt)	113-24-6	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found.
2801	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	40	100	500	500	mg/m^3		
2802	Sodium selenate; (Disodium selenate)	13410-01-0	0.479	1.44	2.4	2.4	mg/m^3	**P-2, P-3**	
2803	Sodium selenite	10102-18-8	0.438	1.31	2.19	2.19	mg/m^3	**P-2, P-3**	
2804	Sodium silicate; (Sodium metasilicate)	6834-92-0	6	200	500	500	mg/m^3	**T-0**	HSDB & TSCA: MF = H2.O3.Si.2Na.
2805	Sodium stannate	12058-66-1	3.58	5	35	179	mg/m^3	**P-1, P-2**	SAR not used
2806	Sodium stearate	822-16-2	0.15	0.5	3.5	15	mg/m^3		
2807	Sodium strontium phosphate	19553-80-1	10	30	50	500	mg/m^3		**SAR**
2808	Sodium succinate	150-90-3	5	15	125	600	ppm		
2809	Sodium succinate, hexahydrate	6106-21-4	35	100	500	500	mg/m^3		Not found in databases. MF and MW from ChemFinder
2810	Sodium sulfamate	13845-18-6	7.5	25	150	500	mg/m^3		TSCA listed, estimated rat LD50 from other sulfamates
2811	Sodium sulfate, anhydrous	7757-82-6	75	200	500	500	mg/m^3		
2812	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	0.06	0.15	1.25	6	mg/m^3		
2813	Sodium sulfide	1313-82-2	0.75	2.5	15	75	mg/m^3		
2814	Sodium sulfide nonahydrate	1313-84-4	0.2	0.6	4	20	mg/m^3		HHR = 3 in MSDS.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2815	Sodium sulfite	7757-83-7	1	3	20	100	mg/m^3		
2816	Sodium tartrate dihydrate	6106-24-7	5	15	100	500	mg/m^3		Not found in databases. NFPA HHR = 1, MSDS pchem and rat LD50 data.
2817	Sodium tellurate	10101-83-4	0.186	0.559	0.931	46.5	mg/m^3	**P-3**	
2818	Sodium tellurite	10102-20-2	0.174	0.521	20	43.4	mg/m^3	**P-3**	
2819	Sodium tetrafluoroborate(1-)	13755-29-8	3.61	10.8	18.1	361	mg/m^3		
2820	Sodium Tetrahydroxoaluminate	z-0123	8.75	26.2	43.7	200	mg/m3	**New addition**	Not found in databases, assumed soluble Al compound.
2821	Sodium tetraphenyl borate	143-66-8	1.25	3.5	25	125	mg/m^3		
2822	Sodium thiosulfate	7772-98-7	35	100	500	500	mg/m^3	**T-0, P-1, P-2**	
2823	Sodium thiosulfate pentahydrate	10102-17-7	1.25	3.5	25	500	mg/m^3		
2824	Sodium titanate	12034-34-3	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found.
2825	Sodium tolyltriazole; (1H-Benzotriazole, 4(or 5)-methyl-, sodium salt)	64665-57-2	2.5	7.5	50	250	mg/m^3		TSCA listed. Toxicity data found "www.epa.gov/HPV/pubs/summaries/benzo/c13456tp.pdf"
2826	Sodium tridecylbenzene sulfonate	26248-24-8	2	6	40	200	mg/m^3		MF and MW differ in databases. No mammalian toxicity data found, HSDB probable human LD 0.5-5.0 g/kg
2827	Sodium triethylborohydride	17979-81-6	2	6	35	150	mg/m^3	**T-0, P-1, P-2**	Not found in databases, MSDS HHR = 3.
2828	Sodium trihydrogen silicate	z-0076	10	30	50	250	mg/m^3		
2829	Sodium tripolyphosphate	7758-29-4	1.25	3.5	25	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2830	Sodium tungstate	13472-45-2	1	3	3	500	mg/m^3		
2831	Sodium tungstate dihydrate	10213-10-2	1.79	5.38	15	75	mg/m^3		
2832	Sodium uranate; (Disodium uranate hexahydrate)	66018-57-3	0.39	0.935	3	15.6	mg/m^3		
2833	Sodium uranium oxide monohydrate; (Sodium uranate(VI) monohydrate)	10135-92-9	0.342	0.822	2.5	13.7	mg/m^3		Changed CASRN, but HC&P has CASRN = 13721-34-1, with MW and MF. No toxicity data found.
2834	Sodium uranyl carbonate	z-0078	0.45	1.08	3.5	18	mg/m^3		MF and MW corrected
2835	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	10.9	21.8	21.8	54.6	mg/m^3		
2836	Sodium-Potassium	11135-81-2	0.5	0.5	5	50	mg/m^3		ERPGs for NaOH used. MW for 78wt.% K and 22 wt.% Na.
2837	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7	25	75	500	500	mg/m^3		
2838	Solvent Yellow 3	97-56-3	2	6	40	500	mg/m^3		
2839	**Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate; GD)**	**96-64-0**	3.00E-05	**0.00018**	**0.0022**	**0.017**	ppm		**Final AEGL-1, -2, -3**
2840	Sorbitan monolaurate; (D-Glucitol, 1,4-anhydro-, 6-dodecanoate)	5959-89-7	10	30	50	250	mg/m^3		TSCA, H&N listed. No toxicity or pchem data found.
2841	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8	0.75	2	15	500	mg/m^3		No pchem data found.
2842	Sorbitan trioleate	26266-58-0	15	50	350	500	mg/m^3		No pchem data found.
2843	Sorbitan, monolaurate	1338-39-2	350	500	500	500	mg/m^3		No pchem data found.
2844	Sorbitan, monooleate	1338-43-8	250	500	500	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2845	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6	0.75	2.5	15	500	mg/m^3		MF and MW unknown.
2846	Sorbitan, monostearate	1338-41-6	400	500	500	500	mg/m^3		
2847	Sorbitol, D-; (D-Glucitol)	50-70-4	40	125	500	500	mg/m^3		Pchem data vary among sources
2848	Soybean oil; (Glycine soja)	8001-22-7	40	100	500	500	mg/m^3		
2849	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5	0.4	1.25	7.5	250	mg/m^3		Density not available, assumed to be 1.0.
2850	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	20	60	400	500	mg/m^3		Duplicate deleted. MSDS pchem data.
2851	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	4.39	4.39	5	219	mg/m^3		
2852	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	3.19	9.58	50	160	mg/m^3		Tin inorganic compounds, as Sn Toxicity data updated
2853	Stannous octoate	301-10-0	0.341	0.683	15	85.3	mg/m^3	P-1	TSCA listed, MSDS data.
2854	Starch dust	9005-25-8	15	30	500	500	mg/m^3		Synonym deleted, conc. dep. changed from Y to N.
2855	**Stibine; (Antimony hydride)**	**7803-52-3**	0.1	0.2	**1.5**	**9.6**	ppm		**Interim AEGL-2, -3** **ERPG-2, -3**
2856	Stilbene	588-59-0	5	15	100	500	mg/m^3		
2857	Stilbene 3; (Stilbene 420; Tinopal CBS; Disodium 4,4'-bis(2-sulfostyryl)biphenyl)	27344-41-8	0.25	0.75	6	500	mg/m^3		
2858	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	100	100	350	***3,850***	ppm		Changed units from mg/m^3 to ppm See LEL formatting note.
2859	Strontium	7440-24-6	40	125	500	500	mg/m^3		
2860	Strontium carbonate	1633-05-2	10	30	200	500	mg/m^3		HSDB and TSCA MF = C-H2-O3-Sr. SAR not used.

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Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2861	Strontium chloride	10476-85-4	7.5	20	150	500	mg/m^3		"Heptahydrate removed from name, MW and MF corrected.
2862	Strontium hydroxide	18480-07-4	0.75	0.75	20	75	mg/m^3		RTECS has some toxicity data. **SAR**
2863	Strontium nitrate	10042-76-9	3.5	10	60	500	mg/m^3	**T-0, P-1, P-2**	
2864	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	0.04	0.1	0.75	75	mg/m^3		**SAR**
2865	Strontium oxalate	814-95-9	7.5	25	60	75	mg/m^3		TSCA MF = C2-H2-O4.Sr No toxicity data found SAR
2866	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	10	30	500	500	mg/m^3		RTECS MF = H3-O4-P.xSr, MW = 448.48, x = 4. HC&P CASRN = 7446-28-8, MW = 452.80. SAR
2867	**Strontium phosphide**	**12504-13-1**	0.2	0.6	**1.0**	**1.8**	ppm		**Final AEGL-2, -3**
2868	Strontium sulfate	7759-02-6	10	30	50	250	mg/m^3		
2869	Strychnine	57-24-9	0.15	0.3	3	3	mg/m^3	**P-2**	
2870	Strychnine sulfate (2:1)	60-41-3	1	3	5	30	mg/m^3		
2871	**Styrene**	**100-42-5**	20	**20**	**130**	***1100***	ppm		**Interim AEGL-1, -2, -3**
2872	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	4	12.5	50	50	ppm		
2873	Styrene-allyl alcohol copolymer	25119-62-4	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found. No MSDS, assumed solid.
2874	Styrene-divinylbenzene resin, chloromethylated, aminated with trimethylamine; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1	10	30	50	250	mg/m^3		Name changed, CASRN changed from 81133-20-2, Listed in SAX and TSCA, no toxicity data found.
2875	Styrenesulfonate), poly(sodium 4-	25704-18-1	150	500	500	500	mg/m^3		Rat oral LD50 > 8 g/kg
2876	Succinic acid	110-15-6	7.5	25	200	500	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2877	Succinic anhydride	108-30-5	0.75	2	15	500	mg/m^3		
2878	Succinimidyl-6-(beta-maleimidopropionamido)hexanoate; (SMPH)	z-0120	10	30	50	250	mg/m^3		Not found in databases. PNOS default used.
2879	Sucrose	57-50-1	15	30	50	500	mg/m^3		
2880	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6	12.5	40	300	500	mg/m^3		
2881	Sulfamic acid	5329-14-6	12.5	40	250	500	mg/m^3		
2882	Sulfanilamide	63-74-1	1	3	20	500	mg/m^3		
2883	Sulfanilic acid	121-57-3	50	150	500	500	mg/m^3		
2884	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	10	30	50	250	mg/m^3		
2885	Sulfonylbis-ethanol, 2,2'-	2580-77-0	1.5	5	35	150	mg/m^3		Name corrected. TSCA, H&N listed, pchem data ex MSDS, no toxicity data.
2886	Sulfosalicylic acid	97-05-2	10	30	200	500	mg/m^3		
2887	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	7.5	20	150	500	mg/m^3		Not found in databases. MSDS MP and rat LD50.
2888	Sulfotep; (TEDP)	3689-24-5	0.2	0.5	3.5	10	mg/m^3		
2889	Sulfur	7704-34-9	1.25	4	30	150	mg/m^3	T-0, P-1, P-2, P-3	
2890	**Sulfur dioxide**	**7446-09-5**	0.2	**0.20**	**0.75**	**30**	ppm		**Interim AEGL-1, -2, -3** PEL-TWA suppressed
2891	Sulfur hexafluoride	2551-62-4	1,000	3,000	5,000	5,000	ppm		
2892	**Sulfur monochloride**	**10025-67-9**	0.53	**0.53**	**6.4**	**15**	ppm		**Interim AEGL-1, -2, -3**
2893	Sulfur pentafluoride	5714-22-7	0.01	0.01	0.01	1	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2894	Sulfur tetrafluoride	7783-60-0	0.1	0.3	2.08	2.08	ppm		
2895	**Sulfur trioxide**	**7446-11-9**	0.06	**0.20**	**8.7**	**160**	mg/m^3		**Interim AEGL-1, -2, -3**
2896	**Sulfuric acid**	**7664-93-9**	0.2	**0.20**	**8.7**	**160**	mg/m^3		**Interim AEGL-1, -2, -3**
2897	Sulfuric acid-d2; (Deuterosulfuric acid)	13813-19-9	0.2	0.2	8.7	160	mg/m^3		TSCA listed, no toxicity data found MBDS HHR = 3
2898	Sulfurous acid	7782-99-2	0.0125	0.04	0.3	1.5	mg/m^3		Exists only in solution
2899	**Sulfuryl chloride**	**7791-25-5**	0.1	**0.3**	**3.7**	**11**	ppm		**Interim AEGL-2, -3** **New ERPG-1, -2, -3**
2900	**Sulfuryl fluoride**	**2699-79-8**	5	10	**21**	**64**	ppm		**Interim AEGL-2, -3.**
2901	Talc	14807-96-6	2	6	75	500	mg/m^3	P-1, P-2	
2902	Tall oil (alkyd resin)	68333-62-0	10	30	50	250	mg/m^3		
2903	Tantalum	7440-25-7	5	10	200	500	mg/m^3		
2904	Tantalum carbide	12070-06-3	5.33	10.7	500	500	mg/m^3		TSCA and HSDB listed, no specific toxicity data.
2905	Tantalum(V) ethoxide	6074-84-6	10	30	50	250	mg/m^3		TSCA, HC&P listed, no toxicity data, assumed nonvolatile.
2906	Tantalum(V) fluoride	7783-71-3	7.26	21.8	36.3	500	mg/m^3		
2907	Tantalum(V) oxide	1314-61-0	6.11	12.2	60	500	mg/m^3		
2908	Tartaric acid	87-69-4	4	12.5	75	400	mg/m^3		
2909	Tartaric acid, monopotassium salt	868-14-4	150	500	500	500	mg/m^3		
2910	Tartaric acid, monosodium salt	526-94-3	15	50	400	500	mg/m^3		No pchem data found.
2911	Technetium(IV) oxide	12036-16-7	10	30	50	250	mg/m^3		Radiation dose will dominate

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2912	Tellurium	13494-80-9	0.1	0.3	20	25	mg/m^3		
2913	Tellurium chloride	10026-07-0	0.211	0.633	15	52.8	mg/m^3		
2914	**Tellurium hexafluoride**	**7783-80-4**	0.018	0.018	**0.018**	**0.053**	ppm	T-0, P-1, P-2, P-3	New interim **AEGL-2, AEGL-3**
2915	Tellurium oxide; (Tellurium dioxide)	7446-07-3	0.125	0.375	31.3	31.3	mg/m^3	P-2	
2916	Tellurous acid	10049-23-7	0.139	0.418	0.696	34.8	mg/m^3		
2917	Terbium	7440-27-9	1.5	5	35	150	mg/m^3		TSCA listed, no toxicity data found. SRS HHR = 3.
2918	Terbium oxide	12036-41-8	10	30	50	250	mg/m^3		No toxicity data, PNOS used, no stable isotopes.
2919	Terbium(III,IV) oxide	12037-01-3	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found. MSDS S, MP, HHR =1.
2920	Terbufos	13071-79-9	0.01	0.03	1	1	mg/m^3		
2921	Terephthalic acid	100-21-0	10	125	500	500	mg/m^3		
2922	Terephthaloyl chloride	100-20-9	0.75	2.5	20	500	mg/m^3		
2923	Terphenyl, p-	92-94-4	0.4	1.25	9	500	mg/m^3		
2924	Terphenyls; (Diphenylbenzene)	26140-60-3	0.4	1.25	9	500	mg/m^3		
2925	Tert-butyl alcohol; (tert-Butanol)	75-65-0	100	150	1,500	1,600	ppm	P-2	
2926	Tert-butyl benzoic acid, p-	98-73-7	2	6	50	200	mg/m^3		
2927	Tert-butyllithium	594-19-4	1.5	5	35	150	mg/m^3		Unstable, stored in pentane or similar. No toxicity data found.
2928	Tert-butylphenol, p-; (Tert-butylphenol, 4-)	98-54-4	0.5	0.5	0.75	500	mg/m^3		
2929	Tert-butylpyridine, 4-	3978-81-2	10	30	50	250	mg/m^3		No toxicity data found. HC&P, ChemFinder listed.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2930	Tetraamminepalladium(II) nitrate	13601-08-6	1.5	5	35	150	mg/m^3		No toxicity information. LD50 based on HR
2931	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	0.1	6	8	8	ppm		Ignored PEL=TWA.
2932	Tetrabutyl ammonium phosphate	5574-97-0	10	30	50	250	mg/m^3		Not found in databases. Duplicate with "dihydrogen" deleted.
2933	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	0.75	2.5	20	100	ppm		
2934	Tetrabutylammonium fluoride; (N,N,N-Tributyl-1-butanaminium, fluoride)	429-41-4	34.4	103	172	500	mg/m^3		TSCA listed, no toxicity data, HHR = 3 in MSDS.
2935	Tetrabutylammonium hydroxide	2052-49-5	0.06	0.15	1.25	6	mg/m^3		
2936	Tetrabutylammonium nitrate	1941-27-1	0.075	0.25	1.5	7.5	mg/m^3		
2937	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	50	150	2,000	2,000	ppm		PEL-TWA suppressed
2938	Tetrachlorobenzene, 1,2,3,4-	634-66-2	12.5	35	250	500	mg/m^3		
2939	Tetrachlorobenzene, 1,2,4,5-	95-94-3	0.02	0.06	0.4	500	mg/m^3	**T-0, P-1, P-2**	
2940	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	2.00E-04	6.00E-04	0.004	0.4	mg/m^3	**T-0, P-1, P-2, P-3**	
2941	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	0.004	0.0125	0.075	0.4	mg/m^3		
2942	Tetrachloroethane (mixed isomers)	25322-20-7	1.5	5	35	100	ppm	**P-3**	
2943	Tetrachloroethane, 1,1,1,2-	630-20-6	3	7.5	30	30	ppm	**P-2, P-3**	Rat unspecified time TClo suppressed.
2944	Tetrachloroethane, 1,1,2,2-	79-34-5	1	3	20	100	ppm	**P-2**	PEL-TWA suppressed
2945	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	0.2	0.6	4	20	ppm		
2946	**Tetrachlorosilane; (Silicon chloride)**	**10026-04-7**	0.15	**0.45**	**5.5**	**25**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2947	Tetracosafluorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	3.42	10.3	17.1	342	mg/m^3		No toxicity data found.
2948	Tetracyanoquinodimethane	1518-16-7	0.4	1.25	10	50	mg/m^3		
2949	Tetracycline hydrochloride	64-75-5	0.75	2.5	15	500	mg/m^3		
2950	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	200	600	4,000	25,000	ppm		Rat LD50 > 5g/kg, rat LClo > 40000 ppm
2951	Tetradecane; (n-Tetradecane)	629-59-4	0.015	0.04	0.3	***1,250***	ppm		See LEL formatting note.
2952	Tetradecanoic acid; (Myristic acid)	544-63-8	0.35	1	7.5	35	mg/m^3		
2953	Tetradecyltrimethylammonium bromide	1119-97-7	15	50	350	500	mg/m^3		
2954	Tetraethyl lead	78-00-2	0.117	0.468	4	62.4	mg/m^3		
2955	**Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)**	**78-10-4**	10	**25**	**100**	**300**	ppm		**ERPG-1, -2, -3**
2956	Tetraethyl pyrophosphate; (TEPP)	107-49-3	0.01	0.15	1	5	mg/m^3		PEL-TWA suppressed
2957	Tetraethylammonium chloride	56-34-8	0.25	0.75	6	500	mg/m^3		
2958	Tetraethylene glycol	112-60-7	125	350	500	500	mg/m^3		
2959	Tetraethylene glycol diacrylate	17831-71-9	1	3.5	25	350	mg/m^3		ChemFinder states "pale yellow liquid", but gives MP = 112 C, insoluble in H2O.
2960	Tetraethylenepentamine	112-57-2	5	50	350	500	mg/m^3		WEEL added, toxicity data corrected.
2961	Tetraethyltin; (Tetraethylstannane)	597-64-8	0.198	0.396	7	49.5	mg/m^3		
2962	**Tetrafluoroethane, 1,1,1,2-; (HFC 134a)**	**811-97-2**	1,000	**8000**	**13000**	**27000**	ppm		**Final AEGLs -1,-2,-3**
2963	Tetrafluoroethane, 1,1,2,2-; (HFC 134)	359-35-3	1,000	8,000	13,000	27,000	ppm	T-0	

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2964	**Tetrafluoroethylene**	**116-14-3**	2	**220**	**550**	**3300**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
2965	Tetrafluorohydrazine	10036-47-2	0.805	2.5	15	80.5	ppm	P-3	
2966	Tetrahydro-2,5-dimethyl furan	1003-38-9	15	50	350	500	mg/m^3		Used Tetrahydrodimethylfuran (CASRN 1320-94-1) PAC values
2967	**Tetrahydrofuran**	**109-99-9**	50	**100**	**500**	***5000***	ppm		**ERPG-1, -2, -3** PEL-TWA suppressed See LEL formatting note.
2968	Tetrahydrofuran-d8	1693-74-9	50	100	500	5,000	ppm		Not found in databases. ChemFinder MW, MF and pchem data.
2969	Tetrahydromethyl-1,3-isobenzofurandione, 3A,4,7,7A-; (Methyltetrahydrophthalic anhydride)	26590-20-5	10	30	200	500	mg/m^3		Density assumed rat oral LD50 = 2140 uL/kg
2970	Tetrahydronaphthalene, 1,2,3,4-; (Tetralin)	119-64-2	0.2	0.6	5	20	ppm		
2971	Tetrahydropyridine, 1,2,3,6-	694-05-3	2.94	8.83	15	75	ppm		HC&P, H&N listed, no toxicity data
2972	Tetramethoxypropane, 1,1,3,3-; (Malonaldehyde bis(dimethyl acetal))	102-52-3	7.5	25	150	500	mg/m^3		TSCA and HC&P name inserted. No toxicity data found, assume HHR = 2.
2973	**Tetramethoxysilane; (Methyl silicate)**	**681-84-5**	0.91	0.91	**0.91**	**1.4**	ppm		**Interim AEGL-2, -3** **ERPG-2, -3**
2974	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	0.3	1	6	35	mg/m^3		
2975	Tetramethyl ethylene diamine	110-18-9	10	30	125	125	ppm		
2976	Tetramethyl lead	75-74-1	0.0968	0.581	4	51.6	mg/m^3		
2977	Tetramethyl-1,3-butanediamine, N,N,N',N'-; (Tetramethyl butanediamine)	97-84-7	2	6	40	200	mg/m^3		
2978	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	10	30	50	250	mg/m^3		TSCA listed, no toxicity data found.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2979	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	10	30	50	250	mg/m^3		
2980	Tetramethylammonium chloride	75-57-0	0.2	0.6	4	20	mg/m^3		
2981	Tetramethylammonium hydroxide	75-59-2	0.3	0.75	2	2	mg/m^3		RTECS data added.
2982	Tetramethylammonium hydroxide pentahydrate	10424-65-4	0.6	1.5	4	4	mg/m^3		Used MW-adjusted toxicity data for Tetramethylammonium hydroxide, 75-59-2.
2983	Tetramethylammonium silicate	53116-81-7	10	30	50	250	mg/m^3		Not found in databases. MF, Mw and SG ex MSDS.
2984	Tetramethylbenzene, 1,2,3,5-	527-53-7	0.15	0.5	3.5	500	mg/m^3		
2985	Tetramethylbenzene, 1,2,4,5-	95-93-2	30	100	500	500	mg/m^3		
2986	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7	0.5	1.5	10	60	mg/m^3		
2987	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	125	200	200	200	mg/m^3		Rat LClo > 250 mg/m3.
2988	Tetramethylsilane	75-76-3	5	15	25	125	ppm		
2989	**Tetranitromethane**	**509-14-8**	0.52	0.52	**0.52**	**1.7**	ppm		**Final AEGL -2, -3**
2990	Tetraoxadodecane, 2,5,8,11-	112-49-2	1	3	20	100	ppm		
2991	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Lauryl alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	10	30	50	250	mg/m^3		No toxicity data found
2992	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	2.79	8.38	14	25	mg/m^3		
2993	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	4	15	75	400	mg/m^3		EDTA tetrapotassium salt, MW corrected to match MF. No toxicity data **SAR**

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
2994	Tetrapropoxysilane	682-01-9	7.5	25	150	500	mg/m^3		TSCA listed, no toxicity data found. MSDS pchem data, SRS HHR = 2. BP = 226 C in HC&P.
2995	Tetrapropylammonium hydroxide	4499-86-9	0.15	0.5	3.5	15	mg/m^3		
2996	Tetrapropylorthotitanate	3087-37-4	10	30	50	250	mg/m^3		TSCA listed, no toxicity data. MSDS not helpful, assumed nonvolatile liquid.
2997	Tetrasodium pyrophosphate	7722-88-5	5	15	25	500	mg/m^3		TLV-TWA deleted.
2998	Tetrazole, 1H-	288-94-8	1.5	5	35	150	mg/m^3		HHR = 3
2999	Thallium	7440-28-0	0.02	0.06	3	3	mg/m^3	**T-0, P-1**	PEL-TWA suppressed, used TLV-TWA
3000	Thallium chloride; (Thallium(I) chloride)	7791-12-0	0.0235	0.0704	2	17.6	mg/m^3	**T-0, P-1**	Suppressed PEL-TWA, new TLV-TWA
3001	Thallium hydroxide	12026-06-1	0.0217	0.065	0.108	16.2	mg/m^3	**T-0, P-1, P-2**	Suppressed PEL-TWA, new TLV-TWA
3002	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	0.0261	0.0782	19.6	19.6	mg/m^3	**T-0, P-1**	Suppressed PEL-TWA, new TLV-TWA
3003	Thallium nitrite	13826-63-6	0.0245	0.0735	0.125	18.4	mg/m^3	**T-0, P-1, P-2**	Suppressed PEL-TWA, new TLV-TWA
3004	Thallium oxide	1314-12-1	0.0208	0.0623	0.104	15.6	mg/m^3	**T-0, P-1, P-2**	Suppressed PEL-TWA, new TLV-TWA
3005	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	0.0213	0.064	2	16	mg/m^3	**T-0, P-1**	Suppressed PEL-TWA, used new TLV-TWA; MW assume X= 7; Solubility: 4.87 g/100mL H2O @ 20ºC (HSDB)
3006	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	0.0258	0.0773	2.5	19.3	mg/m^3	**T-0, P-1**	Suppressed PEL-TWA, new TLV-TWA
3007	Thallium(I) carbonate (2:1)	6533-73-9	0.0229	0.0688	2	17.2	mg/m^3	**T-0, P-1**	Suppressed PEL-TWA, new TLV-TWA Rat 86 hour TCLo suppressed
3008	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	0.0247	0.0741	2	18.5	mg/m^3	**T-0, P-1**	Suppressed PEL-TWA, new TLV-TWA

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3009	Thallium(III) oxide; (Thallium sesquioxide; Thallic oxide)	1314-32-5	0.4	1.25	2	20	mg/m^3		
3010	Thallium(III) perchlorate hexahydrate	15596-83-5	0.0598	0.179	0.3	44.8	mg/m^3	T-0, P-1, P-2	Suppressed PEL-TWA, new TLV-TWA
3011	Thallous malonate	2757-18-8	0.025	0.075	2	18.7	mg/m^3	T-0, P-1, P-3	Suppressed PEL-TWA, new TLV-TWA 1g in 50mL H20
3012	Thenoyltrifluoroacetone	326-91-0	1.25	3.5	25	125	mg/m^3		
3013	Thioacetamide	62-55-5	1.5	5	40	125	mg/m^3	T-0, P-1, P-2	
3014	Thioacetic acid	507-09-5	0.006	0.02	0.125	10	ppm		
3015	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	0.25	0.75	1.3	1.3	mg/m^3		
3016	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	20	60	100	100	mg/m^3		
3017	Thiocresol, p-; (p-Toluenethiol)	106-45-6	0.75	2.5	15	75	mg/m^3		
3018	Thiocyanic acid, compound with guanidine (1:1); (Guanidine thiocyanate salt)	593-84-0	1.25	3.5	25	125	mg/m^3		
3019	Thiodiglycol	111-48-8	25	75	500	500	mg/m^3		
3020	Thiofanox; (Dacamox)	39196-18-4	1.5	5	8.5	30	mg/m^3		
3021	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	0.6	2	3.5	3.5	mg/m^3		
3022	**Thionyl chloride**	**7719-09-7**	0.06	**0.2**	**2.4**	**14**	ppm		**Interim AEGL-2, -3** **ERPG-1, -2, -3.**
3023	Thiophosphoryl chloride	3982-91-0	1.25	4	25	60	mg/m^3		
3024	Thiosemicarbazide	79-19-6	1.5	5	9.2	9.2	mg/m^3		
3025	Thiourea	62-56-6	1.25	4	25	125	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3026	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	0.05	10	75	100	mg/m^3	T-0	Suppressed PEL-TWA Human monitoring data ignored
3027	Thorium	7440-29-1	0.35	1	6	35	mg/m^3		
3028	Thorium hydroxide	13825-36-0	0.75	0.75	2.5	75	mg/m^3		NLM has CASRN 12688-06-1, but no toxicity data found. SAR.
3029	Thorium nitrite	z-0079	0.05	0.125	0.75	75	mg/m^3		SAR
3030	Thorium oxalate	2040-52-0	42.1	126	210	500	mg/m^3		TSCA listed, MF, MP ex Hawley. Ts based on Derived Response Level (DRL) for Th, converted from uCi/cm3 to mg/m3.
3031	Thorium oxide; (Thorium dioxide)	1314-20-1	25	75	500	500	mg/m^3		Rat it LD50 > 1140 mg/kg
3032	Thorium perchlorate	16045-17-3	31.4	94.3	157	500	mg/m^3		Ts based on Derived Response Level (DRL) for Th, converted from uCi/cm3 to mg/m3.
3033	Thorium(IV) nitrate	13823-29-5	0.75	2	15	25	mg/m^3		
3034	Thulium	7440-30-4	10	30	50	250	mg/m^3		No toxicity data found, but lanthanides have moderate toxicu=ity.
3035	Thulium chloride	13537-18-3	15	50	350	500	mg/m^3		"Heptahydrate" removed from name.
3036	Thulium oxide	12036-44-1	10	30	50	250	mg/m^3		No toxicity data found, PNOS used, no stable isotopes.
3037	Thymol blue; (6,6'-(3H-2,1-benzoxathiol-3-ylidene)dithymol, S,S-dioxide)	76-61-9	10	30	50	250	mg/m^3		No toxicity data found.
3038	Thyodene; (Amylodextrin)	9005-84-9	10	30	50	250	mg/m^3		
3039	Tin	7440-31-5	2	20	100	100	mg/m^3	P-1	
3040	Tin fluoroborate	13814-97-6	4.93	14.8	25	246	mg/m^3		No pchem data found.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3041	Tin hydroxide	12026-24-3	2.57	7.72	12.9	129	mg/m^3		
3042	Tin nitrate	41480-79-9	4.09	12.3	20.4	204	mg/m^3		
3043	Tin nitrite	100737-27-7	3.55	10.7	17.8	178	mg/m^3		
3044	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	3.8	11.4	20	190	mg/m^3		
3045	Tin(II) oxide	1332-29-2	2.54	7.62	12.7	127	mg/m^3	P-3	
3046	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	3.62	10.9	18.1	181	mg/m^3		
3047	Tin(IV) isopropoxide	1184-61-8	0.35	0.7	15	87.4	mg/m^3		
3048	Tin(IV) oxide; (Stannic oxide)	18282-10-5	2.54	7.62	12.7	127	mg/m^3	P-3	Rat oral LD50 > 20 g/kg
3049	Titanium	7440-32-6	0.6	2	12.5	60	mg/m^3		Multigenerational dose assumed over 10 dosing days per generation
3050	Titanium aluminide	39410-63-4	1	3	5	25	mg/m^3	T-0, P-1, P-2, P-3	TSCA lists CASRN = 12004-78-3
3051	Titanium boride	12045-63-5	6.43	19.3	32.1	150	mg/m^3		No toxicity data found. Kept "N" for chemical classification
3052	Titanium carbide	12070-08-5	10	30	50	250	mg/m^3		No toxicity data found.
3053	Titanium chloride	7705-07-9	0.5	1.5	10	50	mg/m^3		
3054	Titanium hydride	7704-98-5	1.5	5	35	150	mg/m^3		
3055	Titanium oxide; (Titanium dioxide)	13463-67-7	15	30	50	500	mg/m^3		
3056	**Titanium tetrachloride**	**7550-45-0**	0.0645	**0.645**	**1.0**	**5.7**	ppm		**Interim AEGL-2, -3** **ERPG-1, -2, -3**
3057	Titanium(II) oxide	12137-20-1	10	30	50	250	mg/m^3		
3058	Titanium(III) fluoride	13470-08-1	4.6	12.5	75	460	mg/m^3		CASRN changed from 7783-63-3.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3059	Titanium-based alloy; (Titanium compounds)	z-0081	10	30	50	250	mg/m^3		
3060	**Toluene**	**108-88-3**	20	**200**	***1200***	***4500***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note.
3061	Toluene diisocyanate (mixed isomers)	26471-62-5	0.25	0.75	2	2	ppm		
3062	Toluene diisocyanate, trimethylolpropane, epsilon-caprolactone polymer, methylated	71342-93-3	10	30	50	250	mg/m^3		Name changed. TSCA listed. No toxicity or pchem data found.
3063	**Toluene-2,4-diisocyanate; (TDI)**	**584-84-9**	0.005	**0.020**	**0.083**	**0.51**	ppm		**Final AEGL-1, -2, -3**
3064	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	1.5	4	30	150	mg/m^3		LD50 estimated
3065	**Toluene-2,6-diisocyanate**	**91-08-7**	0.005	**0.020**	**0.083**	**0.51**	ppm		**Final AEGL-1, -2, -3**
3066	Toluene-d8; (Deuterated toluene)	2037-26-5	20	200	1,200	4,500	ppm		Not found in databases, pchem data ex ChemFinder.
3067	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	0.005	1.5	12.5	50	ppm		
3068	Toluenesulfonamide, p-; (Pasam)	70-55-3	1	3	20	100	mg/m^3		ChemFinder MF, MW, but irritation not used.
3069	Toluenesulfonic acid, methyl ester, p-	80-48-8	0.75	2.5	15	150	mg/m^3		
3070	Toluenesulfonyl chloride, p-	98-59-9	2.5	7.5	50	250	mg/m^3		WEEL-C modified by toxicity data.
3071	Toluenesulphonic acid monohydrate, para-; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	10	30	200	500	mg/m^3		SAX CASRN = 104-15-4, MW = 172.21 without "hydrate"'
3072	Toluenethiol, m-	108-40-7	0.2	0.6	4	20	mg/m^3		
3073	Toluidine, m-; (3-Methylaniline)	108-44-1	2	7.5	40	40	ppm		
3074	Toluidine, o-	95-53-4	5	5	5	50	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3075	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	2	15	125	150	mg/m^3		
3076	Toxaphene; (Chlorinated camphene)	8001-35-2	0.5	1	20	200	mg/m^3		
3077	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	0.04	0.125	0.861	7.5	ppm		
3078	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6	5	15	100	500	mg/m^3		Severe irritant rabbit skin.
3079	Tri(2-ethylhexyl) phosphate; (Tris(2-ethylhexyl)phosphate)	78-42-2	12.5	12.5	12.5	12.5	mg/m^3		Toxicity data revised.
3080	Triacetin; (Triacetyl glycerin)	102-76-1	12.5	35	250	500	mg/m^3		
3081	Triamiphos	1031-47-6	2	6	10	10	mg/m^3		
3082	Triaryl sulfonium chloride salts	109037-76-5	1.25	4	25	125	mg/m^3		
3083	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	3	10	60	350	mg/m^3		
3084	Triazofos; (Triazophos)	24017-47-8	0.5	1.5	2.8	125	mg/m^3		
3085	Tribenzylamine	620-40-6	10	30	50	250	mg/m^3		Not found in databases, ChemFinder MF, MW, pchem data.
3086	Tributyl citrate	77-94-1	1	3	20	75	ppm		
3087	Tributyl phosphate	126-73-8	0.2	6	30	30	ppm	**T-0, P-1, P-2**	
3088	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6	0.75	2	15	75	mg/m^3		
3089	Tributyl-1-butanaminium iodide, N,N,N-; (Tetrabutylammonium iodide)	311-28-4	7.5	25	150	500	mg/m^3		
3090	Tributylphosphine	998-40-3	0.35	1	7.5	40	ppm		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3091	Tributyltetradecylphosphonium chloride	81741-28-8	10	30	50	250	mg/m^3		MW and MF from ChemFinder. Used PNOS default.
3092	Trichloramine; (Nitrogen chloride)	10025-85-1	0.125	0.35	2.5	25	ppm		
3093	**Trichloro(dichlorophenyl) silane; (Dichlorophenyltrichlorosilane)**	**27137-85-5**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**
3094	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	250	500	500	500	mg/m^3		
3095	Trichloro-2-nitrosobenzene, 1,3,5-	1196-13-0	7.5	25	150	500	mg/m3	**New addition**	Based on trichloronitrobenzene, whose MF contains one more oxygen atom.
3096	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	7.5	25	125	125	mg/m^3		
3097	Trichloroacetaldehyde; (Chloral)	75-87-6	2.5	7.5	40	40	mg/m^3	**P-2, P-3**	
3098	Trichloroacetic acid	76-03-9	1	1	2	25	ppm		
3099	Trichloroacetyl chloride	76-02-8	0.03	0.075	0.606	6	ppm		
3100	Trichlorobenzene, 1,2,3-	87-61-6	5	10	60	500	mg/m^3	**P-1, P-2**	
3101	Trichlorobenzene, 1,2,4-	120-82-1	0.25	0.75	5	40	ppm		
3102	**Trichloroethane, 1,1,1-; (Methyl chloroform)**	**71-55-6**	230	**230**	**600**	**4200**	ppm		**Interim AEGL-1, -2, -3**
3103	Trichloroethane, 1,1,2-	79-00-5	10	100	100	100	ppm	**P-1, P-2**	
3104	Trichloroethanol, 2,2,2-	115-20-8	12.5	35	250	250	mg/m^3		
3105	**Trichloroethylene**	**79-01-6**	10	**130**	**450**	**3800**	ppm		**Interim AEGL-1, -2, -3** PEL-TWA suppressed
3106	**Trichloroethylsilane; (Ethyl trichlorosilane)**	**115-21-9**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3107	Trichlorofluoromethane; (Fluorotrichloromethane; Freon 11)	75-69-4	1,000	1,000	1,500	2,000	ppm		
3108	Trichlorohydroxyethyl dimethylphosphonate; ((2,2,2-Trichloro-1-hydroxyethyl)dimethylphosphonate ; Trichlorphon)	52-68-6	1	3	13	500	mg/m^3		
3109	Trichloroisocyanuric acid	87-90-1	30	75	500	500	mg/m^3		
3110	Trichloronaphthalene	1321-65-9	5	15	25	50	mg/m^3		
3111	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	2	6	10	300	mg/m^3		
3112	Trichloronitrobenzene, 2,4,5-	89-69-0	7.5	25	150	500	mg/m3	**New addition**	Wild bird LD50 not used.
3113	Trichlorophenol, 2,3,6-	933-75-5	1.25	4	25	125	mg/m^3		Human TCLo supressed
3114	Trichlorophenol, 2,4,5-	95-95-4	40	125	350	350	mg/m^3	**T-0, P-1**	Human TCLo supressed
3115	Trichlorophenol, 2,4,6-	88-06-2	10	30	200	350	mg/m^3	**T-0, P-1, P-2**	Human TCLo supressed
3116	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (Silvex)	93-72-1	1.5	5	35	250	mg/m^3	**T-0, P-1, P-2**	
3117	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	10	10	10	250	mg/m^3	**P-1, P-2**	
3118	**Trichlorophenylsilane**	**98-13-5**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3**
3119	Trichloropropane, 1,2,3-	96-18-4	10	35	100	100	ppm	**P-1, P-2**	
3120	**Trichlorosilane**	**10025-78-2**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
3121	Trichlorotrifluoroethane; (Freon 113; CFC113)	76-13-1	1,000	1,250	1,500	2,000	ppm		
3122	Tridecane	629-50-5	0.015	0.05	0.35	6	ppm		

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3123	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	7.5	25	150	500	mg/m^3		TSCA listed. No toxicity data found. HHR = 2 in MSDS.
3124	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	5	250	500	500	mg/m^3	P-1, P-2	
3125	**Triethoxysilane**	**998-30-1**	0.05	**0.5**	**4**	**10**	ppm		**ERPG-1, -2, -3**
3126	Triethoxyvinylsilane	78-08-0	15	50	350	1,500	ppm		
3127	Triethyl phosphate; (TEP)	78-40-0	75	200	500	500	mg/m^3		
3128	Triethyl phosphite	122-52-1	2	6	40	200	ppm		
3129	Triethylaluminum	97-93-8	8.46	8.46	50	250	mg/m^3		
3130	Triethylamine	121-44-8	1	3	3	200	ppm		PEL-TWA not used.
3131	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9	10	30	50	250	mg/m^3		Not found in databases.
3132	Triethylbenzene (mixed isomers)	25340-18-5	6	15	125	600	ppm		
3133	Triethylene glycol	112-27-6	500	500	500	500	mg/m^3	T-0	
3134	Triethylene glycol monomethyl ether	112-35-6	40	125	500	500	mg/m^3		
3135	Triethylenetetramine	112-24-3	1	7.5	60	150	ppm		
3136	Triethylethanaminium hydroxide, N,N,N-; (Tetraethyl ammonium hydroxide)	77-98-5	0.35	1	7.5	35	mg/m^3		
3137	Triethyloxonium tetrafluoroborate	368-39-8	6.25	18.8	31.3	500	mg/m^3		TSCA listed, no toxicity or pchem data found, MSDS HHR = 3.
3138	Triethylphosphorothioate; (Tepto)	126-68-1	0.15	0.5	3.5	15	ppm		
3139	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4-, boron difluoride	22502-27-8	0.75	2.5	15	75	mg/m^3		

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3140	Trifluoro-4-nitro-m-cresol, alpha,alpha,alpha-; (4-Nitro-3-(trifluoromethyl)phenol)	88-30-2	0.6	1.5	12.5	60	mg/m^3		
3141	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4	2.5	7.5	50	250	mg/m^3		
3142	Trifluoroacetic acid anhydride	407-25-0	4.61	13.8	23	461	mg/m^3		
3143	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	10	15	15	15	ppm		
3144	Trifluoroacetyl chloride	354-32-5	1.07	3	20	107	ppm	P-1, P-2, P-3	
3145	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	0.3	7.5	60	60	ppm		
3146	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	0.1	0.3	2	10	ppm		No toxicity data found.
3147	Trifluoromethanesulfonic anhydride	358-23-6	1.5	5	35	150	mg/m^3		Not found in databases. HHR = 3 from MSDS
3148	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	2,000	4,000	4,000	4,000	ppm		
3149	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	0.75	2.5	4.4	150	mg/m^3		
3150	Trifluralin; (2,6-Dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine)	1582-09-8	40	125	150	150	mg/m^3	T-0, P-1, P-2, P-3	
3151	Triisobutylaluminum	100-99-2	14.7	100	500	500	mg/m^3		
3152	Trimethoxy(3,3,3-trifluoropropyl)silane	429-60-7	9.57	28.7	50	500	mg/m^3		Name changed. TSCA listed, no toxicity or pchem data found.
3153	Trimethoxyboroxine	102-24-9	20	60	400	500	mg/m^3		
3154	**Trimethoxysilane**	**2487-90-3**	0.05	**0.5**	**0.83**	**2.5**	ppm		**Interim AEGL-2, -3** **ERPG-1, -2, -3**
3155	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	10	30	50	250	mg/m^3		TSCA, H&N listed, no toxicity data. Assumed nonvolatile.
3156	Trimethoxysilyl-1-propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	3	7.5	60	300	mg/m^3		Rat LD50 = 730uL/kg

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3157	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	6	15	125	500	mg/m^3		
3158	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	30	75	500	500	mg/m^3		
3159	Trimethoxyvinylsilane; (Vinyltrimethoxysilane; Silane, trimethoxyvinyl-)	2768-02-7	150	400	1,250	1,250	ppm		
3160	Trimethyl borate	121-43-7	6	15	125	600	ppm		
3161	Trimethyl phosphate; (TMP)	512-56-1	5	15	60	60	ppm		
3162	**Trimethyl phosphite**	**121-45-9**	2	**6.1**	**61**	**310**	ppm	P-1, P-2, P-3	New interim **AEGL-1, AEGL-2, AEGL-3**
3163	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4	25	75	500	500	mg/m^3		
3164	Trimethyl-1-pentene, 2,4,4-; (Diisobutylene)	107-39-1	75	225	375	***1,500***	ppm		Iso-octane not listed as synonym for this CASRN. No toxicity data found. See LEL formatting note.
3165	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	10	30	50	250	mg/m^3		
3166	Trimethyl-2-hexene, 4,4,5-	55702-61-9	10	30	50	250	mg/m^3		
3167	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, epsilon-lactone)	64047-30-9	30	75	500	500	mg/m^3		Not in ChemBank, toxicity data ex SAX. No pchem data found.
3168	Trimethylacetic acid; (Pivalic acid)	75-98-9	3.5	10	75	400	mg/m^3		
3169	**Trimethylacetyl chloride; (Pivaloyl chloride)**	**3282-30-2**	0.025	0.075	**0.53**	**1.6**	ppm	T-0, P-1, P-2, P-3	**New interim AEGL-2, AEGL-3**
3170	Trimethylaluminum	75-24-1	5.34	16	26.7	125	mg/m^3		No toxicity data found, used Al alkyl cmpnds. MSDS says very corrosive, but use of "Y" would give all PAC values equal to 2 mg/m3

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3171	**Trimethylamine**	**75-50-3**	5	**8.0**	**120**	**380**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
3172	Trimethylaniline, 2,4,6-	88-05-1	0.125	0.4	2.9	40	mg/m^3		
3173	**Trimethylbenzene, 1,2,3-**	**526-73-8**	25	**140**	**360**	***1,500***	ppm		**Interim AEGL-1, -2** See LEL formatting note
3174	**Trimethylbenzene, 1,2,4-; (Pseudocumene)**	**95-63-6**	25	**140**	**360**	400	ppm	P-3	**Interim AEGL-1, -2**
3175	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (alpha-Pinene)	80-56-8	20	20	60	300	ppm	T-0, P-1, P-2, P-3	Turpentine values deleted, rat LClo for unspecified time not used
3176	**Trimethylchlorosilane**	**75-77-4**	0.6	**1.8**	**22**	**100**	ppm	P-2, P-3	**Revised Interim AEGL-1, -2, -3**
3177	Trimethyldecane, 2,2,3-	62338-09-4	46.5	46.5	239	***1,250***	ppm		CASRN changed back to 62338-09-4, per ExPub. NIOSH limits for Alkanes used. See LEL formatting note.
3178	Trimethyldecane, 2,2,8-	62238-01-1	46.5	46.5	239	***1,250***	ppm		NIOSH limits for Alkanes used. See LEL formatting note.
3179	Trimethyldecane, 2,5,6-	62108-23-0	46.5	46.5	239	***1,250***	ppm		NIOSH limits for Alkanes used. See LEL formatting note.
3180	Trimethylene oxide; (Oxetane)	503-30-0	0.1	0.3	2	75	mg/m^3		SAX BP = 480C differs from other sources.
3181	Trimethylgallium	1445-79-0	1.5	5	35	150	mg/m^3		TSCA, HC&P listed. No toxicity data found.
3182	Trimethylhexane, 2,2,5-	3522-94-9	66.8	66.8	343	***1,500***	ppm		NIOSH limits for Alkanes used. See LEL formatting note.
3183	Trimethyl-N'-(hydroxyethyl)-1,3-propanediamine, N,N,N'-; (2-((3-(Dimethylamino)propyl)methylamino)ethanol)	82136-26-3	10	30	50	250	mg/m^3		Name changed, synonym inserted. Not found in databases.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3184	Trimethyloctane	98060-52-7	54.8	54.8	282	***1,000***	ppm		NIOSH limits for Alkanes used. See LEL formatting note.
3185	Trimethyloctane, 2,2,6-	62016-28-8	54.8	54.8	282	***1,250***	ppm		NIOSH limits for Alkanes used. See LEL formatting note.
3186	Trimethyloctane, 2,3,7-	62016-34-6	54.8	54.8	282	***1,250***	ppm		NIOSH limits for Alkanes used. See LEL formatting note.
3187	Trimethyloctane, 2,4,6-	62016-37-9	54.8	54.8	282	***1,250***	ppm		NIOSH limits for Alkanes used. See LEL formatting note.
3188	Trimethyloctane, 2,6,6-	54166-32-4	54.8	54.8	282	***1,250***	ppm		NIOSH limits for Alkanes used. See LEL formatting note.
3189	Trimethylolpropane ethoxylate	50586-59-9	10	30	50	250	mg/m^3		TSCA listed, no toxicity data. No useful data in MSDS assumed nonvolatile.
3190	Trimethylolpropane phosphite	824-11-3	0.125	0.35	2.5	6	mg/m^3		
3191	Trimethylphosphine	594-09-2	0.1	0.3	2	10	ppm		
3192	Trimethylpyridine, 2,4,6-	108-75-8	1.5	5	35	150	ppm		
3193	Trimethylsilanol	1066-40-6	0.05	0.5	2	5	ppm		**SAR**
3194	Trimethylsilylmethyllithium	1822-00-0	1.5	5	35	150	mg/m^3		No toxicity data found, used HHR = 3.
3195	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	0.168	0.336	20	42	mg/m^3		
3196	Trimethyltriheptylamine, 6,6',6"-; (Triisooctylamine)	2757-28-0	6	15	125	500	mg/m^3		
3197	Tri-n-butylamine	102-82-9	0.02	0.06	0.4	7.5	ppm		
3198	Trinitrobenzene, 1,3,5-	99-35-4	3	7.5	60	125	mg/m^3	**T-0, P-1, P-2**	
3199	Trinitrochlorobenzene; (Picryl chloride)	28260-61-9	10	30	50	250	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3200	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	1.5	7.5	50	500	mg/m^3		
3201	Trinitrotoluene, 2,4,6-	118-96-7	0.1	1.25	7.5	500	mg/m^3		PEL-TWA ignored because PEL-TWA >> TLV-TWA
3202	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	4	12.5	75	400	mg/m^3	**T-0, P-1, P-2, P-3**	
3203	Trioctylamine; (N,N-Dioctyl-1-octanamine)	1116-76-3	4	12.5	75	400	mg/m^3		
3204	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	0.5	1.5	10	50	mg/m^3		No pchem data found. Mouse LC50 > 1600 mg/m3.
3205	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	0.1	0.3	0.6	40	ppm		
3206	Tripentaerythritol	78-24-0	10	30	50	250	mg/m^3		No toxicity data found
3207	Triphenyl phosphate	115-86-6	3	9	500	500	mg/m^3		
3208	Triphenyl phosphite	101-02-0	7.5	25	150	200	mg/m^3		
3209	Triphenylborane	960-71-4	7.5	25	150	500	mg/m^3		Severe irritant, but no toxicity data found.
3210	Triphenylethoxysilane	1516-80-9	10	30	50	250	mg/m^3		TSCA, HC&P listed, no toxicity data
3211	Triphenylolmethane triglycidyl ether	66072-38-6	10	30	50	250	mg/m^3		TSCA listed, no toxicity data, no MSDS, assumed solid or nonvolatile liquid.
3212	Triphenylphosphine	603-35-0	1.5	5	40	500	mg/m^3		
3213	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	0.325	0.65	20	81.2	mg/m^3		
3214	Tripotassium (2-hydroxyethyl)ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	0.35	1	7.5	40	ppm		TSCA listed. Synonym changed. **SAR**
3215	Tripotassium arsenate	13464-36-3	0.0342	0.103	0.171	17.1	mg/m^3		REL-C suppressed
3216	Tripropyl phosphate; (TPP)	513-08-6	6	15	125	500	mg/m^3		No toxicity data found. Rat toxicity based on similar phosphates.

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3217	Tripropylamine	102-69-2	3.5	10	75	350	ppm		
3218	Tripropylene glycol methyl ether	25498-49-1	12.5	40	250	500	mg/m^3		Pchem data ex CHRIS
3219	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol)	20324-33-8	0.004	0.0125	0.1	150	ppm		
3220	Tripropylene glycol; (((1-Methyl-1,2-ethanediyl)bis(oxy))bispropanol)	24800-44-0	1.5	5	35	150	ppm		CASRN changed from 1638-16-0. Both CASRNs in TSCA and ChemFinder.
3221	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	7.5	25	150	500	mg/m^3		CASRN changed to 1185-53-1 (TSCA, ChemFinder and Sigma-Aldrich). Not found in databases, data ex MSDS.
3222	Tris((hydroxymethyl)methylamino) propane-1-sulphonic acid, 3-	29915-38-6	10	30	50	250	mg/m^3		TSCA listed, no toxicity data. ChemFinder MW, MP
3223	Tris(2-aminoethyl)amine	4097-89-6	2	6	40	100	mg/m^3		No pchem data found.
3224	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	7.5	20	150	500	mg/m^3		
3225	**Tris(2-chloroethyl)amine; (Nitrogen mustard-3)**	**555-77-1**	1.00E-03	0.003	**0.022**	**0.37**	mg/m^3		**Interim AEGL-2, -3**
3226	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	5	15	100	500	mg/m^3		
3227	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	25	75	500	500	mg/m^3		
3228	Trisodium arsenate	13464-38-5	0.0277	0.0832	0.139	13.9	mg/m^3		MW and MF vary in sources REL-C suppressed
3229	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3	0.0446	0.134	0.223	22.3	mg/m^3		REL-C suppressed
3230	Trisodium citrate	68-04-2	0.6	1.5	12.5	60	ppm		HSDB and TSCA have different MF

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3231	Trisodium N-hydroxyethylethylenediaminetriacetate; (Trisodium N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	4	12.5	75	400	mg/m^3		Name corrected. HSDB, HC&P MW = 344.2, but RTECS, H&N MW =347.27 SAR
3232	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	15	40	300	500	mg/m^3		
3233	Trypan blue	72-57-1	2	6	40	500	mg/m^3	T-0, P-1, P-2	
3234	Trypsin; (Parenzyme; Chymotrypsin inhibitor)	9002-07-7	0.025	0.075	0.6	30	mg/m^3		
3235	Trypsinogen	9002-08-8	7.5	25	150	500	mg/m^3		Not found in databases, MSDS HHR = 2.
3236	Tungsten	7440-33-7	5	10	150	500	mg/m^3	P-2	
3237	Tungsten boride	12007-09-9	5.29	10.6	26.5	125	mg/m^3		TSCA, HC&P listed, no toxicity data found Retained "N" designation
3238	Tungsten carbide	12070-12-1	5.33	10.7	26.6	125	mg/m^3		No toxicity data found Changed "Y" to "N"
3239	Tungsten hexafluoride	7783-82-6	1.62	4.86	15	150	mg/m^3	P-2, P-3	Used soluble W exposure limits.
3240	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	6.31	12.6	12.6	400	mg/m^3	P-2	Used W exposure limits.
3241	Tungsten(IV) chloride; (Tungsten tetrachloride)	13470-13-8	1.77	5.31	8.86	40	mg/m^3		No toxicity or pchem data found Used soluble W exposure limits
3242	Tungsten(IV) oxide	12036-22-5	5.87	11.7	30	150	mg/m^3		No toxicity data found Used insoluble W exposure limits
3243	Tungstic acid	7783-03-1	6.8	13.6	35	150	mg/m^3		No toxicity data found Used insoluble W exposure limits
3244	Tungstosilicic acid	11130-20-4	6.52	13	32.6	150	mg/m^3		TSCA listed, no pchem data Used W exposure limits
3245	Turpentine	8006-64-2	20	20	20	***800***	ppm		PEL-TWA suppressed See LEL formatting note

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Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3246	Undecane	1120-21-4	0.35	1	6	35	ppm		
3247	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	0.2	0.6	4	300	ppm		
3248	Uranine; (Fluorescein sodium)	518-47-8	12.5	40	250	500	mg/m^3		
3249	Uranium	7440-61-1	0.25	0.6	2.5	10	mg/m^3	P-2	
3250	**Uranium hexafluoride; (Uranium fluoride)**	**7783-81-5**	0.0739	**3.6**	**9.6**	**36**	mg/m^3		**Final AEGL-1, -2, -3** **ERPG-1, -2, -3**
3251	Uranium hydride; (Uranium(III) hydride)	13598-56-6	0.253	0.608	2	10.1	mg/m^3		
3252	**Uranium oxide; (Triuranium octaoxide)**	**1344-59-8**	0.295	0.708	**10**	**50**	mg/m^3		**ERPG-2, -3**
3253	Uranium telluride	12138-37-3	0.518	1.24	4	20.7	mg/m^3		Name and CASRN changed. Insoluble U compound.
3254	Uranium telluride A	12138-37-3a	0.429	1.03	3.5	17.1	mg/m^3		Treated as insoluble.
3255	**Uranium trioxide**	**1344-58-7**	0.3	0.5	**0.5**	**3**	mg/m^3		**ERPG-2, -3**
3256	**Uranium(IV) oxide; (Uranium dioxide)**	**1344-57-6**	0.284	0.681	**10**	**30**	mg/m^3		**ERPG-2, -3**
3257	Uranium: insoluble compounds	z-0083	0.25	0.6	2	10	mg/m^3		As insoluble U compound.
3258	Uranium: soluble compounds	z-0084	0.05	0.6	2	10	mg/m^3		As soluble U compound
3259	Uranyl acetate; (Uranium oxyacetate)	541-09-3	0.0815	0.978	3	16.3	mg/m^3		As soluble U compound
3260	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	0.0647	0.776	2.5	12.9	mg/m^3		As soluble U compound
3261	Uranyl hydroxide	13470-18-3a	0.0639	0.766	2.5	12.8	mg/m^3		As soluble U compound
3262	Uranyl hydroxide (liquids)	13470-18-3b	0.0639	0.766	2.5	12.8	mg/m^3		As soluble U compound
3263	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	0.0828	0.993	3	16.6	mg/m^3		As soluble U compound

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3264	Uranyl nitrate (yellow salt)	36478-76-9	0.0828	0.993	3	16.6	mg/m^3	P-2	As soluble U compound
3265	Uranyl nitrate hexahydrate	13520-83-7	0.105	1.27	1.27	21.1	mg/m^3		As soluble U compound
3266	Uranyl nitrite (liquids)	z-0087	0.076	0.913	3	15.2	mg/m^3		As soluble U compound
3267	Urea	57-13-6	10	10	15	500	mg/m^3		
3268	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	1.5	5	35	150	mg/m^3		
3269	Urea), N,N''-(4-methyl-1,3-phenylene)bis(N',N'-dimethyl-	17526-94-2	1.5	5	35	150	mg/m^3		TSCA listed, no toxicity data found. Based on MSDS NFPA HHR = 2.
3270	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	500	500	500	500	mg/m^3		
3271	Valeric acid	109-52-4	30	75	500	500	mg/m^3		
3272	Valinomycin	2001-95-8	0.5	1.5	2.5	2.5	mg/m^3		
3273	Vanadium	7440-62-2	0.6	1.5	12.5	35	mg/m^3	T-0, P-1, P-2	
3274	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	0.179	1	7	125	mg/m^3	T-0, P-3	
3275	Vanadium sulfate	16785-81-2	3	7.5	60	312	mg/m^3	T-0, P-1, P-2	Used V IDLH
3276	Vanadium tetrachloride	7632-51-1	0.6	2	12.5	60	mg/m^3	T-0, P-1, P-2, P-3	
3277	Vanadium trioxide	1314-34-7	1	3	20	51.5	mg/m^3	T-0, P-1, P-2	Used V IDLH
3278	Vanadium(II) sulfate heptahydrate	36907-42-3	1.5	5	35	188	mg/m^3	T-0, P-1, P-2	Used V IDLH
3279	Vanadium(III) sulfate	13701-70-7	1.25	4	25	134	mg/m^3	T-0, P-1, P-2	Used V IDLH
3280	Vanadium, trichlorooxo-	7727-18-6	0.075	0.25	1.5	7.5	ppm	T-0, P-1, P-2, P-3	
3281	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	1.5	5	35	174	mg/m^3	T-0, P-1, P-2	Used V IDLH

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3282	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	1	3	20	112	mg/m^3	T-0, P-1, P-2	Used V IDLH
3283	Vanilin	121-33-5	10	30	125	500	mg/m^3		
3284	Vegetable oil	68956-68-3	15	45	75	500	mg/m^3		
3285	Veratraldehyde	120-14-9	7.5	25	150	500	mg/m^3		
3286	Vermiculite, exfoliated	1318-00-9	1	3	5	25	mg/m^3	T-0, P-1	No toxicity data found
3287	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1	0.15	0.4	3	15	mg/m^3		Not found in databases.
3288	**Vinyl acetate**	**108-05-4**	6.7	**6.7**	**180**	**610**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**
3289	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	35	100	500	500	mg/m^3		
3290	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0	10	30	50	250	mg/m^3		Used PNOS default
3291	Vinyl bromide	593-60-2	0.5	3,500	6,000	6,000	ppm	P-1, P-2, P-3	
3292	**Vinyl chloride**	**75-01-4**	1	**250**	**1200**	***4800***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note.
3293	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	15	50	350	***1,500***	ppm		See LEL formatting note.
3294	Vinyl fluoride	75-02-5	1	7.5	50	***75,000***	ppm		See LEL formatting note.
3295	Vinyl sulfoxide	1115-15-7	0.75	2.5	15	75	mg/m^3		
3296	Vinyl terminated dimethylsiloxane-diphenylsiloxane copolymer	68951-96-2	75	250	500	500	mg/m^3		TSCA listed, no toxicity data found, HHR = 0 in MSDS.
3297	**Vinyl trichlorosilane**	**75-94-5**	0.2	**0.60**	**7.3**	**33**	ppm		**Interim AEGL-1, -2, -3** **ERPG-1, -2, -3**

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3298	Vinyl-2-pyrrolidinone, 1-	88-12-0	0.05	5	40	75	ppm		
3299	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	1.5	5	35	150	mg/m^3		TSCA listed, no toxicity data found, MSDS HHR = 3.
3300	Vinylcyclohexene, 4-; (Cyclohexenylethylene)	100-40-3	0.1	0.3	***3,500***	***3,500***	ppm		See LEL formatting note.
3301	Vinylformamide, N-	13162-05-5	5	15	100	500	mg/m^3		TSCA lisyed. MSDS pchem and toxicity information used.
3302	**Vinylidene chloride; (1,1-Dichloroethylene)**	**75-35-4**	5	75	**500**	**1000**	ppm		**ERPG-2, -3**
3303	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	500	500	1,250	***25,000***	ppm	**P-1, P-2, P-3**	REL-C suppressed See LEL formatting note
3304	Vinylmagnesium bromide	1826-67-1	1.5	5	35	150	mg/m^3		TSCA listed, no toxicity data found. MSDS HHR - 3.
3305	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	100	250	250	250	mg/m^3		Rat oral LD50 > 650 mg/kg
3306	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)	64742-52-5	15	40	300	500	mg/m^3		Rat oral LD50 > 5 g/kg
3307	Warfarin	81-81-2	0.1	0.3	20	100	mg/m^3		
3308	Warfarin sodium	129-06-6	1.5	5	9	9	mg/m^3		
3309	Xenon	7440-63-3	65,000	65,000	2.30E+05	4.00E+05	ppm		Simple asphyxiant.
3310	Xylene, m-	108-38-3	100	150	200	900	ppm		
3311	Xylene, o-	95-47-6	100	150	200	***900***	ppm		See LEL formatting note.
3312	Xylene, p-	106-42-3	100	150	200	900	ppm		
3313	**Xylenes**	**1330-20-7**	100	**130**	***920***	***2500***	ppm		**Interim AEGL-1, -2, -3** See LEL formatting note.
3314	Xylenol orange tetrasodium salt	3618-43-7	10	30	50	250	mg/m^3		
3315	Xylidine	1300-73-8	0.5	10	10	50	ppm	**P-1, P-2**	PEL-TWA suppressed because = 10 x TLV-TWA

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3316	Xylidine, 2,6-	87-62-7	0.5	10	25	50	ppm	**T-0, P-1, P-3**	PEL-TWA suppressed because = 10 x TLV-TWA
3317	Xylidine, o-; (2,3-Xylidine)	87-59-2	0.5	10	10	50	ppm	**T-0, P-1, P-2, P-3**	PEL-TWA suppressed
3318	Xylylene dichloride	28347-13-9	0.4	1.25	2	75	mg/m^3		
3319	Yeast extract	8013-01-2	15	50	400	500	mg/m^3		
3320	Ytterbium fluoride	13760-80-0	10.1	10.1	10.1	500	mg/m^3		Used fluoride exposure limits.
3321	Ytterbium oxide	1314-37-0	10	30	50	250	mg/m^3		
3322	Yttrium	7440-65-5	1	3	5	500	mg/m^3		
3323	Yttrium chloride, hexahydrate	10025-94-2	3.41	10.2	500	500	mg/m^3		
3324	Yttrium oxide	11130-29-3	1.18	3.54	150	500	mg/m^3		"Y" changed to "N" for mild irritant.
3325	Yttrium trioxide	1314-36-9	1.27	3.81	40	500	mg/m^3		
3326	Zeolites, CaA	68989-20-8	7.5	25	150	500	mg/m^3		MSDS HHR = 2. Molecular sieve information deleted.
3327	Zeolites, KA	68989-21-9	10	30	50	250	mg/m^3		MSDS CASRN = 308080-99-1, no useful data found. Molecular sieve information deleted.
3328	Zeolites, NaA	68989-22-0	6	15	125	500	mg/m^3		Molecular sieve information deleted.
3329	Zeolites, NaX	68989-23-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found. Molecular sieve information deleted.
3330	Zinc	7440-66-6	1	3	20	500	mg/m^3	**T-0, P-1, P-2**	
3331	Zinc acetate	557-34-6	0.3	0.75	6	500	mg/m^3		
3332	Zinc acetate dihydrate	5970-45-6	25	75	350	350	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3333	Zinc bromide	7699-45-8	2	6	40	200	mg/m^3		
3334	Zinc carbonate	3486-35-9	5	15	100	500	mg/m^3		
3335	Zinc carbonate hydroxide	5263-02-5	10	30	50	250	mg/m^3		Not found in databases
3336	Zinc chloride	7646-85-7	1	2	50	50	mg/m^3		
3337	Zinc cyanide	557-21-1	22.6	22.6	22.6	113	mg/m^3		
3338	Zinc fluoride	7783-49-5	6.8	20	125	500	mg/m^3		Used fluoride exposure limits.
3339	Zinc hydroxide	20427-58-1	0.6	0.6	1.5	60	mg/m^3		SAR
3340	Zinc nitrate	7779-88-6	1	3	20	100	mg/m^3	T-0, P-1, P-2, P-3	HSDB toxicity data added.
3341	Zinc nitrate hexahydrate	10196-18-6	5	15	100	500	mg/m^3		
3342	Zinc nitrite	10102-02-0	0.035	0.075	0.6	60	mg/m^3		SAR
3343	Zinc oxide	1314-13-2	5	10	15	500	mg/m^3	T-0	
3344	Zinc perchlorate	13637-61-1	10	30	50	250	mg/m^3		TSCA listed, no toxicity or pchem data found.
3345	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	0.6	2	15	500	mg/m^3		
3346	Zinc phosphate (3:2)	7779-90-0	2	6	50	250	mg/m^3		SAX, RTECS, TSCA all have H3 in MF, but this would give MW = 392.13
3347	**Zinc phosphide**	**1314-84-7**	0.05	0.15	**1.0**	**1.8**	ppm		**Final AEGL-2, -3**
3348	Zinc stearate	557-05-1	15	30	50	150	mg/m^3		
3349	Zinc sulfate	7733-02-0	0.15	0.5	3.5	500	mg/m^3		
3350	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	100	200	200	200	mg/m^3		

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3351	Zirconium	7440-67-7	5	10	25	25	mg/m^3	**P-2, P-3**	"and compounds (as Zr)" removed from name.
3352	Zirconium boride	12045-64-6	6.19	12.4	30.9	30.9	mg/m^3	**P-2, P-3**	
3353	Zirconium carbide	12070-14-3	6.32	12.6	12.6	31.6	mg/m^3	**P-3**	No toxicity data found
3354	Zirconium chloride	10026-11-6	12.8	25.5	25.5	63.9	mg/m^3	**P-3**	
3355	Zirconium chloride oxide octahydrate	13520-92-8	17.7	35.3	35.3	88.3	mg/m^3	**P-3**	
3356	Zirconium fluoride	7783-64-4	22	66	110	500	mg/m^3		Used flourides exposure limits
3357	Zirconium hydride	7704-99-6	5.11	10.2	25.6	25.6	mg/m^3	**P-2, P-3**	
3358	Zirconium hydroxide	14475-63-9	8.73	17.5	17.5	43.6	mg/m^3	**P-3**	
3359	Zirconium nitrate	13746-89-9	18.6	37.2	37.2	93	mg/m^3	**P-3**	
3360	Zirconium nitride	25658-42-8	5.77	11.5	11.5	28.8	mg/m^3	**P-3**	TSCA, HC&P listed, no toxicity data.
3361	Zirconium nitrite	z-0088	7.52	15	15	37.6	mg/m^3	**P-3**	
3362	Zirconium oxide	1314-23-4	6.75	13.5	13.5	33.8	mg/m^3	**P-3**	
3363	Zirconium oxynitrate hydrate	14985-18-3	13.7	27.4	27.4	68.5	mg/m^3		
3364	Zirconium phosphide	12037-80-8	8.4	16.8	16.8	42	mg/m^3		HC&P listed. TSCA CASRN = 12037-72-8, MW, MF differ.
3365	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	37.3	112	186	500	mg/m^3		
3366	Zirconium silane	z-0089	8.08	16.2	16.2	40.4	mg/m^3		
3367	Zirconium silicate; (Zirconium silicon oxide; Zircon)	10101-52-7	10.3	20.5	20.5	51.3	mg/m^3		HC&P has "zirconium orthosilicate", MW = 183.308, MF = Zr SiO4.
3368	Zirconium sulfate tetrahydrate	7446-31-3	19.5	39	39	97.4	mg/m^3		CASRN changed from 14644-61-2 per LLNL; CHRIS lists under removed CASRN

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			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3369	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	9.76	19.5	48.8	48.8	mg/m^3		
3370	Zirconyl nitrate; (Bis(nitrato-O)oxozirconium)	13826-66-9	12.7	25.3	25.3	63.4	mg/m^3		
3371	Zonyl fsn fluorosurfactant	65545-80-4	60	150	500	500	mg/m^3		
3372	zzAcrylic latex	z-0090	10	30	50	250	mg/m^3		
3373	zzAlumination 301	z-0091	10	30	50	250	mg/m^3		
3374	zzHydranal coulomat / AG	z-0092	10	30	50	250	mg/m^3		
3375	zzHydrocarbon polymer	z-0093	10	30	50	250	mg/m^3		
3376	zzHydrocount(R), LSC cocktail	z-0094	10	30	50	250	mg/m^3		
3377	zzIconol(R)	z-0095	10	30	50	250	mg/m^3		
3378	zzMachine coolant 1	z-0096	10	30	50	250	mg/m^3		
3379	zzMonophase- S	z-0097	10	30	50	250	mg/m^3		
3380	zzMornar	z-0098	10	30	50	250	mg/m^3		
3381	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphophate)	z-0099	7.5	25	37.5	250	mg/m^3		Mixture ex MSDS used
3382	zzPropanol (-2) aluminum derivative	z-0101	2	6	10	50	mg/m^3		
3383	zzScintillation cocktail, Ultima Gold XR	z-0102	0.15	0.5	3	15	mg/m^3		Used MSDS mixture components
3384	zzSicapent	z-0103	10	30	50	250	mg/m^3		
3385	zzSynthetic resins	z-0104	10	30	50	250	mg/m^3		
3386	zzTotal sequestrant reagent #5	z-0105	35	40	100	500	mg/m^3		Used MSDS mixture components

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.
Bold green italics: 10% LEL ≤ PAC < 50% LEL; bold underlined pink italics: 50% LEL ≤ PAC < 100% LEL; bold double underlined red italcs: PAC ≥ LEL.

Table 2: Protective Action Criteria (PAC) Rev 26
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs					Values changed from PAC Rev 25: TEEL-0 = T-0, PAC-1 = P-1, PAC-2 = P-2, PAC-3 = P-3	Comments
			TEEL-0	PAC-1	PAC-2	PAC-3	Units		
3387	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106	0.04	0.125	0.75	7.5	mg/m^3		Toxicity data for "Norepinephrine", CASRN = 51-41-2, used.
3388	zzWaste oil	z-0107	10	30	50	250	mg/m^3		

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.
Bold green italics: 10% LEL ≤ PAC < 50% LEL; bold underlined pink italics: 50% LEL ≤ PAC < 100% LEL; bold double underlined red italcs: PAC ≥ LEL.