

Table 4: Protective Action Criteria (PAC) Rev 27 based on applicable 60-minute AEGLs, ERPGs, or TEELs. The chemicals are listed in alphabetical order and the values are presented in mg/m³. February 2012

Table 4 is an alphabetical list of the chemical substances and their corresponding PAC values in mass per unit volume (mg/m³). The conversion of ppm to mg/m³ was carried out assuming normal temperature and pressure, 25°C and 760 mm Hg.

The columns presented in Table 4 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 Abstracts Service Registry Number ¹ for this chemical
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

Chemicals for which **AEGLs** are available have their chemical name, CASRN, and AEGL values displayed in a **bolded and larger font**. Chemicals for which **ERPGs** are available, but not AEGLs, have their chemical name, CASRN, and ERPG values displayed in a **bolded** font. Chemicals for which TEELs are available, but no AEGLs or ERPGs, have their chemical name, CASRN, and values displayed using a regular font.

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

¹ Information on the Chemical Abstracts Service and CASRNs is provided at <http://info.cas.org/>.

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1	Acacia; (Gum arabic)	9000-01-5	37	410	3,200
2	Acenaphthene	83-32-9	3.6	40	240
3	Acenaphthylene	208-96-8	10	110	660
4	Acetaldehyde	75-07-0	81	490	1,500
5	Acetamide	60-35-5	8.7	96	1,400
6	Acetanilide	103-84-4	0.28	3.1	61
7	Acetic acid	64-19-7	12	86	610
8	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenylloxy) butane and ethenol	27360-07-2	30	330	2,000
9	Acetic acid, 2-propenyl ester	591-87-7	1.7	19	110
10	Acetic acid, lithium salt	546-89-4	5.1	56	330
11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	13	22	740
12	Acetic acid, manganese(II) salt (2:1)	638-38-0	9.4	16	580
13	Acetic anhydride	108-24-7	2.1	63	420
14	Acetone	67-64-1	470	7,600	14,000
15	Acetone thiosemicarbazide	1752-30-3	9.1	100	100
16	Acetone-d ₆	666-52-4	520	8,400	15,000
17	Acetonitrile	75-05-8	22	540	1,100

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			PAC-1	PAC-2	PAC-3
18	Acetonitrile-d3	2206-26-0	23	580	1,200
19	Acetophenone	98-86-2	10	10	53
20	Acetoxytriphenylstannane	900-95-8	0.69	20	25
21	Acetyl bromide	506-96-7	0.82	9	54
22	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	6.6	73	440
23	Acetyl chloride	75-36-5	2.7	30	180
24	Acetyl triethyl citrate	77-89-4	1.9	21	1,400
25	Acetylaminofluorene, 2-	53-96-3	0.45	4.9	88
26	Acetylaminofluorenone, 2-	3096-50-2	0.16	1.7	10
27	Acetylene	74-86-2	69,000	2.40E+05	4.30E+05
28	Acrolein	107-02-8	0.069	0.23	3.2
29	Acrylamide	79-06-1	10	110	110
30	Acrylamide, N,N'-methylenebisacrylamide copolymer	25034-58-6	30	330	2,000
31	Acrylic acid	79-10-7	4.4	140	530
32	Acrylic acid polymers; (Acrylic polymer or resin)	9003-01-4	7.5	83	500
33	Acrylonitrile	107-13-1	10	120	220
34	Acrylyl chloride; (Acryloyl chloride)	814-68-6	0.082	0.9	3.2

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
35	Adamsite; (Phenarsazine chloride)	578-94-9	0.016	2.6	6.40
36	Adipic acid	124-04-9	15	330	1,000
37	Adipic acid, diethylene glycol, trimethylolpropane, phthalic anhydride, toluenediisocyanate polymer, isocyanate terminated	68609-57-4	30	330	2,000
38	Adiponitrile	111-69-3	8.8	17	75
39	Aerosol, A-102; (Poly(oxy-1,2-ethanediyl), alpha-(3-carboxy-1-oxo-3-sulfopropyl)-omega-(dodecyloxy)-, disodium salt)	39354-45-5	92	1,000	6,100
40	Agar	9002-18-0	110	1,200	2,200
41	Agarose, type VII (low gelling temperature); (Sepharose)	9012-36-6	30	330	2,000
42	Alamine 336	68814-95-9	17	180	1,100
43	Albumin (bovine)	9048-46-8	30	330	1.00E+05
44	Alcohol oxidase	9073-63-6	30	330	2,000
45	Alcohols, C6-C12 (N.O.S.)	68603-15-6	30	330	2,000
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	0.91	10	100
47	Aldrithiol-2; (2,2'-Dithiodipyridine)	2127-03-9	30	330	2,000
48	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4	2	22	130
49	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	0.18	2	12
50	Alizarine Red S, Monohydrate; (Sodium alizarin-3-sulfonate)	130-22-3	0.23	2.5	15
51	Alkanes, C4-C12	68333-81-3	1,400	1,800	23,000

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
52	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108	1.5	17	99
53	Alkyl benzenes (C8-C9)	z-0109	30	330	2,000
54	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5	4.7	48	48
55	Alkylamines	63231-48-1	30	330	2,000
56	Alkylbenzene (C10-C16)	68648-87-3	3.7	41	240
57	Alkylbenzyl dimethyl ammonium chloride, (C12-C18)	68391-01-5	0.22	2.5	60
58	Allene; (1,2-Propadiene)	463-49-0	11	120	720
59	Allyl alcohol	107-18-6	12	31	95
60	Allyl bromide; (3-Bromopropene)	106-95-6	5.4	60	360
61	Allyl chloride	107-05-1	8.8	170	440
62	Allyl chlorocarbonate	2937-50-0	0.31	3.4	10
63	Allyl isothiocyanate; (Mustard oil)	57-06-7	4.1	8.2	22
64	Allylamine	107-11-9	0.98	7.7	42
65	Allylmagnesium bromide	1730-25-2	30	330	2,000
66	Allyltrichlorosilane	107-37-9	4.3	52	240
67	Alpha, alpha, 4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	22	240	1,000
68	Alpha-hydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3	25	270	1,600

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			PAC-1	PAC-2	PAC-3
69	Aluminon	569-58-4	8.1	89	1,800
70	Aluminum	7429-90-5	3	33	200
71	Aluminum acetate, basic	7360-44-3	27	290	1,800
72	Aluminum carbide	1299-86-1	3	33	200
73	Aluminum chloride	7446-70-0	9.9	9.9	360
74	Aluminum chloride hexahydrate	7784-13-6	18	18	660
75	Aluminum fluoride	7784-18-1	19	59	360
76	Aluminum grey LB; (Acid black 60)	12218-95-0	30	330	2,000
77	Aluminum hexafluorosilicate	17099-70-6	11	120	700
78	Aluminum hydroxide	21645-51-2	3	79	120
79	Aluminum oxide hydrate	1333-84-2	1.5	15	25
80	Aluminum oxide; (Alumina)	1344-28-1	1.5	15	25
81	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7	3	260	540
82	Aluminum phosphide	20859-73-8	0.99	4.7	8.5
83	Aluminum potassium sulfate	10043-67-1	19	19	59
84	Aluminum potassium sulfate, dodecahydrate	7784-24-9	35	35	69
85	Aluminum sulfate	10043-01-3	13	13	41

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			PAC-1	PAC-2	PAC-3
86	Aluminum tris(dihydrogen phosphate); (Phosphoric acid, aluminum salt (3:1))	13530-50-2	3	33	200
87	Aluminum yellow 4A; (Acid yellow 99)	10343-58-5	30	330	2,000
88	Aluminum(III) isopropylate	555-31-7	3	370	2,200
89	Aluminum(III) nitrate (1:3)	13473-90-0	16	16	40
90	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	28	28	730
91	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	3	33	200
92	Amberlite IR-120(PLUS) ion-exchange resin	78922-04-0	3	33	200
93	Amberlite IR-120plus ion-exchange resin, sodium form; (Cation exchange resin)	9002-23-7	3	33	200
94	Amberlite IRA-400(Cl); (Amberlite IRA-400, ion-exchange resin)	9002-24-8	30	330	2,000
95	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8	30	330	2,000
96	Amberlite MB-1 ion-exchange resin; (Amberlite MB-150)	100915-96-6	15	170	990
97	Amberlite XAD-16 resin	104219-63-8	15	170	990
98	Amberlite XAD-2 resin, purified	9060-05-3	30	330	2,000
99	Amberlite XAD-7HP	37380-43-1	30	330	2,000
100	Amberlyst 15 ion-exchange resin	9037-24-5	30	330	2,000
101	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	1.1	12	72
102	Amino-1-propanol, 3-	156-87-6	8.3	91	550

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			PAC-1	PAC-2	PAC-3
103	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	18	190	1,200
104	Amino-2-methyl-2-propanol, 1-	2854-16-2	3.9	43	260
105	Amino-4,6-dinitrotoluene, 2-	35572-78-2	4.2	46	280
106	Aminoacetaldehyde diethyl acetal; (2,2-Diethoxyethylamine)	645-36-3	6	66	400
107	Aminoacetaldehyde dimethyl acetal; (2,2-Dimethoxyethylamine)	22483-09-6	30	330	2,000
108	Aminoanthraquinone, 2-	117-79-3	1.6	17	590
109	Aminobenzoic acid, p-	150-13-0	9.3	9.3	310
110	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	4.1	45	45
111	Aminodiphenyl, p-	92-67-1	0.49	5.4	99
112	Aminoethoxy)ethanol, 2-(2-	929-06-6	9	99	590
113	Aminoethyl)diphenylborinic acid, o-(2-; (Diphenylboronic acid, ethanolamine ester)	524-95-8	0.18	2	12
114	Aminoethylethanolamine	111-41-1	9	99	590
115	Aminoethylpiperazine, N-	140-31-8	0.45	4.9	420
116	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	0.23	2.5	15
117	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	30	330	2,000
118	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	4.4	48	260
119	Aminophenol, m-	591-27-5	0.056	0.61	51

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			PAC-1	PAC-2	PAC-3
120	Aminopropiophenone, 4-	70-69-9	0.51	5.6	35
121	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	13	140	860
122	Aminopropyltriethoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	0.34	3.8	350
123	Aminopterin; (Aminopteridine)	54-62-6	2.3	25	25
124	Aminopyrazine	5049-61-6	5.8	9.7	19
125	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	1.8	20	20
126	Amiton oxalate	3734-97-2	0.27	3	3
127	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	0.3	3.3	3.3
128	Amitrole	61-82-5	0.6	8.2	220
129	Ammonia	7664-41-7	21	110	770
130	Ammonia-d3	13550-49-7	25	130	900
131	Ammonium acetate	631-61-8	4.6	50	250
132	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	13	140	860
133	Ammonium benzoate	1863-63-4	2.5	27	160
134	Ammonium bicarbonate	1066-33-7	4.7	52	310
135	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	0.0022	0.024	0.14
136	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	30	330	2,000

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
137	Ammonium bromide	12124-97-9	8.1	89	530
138	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	0.23	2.6	15
139	Ammonium carbonate	506-87-6	0.31	3.5	21
140	Ammonium chloride	12125-02-9	20	41	330
141	Ammonium chromate	7788-98-9	0.015	0.15	46
142	Ammonium citrate	7632-50-0	1.1	12	72
143	Ammonium citrate tribasic	3458-72-8	0.69	7.7	46
144	Ammonium citrate, dibasic	3012-65-5	0.65	7.1	43
145	Ammonium dichromate	7789-09-5	0.12	0.13	38
146	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	12	130	790
147	Ammonium ferrous sulfate hexahydrate	7783-85-9	9.6	110	640
148	Ammonium fluoborate	13826-83-0	3.4	3.4	690
149	Ammonium fluoride	12125-01-8	15	160	980
150	Ammonium formate	540-69-2	3.7	41	240
151	Ammonium hexachlorohydrate (III)	z-0001	30	330	2,000
152	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	12	130	780
153	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	11	130	750

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			PAC-1	PAC-2	PAC-3
154	Ammonium hydrogen oxalate hemihydrate	37541-72-3	6	66	400
155	Ammonium hydroxide	1336-21-6	87	470	3,300
156	Ammonium iodide	12027-06-4	8.3	91	550
157	Ammonium lactate	515-98-0	30	330	2,000
158	Ammonium lignin sulfonate	8061-53-8	30	330	2,000
159	Ammonium molybdate(VI) tetrahydrate	12054-85-2	2.8	11	66
160	Ammonium molybdate; (Diammonium molybdate)	13106-76-8	20	20	130
161	Ammonium molybdophosphate	12026-66-3	2.4	27	160
162	Ammonium nickel sulfate	15699-18-0	1.5	13	79
163	Ammonium nitrate	6484-52-2	6.7	73	440
164	Ammonium oxalate monohydrate	5972-73-6	1.1	12	71
165	Ammonium oxalate; (Diammonium oxalate monohydrate)	6009-70-7	1.1	12	71
166	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	33	370	2,200
167	Ammonium pentaborate	12007-89-5	30	330	2,000
168	Ammonium perchlorate	7790-98-9	1.7	18	830
169	Ammonium permanganate	13446-10-1	7.5	12	72
170	Ammonium persulfate	7727-54-0	0.3	15	90

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			PAC-1	PAC-2	PAC-3
171	Ammonium phosphate dibasic; (Diammonium phosphate)	7783-28-0	30	330	2,000
172	Ammonium picrate	131-74-8	30	330	2,000
173	Ammonium polyacrylate	9003-03-6	30	330	2,000
174	Ammonium sulfamate	7773-06-0	30	35	5,000
175	Ammonium sulfate	7783-20-2	30	330	560
176	Ammonium sulfide	12135-76-1	0.89	9.8	20
177	Ammonium sulfite	10196-04-0	30	330	2,000
178	Ammonium sulfite monohydrate	7783-11-1	30	330	2,000
179	Ammonium tartrate; (Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, ammonium salt)	14307-43-8	30	330	2,000
180	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	0.8	8.8	53
181	Ammonium thiocyanate	1762-95-4	8.6	54	54
182	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	1.3	15	88
183	Ammonium tungstate(VI)	11120-25-5	4.1	45	270
184	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	0.032	0.32	45
185	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	1.2	14	81
186	Ammonium, tetraethyl-, bromide; (Tetraethyl ammonium bromide)	71-91-0	0.41	4.5	43
187	Ammonium, tetramethyl-, bromide; (Tetramethylammonium bromide)	64-20-0	0.15	1.7	9.9

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			PAC-1	PAC-2	PAC-3
188	Amosite	12172-73-5	0.05	0.83	5
189	Amphetamine; (Benzedrine)	300-62-9	1.8	20	20
190	Amyl acetate	628-63-7	530	530	21,000
191	Amyl alcohol; (1-Pentanol)	71-41-0	72	72	160
192	Amyl methyl ether, tert-; (TAME)	994-05-8	240	240	240
193	Amylamine, n-; (1-Pentylamine)	110-58-7	0.46	5.1	31
194	Amyltrichlorosilane; (Pentyltrichlorosilane)	107-72-2	5	61	280
195	Anhydrone; (Magnesium perchlorate)	10034-81-8	4.9	54	320
196	Aniline	62-53-3	30	46	76
197	Anisidine, o-	90-04-0	1.5	8.3	50
198	Anisidine, p-	104-94-9	0.5	0.5	50
199	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	1.6	18	110
200	Anthracene	120-12-7	0.27	3	530
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	4.8	52	310
202	Anthranilic acid	118-92-3	0.33	3.6	1,100
203	Anthraquinone	84-65-1	0.87	9.6	57
204	Antimony	7440-36-0	0.5	0.5	80

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			PAC-1	PAC-2	PAC-3
205	Antimony hydroxide	39349-74-1	2.1	18	110
206	Antimony oxide	1309-64-4	0.6	0.6	96
207	Antimony pentachloride	7647-18-9	3.7	33	200
208	Antimony pentafluoride	7783-70-2	0.89	2.7	140
209	Antimony pentasulfide	1315-04-4	2.5	22	130
210	Antimony potassium tartrate trihydrate	28300-74-5	1.7	1.7	220
211	Antimony trichloride	10025-91-9	0.94	0.94	150
212	Antimony trifluoride	7783-56-4	0.73	0.73	120
213	Antimycin A	1397-94-0	0.16	1.8	5.5
214	Antioxidant G-16 (most toxic antioxidant)	61373-87-3	0.98	11	65
215	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	4.5	89	400
216	Arginine, L-	74-79-3	30	330	2,000
217	Argon	7440-37-1	1.10E+05	3.80E+05	6.50E+05
218	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic)	64742-95-6	13	140	1,700
219	Aromatic isocyanate mixture "SWD 305A"	z-0111	4	20	125
220	Arsenic	7440-38-2	0.03	0.58	100
221	Arsenic acid; (o-Arsenic acid)	7778-39-4	0.057	0.54	190

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
222	Arsenic pentoxide	1303-28-2	0.73	8	150
223	Arsenic trioxide	1327-53-3	0.27	3.0	9.1
224	Arsenous acid	13464-58-9	0.05	28	170
225	Arsenous trichloride	7784-34-1	0.91	10	240
226	Arsine	7784-42-1	0.049	0.54	1.6
227	Asbestos	1332-21-4	0.05	0.55	3.3
228	Asbestos (Chrysotile)	12001-29-5	0.05	41	250
229	Ascaridole	512-85-6	0.069	0.76	40
230	Ascarite; (Asbestos, 1332-21-4)	81133-20-2	0.045	0.5	2.5
231	Ascorbic acid	50-81-7	46	500	1,800
232	Asphalt; (Bitumen)	8052-42-4a	0.5	5	30
233	Auramine; (4,4'-(Imidocarbonyl)bis(N,N-dimethylamine) monohydrochloride)	2465-27-2	0.49	5.4	53
234	Azaserine; (L-Serine, diazoacetate (ester))	115-02-6	0.51	5.6	34
235	Azinphos ethyl; (Ethyl guthion)	2642-71-9	0.35	3.9	17
236	Azinphos methyl; (Guthion)	86-50-0	0.2	0.7	20
237	Aziridine homopolymer; (Ethylenimine homopolymer; Poly(ethyleneimine))	9002-98-6	4.1	45	270
238	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	1.5	16	130

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
239	Azodicarbamide; (Azodicarbonamide)	123-77-3	0.48	5.3	170
240	Bacto peptone	51142-18-8	30	330	2,000
241	Barbituric acid	67-52-7	1.1	12	990
242	Barium	7440-39-3	1.5	4.5	1,100
243	Barium acetate; (Barium acetate anhydrous)	543-80-6	2.8	330	2,000
244	Barium carbonate	513-77-9	2.2	270	1,600
245	Barium chloride	10361-37-2	2.3	280	1,700
246	Barium chloride dihydrate	10326-27-9	2.7	330	2,000
247	Barium chromate	10294-40-3	0.15	25	150
248	Barium cyanide	542-62-1	2.1	250	1,500
249	Barium dioxide; (Barium peroxide)	1304-29-6	1.8	230	1,400
250	Barium diphenylamine sulfonate	6211-24-1	6.9	850	5,100
251	Barium fluoride	7787-32-8	1.9	230	1,400
252	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	2.5	320	1,900
253	Barium hydroxide	17194-00-2	1.9	230	1,400
254	Barium hydroxide octahydrate	12230-71-6	3.4	420	2,500
255	Barium metaborate	13701-59-2	1.5	20	1,100

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
256	Barium nitrate	10022-31-8	2.9	18	2,100
257	Barium nitrite	13465-94-6	2.5	300	1,800
258	Barium oxide	1304-28-5	1.7	200	1,200
259	Barium permanganate	7787-36-2	20	34	35
260	Barium phosphate	13466-20-1	150	1,700	10,000
261	Barium stearate	6865-35-6	7.5	83	500
262	Barium sulfate	7727-43-7	30	330	2,000
263	Basic Green 4; (Aizen malachite green)	569-64-2	0.13	1.4	8.7
264	Basic Red 1; (Rhodamine 6G extra base)	989-38-8	0.0081	0.089	1.3
265	Bathophenanthroline	1662-01-7	60	660	4,000
266	Bentonite; (Clay absorbent)	1302-78-9	0.21	2.3	14
267	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	0.031	0.34	2
268	Benzal chloride	98-87-3	0.21	2.3	14
269	Benzaldehyde	100-52-7	17	17	780
270	Benzamide	55-21-0	4.7	52	310
271	Benzenamine, sulfate (2:1)	542-16-5	30	330	2,000
272	Benzene	71-43-2	170	2,600	13,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
273	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	0.19	2.1	30
274	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	2.5	28	28
275	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	3.4	3.4	20
276	Benzene-d ₆ ; (Deuterated benzene)	1076-43-3	180	2,800	14,000
277	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	18	200	200
278	Benzenesulfonic acid, 4-chloro	98-66-8	1.5	17	99
279	Benzenesulfonic acid, 5-chloro-2	z-0114	1.5	17	99
280	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	0.33	3.6	5.8
281	Benzenethiol; (Thiophenol; Phenyl mercaptan)	108-98-5	0.45	2.4	7.2
282	Benzidene	92-87-5	0.03	0.33	61
283	Benzo(a)anthracene	56-55-3	1.2	13	79
284	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	0.6	1.6	700
285	Benzo(ghi)perylene	191-24-2	30	330	2,000
286	Benzo(k)fluoranthene	207-08-9	0.019	0.2	1.2
287	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7	1.2	13	79
288	Benzoic acid	65-85-0	2.8	31	830
289	Benzoic acid, sodium salt	532-32-1	20	220	810

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
290	Benzoin oxime	441-38-3	0.49	5.4	32
291	Benzonitrile	100-47-0	8.5	93	240
292	Benzophenone	119-61-9	1.5	33	310
293	Benzoquinone, p-; (Quinone)	106-51-4	0.89	0.89	300
294	Benzothiazole	95-16-9	1	11	75
295	Benzotriazole	95-14-7	1.2	13	77
296	Benzotrifluoride	98-08-8	19	39	1,300
297	Benzoyl chloride	98-88-4	1.7	29	110
298	Benzoyl peroxide	94-36-0	15	1,200	7,000
299	Benzyl acetate	140-11-4	61	61	84
300	Benzyl alcohol	100-51-6	130	220	220
301	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	0.45	4.9	230
302	Benzyl benzoate	120-51-4	1.9	21	380
303	Benzyl chloride	100-44-7	5.2	52	260
304	Benzyl chloroformate; (Carbobenzoxy chloride)	501-53-1	0.62	6.8	20
305	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	0.39	4.3	15
306	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	0.064	0.7	5.3

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
307	Benzylamine	100-46-9	2	22	130
308	Benzyl dimethylamine; (Dimethylbenzylamine, N,N-; BDMA)	103-83-3	0.061	0.67	79
309	Benzyl dimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	3.8	41	250
310	Benzylmagnesium chloride	6921-34-2	1.2	13	79
311	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	0.024	0.26	1.6
312	Beryllium	7440-41-7	0.0023	0.025	0.1
313	Beryllium chloride	7787-47-5	0.02	0.22	0.28
314	Beryllium fluoride	7787-49-7	0.012	0.13	0.89
315	Beryllium hydroxide	13327-32-7	0.011	0.12	0.48
316	Beryllium nitrate	13597-99-4	0.047	0.52	2.1
317	Beryllium oxide	1304-56-9	0.0063	0.069	0.28
318	Betaine, anhydrous; (Glycine betaine)	107-43-7	15	160	230
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	1.7	19	19
320	Bioxirane, 2,2'-; (1,2:3,4-Diepoxybutane)	1464-53-5	0.32	3.5	14
321	Biphenylol, 4-	92-69-3	0.81	8.9	32
322	Biphenylol, sodium salt, 2-	132-27-4	0.41	4.5	130
323	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	3	33	200

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
324	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	6	16	180
325	Bis(1-methylethyl)benzene, 1,4-; (p- or 1,4-Diisopropylbenzene)	100-18-5	2.5	27	160
326	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	3.1	34	210
327	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	5.7	63	220
328	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	8.1	89	770
329	Bis(2-chlorethylthioethyl) ether; (2,2'-Di(3-chloroethylthio)diethyl ether)	63918-89-8	0.15	1.6	9.8
330	Bis(2-chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	0.75	8.3	50
331	Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)	505-60-2	0.065	0.13	2.1
332	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8	0.028	0.3	1.8
333	Bis(2-chloroethylthio)methane	63869-13-6	0.025	0.28	1.7
334	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7	0.032	0.36	2.1
335	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8	0.035	0.38	2.3
336	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2	0.03	0.33	2
337	Bis(2-chloroethylthiomethyl)ether	63918-90-1	0.028	0.3	1.8
338	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	12	130	980
339	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	15	160	960
340	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	0.27	2.9	17

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
341	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	0.53	5.8	530
342	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	30	330	2,000
343	Bis(3-tert-butyl-4-hydroxy-6-methylphenyl) sulfide; (4,4'-Thiobis(6-tert-butyl-m-cresol))	96-69-5	3	30	460
344	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	0.025	0.27	1
345	Bis(chloromethyl)oxetane, 3,3-	78-71-7	0.18	2	7
346	Bis(dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	0.082	0.9	5.4
347	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	14	160	940
348	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	30	330	2,000
349	Bis[(benzo-15-crown-5)-15-ylmethyl] pimelate	69271-98-3	30	330	2,000
350	Bisbutylenetetrahydrofurfural; (2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	7.5	83	500
351	Bismuth	7440-69-9	15	170	990
352	Bismuth acetate	22306-37-2	30	330	2,000
353	Bismuth germanate	12233-73-7	17	200	1,200
354	Bismuth hydroxide	10361-43-0	1	3	100
355	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	2.9	32	630
356	Bismuth iodide	7787-64-6	1.2	13	79
357	Bismuth nitrate	10361-44-1	12	130	790

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
358	Bismuth oxide	1304-76-3	15	170	990
359	Bismuth oxychloride; (Bismuth chloride oxide)	7787-59-9	66	730	4,400
360	Bismuth(III) nitrate, pentahydrate	10035-06-0	0.03	0.33	15
361	Bisphenol A diglycidyl ether	1675-54-3	0.092	1	2.6
362	Bisphenol A; (4,4'-Isopropylidenediphenol)	80-05-7	5	5	240
363	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	1.8	20	20
364	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b))	z-0110	30	330	2,000
365	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	0.15	1.6	9.6
366	Borane-tetrahydrofuran	14044-65-6	15	25	125
367	Borate	14213-97-9	6	66	400
368	Boric acid	10043-35-3	6	78	230
369	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	3.5	39	230
370	Boron	7440-42-8	7.9	87	130
371	Boron carbide	12069-32-8	0.61	6.7	40
372	Boron nitride	10043-11-5	310	3,400	20,000
373	Boron oxide	1303-86-2	30	100	620
374	Boron tribromide	10294-33-4	3.4	75	410

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
375	Boron trichloride	10294-34-5	0.91	10	10
376	Boron trifluoride	7637-07-2	2.5	29	88
377	Boron trifluoride dihydrate	13319-75-0	3.8	44	135
378	Boron trifluoride etherate	109-63-7	5.2	61	184
379	Boron trifluoride-dimethyl ether	353-42-4	2.5	29	88
380	Botulinum toxin-A	93384-43-1	1.10E-07	1.20E-06	7.10E-06
381	Botulinum toxin-B	93384-44-2	1.10E-07	1.20E-06	7.40E-06
382	Botulinum toxin-F	107231-15-2	7.70E-08	8.50E-07	5.10E-06
383	Botulinum, clostridium	z-0119	4.90E-09	5.40E-08	3.20E-07
384	Brij-35; (alpha-Dodecyl-omega-hydroxypoly(oxyethylene))	9002-92-0	1	11	200
385	Brilliant blue; (Acid blue 9)	2650-18-2	30	330	2,000
386	Bromadiolone	28772-56-7	0.091	1	3.4
387	Bromine	7726-95-6	0.22	1.6	56
388	Bromine chloride	13863-41-7	2.4	12	36
389	Bromine pentafluoride	7789-30-2	0.71	7.1	240
390	Bromine trifluoride	7787-71-5	0.67	11	120
391	Bromo acetic acid, methyl ester	96-32-2	0.11	1.2	7.1

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
392	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	1.3	14	83
393	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	62	680	4,100
394	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3-chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2	4.2	46	280
395	Bromo-3-methylbutane, 1-	107-82-4	37	410	2,400
396	Bromoacetaldehyde diethyl acetal	2032-35-1	6	66	400
397	Bromoacetic acid	79-08-3	0.021	0.23	1.4
398	Bromoacetone	598-31-2	0.062	1.8	5.5
399	Bromoanisole, 3-; (1-Bromo-3-methoxybenzene)	2398-37-0	30	330	2,000
400	Bromobenzene; (Phenyl bromide)	108-86-1	0.51	5.6	900
401	Bromochlorobenzene, m-	108-37-2	30	330	2,000
402	Bromochlorobenzene, p-	106-39-8	30	330	2,000
403	Bromochloromethane	74-97-5	1,100	1,100	26,000
404	Bromocresol green; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-])	76-60-8	20	220	1,300
405	Bromocresol purple; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-6-methyl-])	115-40-2	16	170	1,000
406	Bromocyclohexanol, cis-2-	16536-57-5	0.91	5.5	290
407	Bromodecane, 1-	112-29-8	2.2	24	150
408	Bromodichloromethane	75-27-4	0.26	2.9	85

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
409	Bromododecane, 1-	143-15-7	6	66	400
410	Bromoethane; (Ethyl bromide)	74-96-4	67	300	16,000
411	Bromoethanol, 2-; (Ethylene bromohydrin)	540-51-2	0.022	0.24	36
412	Bromoethylmagnesium	925-90-6	1.2	13	79
413	Bromofluorobenzene, 4-; (p-Fluorobromobenzene)	460-00-4	12	130	790
414	Bromoform; (Tribromomethane)	75-25-2	15	69	160
415	Bromohexane; (n-Hexyl bromide)	111-25-1	120	1,300	7,600
416	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	30	330	2,000
417	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	6	66	400
418	Bromonaphthalene	90-11-9	2.4	27	160
419	Bromonitromethane	563-70-2	0.62	6.8	41
420	Bromooctane , 1-; (Octyl bromide)	111-83-1	15	170	990
421	Bromophenol blue; (Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2,6-dibromo-, S,S-dioxide))	115-39-9	30	330	2,000
422	Bromophenyl phenyl ether, 4-	101-55-3	0.29	3.2	19
423	Bromopropane, 1-	106-94-5	90	90	3,500
424	Bromopropane, 2-	75-26-3	110	1,200	6,900
425	Bromopyrene, 3-	1714-29-0	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
426	Bromosuccinimide, N-	128-08-5	1.7	19	110
427	Bromothymol blue; (Dibromothymolsulfonphthalein)	76-59-5	30	330	2,000
428	Bromotoluene, A-; (Benzyl bromide)	100-39-0	0.37	4.1	24
429	Bromotrichloromethane	75-62-7	0.71	7.9	47
430	Bromotrifluoroethylene	598-73-2	8.4	8.4	9,200
431	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	14,000	1.50E+05	2.40E+05
432	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	1.2	13	79
433	Brown menhaden fish oil	68440-42-6	30	330	2,000
434	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	0.1	1.1	36
435	Butadiene, 1,3-	106-99-0	1,500	12,000	49,000
436	Butanaminium, N,N,N-tributyl-1-, bromide; (Tetrabutylammonium bromide)	1643-19-2	30	330	2,000
437	Butane	106-97-8	13,000	40,000	1.30E+05
438	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	26	280	1,700
439	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	15	170	990
440	Butanediol dinitrate, 1,4-	3457-91-8	0.92	2.9	22
441	Butanediol, 1,3-	107-88-0	140	1,500	3,600
442	Butanediol, 1,4-; (1,4-Tetramethylene glycol)	110-63-4	0.22	2.5	150

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
443	Butanedione, 2,3-	431-03-8	4	44	180
444	Butanenitrile; (Butyronitrile)	109-74-0	23	23	23
445	Butanephosphonic acid	3321-64-0	0.06	0.4	2
446	Butanethiol; (n-Butyl mercaptan)	109-79-5	1.8	18	9,200
447	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	14	150	910
448	Butanol, aluminum salt, 2-	2269-22-9	55	590	3,600
449	Butanol-d10, n-	34193-38-9	69	170	28,000
450	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	36	36	180
451	Butanone, 2-; (Methyl ethyl ketone; MEK)	78-93-3	590	8,000	12,000
452	Butene, 1-; (Butylene)	106-98-9	1,200	1,200	14,000
453	Butene, 2-	107-01-7	1,700	2,500	15,000
454	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	1.50E+05	5.30E+05	9.20E+05
455	Butene, trans-2-; (trans-1,2-Dimethylethylene)	624-64-6	1,000	1,000	15,000
456	Butoxyethanol acetate, 2-; (Ethylene glycol monobutyl ether acetate)	112-07-2	130	130	480
457	Butoxyethanol phosphate, 2-	78-51-3	1.3	15	590
458	Butoxyethanol, 2-; (Glycol ether EB)	111-76-2	97	97	3,400
459	Butoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	66	66	1,100

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
460	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	0.27	3	18
461	Butoxypolypropylene glycol	9003-13-8	27	300	1,800
462	Butyl acetate, n-	123-86-4	24	950	14,000
463	Butyl acetate, sec-	105-46-4	2,800	7,800	47,000
464	Butyl acetate, tert-	540-88-5	2,800	7,800	47,000
465	Butyl acetoacetate, tert-	1694-31-1	15	170	990
466	Butyl acrylate, n-	141-32-2	43	680	2,500
467	Butyl alcohol, n-; (n-Butanol)	71-36-3	61	150	24,000
468	Butyl alcohol, sec-; (2-Butanol)	78-92-2	450	450	30,000
469	Butyl bis(2-ethylhexyl)phosphate	z-0002	9.3	12	12
470	Butyl bromide, n-; (1-Bromobutane)	109-65-9	25	270	1,600
471	Butyl chloroformate, n-	592-34-7	1.1	12	37
472	Butyl chloroformate, sec-	17462-58-7	1.1	12	37
473	Butyl ether, n-; (Dibutyl ether)	142-96-1	0.34	3.7	1,500
474	Butyl glycidyl ether, n-	2426-08-6	16	30	19,000
475	Butyl isocyanate, n-	111-36-4	0.053	0.093	1
476	Butyl isocyanate, tert-	1609-86-5	0.04	0.44	2.6

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
477	Butyl levulinate	2052-15-5	15	170	990
478	Butyl lithium	109-72-8	120	690	3,700
479	Butyl methyl-d3 ether, tert-	29366-08-3	190	2,100	20,000
480	Butyl perbenzoate, tert-	614-45-9	0.63	6.9	200
481	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	6.2	68	990
482	Butyl-2-methylcyclopropane, T-1-	38851-70-6	30	330	2,000
483	Butyl-3-iodo-2-propynylcarbamate	55406-53-6	3.3	36	220
484	Butylamine, (S)-sec-	513-49-5	1.1	13	75
485	Butylamine, n-	109-73-9	6	15	6,000
486	Butylamine, sec-	13952-84-6	6	30	30
487	Butylamine, tert-	75-64-9	0.1	1.1	170
488	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	0.65	7.2	43
489	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	5.8	63	380
490	Butylbenzene, tert-	98-06-6	9.1	100	600
491	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	7.5	83	500
492	Butylcyclohexanone, p-tert-	98-53-3	15	170	990
493	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8	15	170	990

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
494	Butyllithium, sec-	598-30-1	0.17	1.9	12
495	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	0.18	2	560
496	Butyltrichlorosilane	7521-80-4	4.7	57	260
497	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	0.6	2	6.5
498	Butyraldehyde	123-72-8	0.0042	0.046	8.2
499	Butyric acid, sodium salt	156-54-7	27	290	1,800
500	Butyric acid; (n-Butyric acid)	107-92-6	0.93	10	400
501	BZ; (3-Quinuclidinyl benzilate)	6581-06-2	0.0034	0.037	0.69
502	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1	3	25	150
503	C-18 Unsaturated fatty acid, dimers, reaction products with polyethylenepolyamines; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1	30	330	2,000
504	Cacodylic acid; (Arsenic acid, dimethyl-)	75-60-5	0.5	0.5	130
505	Cadmium	7440-43-9	0.1	0.76	4.7
506	Cadmium bromide	7789-42-6	0.073	20	120
507	Cadmium carbonate	513-78-0	0.046	13	77
508	Cadmium chloride	10108-64-2	0.049	0.36	82
509	Cadmium chloride hemipentahydrate; (Cadmium chloride, 2.5-hydrate)	7790-78-5	0.061	1	100
510	Cadmium fluoride	7790-79-6	0.04	11	67

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
511	Cadmium hydroxide	21041-95-2	0.039	11	65
512	Cadmium nitrate	10325-94-7	0.063	18	110
513	Cadmium nitrate tetrahydrate	10022-68-1	0.082	23	140
514	Cadmium nitrite	7790-83-2	0.055	15	91
515	Cadmium oxide	1306-19-0	0.36	4	57
516	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	0.12	1.3	300
517	Cadmium sulfate	10124-36-4	0.056	16	93
518	Cadmium sulfate, hydrate	7790-84-3	0.061	17	100
519	Cadmium sulfide	1306-23-6	0.039	1.5	64
520	Cadmium tungstate	7790-85-4	0.096	27	160
521	Cadmium(II) acetate	543-90-8	0.062	2.5	100
522	Calcium	7440-70-2	30	330	2,000
523	Calcium acetate	62-54-4	13	140	850
524	Calcium arsenate	7778-44-1	0.91	10	270
525	Calcium carbide	75-20-7	30	330	2,000
526	Calcium chloride	10043-52-4	3	33	200
527	Calcium chloride dihydrate	10035-04-8	7.4	81	490

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
528	Calcium chloride hexahydrate	7774-34-7	5	55	330
529	Calcium chloride hydrate	22691-02-7	4.9	54	330
530	Calcium chromate	13765-19-0	0.09	15	90
531	Calcium cyanamide	156-62-7	1.5	14	620
532	Calcium cyanide	592-01-8	3.8	13	28
533	Calcium fluoride	7789-75-5	15	32	1,000
534	Calcium formate	544-17-2	8	87	520
535	Calcium hydride	7789-78-8	1.2	13	79
536	Calcium hydroxide	1305-62-0	15	240	1,500
537	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	2.8	31	170
538	Calcium metasilicate	10101-39-0	30	330	2,000
539	Calcium monohydrogen phosphate dihydrate	7789-77-7	30	330	2,000
540	Calcium nitrite	13780-06-8	0.075	0.6	50
541	Calcium oxalate	563-72-4	15	50	50
542	Calcium oxalate, hydrate	5794-28-5	15	60	60
543	Calcium oxide	1305-78-8	6	110	660
544	Calcium phosphate tribasic	12167-74-7	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
545	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	20	35	350
546	Calcium phosphide	1305-99-3	0.67	7.4	13
547	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)	7778-18-9	30	330	2,000
548	Calcium sulfide	20548-54-3	15	170	990
549	Calcium trifluoromethanesulfonate	55120-75-7	22	250	1,500
550	Calcium(II) nitrate	10124-37-5	0.91	10	60
551	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	12	130	770
552	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	10	10	21
553	Camphor	76-22-2	19	19	200
554	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	0.82	9	54
555	Cantharidin	56-25-7	0.39	4.3	4.3
556	Caprolactam (dust)	105-60-2	3	3	10
557	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	13	140	850
558	Caprylyl chloride; (Octanoyl chloride)	111-64-8	30	330	2,000
559	CAPSO	73463-39-5	30	330	2,000
560	Captan	133-06-2	15	29	1,200
561	Carbachol chloride	51-83-2	1.4	15	15

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
562	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	26419-73-8	0.091	1	1
563	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde-O-(methylcarbamoyl)oxime, 2-)	116-06-3	0.027	0.3	9.5
564	Carbaryl	63-25-2	1.5	100	600
565	Carbazole	86-74-8	0.66	7.2	43
566	Carbazole violet	6358-30-1	60	660	4,000
567	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	30	330	2,000
568	Carbofuran	1563-66-2	0.1	0.43	0.57
569	Carbon black	1333-86-4	9	99	590
570	Carbon dioxide	124-38-9	54,000	54,000	90,000
571	Carbon disulfide	75-15-0	40	500	1,500
572	Carbon monoxide	630-08-0	95	95	380
573	Carbon tetrachloride	56-23-5	280	1,200	3,300
574	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	300	3,300	20,000
575	Carbon trifluoride; (Trifluoromethane; Fluoroform)	75-46-7	180	2,000	12,000
576	Carbon; (Graphite, synthetic)	7440-44-0	6	16	95
577	Carbonic acid, calcium salt	471-34-1	45	210	1,300
578	Carbonyl fluoride	353-50-4	0.76	0.76	2.2

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
579	Carbonyl sulfide	463-58-1	13	140	370
580	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	30	330	2,000
581	Carbophenothion; (Trithion)	786-19-6	0.62	6.8	6.8
582	Carboxymethyl cellulose	9000-11-7	31	340	2,000
583	Carboxymethyl sepharose; (CM sepharose)	68894-07-5	6	66	400
584	Casamino acids	z-0008	30	330	2,000
585	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9	30	330	2,000
586	Castor oil	8001-79-4	56	610	5,500
587	Catechol	120-80-9	23	23	51
588	Cation exchange resin 200-400 mesh Hyd. Dowex 50W-X8	11119-67-8	30	330	2,000
589	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5	30	330	2,000
590	Cellulase	9012-54-8	30	330	2,000
591	Cellulose	9004-34-6	30	260	260
592	Cellulose acetate butanoate	9004-36-8	30	330	2,000
593	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7	30	330	2,000
594	Ceric ammonium nitrate	16774-21-3	30	330	2,000
595	Ceric ammonium sulfate	7637-03-8	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
596	Ceric ammonium sulfate, dihydrate	10378-47-9	30	330	2,000
597	Ceric oxide	1306-38-3	0.16	1.8	200
598	Cerium	7440-45-1	30	330	2,000
599	Cerium acetate	537-00-8	0.08	0.88	5.3
600	Cerium chloride	7790-86-5	0.16	1.8	420
601	Cerium fluoride	7758-88-5	26	280	1,700
602	Cerium hydroxide	15785-09-8	0.75	2	75
603	Cerium nitrate hexahydrate	10294-41-4	13	140	830
604	Cerium oxalate	139-42-4	30	330	2,000
605	Cerium sulfate	13590-82-4	30	330	2,000
606	Cerium trioxide	1345-13-7	1.6	17	100
607	Cerium(III) sulfate	13454-94-9	6	66	400
608	Cerium(IV) hydroxide	12014-56-1	30	330	2,000
609	Cerium(IV) nitrate	13093-17-9	30	330	2,000
610	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	9.5	100	620
611	Cerous nitrite	z-0004	0.1	0.75	75
612	Cesium	7440-46-2	5.6	61	370

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
613	Cesium carbonate	534-17-8	7	77	460
614	Cesium chloride	7647-17-8	7.5	83	400
615	Cesium fluoride	13400-13-0	60	670	4,000
616	Cesium hydroxide	21351-79-1	2	2	110
617	Cesium iodide	7789-17-5	7.2	79	470
618	Cesium metaborate	92141-86-1	6	77	460
619	Cesium nitrate	7789-18-6	7.2	79	470
620	Cesium nitrite	13454-83-6	0.2	1.5	60
621	Cesium oxide	20281-00-9	6.4	70	420
622	Charcoal, activated	64365-11-3	30	330	2,000
623	Chloramben; (Amiben; 3-Amino-2,5-dichlorobenzoic acid)	133-90-4	11	120	690
624	Chloramphenicol	56-75-7	1.5	1.8	500
625	Chlordane	57-74-9	4.5	50	500
626	Chlorfenvinfos	470-90-6	0.91	10	10
627	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	0.11	1.2	32
628	Chloride; (Chloride(1-); Chloride ions)	16887-00-6	1.4	3.7	43
629	Chlorinated polyolefins	68410-99-1	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
630	Chlorine	7782-50-5	1.4	5.8	58
631	Chlorine dioxide	10049-04-4	0.41	3	6.6
632	Chlorine Hi dry granular (as Cl)	z-0006	1.4	3.7	43
633	Chlorine pentafluoride	13637-63-3	1.6	5.3	43
634	Chlorine trifluoride	7790-91-2	0.45	7.6	79
635	Chlormephos	24934-91-6	0.64	7	7
636	Chlormequat chloride; (Choline dichloride)	999-81-5	0.64	7	11
637	Chloro-1,1,1,2-tetrafluoroethane, 2-	2837-89-0	5,600	28,000	56,000
638	Chloro-1,1-difluoroethane, 1-; (HCFC-142b)	75-68-3	41,000	62,000	1.00E+05
639	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	0.019	0.2	22
640	Chloro-1-butanol, 4-	928-51-8	0.53	5.8	110
641	Chloro-2,4-dinitrobenzene, 1-	97-00-7	0.58	6.4	150
642	Chloro-2-methyl-1-propene, 3-	563-47-3	0.55	6.1	36
643	Chloro-2-methyl-4-isothiazolin-3-one, 5-	26172-55-4	0.2	0.2	0.2
644	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	0.43	4.8	830
645	Chloro-2-nitrophenol, 4-	89-64-5	0.3	3.3	20
646	Chloro-4-nitrophenol, 2-	619-08-9	2.7	30	180

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
647	Chloroacetaldehyde	107-20-0	4.2	7.1	32
648	Chloroacetaldehyde dimethyl acetal	97-97-2	6	66	400
649	Chloroacetic acid, sodium salt	3926-62-3	3.1	3.1	19
650	Chloroacetic acid; (Monochloroacetic acid)	79-11-8	2.3	25	92
651	Chloroacetone	78-95-5	1.5	17	49
652	Chloroacetonitrile	107-14-2	9	99	210
653	Chloroacetyl chloride	79-04-9	0.18	7.4	240
654	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3	0.062	0.69	99
655	Chloroaniline, p-	106-47-8	2.2	25	100
656	Chlorobenzene; (Benzene chloride)	108-90-7	46	690	1,800
657	Chlorobenzotrifluoride, 2-	88-16-4	4.8	53	320
658	Chlorobenzylate; (4,4'-Dichlorobenzilic acid ethyl ester)	510-15-6	0.26	2.9	140
659	Chlorobenzylidene malononitrile, o-; (Tear Gas)	2698-41-1	0.050	0.50	11
660	Chlorobutane, 1-; (Butyl chloride)	109-69-3	5.6	61	1,200
661	Chlorobutane, 2-; (sec-Butyl chloride)	78-86-4	0.47	5.2	1,200
662	Chlorobutyryl chloride, 4-	4635-59-0	0.43	4.8	29
663	Chlorocyclohexanol, trans-2-	6628-80-4	2.7	30	180

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
664	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	290	2,400	12,000
665	Chlorodecane, 1-	1002-69-3	350	1,800	11,000
666	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	27	81	490
667	Chlorodifluoromethane; (Freon 22; CFC 22)	75-45-6	4,400	7,500	8,600
668	Chloroethanesulfonyl chloride, 2-	1622-32-8	0.23	2.5	19
669	Chloroethyl chloroformate	627-11-2	1.8	20	20
670	Chloroethyl phenyl sulfide, 2-	5535-49-9	0.33	3.7	22
671	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	0.64	7	42
672	Chloroethylchloromethylsulfide, 2-	2625-76-5	0.059	0.12	1.9
673	Chloroform	67-66-3	9.8	310	16,000
674	Chloroform-d; (Deuterated chloroform)	865-49-6	9.8	310	16,000
675	Chloro-m-cresol, 4-	59-50-7	5.5	60	360
676	Chloromethyl methyl ether	107-30-2	0.14	1.5	6.6
677	Chloromethyl(trichloro)silane	1558-25-4	4.5	55	250
678	Chloronaphthalene, 1-; (alpha-Chloronaphthalene)	90-13-1	4.6	51	310
679	Chloronaphthalene, 2-; (beta-Chloronaphthalene)	91-58-7	0.6	69	410
680	Chloronitrobenzene, p-; (p-Nitrochlorobenzene)	100-00-5	1.2	1.2	1,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
681	Chloroperoxybenzoic acid, 3-	937-14-4	0.023	0.26	1.5
682	Chlorophacinone	3691-35-8	0.091	1	1
683	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	1.5	17	99
684	Chlorophenol, m-	108-43-0	2.1	23	140
685	Chlorophenol, o-	95-57-8	1.3	15	140
686	Chlorophenyl phenyl ether, 4-	7005-72-3	5	55	330
687	Chlorophenyl thiourea, 2-	5344-82-1	0.42	4.6	4.6
688	Chloropicrin/Methyl bromide mixture	8004-09-9	0.33	1	9.31
689	Chloropicrin/Methyl chloride mixture	z-0007	0.17	0.5	4.66
690	Chloropicrin; (Trichloronitromethane)	76-06-2	0.34	1	9.4
691	Chloroprene; (beta-Chloroprene; Neoprene)	126-99-8	36	36	1,400
692	Chloropropanol, 3-; (1-Propanol, 3-chloro-)	627-30-5	6.9	76	460
693	Chloropropionitrile, 3-	542-76-7	0.82	9	20
694	Chloropropyl)trimethoxysilane, 3-; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	0.94	10	1,300
695	Chloropropylene, 2-	557-98-2	120	1,300	9,300
696	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	0.73	8	1,100
697	Chloro-p-toluenesulfonamide sodium salt, N-; (Chloramine T)	127-65-1	0.052	0.57	33

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
698	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7	0.0032	0.038	0.14
699	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5	0.092	1	6.1
700	Chlorosulfonic acid; (Chlorosulfuric acid)	7790-94-5	0.10	4.4	25
701	Chlorothalonil; (Tetrachloroisophthalonitrile)	1897-45-6	0.56	6.1	8.6
702	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	390	390	880
703	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	13	150	1,200
704	Chlorotrifluoroethene, homopolymer	9002-83-9	0.53	5.8	180
705	Chlorotrifluoroethylene	79-38-9	76	410	2,000
706	Chlorotrifluoromethane; (CFC-13)	75-72-9	13,000	1.40E+05	8.50E+05
707	Chlorovinylarsine dichloride; (Lewisite 1)	541-25-3	0.12	0.12	0.74
708	Chloroxuron	1982-47-4	0.91	10	68
709	Chlorpyrifos; (Dursban)	2921-88-2	0.6	1.1	8.8
710	Chlorsulfuran	64902-72-3	3.9	43	260
711	Chlorthiophos	21923-23-9	0.71	7.8	7.8
712	Chromates	13907-45-4	0.096	0.1	30
713	Chromic acetate; (Chromium(III) acetate)	1066-30-4	6.6	78	470
714	Chromic chloride; (Chromium(III) chloride)	10025-73-7	4.6	25	87

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
715	Chromic oxide; (Chromium(III) oxide; Chromium sesquioxide)	1308-38-9	2.2	3.8	23
716	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	5.7	6.3	38
717	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	0.096	0.1	30
718	Chromic(III) hydroxide; (Chromic acid (H ₃ CrO ₃); Chromium trihydroxide)	1308-14-1	3	33	200
719	Chromite; (Chromite (mineral))	1308-31-2	0.32	3.6	22
720	Chromium	7440-47-3	1.5	17	99
721	Chromium nitrate	10103-47-6	14	160	930
722	Chromium perchlorate, hydrated	13537-21-8	10	110	670
723	Chromium(III) acetate hydroxide	39430-51-8	7.2	79	480
724	Chromium(III) chloride, hexahydrate	10060-12-5	7.7	59	350
725	Chromium(III) fluoride	7788-97-8	3.1	14	83
726	Chromium(III) nitrate	13548-38-4	6.9	110	640
727	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2	2.5	27	160
728	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	7.4	7.4	44
729	Chromium(VI) hydroxide	12626-43-6	0.089	15	89
730	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	3.5	62	370
731	Chrysene (coal tar volatile)	218-01-9	0.6	120	700

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
732	Cinnamaldehyde	104-55-2	14	150	670
733	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	30	330	660
734	Citric acid	77-92-9	0.37	4	590
735	Citric acid monohydrate	5949-29-1	2.3	25	150
736	Citric acid, trisodium salt, dihydrate	6132-04-3	9.3	100	610
737	Coal tar pitch volatiles; (Particulate polycyclic aromatic hydrocarbons)	65996-93-2	0.6	36	700
738	Coal tar, aerosol	8007-45-2	2.4	26	160
739	Cobalt	7440-48-4	0.18	2	20
740	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	2.1	23	140
741	Cobalt carbonyl	10210-68-1	0.27	0.27	7.3
742	Cobalt chloride	7646-79-9	0.13	6.9	1,100
743	Cobalt hydrocarbonyl	16842-03-8	0.29	0.9	3
744	Cobalt hydroxide	21041-93-0	0.095	1.1	6.3
745	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	0.3	23	140
746	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	0.19	14	86
747	Cobalt nitrite	32486-57-0	0.15	1.7	10
748	Cobalt oxide; (Cobaltic-cobaltous oxide)	1308-06-1	0.082	4.5	27

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
749	Cobalt sulfate	10124-43-3	0.16	0.96	84
750	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	0.29	2.3	120
751	Cobalt tetraphenylporphine	14172-90-8	30	330	2,000
752	Cobalt(II) chloride hexahydrate	7791-13-1	0.24	0.98	150
753	Cobalt(II) oxide	1307-96-6	0.076	1.4	25
754	Cobalt(II) perchlorate, hexahydrate	13478-33-6	0.37	5.8	35
755	Cobalt(II) sulfate hydrate	60459-08-7	0.18	1.9	12
756	Cobalt, ((2,2'-(1,2-ethanediylobis(nitrilomethylidene))bis(6-fluorophenolato))(2-)-N,N',O,O')-; (Fluomine)	62207-76-5	0.27	3	5.7
757	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7	0.22	13	80
758	Cobaltous carbonate	513-79-1	0.12	21	130
759	Colchicine	64-86-8	0.082	0.9	0.9
760	Copper	7440-50-8	1	1	45
761	Copper cyanide; (Copper(I) cyanide; Cuprous cyanide)	544-92-3	4.2	42	250
762	Copper hydroxide; (Copper(II) hydroxide, Cupric hydroxide)	20427-59-2	4.6	18	110
763	Copper nitrate; (Cupric nitrate)	3251-23-8	8.9	26	160
764	Copper oxide; (Copper(I) oxide)	1317-39-1	0.6	16	93
765	Copper sulfate; (Copper(II) sulfate)	7758-98-7	2.5	2.5	55

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
766	Copper(I) chloride; (Cuprous chloride)	7758-89-6	4.6	4.6	28
767	Copper(I) sulfide	22205-45-4	3.8	43	260
768	Copper(II) acetate monohydrate	6046-93-1	9.4	23	140
769	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	5.2	45	270
770	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	2.1	2.1	28
771	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	8	89	530
772	Copper(II) oxalate	814-91-5	7.3	79	480
773	Copper(II) perchlorate, dihydrate	17031-32-2	4.7	4.7	11
774	Copper(II) sulfate pentahydrate	7758-99-8	12	60	1,200
775	Copper(II) sulfide	1317-40-4	4.5	50	300
776	Corn oil	8001-30-7	280	3,000	18,000
777	Coumaphos	56-72-4	0.27	3	13
778	Coumarin	91-64-5	0.018	0.2	58
779	Coumatetralyl; (Endrocide)	5836-29-3	1.5	16.5	16.5
780	Creosote (coal tar)	8001-58-9	0.6	18	700
781	Cresols	1319-77-3	20	110	1,100
782	Cresyl violet acetate	10510-54-0	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
783	Crimidine; (Castrix)	535-89-7	0.11	1.2	1.2
784	Cristobalite	14464-46-1	0.075	0.41	41
785	Crocidolite	12001-28-4	0.05	0.35	250
786	Crotonaldehyde	4170-30-3	0.54	13	40
787	Crotonaldehyde, trans-	123-73-9	0.54	13	40
788	Crotonic Acid	3724-65-0	3	33	200
789	Crystal violet; (Aniline violet)	548-62-9	0.03	0.33	83
790	Cs7SB; (1-(2,2,3,3-Tetrafluoropropoxy)-3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	33	370	2,200
791	Cube Resin other than Rotenone	z-0122	30	330	2,000
792	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	7	7	60
793	Cumene; (Isopropyl benzene)	98-82-8	250	1,500	3,600
794	Cumenol methylcarbamate, m-; (3-(1-Methylethyl)phenol methylcarbamate)	64-00-6	1.5	16	16
795	Cupferron; (Ammonium-N-nitrosophenylhydroxylamine)	135-20-6	1.7	18	39
796	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	2.9	2.9	99
797	Cupric nitrate hemipentahydrate	19004-19-4	11	130	750
798	Cupric nitrite	14984-71-5	0.075	0.6	60
799	Cupric oxide	1317-38-0	0.75	4.6	28

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
800	Cyanamide	420-04-2	2	2	3.3
801	Cyanic acid; (Hydrogen cyanate)	420-05-3	44	500	3,000
802	Cyanide	57-12-5	8.3	8.3	50
803	Cyanoacetamide	107-91-5	2.8	30	180
804	Cyanogen	460-19-5	4.3	18	53
805	Cyanogen bromide	506-68-3	20	44	200
806	Cyanogen chloride	506-77-4	0.091	1	10
807	Cyanogen iodide	506-78-5	29	180	290
808	Cyanoguanidene; (Guanidine, cyano-; Dicyandiamido)	461-58-5	22	250	4,000
809	Cyanophos	2636-26-2	2.3	25	25
810	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	10	10	1,500
811	Cyanuric chloride	108-77-0	0.15	1.6	3.8
812	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	0.17	0.17	87
813	Cyclohexane	110-82-7	340	340	34,000
814	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	30	330	2,000
815	Cyclohexanediamine, 1,2-	694-83-7	1.9	21	120
816	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	9.6	110	630

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
817	Cyclohexanol	108-93-0	200	200	14,000
818	Cyclohexanone; (Ketoexamethylene)	108-94-1	80	80	20,000
819	Cyclohexene	110-83-8	1,000	1,000	34,000
820	Cycloheximide	66-81-9	0.18	2	2
821	Cyclohexyl isocyanate	3173-53-3	0.0077	0.085	0.51
822	Cyclohexyl methyl phosphonic acid	1932-60-1	30	330	2,000
823	Cyclohexylamine	108-91-8	7.3	35	120
824	Cyclohexylamino)-1-propanesulfonic acid, 3-(-; (CAPS)	1135-40-6	0.69	7.6	46
825	Cyclohexylethanol, 2-	4442-79-9	2.8	31	190
826	Cyclooctadiene, 1,5-	111-78-4	5.1	57	340
827	Cyclooctane	292-64-8	15	170	1,000
828	Cyclooctatetraene, 1,3,5,7-	629-20-9	2.80E+05	9.80E+05	1.70E+06
829	Cyclooctene, cis-	931-87-3	2.5	27	160
830	Cyclopentane	287-92-3	1,700	11,000	11,000
831	Cyclopentanone	120-92-3	140	140	860
832	Cyclopropane	75-19-4	22	240	8,700
833	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	19	210	1,300

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
834	Cyclotol; (RDX-TNT mixture)	8065-53-0	3	15	60
835	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	3	12	20
836	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	6.8	74	450
837	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	10	15	500
838	DDD; (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	1.2	13	4,700
839	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	2.4	26	170
840	DDT; (Dichlorodiphenyltrichloroethane)	50-29-3	1	1	38
841	DEAE Sepharose CL-6B	62610-50-8	30	330	2,000
842	Decaborane	17702-41-9	0.75	10	100
843	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	2,100	4,100	5,000
844	Decahydronaphthalene	91-17-8	0.18	2	180
845	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	0.18	2	180
846	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	0.18	2	180
847	Decamethylcyclopentasiloxane	541-02-6	5.6	62	100
848	Decanal	112-31-2	11	120	740
849	Decane	124-18-5	11	120	2,500
850	Decene, 1-, homopolymer, hydrogenated	68037-01-4	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
851	Decyl alcohol; (1-Decanol)	112-30-1	0.32	3.5	930
852	Demeton	8065-48-3	0.18	2	20
853	Demeton-S-methyl	919-86-8	0.45	5	22
854	Deoxyribonucleic acid; (DNA)	9007-49-2	10	110	670
855	Deuterium	7782-39-0	11,000	38,000	66,000
856	Deuterium oxide; (Heavy water)	7789-20-0	0.61	6.7	40
857	Deuteriochloric acid; (Deuterium chloride)	7698-05-7	2.8	34	150
858	Dextran	9004-54-0	0.21	2.3	300
859	Dextran sulfate sodium	9011-18-1	2.7	29	4,100
860	Di(ethylene glycol) diacrylate	4074-88-8	0.75	8.3	50
861	Di-2-ethylhexyl adipate	103-23-1	0.74	8.2	1,500
862	Diacetoxydibutyl stannane	1067-33-0	0.59	0.82	6.3
863	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	0.57	6.3	38
864	Dialifor	10311-84-9	0.45	5	5
865	Diallyl phthalate	131-17-9	15	33	140
866	Diallyldimethylammonium chloride	7398-69-8	7.6	83	770
867	Diallyldimethylammonium chloride polymer	26062-79-3	2.2	24	590

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
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	30	330	2,000
869	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	0.088	0.97	140
870	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	0.72	7.9	200
871	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	2.2	24	150
872	Diaminopyridine, 2,6-	141-86-6	0.33	3.6	22
873	Diammonium dimolybdate; (Ammonium molybdenum oxide)	27546-07-2	2.6	29	170
874	Diamond	7782-40-3	2.3	25	1,100
875	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	0.021	0.23	4.2
876	Diatomaceous earth (flux calcinated; Filter agent, celite; Amorphous silica)	68855-54-9	0.9	9.9	59
877	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-2	18	200	1,200
878	Diatomaceous silica, calcined	91053-39-3	0.9	9.9	59
879	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	0.19	2.1	340
880	Diazabicyclo(5.4.0)undec-7-ene, 1,8-	6674-22-2	1.2	13	79
881	Diazoacetic acid, ethyl ester; (Ethyl diazoacetate)	623-73-4	0.037	0.41	79
882	Diazomethane	334-88-3	1	3.4	3.4
883	Dibenza(a,h)anthracene	53-70-3	0.034	0.37	4.5
884	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
885	Dibenzofuran	132-64-9	30	330	2,000
886	Dibenzo-p-dioxin	262-12-4	0.11	1.2	240
887	Diborane	19287-45-7	0.11	1.1	4.2
888	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	0.029	3.9	4.3
889	Dibromo-4-nitrophenol, 2,6-	99-28-5	0.18	2	12
890	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	7.4	73	73
891	Dibromohexane, 1,6-	629-03-8	0.89	9.7	58
892	Dibromomethane; (Methylene dibromide)	74-95-3	1.6	18	1,400
893	Dibromophenol, 2,6-	608-33-3	0.5	2.5	2.5
894	Dibromopropane, 1,3-	109-64-8	1.6	17	100
895	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	460	5,100	30,000
896	Dibutyl (2-ethylhexyl)phosphate	z-0011	7.9	9.2	9.2
897	Dibutyl butylphosphonate	78-46-6	0.18	2	12
898	Dibutyl peroxide, tert-	110-05-4	0.46	5.1	1,100
899	Dibutyl phosphate	107-66-4	17	180	1,100
900	Dibutyl phosphite	1809-19-4	13	150	880
901	Dibutyl phthalate	84-74-2	15	31	9,300

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
902	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	36	400	2,400
903	Dibutylhexamethylenediamine, N,N'-	4835-11-4	0.2	2.2	9.7
904	Dibutyltin dilaurate; (Dibutylbis(lauroyloxy)stannane)	77-58-7	1.1	3.3	5.2
905	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	7.2	79	480
906	Dichloro(4,4-dimethylzinc -5(((methylamino)carbonyl)oxy)imino)pentanenitrile), (trans-4)-; (Ethienocarb)	58270-08-9	0.82	9	9
907	Dichloro-1,1,1-trifluoroethane, 2,2-; (HCFC-123)	306-83-2	570	6,300	63,000
908	Dichloro-1-fluoroethane, 1,1-; (HCFC-141b; Freon 141)	1717-00-6	4,800	8,100	14,000
909	Dichloro-2-butene, 1,4-	764-41-0	0.077	0.65	60
910	Dichloro-2-propanol, 1,3-	96-23-1	0.31	3.5	26
911	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	1.2	13	13
912	Dichloroacetic acid	79-43-6	7.9	36	560
913	Dichloroacetyl chloride	79-36-7	0.24	9.6	310
914	Dichloroacetylene	7572-29-4	0.035	0.39	52
915	Dichloroamine; (Chlorimide)	3400-09-7	0.18	2	12
916	Dichlorobenzene, m-	541-73-1	16	16	230
917	Dichlorobenzene, o-	95-50-1	300	300	6,000
918	Dichlorobenzene, p-	106-46-7	60	60	6,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
919	Dichlorobenzidene, 3,3'-	91-94-1	0.36	4	760
920	Dichlorocyclohexane, 1,1'-	2108-92-1	4.7	38	190
921	Dichlorocyclohexane, trans-1,2'-	822-86-6	4.7	38	190
922	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	4,900	49,000	2.50E+05
923	Dichloroethanol acetate, 1,2'-	10140-87-1	1	11	11
924	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane; Bis(2-chloroethyl)ether)	111-44-4	58	150	1,500
925	Dichloroethylaluminum	563-43-9	10	10	10
926	Dichloroethylbenzene; (Ethylidichlorobenzene)	1331-29-9	17	180	1,100
927	Dichloroethylene, 1,2'-	540-59-0	790	790	16,000
928	Dichloroethylene, cis-1,2'-	156-59-2	550	2,000	3,400
929	Dichloroethylene, trans-1,2'-	156-60-5	1,100	4,000	6,700
930	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	380	4,200	2.10E+05
931	Dichlorohexane, 1,2'-	2162-92-7	4.8	38	190
932	Dichlorohexane, 1,6'-	2163-00-0	12	130	790
933	Dichloroisopropyl ether	108-60-1	0.37	4.1	140
934	Dichloromethane-d2	1665-00-5	710	2,000	25,000
935	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	0.89	9.8	17

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
936	Dichloromethyl ether; (bis(Chloromethyl)ether)	542-88-1	0.019	0.21	0.85
937	Dichloromethylphenylsilane	149-74-6	1.8	20	20
938	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	0.32	3.5	21
939	Dichlorooctane, 1,8-	2162-99-4	7.5	83	500
940	Dichlorophene	97-23-4	4.5	50	300
941	Dichlorophenol, 2,4-	120-83-2	1.3	13	130
942	Dichlorophenol, 2,6-	87-65-0	8.8	97	580
943	Dichlorophenoxyacetic acid, 2,4-; (2,4-D)	94-75-7	14	14	500
944	Dichloropropane	26638-19-7	4.4	51	190
945	Dichloropropane, 1,1-	78-99-9	11	120	720
946	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	140	230	9,200
947	Dichloropropane, 1,3-	142-28-9	4.5	49	190
948	Dichloropropane, 2,2-	594-20-7	11	120	720
949	Dichloropropene, 1,1-	563-58-6	6	66	400
950	Dichloropropene, 1,2-	563-54-2	6	66	400
951	Dichloropropene, 1,3-; (including cis- and trans- isomers)	542-75-6	14	88	530
952	Dichloropropene, 2,3-	78-88-6	1.6	18	110

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
953	Dichloropropene, cis-1,2-; (1,2-Dichloro-1-propene, (Z)-)	6923-20-2	6	66	400
954	Dichlorosilane	4109-96-0	3.7	45	210
955	Dichlorotetrafluoroethane	1320-37-2	1,500	16,000	60,000
956	Dichlorotetrafluoroethane, 1,2-; (Freon 114, CFC 114)	76-14-2	7,000	70,000	3.50E+05
957	Dichlorovos; (Dichlorvos)	62-73-7	1.8	20	200
958	Dicrotophos	141-66-2	0.082	0.9	4
959	Dicyclohexano-18-crown-6	16069-36-6	0.15	1.6	35
960	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	6	66	400
961	Dicyclohexylcarbodiimide	538-75-0	0.12	1.3	8
962	Dicyclopentadiene	77-73-6	0.054	27	410
963	Didecyldimethylammonium chloride	7173-51-5	0.3	3.3	17
964	Dieldrin	60-57-1	0.3	2.5	450
965	Diesel fuel marine; (Diesel fuel No. 4)	z-0012	100	100	8,500
966	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	100	100	2,400
967	Diesel fuels	68334-30-5	100	100	1,500
968	Diethanolamine	111-42-2	3	5.1	130
969	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (Dowex 50-X8 resin)	69011-20-7	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
970	Diethoxydimethylsilane	78-62-6	17	190	1,100
971	Diethyl (methylthiomethyl) phosphonate	28460-01-7	0.3	3.3	20
972	Diethyl benzene isomers; (Dowtherm J)	25340-17-4	55	550	2,700
973	Diethyl carbonate	105-58-8	2	22	340
974	Diethyl chlorophosphate	814-49-3	0.73	8	8
975	Diethyl ethylphosphonate	78-38-6	0.37	4.1	460
976	Diethyl malonate; (Ethyl malonate)	105-53-3	45	500	3,000
977	Diethyl mercury	627-44-1	0.039	0.052	13
978	Diethyl methylphosphonate; (DEMP)	683-08-9	7.3	81	480
979	Diethyl oxalate	95-92-1	1.2	13	79
980	Diethyl phosphite	762-04-9	12	130	770
981	Diethyl phthalate; (Ethyl phthalate)	84-66-2	5	5	1,700
982	Diethyl pyrocarbonate	1609-47-8	3.7	41	240
983	Diethyl sulfate	64-67-5	0.084	0.93	61
984	Diethyl tartrate	87-91-2	30	330	2,000
985	Diethyl telluride	627-54-3	0.1	0.1	1.1
986	Diethyl trichloromethylphosphonate	866-23-9	2.4	26	160

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
987	Diethylamine	109-89-7	45	45	6,000
988	Diethylaminoacetone	1620-14-0	7.9	53	260
989	Diethylaminopropylamine	104-78-9	1.7	18	110
990	Diethylaniline, N,N-	91-66-7	1.3	14	85
991	Diethylbenzene, m-	141-93-5	31	340	2,000
992	Diethylbenzene, o-	135-01-3	4.8	53	700
993	Diethyldichlorosilane	1719-53-5	5.8	71	320
994	Diethylene glycol	111-46-6	30	350	1,100
995	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	13	140	850
996	Diethylene glycol diacetate; (2,2'-Oxybisethanol diacetate)	628-68-2	73	810	4,800
997	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	82	91	1,100
998	Diethylene glycol hexyl ether; (n-Hexyl carbitol)	112-59-4	1.3	15	480
999	Diethylenetriamine	111-40-0	4.2	4.2	4.2
1000	Diethylenetriaminepentaacetic acid	67-43-6	3.5	39	230
1001	Diethylethanolamine, N,N-; (Diethylaminoethanol)	100-37-8	9.6	9.6	2,400
1002	Diethylphosphatoethyltriethoxy silane	757-44-8	52	570	3,400
1003	Diethylstilbestrol; ((E)-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol)	56-53-1	0.018	0.2	13

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1004	Diethylthiourea, N,N'-	105-55-5	0.11	1.2	63
1005	Diethylurea, 1,3-	623-76-7	22	240	1,400
1006	Diethylzinc	557-20-0	0.34	3.7	22
1007	Difluoroethane; (1,1-Difluoroethane; HFC 152a)	75-37-6	27,000	40,000	67,000
1008	Digitoxin	71-63-6	0.016	0.18	0.31
1009	Diglycidyl ether	2238-07-5	4.1	45	130
1010	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	1.1	12	2,200
1011	Digoxin	20830-75-5	0.018	0.2	0.25
1012	Dihexyl((diethylcarbamoyl)methyl)phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	3	33	200
1013	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	0.37	4.1	310
1014	Dihydro-2H-pyran, 3,4-	110-87-2	0.23	2.5	15
1015	Dihydro-3-(nonenyl)-2,5-furandione	28928-97-4	30	330	2,000
1016	Dihydro-4-methyl furan, 2,3-	34314-83-5	1.1	13	76
1017	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	0.013	3.2	19
1018	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	0.26	2.8	17
1019	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	3.8	41	250
1020	Dihydroxyanthraquinone, 1,8-; (Dantrolen)	117-10-2	6.7	73	440

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1021	Dihydroxybenzoic acid, 2,4-	89-86-1	0.087	0.95	170
1022	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	30	330	2,000
1023	Diiodomethane; (Methylene iodide)	75-11-6	100	1,100	6,700
1024	Diisoamylamine	544-00-3	0.23	2.6	15
1025	Diisobutyl ketone	108-83-8	150	150	12,000
1026	Diisobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	31	280	1,700
1027	Diisobutylamine	110-96-3	0.77	8.5	51
1028	Diisooctyl acid phosphate	27215-10-7	6	66	400
1029	Diisopropyl methylphosphonate	1445-75-6	0.58	6.4	160
1030	Diisopropyl peroxydicarbonate	105-64-6	6.4	71	420
1031	Diisopropylamine	108-18-9	21	21	4,100
1032	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	0.008	0.088	0.53
1033	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0	1.5	17	99
1034	Diisopropylaniline, 2,6-	24544-04-5	5.9	65	630
1035	Diisopropylbenzene, 1,3-	99-62-7	2.2	24	160
1036	Diisopropylethylamine, N,N-	7087-68-5	1.8	19	120
1037	Diisopropylfluorophosphate; (Phosphorofluoridic acid, bis(1-methylethyl) ester)	55-91-4	0.33	3.6	3.6

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1038	Diisopropyl naphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	5.6	61	370
1039	Diketene; (Ketene dimer)	674-82-8	3.4	21	62
1040	Dilauroyl peroxide	105-74-8	30	330	2,000
1041	Dimefox; (bis(Dimethylamido)fluorophosphate)	115-26-4	0.091	1	1
1042	Dimethoate	60-51-5	2.7	30	30
1043	Dimethoxybenzene, 1,3-	151-10-0	3	32	190
1044	Dimethoxybenzene, o-	91-16-7	2.7	29	180
1045	Dimethoxybenzidine 3,3'-; (o-Dianisidine)	119-90-4	7.1	78	380
1046	Dimethoxybutane, 1,3-	10143-66-5	23	250	1,500
1047	Dimethoxybutane, 2,2-	3453-99-4	21	230	1,400
1048	Dimethoxydiphenylsilane	6843-66-9	0.025	0.27	1.6
1049	Dimethoxyethane, 1,2-	110-71-4	2	22	280
1050	Dimethoxypropane, 2,2-	77-76-9	0.28	3.1	19
1051	Dimethylglyoxime; (Diacetyldioxime)	95-45-4	1.5	17	100
1052	Dimethyl butane, 2,2-	75-83-2	1,800	1,800	11,000
1053	Dimethyl carbamoyl chloride	79-44-7	0.066	0.11	40
1054	Dimethyl carbonate	616-38-6	39	430	2,600

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1055	Dimethyl cyclopentanol, 1,3-	19550-46-0	30	330	2,000
1056	Dimethyl disulfide	624-92-0	0.039	190	960
1057	Dimethyl mercury	593-74-8	0.034	0.046	11
1058	Dimethyl methylphosphonate; (DMMP)	756-79-6	17	180	1,600
1059	Dimethyl phosphite	868-85-9	8.6	95	150
1060	Dimethyl phosphorochloridothioate	2524-03-0	0.29	3.2	15
1061	Dimethyl siloxane; (Dimethylpolysiloxane; Syltherm XLT; Syltherm 800; Silicone 360)	63148-62-9	1.5	16	990
1062	Dimethyl sulfate	77-78-1	0.12	0.62	8.2
1063	Dimethyl sulfide; (2-Thiopropene)	75-18-3	1.3	2,500	13,000
1064	Dimethyl sulfone	67-71-0	15	170	990
1065	Dimethyl sulfoxide; (DMSO)	67-68-5	800	800	2,900
1066	Dimethyl(1-phenylethyl)benzene	40766-31-2	0.74	8.2	410
1067	Dimethyl(polysiloxane); (Polydimethylsiloxane, silanol terminated; Dimethylsiloxane, poly, hydroxy end-blocked)	70131-67-8	190	2,100	13,000
1068	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	21	230	1,400
1069	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	1.9	20	370
1070	Dimethyl-1-butanamine, N,N-	927-62-8	120	1,300	7,700
1071	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	0.27	2.9	18

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1072	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	30	330	2,000
1073	Dimethyl-3-pentanone, 2,4-	565-80-0	0.85	9.3	470
1074	Dimethyl-5-phenylphenazinium chloride, 3,7-diamino-2,8-; (Safranine; Gossypimine)	477-73-6	0.17	1.9	11
1075	Dimethylacetamide, N,N-	127-19-5	43	43	1,400
1076	Dimethylacrylamide, N,N-	2680-03-7	0.056	0.61	50
1077	Dimethylamine	124-40-3	18	120	460
1078	Dimethylamino)benzaldehyde, p-(	100-10-7	3	33	250
1079	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, p-((p-; (Methyl orange, sodium salt)	547-58-0	0.18	2	12
1080	Dimethylaminoazobenzene, 4-	60-11-7	0.67	7.4	40
1081	Dimethylaminocyclohexane, N,N-	98-94-2	1	11	66
1082	Dimethylaminoethanol, 2-	108-01-0	2.4	27	260
1083	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	0.12	1.4	47
1084	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	1.2	13	79
1085	Dimethylaniline, N,N-	121-69-7	50	50	9,900
1086	Dimethylbenzidine 3,3'-; (o-Tolidine)	119-93-7	0.18	2	56
1087	Dimethylbutyric acid, 2,2-	595-37-9	6	66	400
1088	Dimethylchlorosilane; (Chlorodimethylsilane)	1066-35-9	7	85	390

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1089	Dimethylcyclohexane, cis-1,4-	624-29-3	2.4	26	160
1090	Dimethyldecane, 2,2-	17302-37-3	350	1,800	11,000
1091	Dimethyldichlorosilane	75-78-5	4.7	58	260
1092	Dimethyldicyclopentadiene	26472-00-4	2.2	24	140
1093	Dimethyldimethoxysilane	1112-39-6	13	140	830
1094	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	0.25	2.7	81
1095	Dimethylformamide, N,N-	68-12-2	6	270	1,600
1096	Dimethylheptane, 2,2-	1071-26-7	350	1,800	11,000
1097	Dimethylhexane, 3,3-	563-16-6	350	1,800	11,000
1098	Dimethylhydrazine, 1,1-	57-14-7	0.67	7.4	27
1099	Dimethylhydrazine, 1,2-	540-73-8	0.67	7.4	27
1100	Dimethylimidazole, 1,2-	1739-84-0	3.4	37	220
1101	Dimethylisopropylamine, N,N-	996-35-0	10.8	120	710
1102	Dimethylnonane, 4,5-	17302-23-7	1,600	4,000	8,000
1103	Dimethyloctane, 3,5-	15869-93-9	1,200	2,900	5,800
1104	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	4.5	49	460
1105	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	0.045	0.49	59

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1106	Dimethylphthalate	131-11-3	15	1,600	9,300
1107	Dimethylpolysilane; (Poly(dimethylsilane))	28883-63-8	30	120	300
1108	Dimethyl-p-phenylenediamine, N,N-	99-98-9	0.012	0.13	0.13
1109	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	1,800	1,800	44,000
1110	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	0.6	6.6	40
1111	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	30	330	2,000
1112	Dimetilan	644-64-4	2.3	25	25
1113	Di-n-amylamine	2050-92-2	0.24	2.6	16
1114	Di-n-butylamine	111-92-2	2.4	26	100
1115	Dinitraniline orange; (Hansa orange RN)	3468-63-1	30	330	2,000
1116	Dinitroaniline, 2,4-	97-02-9	0.035	0.38	5.6
1117	Dinitrobenzene, m-	99-65-0	1	1	200
1118	Dinitrobenzene, o-	528-29-0	3	33	200
1119	Dinitrobenzene, p-	100-25-4	1	1	200
1120	Dinitro-o-cresol, 4,6-	534-52-1	0.2	0.5	5
1121	Dinitrophenol	25550-58-7	0.0072	0.08	0.48
1122	Dinitrophenol, 2,3-	66-56-8	1.1	13	75

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1123	Dinitrophenol, 2,4-	51-28-5	0.22	2.5	39
1124	Dinitrophenol, 2,6-	573-56-8	0.23	2.5	15
1125	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	1	12	69
1126	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	0.081	0.89	32
1127	Dinitrotoluene	25321-14-6	0.6	1.1	200
1128	Dinitrotoluene, 2,4-	121-14-2	0.6	4.9	200
1129	Dinitrotoluene, 2,6-	606-20-2	0.6	12	200
1130	Dinitrotoluene, 3,4-	610-39-9	0.6	33	200
1131	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	0.41	4.5	4.5
1132	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	2.3	25	25
1133	Diocetyl phthalate, n-	117-84-0	6.8	74	9,300
1134	Diocetyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	5.4	59	360
1135	Diocetyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	5.7	63	380
1136	Dioxane, 1,4-; (1,4-Diethyleneoxide)	123-91-1	61	1,200	2,700
1137	Dioxathion	78-34-2	0.31	3.4	39
1138	Dioxin; (TCDD; 2,3,7,8-Tetrachlorodibenzo-p-dioxin)	1746-01-6	3.00E-08	0.0023	0.004
1139	Dioxolane, 1,3-	646-06-0	61	210	910

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1140	Dipentaerythritol; (Dipentek)	126-58-9	30	330	2,000
1141	Dipentyl pentylphosphonate	6418-56-0	20	220	1,300
1142	Diphacinone; (Diphenadione)	82-66-6	0.082	0.9	88
1143	Diphenyl chlorophosphate; (Diphenylphosphoryl chloride)	2524-64-3	0.67	7.3	44
1144	Diphenyl cresol phosphate	26444-49-5	0.48	5.3	280
1145	Diphenyl mercury	587-85-9	0.18	0.18	50
1146	Diphenyl; (Biphenyl)	92-52-4	5.5	61	1,900
1147	Diphenylamine	122-39-4	30	65	220
1148	Diphenylchloroarsine; (Chlorodiphenylarsine)	712-48-1	0.39	0.39	1.2
1149	Diphenyldichlorosilane	80-10-4	9.3	110	520
1150	Diphenylguanidine, 1,3-	102-06-7	0.032	0.36	64
1151	Diphenylhydrazine, 1,2-	122-66-7	0.72	7.9	48
1152	Diphenylmethane	101-81-5	6.8	74	450
1153	Diphenylnitrosamine	86-30-6	1.4	16	360
1154	Diphenyloxazole, 2,5-	92-71-7	2.5	27	160
1155	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	30	330	2,000
1156	Dipotassium cadmium oxide	z-0013	0.059	17	99

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1157	Dipotassium dihydrogen silicate	z-0014	30	330	2,000
1158	Dipotassium metasilicate	10006-28-7	15	125	500
1159	Dipropyl ketone; (4-Heptanone)	123-19-3	630	630	630
1160	Dipropylamine	142-84-7	2.9	32	190
1161	Dipropylene glycol methyl ether	34590-94-8	910	910	3,100
1162	Direct Black 38; (Apomine black GX)	1937-37-7	4.1	45	4,400
1163	Di-sec-octylphthalate	117-81-7	10	31	5,900
1164	Disodium (2-ethylhexyl)phosphate	15505-13-2	0.06	0.4	2
1165	Disodium 3,6-endoxohexahydrophthalate	129-67-9	0.19	2	10
1166	Disodium butylphosphate	64114-42-7	0.06	0.4	2
1167	Disodium cadmium oxide	z-0016	0.051	14	85
1168	Disodium dihydrogen silicate	z-0017	30	330	2,000
1169	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	12.5	75	400
1170	Disodium hexafluorosilicate (2-)	16893-85-9	4.1	4.1	820
1171	Disodium iminodiacetate	928-72-3	24	270	1,600
1172	Disodium monoxide; (Disodium oxide; Sodium oxide)	1313-59-3	0.5	5	50
1173	Disulfiram	97-77-8	2	2	180

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1174	Disulfoton	298-04-4	0.18	2	8.8
1175	Di-tert-butyl dicarbonate	24424-99-5	0.067	0.73	4.4
1176	Di-tert-butylhydroquinone, 2,5-	88-58-4	2.3	25	110
1177	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	1.8	20	20
1178	Dithiobiuret	541-53-7	0.45	5	5
1179	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	0.52	5.7	34
1180	Dithioerythritol, 1,4-	6892-68-8	0.25	2.8	17
1181	Diurethane dimethacrylate	72869-86-4	60	660	4,000
1182	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	150	150	910
1183	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	150	150	910
1184	Dodecamethylcyclohexasiloxane	540-97-6	30	50	500
1185	Dodecane	112-40-3	0.02	0.22	55
1186	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	0.83	4.1	25
1187	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	30	330	2,000
1188	Dodecenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	7.7	84	510
1189	Dodecenylsuccinic anhydride	25377-73-5	0.72	7.9	47
1190	Dodecyl alcohol	112-53-8	12	140	820

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1191	Dodecyl methacrylate	142-90-5	72	790	4,800
1192	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0	2	21	130
1193	Dodecylphenol, 4- (mixture of isomers)	27193-86-8	1.5	16	420
1194	Dodecylsarcosine sodium salt, N-; (N-Lauryl sarcosine sodium salt)	7631-98-3	0.59	6.5	39
1195	Dodecyltrichlorosilane	4484-72-4	7.5	91	410
1196	Dowex 50WX4 (50-400 ion exchange resin)	11113-61-4	30	330	2,000
1197	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	30	330	2,000
1198	Dysprosium	7429-91-6	30	330	2,000
1199	Dysprosium nickelide	12175-27-8	30	330	2,000
1200	Dysprosium nitrate	10143-38-1	7.2	79	470
1201	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	15	170	990
1202	Ecolite	z-0018	16	170	1,000
1203	Emetine dihydrochloride, l-	316-42-7	9.10E-04	0.01	0.27
1204	Endosulfan	115-29-7	0.1	0.8	280
1205	Endothion	2778-04-3	1.5	17	17
1206	Endrin	72-20-8	1.8	20	2,000
1207	Epibatidine	140111-52-0	5.30E-04	0.0059	0.022

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1208	Epibromohydrin	3132-64-7	0.98	11	65
1209	Epichlorohydrin	106-89-8	22	91	270
1210	Epinephrine; (Vasotonin; (R)-4-(1-Hydroxy-2-(methylamino)ethyl)-1,2-benzenediol)	51-43-4	0.0015	0.0015	0.0015
1211	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	0.45	5	50
1212	Epoxy resin (EPON 1001)	25068-38-6a	90	990	5,900
1213	Epoxy resin (EPON 1007)	25068-38-6b	90	990	5,900
1214	Epoxy resin (EPON 820)	25068-38-6c	41	450	2,700
1215	Epoxy resin ERL-2795	25068-38-6d	32	350	2,100
1216	Epoxy resin, cured; (4,4'-(1-Methylethylidene)biscyclohexanol, polymer with (chloromethyl)oxirane)	30583-72-3	30	330	2,000
1217	Epoxy resin; (Bisphenol A-Bisphenol A diglycidyl ether polymer)	25036-25-3	6	66	400
1218	Epoxy resin; (Epichlorohydrin, polymer with diethylene glycol)	25928-94-3	3.6	40	240
1219	Epoxybutane, 1,2-; (1,2-Butylene oxide)	106-88-7	210	410	970
1220	Epoxyethyl-7-oxabicyclo(4.1.0)heptane, 3-; (Vinyl cyclohexene dioxide)	106-87-6	0.65	0.65	200
1221	Erbium nitrate pentahydrate	10031-51-3	30	330	2,000
1222	Erbium(III) nitrate	10168-80-6	1.1	12	70
1223	Erbium(III) nitrate hexahydrate	13476-05-6	1.4	15	91
1224	Erbium(III) oxide	12061-16-4	15	170	990

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1225	Ergocalciferol; (Vitamin D2)	50-14-6	3.6	40	40
1226	Ergotamine tartrate	379-79-3	0.91	10	32
1227	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	30	330	2,000
1228	Ethanaminium, N,N,N-triethyl-, iodide (1:1); (Tetraethylammoniumiodide; Ammonium, tetraethyl-, iodide)	68-05-3	0.315	1.3	7.6
1229	Ethane	74-84-0	3,700	40,000	2.40E+05
1230	Ethanedioic acid, dimethyl ester	553-90-2	3.1	34	200
1231	Ethanedithiol, 1,2-	540-63-6	0.56	6.2	37
1232	Ethanediy(bis)benzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	14	150	890
1233	Ethanediy(bis)(N-(carboxymethyl)glycine), N,N'-1,2-, dipotassium salt	2001-94-7	1.5	16	97
1234	Ethanediy(bis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	30	330	2,000
1235	Ethanethiol; (Ethyl mercaptan)	75-08-1	2.5	300	910
1236	Ethanol, titanium(4+) salt	3087-36-3	30	330	2,000
1237	Ethanolamine	141-43-5	15	15	2,500
1238	Ethenylsilanetriol triacetate	4130-08-9	30	330	2,000
1239	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	0.036	0.4	2.4
1240	Ethion	563-12-2	1.2	13	38
1241	Ethoxyethanol, 2-	110-80-5	55	83	22,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1242	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	410	430	1,100
1243	Ethoxyethyl methacrylate, 2-	2370-63-0	3	33	200
1244	Ethoxyethylacetate, 2-	111-15-9	81	2,300	14,000
1245	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-; (Checkmate)	74051-80-2	9.6	110	630
1246	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6	3.8	42	250
1247	Ethoxylated alcohols, C7-C21	68991-48-0	30	330	2,000
1248	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	0.37	4.1	260
1249	Ethyl (or dimethyl) pyrrolidine	z-0020	15	100	500
1250	Ethyl acetate	141-78-6	1,400	1,400	36,000
1251	Ethyl acetoacetate	141-97-9	12	130	790
1252	Ethyl acrylate	140-88-5	34	150	980
1253	Ethyl alcohol; (Ethanol)	64-17-5	3,400	6,200	28,000
1254	Ethyl alcohol-d; (Ethanol-d)	925-93-9	3,500	6,300	29,000
1255	Ethyl benzene	100-41-4	140	4,800	7,800
1256	Ethyl benzoate	93-89-0	6.3	69	420
1257	Ethyl bromoacetate	105-36-2	4.60E-04	0.0051	0.031
1258	Ethyl butyl ketone; (3-Heptanone)	106-35-4	350	2,300	14,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1259	Ethyl cellulose	9004-57-3	15	170	990
1260	Ethyl chloride; (Chloroethane)	75-00-3	260	260	53,000
1261	Ethyl chloroacetate	105-39-5	0.54	5.9	36
1262	Ethyl chloroformate	541-41-3	4.4	7.1	21
1263	Ethyl dimethylamido-cyanophosphate; (Tabun; GA)	77-81-6	0.0028	0.035	0.26
1264	Ethyl ether	60-29-7	1,500	1,500	58,000
1265	Ethyl formate	109-94-4	300	300	24,000
1266	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	15	51	590
1267	Ethyl isocyanate	109-90-0	0.014	0.15	0.46
1268	Ethyl lactate; (Ethyl (S)-(-)-lactate)	687-47-8	5.7	63	380
1269	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	0.04	0.53	13
1270	Ethyl methacrylate; (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	13	140	1,700
1271	Ethyl nitrite	109-95-5	0.33	3.6	22
1272	Ethyl O-2-diisopropylaminoethylmethylphosphonite, O-; (QL)	57856-11-8	30	330	2,000
1273	Ethyl propionate	105-37-3	26	290	1,700
1274	Ethyl S,S-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	2.4	26	26
1275	Ethyl sec-amyl ketone; (5-Methyl-3-heptanone)	541-85-5	160	2,700	16,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1276	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	30	330	2,000
1277	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	15	160	1,400
1278	Ethyl-1-hexanol, 2-	104-76-7	0.53	530	1,100
1279	Ethyl-2-methylheptane, 3-	14676-29-0	1,200	2,900	5,800
1280	Ethyl-2-methyloctane, 6-	62016-19-7	1,300	3,200	6,400
1281	Ethyl-2-oxazoline, 2-	10431-98-8	0.27	3	18
1282	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid ethyl ester)	120-47-8	45	320	320
1283	Ethyl-5-methylheptane, 3-	52896-90-9	1,200	2,900	5,800
1284	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3	1.90E-04	0.002	0.012
1285	Ethylamine; (Monoethylamine; Ethylamine anhydrous)	75-04-7	14	90	500
1286	Ethylbenzaldehyde, 2-	22927-13-5	37	400	2,400
1287	Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine; Nitrogen mustard-1)	538-07-8	0.002	0.022	0.37
1288	Ethylchloroformate	2941-64-2	0.13	1.4	4.3
1289	Ethyldichloroarsine; (Dichloroethylarsine)	598-14-1	0.029	0.029	0.086
1290	Ethylene	74-85-1	690	7,600	46,000
1291	Ethylene chlorohydrin; (2-Chloroethanol)	107-07-3	3.3	13	39
1292	Ethylene dibromide; (Dibromoethane)	106-93-4	130	180	350

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1293	Ethylene dichloride; (1,2-Dichloroethane)	107-06-2	200	810	1,200
1294	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	0.0064	0.07	0.93
1295	Ethylene glycol	107-21-1	25	100	150
1296	Ethylene glycol diacetate	111-55-7	0.41	4.5	1,400
1297	Ethylene glycol dimethacrylate	97-90-5	9.9	110	650
1298	Ethylene glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	1.4	3,200	19,000
1299	Ethylene glycol monomethyl ether; (2-Methoxyethanol; EGME; Methyl Cellosolve(R))	109-86-4	0.93	1,000	6,200
1300	Ethylene glycol monopropyl ether; (Propyl cellosolve; Ektasolve EP)	2807-30-9	85	85	1,700
1301	Ethylene glycol mono-sec-butyl ether	7795-91-7	2.4	26	160
1302	Ethylene oxide; (Oxirane)	75-21-8	9	81	360
1303	Ethylene/vinyl acetate copolmer	24937-78-8	30	330	2,000
1304	Ethylenediamine dihydrochloride	333-18-6	0.018	0.2	15
1305	Ethylenediamine, 1,2-	107-15-3	24	24	49
1306	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	11	120	400
1307	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	30	330	2,000
1308	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	2	22	130
1309	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	6	66	400

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1310	Ethylenediaminetetraacetic acid, tetrasodium salt; (Tetrasodium EDTA)	64-02-8	30	330	2,000
1311	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	7.1	78	160
1312	Ethylenedinitrilo)tetra-2-propanol, 1,1',1'',1'''-(	102-60-3	34	370	2,200
1313	Ethyleneimine	151-56-4	0.18	8.1	17
1314	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	0.031	0.34	110
1315	Ethylheptane, 4-	2216-32-2	12	130	790
1316	Ethylhexyl acrylate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	110	160	1,100
1317	Ethylhexyl bromide, 2-	18908-66-2	30	330	2,000
1318	Ethylhexylchloroformate, 2-	24468-13-1	0.69	7.6	23
1319	Ethylhexyloxy)ethanol, 2-(2-	1559-35-9	21	230	610
1320	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	650	650	16,000
1321	Ethylidene norbornene	16219-75-3	0.98	490	2,500
1322	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	30	330	2,000
1323	Ethylphosphorodichloridate	1498-51-7	0.36	4	40
1324	Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)	50782-69-9	1.70E-04	0.003	0.0099
1325	Ethylthiocyanate	542-90-5	9.1	100	100
1326	Ethyltoluene, o-	611-14-3	12	130	2,400

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1327	Ethyltoluene, p-	622-96-8	12	130	2,400
1328	Europium	7440-53-1	30	330	2,000
1329	Europium nitrate; (Europium trinitrate)	10138-01-9	11	130	760
1330	Europium oxide	1308-96-9	15	170	990
1331	Europium(II) iodide	22015-35-6	30	330	2,000
1332	Farnesol	4602-84-0	18	200	1,200
1333	Fatty acids, tall-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	66070-62-0	30	330	2,000
1334	Fenamiphos	22224-92-6	0.082	0.9	4
1335	Fensulfothion	115-90-2	0.18	2	3.1
1336	Fenthion	55-38-9	0.15	27	27
1337	Ferric ammonium citrate	1185-57-5	5.4	98	400
1338	Ferric ammonium sulfate dodecahydrate	7783-83-7	26	280	1,700
1339	Ferric ammonium sulfate; (Sulfuric acid, ammonium iron(3e+) salt (2:1:1))	10138-04-2	14	160	950
1340	Ferric chloride	7705-08-0	8.7	10	63
1341	Ferric chloride hexahydrate	10025-77-1	15	51	56
1342	Ferric fluoride	7783-50-8	15	170	990
1343	Ferric hydroxide; (Iron(III) hydroxide)	1309-33-7	3.1	35	210

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1344	Ferric nitrate	10421-48-4	13	110	640
1345	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	22	110	640
1346	Ferric phosphate	10045-86-0	8.1	89	530
1347	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	6.1	6.1	36
1348	Ferrous ammonium sulfate	10045-89-3	15	170	1,000
1349	Ferrous carbonate	563-71-3	6.2	69	410
1350	Ferrous chloride	7758-94-3	2.3	2.3	89
1351	Ferrous disulfide; (Iron disulfide)	12068-85-8	6.4	69	420
1352	Ferrous hydroxide; (Iron(II) hydroxide)	18624-44-7	6.5	71	430
1353	Ferrous Oxalate; (Iron(II) oxalate)	516-03-0	7.7	86	510
1354	Ferrous sulfamate	14017-39-1	8.4	92	550
1355	Ferrous sulfate	7720-78-7	2.7	2.7	59
1356	Ferrous sulfate heptahydrate	7782-63-0	15	27	160
1357	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	15	170	990
1358	Fluometil	4301-50-2	0.55	6	6
1359	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	8.7	97	580
1360	Fluoranthene	206-44-0	1.5	16	400

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1361	Fluorene, 9H-	86-73-7	6.6	72	430
1362	Fluorides (as F)	16984-48-8	2.5	2.5	500
1363	Fluorine	7782-41-4	2.6	7.8	20
1364	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	6	66	400
1365	Fluoro-4-nitrophenol, 2-	403-19-0	2.5	15	75
1366	Fluoro-6-nitrophenol, 2-	1526-17-6	2.5	15	75
1367	Fluoroacetamide	640-19-7	0.53	5.8	5.8
1368	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	0.15	0.5	5
1369	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	0.043	0.47	0.93
1370	Fluoroacetyl chloride	359-06-8	0.91	10	10
1371	Fluoroaniline, p-	371-40-4	1.3	14	83
1372	Fluorobenzene	462-06-6	5.5	61	1,200
1373	Fluorosulfonic acid; (Fluorosulfuric acid)	7789-21-1	2	10	30
1374	Fluorotrimethylsilane	420-56-4	6.3	69	410
1375	Fluorouracil	51-21-8	1.7	19	46
1376	Fonofos	944-22-9	0.12	1.3	53
1377	Food Red 15; (FD&C Red No. 19)	81-88-9	0.12	1.3	44

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1378	Forane	26675-46-7	180	2,000	4,600
1379	Formaldehyde	50-00-0	1.1	17	69
1380	Formaldehyde cyanohydrin; (Hydroxyacetoneitrile; Glycolonitrile)	107-16-4	0.55	6.1	6.1
1381	Formamide	75-12-7	23	23	1,100
1382	Formetanate hydrochloride	23422-53-9	1.6	18	18
1383	Formic acid	64-18-6	5.6	47	470
1384	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	0.65	7.2	43
1385	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	14	150	1,300
1386	Formothion	2540-82-1	0.025	0.27	140
1387	Formparanate	17702-57-7	0.65	7.2	7.2
1388	Formylpiperidine, 1-	2591-86-8	3.3	36	180
1389	Fosthietan	21548-32-3	0.43	4.7	4.7
1390	Fuberidazole	3878-19-1	0.3	3.3	15
1391	Fuel oil, residual	68476-33-5	0.85	9.3	56
1392	Fulminic acid; (Carbyloxime)	506-85-4	0.47	5.2	31
1393	Fumaric acid	110-17-8	28	310	1,800
1394	Furan	110-00-9	1.7	19	53

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1395	Furancarboxaldehyde, 2-; (Furfural)	98-01-1	7.9	39	390
1396	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	0.59	6.5	39
1397	Furfuryl alcohol	98-00-0	60	60	1,000
1398	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	2.30E-04	0.0025	0.093
1399	Gadolinium	7440-54-2	51	560	3,300
1400	Gadolinium chloride hexahydrate	13450-84-5	7.4	22	22
1401	Gadolinium hydroxide	16469-18-4	0.75	2.5	75
1402	Gadolinium nitrate, solid	10168-81-7	11	130	750
1403	Gadolinium nitrite	z-0022	0.125	0.75	75
1404	Gadolinium(III) oxide	12064-62-9	15	170	990
1405	Gallic acid monohydrate	5995-86-8	12	130	790
1406	Gallium	7440-55-3	30	330	2,000
1407	Gallium oxide	12024-21-4	16	180	1,100
1408	Gallium trichloride	13450-90-3	2.9	32	32
1409	Gallium trifluoride	7783-51-9	17	180	1,100
1410	Gasoline	86290-81-5	590	2,900	12,000
1411	Gelatin; (Pharmagel A)	9000-70-8	0.81	8.9	54

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1412	Germane; (Germanium tetrahydride)	7782-65-2	0.53	0.53	1.6
1413	Germanium	7440-56-4	0.58	6.4	150
1414	Germanium oxide	1310-53-8	3.8	41	250
1415	Germanium tetrafluoride	7783-58-6	15	160	980
1416	Germanous acid	z-0023	1.5	17	99
1417	Giemsa's stain; (Blood stain)	51811-82-6	30	330	2,000
1418	Gluconic acid, D-	526-95-4	30	330	2,000
1419	Glucose monohydrate, D(+)-; (Dextrose)	14431-43-7	77	850	5,100
1420	Glucose, alpha-D-; (alpha-Dextrose)	492-62-6	77	850	5,100
1421	Glucose, D-; (Dextrose, anhydrous)	50-99-7	77	850	5,100
1422	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	1.4	16	93
1423	Gluteraldehyde	111-30-8	0.82	4.1	20
1424	Glycerine (mist); (Glycerol; Glycerin)	56-81-5	30	310	2,500
1425	Glycerine carbonate; (4-Hydroxymethyl-1,3-dioxolan-2-one)	931-40-8	30	330	2,000
1426	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	0.66	7.2	43
1427	Glycidaldehyde	765-34-4	0.24	2.6	33
1428	Glycidol; (Oxiranemethanol)	556-52-5	6.1	6.1	1,500

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1429	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimethoxysilane)	2530-83-8	1.7	19	210
1430	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	0.38	4.2	25
1431	Glycine; (Aminoacetic acid)	56-40-6	2.2	25	1,600
1432	Glycol carbonate; (Ethylene carbonate)	96-49-1	30	330	2,000
1433	Glycolic acid; (Hydroxyacetic acid)	79-14-1	4.7	51	390
1434	Glycols, polyethylene, dimethyl ether	24991-55-7	13	150	3,100
1435	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3	9.9	110	300
1436	Glycoluril; (Acetyleneurea)	496-46-8	30	330	2,000
1437	Glyoxal	107-22-2	0.3	24	40
1438	Goethite; (Iron hydroxide oxide)	1310-14-1	7.5	12.5	250
1439	Gold	7440-57-5	0.74	8.2	47
1440	Graphite; (Mineral carbon)	7782-42-5	2	2	95
1441	Grease; (Animal grease, inedible)	68153-81-1	30	330	2,000
1442	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	0.037	0.41	18
1443	Guanidinehydrochloride	50-01-1	1.4	16	94
1444	Hafnium	7440-58-6	1.5	17	99
1445	Hafnium oxide	12055-23-1	1.8	19	120

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1446	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	5.8	63	9,400
1447	Hansa yellow	13515-40-7	30	330	2,000
1448	Helium	7440-59-7	11,000	38,000	65,000
1449	Hematoxylin	517-28-2	0.016	0.18	1.1
1450	Heptachlor	76-44-8	0.15	4.9	700
1451	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	0.15	3	3
1452	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4	0.045	0.5	3
1453	Heptachlorodibenzofuran, 1,2,3,4,7,8,9-; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7	0.06	0.66	4
1454	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9	0.03	0.33	1.3
1455	Heptadecane	629-78-7	66	730	4,400
1456	Heptafluorobutyric acid	375-22-4	0.5	5.5	33
1457	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	10	110	680
1458	Heptane	142-82-5	1,800	1,800	20,000
1459	Heptanoic acid	111-14-8	21	230	1,400
1460	Heptanol, 1-; (Heptyl alcohol)	111-70-6	0.63	6.9	230
1461	Heptene, 1-	592-76-7	97	1,100	6,400
1462	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	0.13	22	130

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1463	Hexachloroacetone	116-16-5	0.079	0.86	29
1464	Hexachlorobenzene	118-74-1	0.006	8.9	160
1465	Hexachlorobutadiene	87-68-3	11	32	110
1466	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	1.5	1.6	35
1467	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	1.5	2	1,200
1468	Hexachlorocyclopentadiene	77-47-4	0.11	0.2	0.79
1469	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	7.40E-05	8.20E-04	0.18
1470	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	7.40E-05	8.20E-04	0.0049
1471	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	3.70E-05	4.10E-04	0.0025
1472	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	0.03	0.33	2
1473	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	4.90E-04	0.0054	0.032
1474	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	7.50E-04	0.0083	0.05
1475	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3	0.0039	0.043	0.26
1476	Hexachloroethane	67-72-1	29	64	2,900
1477	Hexachloronaphthalene	1335-87-1	0.2	0.2	2
1478	Hexachlorophene	70-30-4	11	120	220
1479	Hexachloropropene	1888-71-7	0.91	10	60

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1480	Hexadecanamine, 1-	143-27-1	0.018	0.2	43
1481	Hexadecane	544-76-3	13	140	4,400
1482	Hexadecanoic acid; (Palmitic acid)	57-10-3	2	12	12
1483	Hexadecanol, 1-	36653-82-4	1.5	16	98
1484	Hexadecene, 1-	629-73-2	3.1	35	210
1485	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	0.06	0.66	4
1486	Hexadecyltrimethylammonium chloride	112-02-7	1.1	12	70
1487	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	9.1	100	600
1488	Hexafluoroacetone	684-16-2	0.68	1.4	540
1489	Hexafluorobenzene	392-56-3	97	1,100	3,700
1490	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	0.36	3.9	24
1491	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	4,100	35,000	35,000
1492	Hexafluoropropylene; (Hexafluoropropene)	116-15-4	250	560	2,900
1493	Hexafluoropropylene-vinylidene fluoride polymer; (Viton)	9011-17-0	30	330	2,000
1494	Hexamethylcyclotrisiloxane	541-05-9	7.5	83	500
1495	Hexamethyldisilazane	999-97-3	0.2	2.2	170
1496	Hexamethyldisiloxane	107-46-0	15	170	970

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1497	Hexamethylene diisocyanate polymer	28182-81-2	7.8	86	510
1498	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	0.034	0.14	5.5
1499	Hexamethyleneimine	111-49-9	5.7	63	380
1500	Hexamethylenetetraamine hydrochloride	58713-21-6	30	330	2,000
1501	Hexamethylenetetraamine; (Methenamine)	100-97-0	55	610	3,600
1502	Hexamethylphosphoramide	680-31-9	0.89	9.8	110
1503	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	58	640	3,800
1504	Hexanal	66-25-1	8.9	98	320
1505	Hexane	110-54-3	1,100	12,000	30,000
1506	Hexanediol diacrylate, 1,6-	13048-33-4	3	170	990
1507	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	20	220	730
1508	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	340	2,700	2,700
1509	Hexanenitrile	628-73-9	0.76	8.4	50
1510	Hexanethiol, 1-; (N-Hexylmercaptan)	111-31-9	0.22	2.4	230
1511	Hexanitrostilbene	20062-22-0	0.05	0.55	3.3
1512	Hexanoic acid	142-62-1	2.2	24	140
1513	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	0.35	3.8	23

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1514	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	2.2	24	140
1515	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	41	210	20,000
1516	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	9.6	110	630
1517	Hexanoyl chloride	142-61-0	1.2	13	79
1518	Hexaphenylcyclotrisiloxane	512-63-0	6	66	400
1519	Hexene, 1-	592-41-6	170	1,700	17,000
1520	Hexylene glycol	107-41-5	48	120	730
1521	Hexyltrichlorosilane	928-65-4	5.4	66	300
1522	Holmium	7440-60-0	6	66	400
1523	Holmium trioxide	12055-62-8	30	330	2,000
1524	Humic acid, sodium salt	68131-04-4	0.74	8.2	200
1525	Hydrazine	302-01-2	0.13	17	46
1526	Hydrazine hydrate; (Hydrazine monohydrate; aqueous solutions - 10217-52-4)	7803-57-8	0.156	20	55
1527	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	0.38	4.2	25
1528	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	0.3	39	100
1529	Hydrazine sulfate	10034-93-2	0.5	5.5	120
1530	Hydrazine, dihydrochloride	5341-61-7	0.67	7.4	44

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1531	Hydriodic acid; (Hydrogen iodide)	10034-85-2	5.2	130	630
1532	Hydrobromic acid; (Hydrogen bromide)	10035-10-6	3.3	83	400
1533	Hydrogen	1333-74-0	5,400	19,000	33,000
1534	Hydrogen chloride; (Hydrochloric acid)	7647-01-0	2.7	33	150
1535	Hydrogen cyanide; (Hydrocyanic acid)	74-90-8	2.2	7.8	17
1536	Hydrogen fluoride; (Hydrofluoric acid)	7664-39-3	0.82	20	36
1537	Hydrogen peroxide	7722-84-1	14	70	140
1538	Hydrogen peroxide - 30%	7722-84-1a	46	240	460
1539	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	9.6	110	630
1540	Hydrogen selenide	7783-07-5	0.17	1.1	3.6
1541	Hydrogen sulfide	7783-06-4	0.71	38	70
1542	Hydrogenated terphenyl	61788-32-7	18	580	3,500
1543	Hydroquinone	123-31-9	1.8	20	32
1544	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7	45	500	3,000
1545	Hydrotreated middle distillate (Petroleum base oil)	64742-46-7	0.23	2.5	15
1546	Hydroxy-2-methylpropanoic acid, 2-; (2-Methylactic acid)	594-61-6	30	330	2,000
1547	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	12	130	810

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1548	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	240	240	10,000
1549	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	35	60	500
1550	Hydroxybenzenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	10	120	690
1551	Hydroxybenzoic acid, 4-; (p-Salicylic acid)	99-96-7	15	41	240
1552	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	31	340	2,000
1553	Hydroxyethyl acrylate, 2-; (Acrylic acid, 2-hydroxyethyl ester)	818-61-1	0.09	0.99	92
1554	Hydroxyethyl methacrylate, 2-	868-77-9	0.71	7.8	1,000
1555	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	0.69	7.6	46
1556	Hydroxyethylenediaminetriacetic acid, N-	150-39-0	2	22	130
1557	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidene bisphosphonic acid, 1-)	2809-21-4	7.2	79	480
1558	Hydroxylamine	7803-49-8	0.35	3.9	23
1559	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	2.1	23	28
1560	Hydroxylamine nitrate	13465-08-2	15	40	150
1561	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	2.8	31	190
1562	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	6.6	72	430
1563	Hydroxy-N-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	30	330	2,000
1564	Hydroxyphenyl)benzothiazole, 2-(2-	3411-95-8	27	300	1,800

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1565	Hydroxyphenylacetic acid, alpha-	90-64-2	25	270	1,600
1566	Hydroxypropyl cellulose	9004-64-2	31	340	2,000
1567	Hydroxyquinoline sulfate, 8-	134-31-6	3.6	40	240
1568	Hypophosphorous acid-d3; (Hydrophosphorus acid-d3 solution, 50 wt.% in D2O)	57583-56-9	30	330	2,000
1569	Hypophosphorus acid; (Phosphonic acid)	6303-21-5	30	330	2,000
1570	Imidazole	288-32-4	1.2	13	44
1571	Imidazole hydrochloride	1467-16-9	6	66	400
1572	Iminodiacetic acid	142-73-4	0.82	9	54
1573	Iminodiacetic acid, disodium salt hydrate	17593-73-6	24	270	1,600
1574	Indan	496-11-7	31	340	2,000
1575	Indene	95-13-6	24	24	620
1576	Indeno(1,2,3-cd)pyrene	193-39-5	0.015	0.17	1
1577	Indigo carmine; (FD&C blue No 2)	860-22-0	0.23	2.6	37
1578	Indium	7440-74-6	0.1	0.1	0.45
1579	Indium oxide (vapor)	1312-43-2b	0.32	0.88	5.3
1580	Indium sulfate	13464-82-9	0.23	0.23	0.89
1581	Indium trichloride	10025-82-8	0.58	0.94	0.94

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1582	Indium(III) oxide	1312-43-2a	0.36	370	2,200
1583	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	4.1	45	270
1584	Iodic acid	7782-68-5	1	1	10
1585	Iodine	7553-56-2	1	5.2	52
1586	Iodine 125	17144-19-3	1	5.1	51
1587	Iodobenzene	591-50-4	0.2501	150	720
1588	Iodoethane; (Ethyl iodide)	75-03-6	0.19	150	900
1589	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	0.36	2,400	14,000
1590	Iodopentane, 1-	628-17-1	0.2429	63	380
1591	Iotalamic acid	2276-90-6	120	1,300	7,800
1592	Iridium	7439-88-5	4.7	51	310
1593	Iron	7439-89-6	1	11	110
1594	Iron carbide	12011-67-5	16	180	1,100
1595	Iron hydroxide oxide	20344-49-4	24	260	1,600
1596	Iron oxide; (Ferric oxide)	1309-37-1	15	360	2,200
1597	Iron pentacarbonyl	13463-40-6	0.48	0.48	1.4
1598	Iron sulfide	1317-37-9	4.7	53	320

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1599	Iron(II) chloride tetrahydrate	13478-10-9	3.6	3.6	20
1600	Iron(II) oxide; (Ferrous oxide)	1345-25-1	4.5	500	3,000
1601	Iron(II) perchlorate hexahydrate	13520-69-9	19	210	1,200
1602	Iron(II,III) oxide; (Ferrosferric oxide; Iron(III) oxide)	1317-61-9	21	230	1,400
1603	Iron(III) perchlorate	13537-24-1	19	210	1,200
1604	Iron(III) sulfate heptahydrate	35139-28-7	15	27	160
1605	Isoamyl acetate; (Isopentyl acetate)	123-92-2	530	2,700	16,000
1606	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	450	450	36,000
1607	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	450	6,000	36,000
1608	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	2.3	25	150
1609	Isobenzan	297-78-9	0.091	1	1
1610	Isobutanol-2-amine	124-68-5	6.3	69	570
1611	Isobutyl acetate	110-19-0	2,100	6,000	36,000
1612	Isobutyl alcohol	78-83-1	450	4,000	24,000
1613	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	0.25	2.8	17
1614	Isobutyl chloroformate	543-27-1	1.1	12	37
1615	Isobutyl isobutyrate	97-85-8	23	250	1,500

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1616	Isobutylamine	78-81-9	6	30	45
1617	Isobutyraldehyde	78-84-2	190	190	1,400
1618	Isobutyric acid	79-31-2	0.84	9.2	55
1619	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	0.43	4.8	29
1620	Isobutyronitrile	78-82-0	28	51	190
1621	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	8.3	8.3	50
1622	Isocyanatoethyl methacrylate, 2-	30674-80-7	0.057	0.63	6.3
1623	Isocyanic acid	75-13-8	0.074	0.81	4.9
1624	Isocyanic acid, 3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	1.3	14	120
1625	Isodrin	465-73-6	0.64	7	7
1626	Isonate 181 MDI prepolymer	z-0113	0.75	6	75
1627	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	1,400	1,400	23,000
1628	Isopentane; (Ethylidimethylmethane; 2-Methylbutane)	78-78-4	1,800	1,800	13,000
1629	Isophorone	78-59-1	23	28	4,500
1630	Isophorone diisocyanate	4098-71-9	0.18	1.23	5.4
1631	Isophthalic acid; (Phthalic acid, m isomer)	121-91-5	30	340	2,100
1632	Isoprene	78-79-5	14	2,800	11,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1633	Isopropyl acetate	108-21-4	840	840	67,000
1634	Isopropyl alcohol	67-63-0	980	980	29,000
1635	Isopropyl chloride; (2-Chloropropane)	75-29-6	480	1,700	5,300
1636	Isopropyl chloroformate; (Isopropyl chlorocarbonate)	108-23-6	1.5	17	50
1637	Isopropyl ether; (Diisopropyl ether)	108-20-3	1,300	1,300	42,000
1638	Isopropyl methanefluoro-phosphonate; (Sarin; GB)	107-44-8	0.0027	0.034	0.13
1639	Isopropyl nitrate	1712-64-7	64	210	1,300
1640	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	22	250	1,500
1641	Isopropylamine; (2-Propanamine)	75-31-0	24	1,600	9,700
1642	Isopropylmagnesium chloride; (Chloro(1-methylethyl)magnesium)	1068-55-9	0.75	8.3	50
1643	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	0.51	5.6	5.6
1644	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	60	660	730
1645	Jeffamine M-600	77110-54-4	30	330	2,000
1646	Jet fuels, (JP-5 and JP-8)	70892-10-3	290	1,100	1,100
1647	Kaolin; (Aluminum silicate hydroxide; Fuller's earth [8031-18-3])	1332-58-7	2	2	4.6
1648	Kepone; (Chlordecone)	143-50-0	0.003	3.3	18
1649	Kerosene; (Fuel Oil No 1)	8008-20-6	290	1,100	1,100

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1650	Ketene; (Carbomethene, Ethenone)	463-51-4	0.33	1.1	3.4
1651	Krypton	7439-90-9	2.20E+05	7.90E+05	1.40E+06
1652	Lactic acid	50-21-5	0.47	5.2	700
1653	Lactic acid, sodium salt, DL-; (Propanoic acid, 2-hydroxy-, monosodium salt)	312-85-6	30	330	2,000
1654	Lactonitrile	78-97-7	1.6	18	18
1655	Lactose, beta-D-; (beta-D-Glucopyranose, 4-O-beta-D-galactopyranosyl-)	5965-66-2	30	330	2,000
1656	Lanthanum	7439-91-0	30	330	2,000
1657	Lanthanum alizarin	z-0026	30	330	2,000
1658	Lanthanum boride	12008-21-8	30	330	2,000
1659	Lanthanum carbonate	6487-39-4	30	330	2,000
1660	Lanthanum chloride	10099-58-8	0.16	1.8	470
1661	Lanthanum fluoride	13709-38-1	26	280	1,700
1662	Lanthanum hydroxide	14507-19-8	0.75	2	2.5
1663	Lanthanum nitrate	10099-59-9	14	150	890
1664	Lanthanum oxide	1312-81-8	4	44	270
1665	Lanthanum phosphate	14913-14-5	0.75	3	3
1666	Lanthanum(III) nitrate hexahydrate	10277-43-7	1.3	15	89

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1667	Laromin C 260; (bis(4-Amino-3-methylcyclohexyl) methane; Dimethyldicyane)	6864-37-5	0.28	3.1	19
1668	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	3.9	43	260
1669	Lead	7439-92-1	0.15	120	700
1670	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	7.4	82	920
1671	Lead acetate, basic; (Lead subacetate)	1335-32-6	6.6	73	440
1672	Lead acetate; (Lead diacetate)	301-04-2	2.8	31	780
1673	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	0.14	18	460
1674	Lead arsenate; (Trilead diarsenate)	3687-31-8	0.18	2	600
1675	Lead bromide	10031-22-8	0.27	200	1,200
1676	Lead carbonate	598-63-0	0.19	8.5	900
1677	Lead chloride	7758-95-4	0.2	2	940
1678	Lead chromate	7758-97-6	0.31	3.2	97
1679	Lead dioxide	1309-60-0	0.17	140	810
1680	Lead fluoborate	13814-96-5	0.28	220	1,300
1681	Lead fluoride	7783-46-2	0.18	140	830
1682	Lead hydroxide	19783-14-3	0.17	140	810
1683	Lead iodide	10101-63-0	0.33	270	1,600

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1684	Lead nitrate	10099-74-8	0.24	180	1,100
1685	Lead nitrite	13826-65-8	0.22	170	1,000
1686	Lead oxalate	814-93-7	0.21	170	1,000
1687	Lead oxide; (Lead monoxide)	1317-36-8	0.16	130	750
1688	Lead phosphate	7446-27-7	0.2	150	910
1689	Lead sulfate; (Sulfuric acid, lead(2+) salt (1:1))	7446-14-2	0.22	170	1,000
1690	Lead sulfide	1314-87-0	0.17	33	810
1691	Lead tetroxide	1314-41-6	0.17	130	770
1692	Lead(II) arsenite	10031-13-7	0.084	47	280
1693	Lead(II) perchlorate trihydrate	13453-62-8	0.33	270	1,600
1694	Leco set 7007 powder	z-0027	30	330	2,000
1695	Leptophos; (Fosvel)	21609-90-5	2.7	30	30
1696	Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)	40334-69-8	0.12	0.12	0.74
1697	Lewisite 3; (Tris(2-chlorovinyl)arsine)	40334-70-1	0.12	0.12	0.74
1698	Lignosulfonate (aqueous)	8062-15-5	15	170	1,000
1699	Limestone; (Calcium carbonate; Dolomite)	1317-65-3	27	27	1,300
1700	Limonene, d-	5989-27-5	110	110	870

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1701	Lindane; (gamma-Benzenehexachloride)	58-89-9	9.1	100	1,000
1702	Linseed oil	8001-26-1	22	250	1,500
1703	Liquified petroleum gas; (L.P.G.)	68476-85-7	5,400	5,700	34,000
1704	Lithium	7439-93-2	0.56	6.1	220
1705	Lithium acetate dihydrate	6108-17-4	5.1	56	330
1706	Lithium aluminate	12003-67-7	37	400	2,400
1707	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	37	400	2,400
1708	Lithium aluminum silicate; (Petalite)	1302-66-5	3	33	200
1709	Lithium azide	19597-69-4	30	330	2,000
1710	Lithium borohydride; (Lithium tetrahydroborate)	16949-15-8	6	6	9.5
1711	Lithium bromide	7550-35-8	1.4	15	360
1712	Lithium carbonate	554-13-2	0.16	1.8	100
1713	Lithium chloride	7447-41-8	0.37	4.1	73
1714	Lithium chromate; (Lithium chromium oxide)	14307-35-8	0.12	0.13	39
1715	Lithium deuteride	13587-16-1	0.025	0.1	0.5
1716	Lithium diisopropylamide; (LDA)	4111-54-0	30	330	2,000
1717	Lithium fluoride	7789-24-4	10	110	680

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1718	Lithium hydride	7580-67-8	0.025	0.100	0.500
1719	Lithium hydroxide	1310-65-2	0.091	1	42
1720	Lithium hydroxide monohydrate	1310-66-3	0.091	1	42
1721	Lithium iodide	10377-51-2	30	330	2,000
1722	Lithium metaborate, anhydrous	13453-69-5	28	300	1,800
1723	Lithium molybdate	13568-40-6	2.7	30	180
1724	Lithium niobium oxide; (Lithium niobate)	12031-63-9	50	540	3,300
1725	Lithium nitrate	7790-69-4	0.089	0.98	5.9
1726	Lithium nitride	26134-62-3	30	330	2,000
1727	Lithium nitrite	13568-33-7	0.06	0.4	40
1728	Lithium oxide	12057-24-8	0.091	1	1.5
1729	Lithium perchlorate, anhydrous	7791-03-9	4.00E-04	0.0044	0.026
1730	Lithium silicon	68848-64-6	2.8	31	1,100
1731	Lithium stearate	4485-12-5	45	500	3,000
1732	Lithium sulfate	10377-48-7	0.11	1.2	130
1733	Lithium tetraborate	12007-60-2	23	260	1,500
1734	Lithium tetraborate pentahydrate	1303-94-2	36	400	2,400

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1735	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	2.8	2.8	9.2
1736	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6	30	330	2,000
1737	Lithium triethylborohydride; (Super-hydride)	22560-16-3	1.2	13	79
1738	Lubricating oil, rerefined	68476-77-7	30	330	2,000
1739	Lutetium	7439-94-3	1.2	13	79
1740	Lutetium oxide	12032-20-1	30	330	2,000
1741	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	120	1,300	8,000
1742	Magnesium	7439-95-4	0.016	0.17	1
1743	Magnesium acetate tetrahydrate	16674-78-5	26	280	1,700
1744	Magnesium aluminum phosphide	z-0116	0.95	5.3	9.5
1745	Magnesium carbonate hydroxide	7760-50-1	30	330	2,000
1746	Magnesium carbonate; (Magnesite)	546-93-0	15	15	1,600
1747	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	45	500	3,000
1748	Magnesium chloride	7786-30-3	4.1	45	550
1749	Magnesium chloride hexahydrate	7791-18-6	12	130	1,600
1750	Magnesium ethoxide	2414-98-4	30	130	750
1751	Magnesium fluoride	7783-40-6	12	140	820

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1752	Magnesium formate	557-39-1	30	330	2,000
1753	Magnesium hydroxide	1309-42-8	31	340	1,700
1754	Magnesium iodate tetrahydrate	7790-32-1	30	330	2,000
1755	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	30	330	2,000
1756	Magnesium oxide	1309-48-4	22	22	130
1757	Magnesium phosphide	12057-74-8	0.5	5.5	9.9
1758	Magnesium silicate hydrate	1343-90-4	30	330	2,000
1759	Magnesium silicate; (Florisil)	1343-88-0	30	1,300	8,000
1760	Magnesium sulfate (1:1)	7487-88-9	0.18	2	160
1761	Magnesium sulfate heptahydrate	10034-99-8	3.6	40	5,200
1762	Magnesium(II) nitrate (1:2), hexahydrate	13446-18-9	16	180	1,100
1763	Malathion	121-75-5	15	120	390
1764	Maleic acid	110-16-7	2.1	23	140
1765	Maleic acid, disodium salt	371-47-1	21	230	1,400
1766	Maleic anhydride	108-31-6	0.8	8	80
1767	Maleic hydrazide; (3,6-Pyridazinedione, 1,2-dihydro-)	123-33-1	11	130	750
1768	Malic acid, DL-	617-48-1	2.6	29	170

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1769	Malonic acid; (Carboxyacetic acid)	141-82-2	7.4	82	590
1770	Mancozeb; (Dithane M-45)	8018-01-7	3	20	990
1771	Manganese	7439-96-5	3	5	1,800
1772	Manganese carbonate	598-62-9	6.3	10	60
1773	Manganese dioxide	1313-13-9	4.7	7.9	690
1774	Manganese hydroxide	18933-05-6	4.9	8.1	49
1775	Manganese nitrite	18488-90-9	8	13	78
1776	Manganese oxalate	640-67-5	7.8	13	78
1777	Manganese oxide; (Manganese tetroxide)	1317-35-7	4.2	6.9	6.9
1778	Manganese phosphate	10124-54-6	6.5	11	66
1779	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	0.6	0.6	3.4
1780	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	6.9	11	50
1781	Manganese(II) chloride tetrahydrate	13446-34-9	11	18	290
1782	Manganese(II) nitrate hexahydrate	10377-66-9	16	26	26
1783	Manganese(II) nitrate hydrate	15710-66-4	11	18	110
1784	Manganese(II) sulfate monohydrate	10034-96-5	9.2	15	90
1785	Manganese(III) oxide	1317-34-6	4.3	7.2	13

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1786	Manganese(VII) oxide	12057-92-0	6.1	10	60
1787	Manganous oxide; (Manganese(II) oxide)	1344-43-0	3.9	6.5	22
1788	Manganous sulfate	7785-87-7	8.2	14	430
1789	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	4.8	7.9	47
1790	Mastic (resin)	61789-92-2	0.82	9	2,000
1791	Melamine	108-78-1	10	10	140
1792	Memtetrahydrophthalic anhydride; (Tetrahydrophthalic anhydride)	85-43-8	16	180	1,100
1793	Mephosfolan	950-10-7	0.82	9	9
1794	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	3.8	3.8	9.3
1795	Mercaptobenzoic acid, o-	147-93-3	0.16	1.8	11
1796	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4	8.2	8.2	20
1797	Mercaptoethanol, 2-	60-24-2	1.9	4.1	92
1798	Mercaptopropionic acid, 3-	107-96-0	0.02	0.22	19
1799	Mercuric acetate	1600-27-7	0.048	16	16
1800	Mercuric cyanide	592-04-1	0.12	1.3	35
1801	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	0.057	0.23	63
1802	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	0.037	0.15	41

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1803	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	0.039	0.16	44
1804	Mercuric trifluoroacetate	13257-51-7	0.064	0.085	21
1805	Mercuriol; (Mercury nucleate)	12002-19-6	0.025	0.1	28
1806	Mercurous chloride; (Mercury monochloride)	7546-30-7	0.029	0.12	33
1807	Mercurous nitrate monohydrate	7782-86-7	0.035	0.14	39
1808	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	0.033	0.13	37
1809	Mercurous oxide; (Mercury(I) oxide)	15829-53-5	0.026	0.1	29
1810	Mercury hydroxide	12135-13-6	0.029	0.12	33
1811	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	0.04	0.16	45
1812	Mercury nitrite; (Mercury(II) nitrite)	18541-72-5	0.036	0.15	41
1813	Mercury vapor	7439-97-6	0.15	1.7	8.9
1814	Mercury(I) chloride; (Dimercury dichloride)	10112-91-1	0.029	0.12	33
1815	Mercury(II) chloride; (Mercury bichloride)	7487-94-7	2.7	30	38
1816	Mercury(II) nitrate monohydrate	7783-34-8	0.043	0.17	48
1817	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	1.5	16	30
1818	Mesitylene; (1,3,5-Trimethylbenzene)	108-67-8	690	1,800	1,800
1819	Metaphosphoric acid	37267-86-0	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1820	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	4	44	44
1821	Methacrylaldehyde	78-85-3	0.57	8	13
1822	Methacrylamide	79-39-0	0.49	5.4	91
1823	Methacrylic acid	79-41-4	24	210	770
1824	Methacrylic acid, diester with triethylene glycol; (Polyester TGM3)	109-16-0	33	360	2,100
1825	Methacrylic anhydride	760-93-0	0.41	4.5	16
1826	Methacrylonitrile; (Methylacrylonitrile)	126-98-7	2.7	36	69
1827	Methacryloyl chloride	920-46-7	0.055	0.6	2.6
1828	Methamidophos	10265-92-6	0.68	7.5	7.5
1829	Methane	74-82-8	1,900	1,900	11,000
1830	Methane-d3	676-80-2	2,300	2,300	14,000
1831	Methanesulfonic acid	75-75-2	2.2	24	140
1832	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	0.2	2.2	140
1833	Methanesulfonyl chloride	124-63-0	0.89	9.8	29
1834	Methanesulfonyl fluoride	558-25-8	1.3	14	14
1835	Methidathion; (O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazoliny-3-methyl)dithiophosphate)	950-37-8	1.8	20	160
1836	Methiocarb; (Mercaptodimethur)	2032-65-7	1.4	15	15

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1837	Methomyl	16752-77-5	2.5	10	23
1838	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	7.5	83	300
1839	Methoxybenzyl alcohol, 4-	105-13-5	0.81	9	260
1840	Methoxychlor	72-43-5	30	53	7,000
1841	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	1.3	14	49
1842	Methoxyethylamine, 2-	109-85-3	1.3	14	87
1843	Methoxyethylmercuric acetate	151-38-2	0.048	16	16
1844	Methoxyphenol, p-	150-76-5	15	18	320
1845	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	55	55	55
1846	Methoxytrimethylsilane	1825-61-2	2.1	8.5	21
1847	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	18	18	23
1848	Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone)	872-50-4	41	41	41
1849	Methyl acetate	79-20-9	760	760	30,000
1850	Methyl acetylene	74-99-7	1,600	1,600	25,000
1851	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	4,100	8,200	49,000
1852	Methyl acrylate	96-33-3	21	580	3,500
1853	Methyl alcohol; (Methanol)	67-56-1	690	2,700	9,400

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1854	Methyl alcohol-d	1455-13-6	720	2,800	9,700
1855	Methyl alcohol-d4	811-98-3	780	3,100	11,000
1856	Methyl benzoate; (Benzoic acid, methyl ester)	93-58-3	2.2	24	230
1857	Methyl bromide; (Bromomethane)	74-83-9	74	810	2,900
1858	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	0.93	10	1,300
1859	Methyl chloride	74-87-3	210	1,900	6,200
1860	Methyl chloroformate; (Methyl chlorocarbonate)	79-22-1	0.77	8.5	26
1861	Methyl chlorosilane; (Chloromethylsilane)	993-00-0	5.9	72	330
1862	Methyl cyclohexylfluorophosphonate; (GF)	329-99-7	0.0015	0.018	0.13
1863	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	1.8	20	20
1864	Methyl dichlorosilane; (Dichloromethylsilane)	75-54-7	4.2	52	240
1865	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	0.34	3.7	22
1866	Methyl ether; (Dimethyl ether)	115-10-6	1,900	1,900	14,000
1867	Methyl ethyl ketone peroxide	1338-23-4	1.3	14	64
1868	Methyl fluoride; (Fluoromethane)	593-53-3	13	150	900
1869	Methyl fluoroacetate	453-18-9	0.013	0.14	1.4
1870	Methyl fluorosulfate	421-20-5	0.0098	0.11	0.65

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1871	Methyl formate; (Formic acid, methyl ester)	107-31-3	370	2,000	12,000
1872	Methyl iodide	74-88-4	150	290	730
1873	Methyl isobutyl ketone; (Hexone)	108-10-1	310	310	12,000
1874	Methyl isocyanate	624-83-9	0.058	0.16	0.47
1875	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	130	130	780
1876	Methyl isothiocyanate; (Isothiocyanatomethane)	556-61-6	0.8	23	70
1877	Methyl lithium	917-54-4	0.64	7.1	42
1878	Methyl mercaptan	74-93-1	0.0098	92	130
1879	Methyl mercury	22967-92-6	0.032	0.043	11
1880	Methyl methacrylate	80-62-6	70	490	2,300
1881	Methyl n-amyl ketone	110-43-0	230	230	19,000
1882	Methyl nitrate; (Nitric acid, methyl ester)	598-58-3	2.7	30	180
1883	Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)	163702-07-6 163702-08-7	26,000	84,000	1.50E+05
1884	Methyl parathion	298-00-0	0.11	1.2	3.5
1885	Methyl phencapton	3735-23-7	1	11	44
1886	Methyl phosphonic dichloride	676-97-1	0.13	1.4	6.2

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1887	Methyl phosphonothioic dichloride	676-98-2	1	11	67
1888	Methyl pyridine, 3-; (3-Picoline)	108-99-6	19	170	1,000
1889	Methyl salicylate	119-36-8	0.037	0.4	110
1890	Methyl sulfoxide-d6; (Dimethyl-d6-sulfoxide)	2206-27-1	860	860	3,100
1891	Methyl tert-butyl ether; (MTBE)	1634-04-4	180	2,100	19,000
1892	Methyl thiocyanate	556-64-9	7.7	85	85
1893	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	0.047	0.52	3.1
1894	Methyl vinyl ketone; (3-Buten-2-one)	78-94-4	0.49	3.4	6.9
1895	Methyl-1-butene, 2-	563-46-2	1.90E+05	6.60E+05	1.10E+06
1896	Methyl-1H-benzotriazole	29385-43-1	2	22	130
1897	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	11	120	690
1898	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	1.2	14	81
1899	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	0.03	0.33	2
1900	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	2.9	32	190
1901	Methyl-2-butene, 2-	513-35-9	0.96	11	63
1902	Methyl-2-chloroacrylate	80-63-7	0.45	4.9	17
1903	Methyl-2-heptanone, 6-	928-68-7	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1904	Methyl-2-hexanone, 5-; (Methyl isoamyl ketone)	110-12-3	230	230	720
1905	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	100	100	20,000
1906	Methyl-4-penten-2-one, 4-	3744-02-3	100	100	5,600
1907	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	3	12	110
1908	Methyl-5-vinylpyridine, 2-	140-76-1	0.17	1.9	6.6
1909	Methyl-8-quinolinol, 2-	826-81-3	30	330	2,000
1910	Methylal; (Dimethoxymethane)	109-87-5	3,100	3,100	47,000
1911	Methylamine hydrochloride	593-51-1	0.99	11	320
1912	Methylamino)ethanol, 2-(	109-83-1	7	77	460
1913	Methylaniline, N-	100-61-8	2.2	2.2	440
1914	Methylaziridine, 1-	1072-44-2	4.7	4.7	230
1915	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	2.7	30	180
1916	Methylbutylamine, N-	110-68-9	4.2	46	280
1917	Methylcellulose	9004-67-5	6.8	74	450
1918	Methylchlorosilane; (Chloromethylsilane)	68937-17-7	0.3	3.3	20
1919	Methylcholanthrene, 3-	56-49-5	0.074	0.82	45
1920	Methylcyclohexane	108-87-2	1,600	1,600	40,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1921	Methylcyclohexanone	1331-22-2	7.3	80	480
1922	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	340	1,800	11,000
1923	Methylcyclopentane	96-37-7	2.7	29	2,900
1924	Methyldecane, 4-	2847-72-5	31	330	2,000
1925	Methyldichloroarsine; (Dichloromethylarsine)	593-89-5	0.053	0.053	0.16
1926	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	0.33	16	230
1927	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	0.054	0.11	1.4
1928	Methylene chloride; (Dichloromethane)	75-09-2	690	1,900	24,000
1929	Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)	101-68-8	0.45	5	55
1930	Methylene fluoride; (Difluoromethane; HFC-32)	75-10-5	2,700	2,700	83,000
1931	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5	40	40	240
1932	Methylenebisacrylamide, N,N'-	110-26-9	0.23	2.6	77
1933	Methylenedianiline, 4,4'-	101-77-9	0.81	1.8	20
1934	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	0.42	4.6	27
1935	Methylformamide, N-	123-39-7	2.2	25	530
1936	Methylfuran, 2-	534-22-5	1.2	14	74
1937	Methylheptane, 2-	592-27-8	1,400	1,800	23,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1938	Methylheptane, 4-	589-53-7	1,400	1,800	23,000
1939	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2	30	330	2,000
1940	Methylimidazole, 1-	616-47-7	2.3	25	150
1941	Methylimidazole, 4-	822-36-6	3.7	41	150
1942	Methylactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	9.2	100	610
1943	Methylactonitrile, 2-; (Acetone cyanohydrin)	75-86-5	7	25	52
1944	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	0.33	3.6	21
1945	Methylmagnesium chloridie	676-58-4	1.2	13	79
1946	Methylmercuric dicyanamide	502-39-6	0.045	15	15
1947	Methylmorpholine, 4-	109-02-4	4.9	53	320
1948	Methylnaphthalene, 1-	90-12-0	20	20	360
1949	Methylnaphthalene, 2-	91-57-6	3	3	320
1950	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	0.053	0.59	3.5
1951	Methylnonane, 4-	17301-94-9	2.1	24	140
1952	Methylpentane, 2-; (Isohexane)	107-83-5	1,800	1,800	11,000
1953	Methylpentane, 3-	96-14-0	1,800	1,800	11,000
1954	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	0.067	0.74	280

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1955	Methylphenol, 2-; (o-Cresol)	95-48-7	20	110	1,100
1956	Methylphenol, 3-; (m-Cresol)	108-39-4	20	110	1,100
1957	Methylphenol, 4-; (p-Cresol)	106-44-5	20	110	1,100
1958	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	4.5	50	50
1959	Methylphosphonate	993-13-5	30	330	2,000
1960	Methylphosphonothioic acid, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	0.73	8	8
1961	Methylphosphonothioic acid-, O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	0.91	10	10
1962	Methylphosphonothioic acid, S-(2-(dimethylamino)ethyl) O-ethyl ester	20820-80-8	6.40E-04	0.007	0.042
1963	Methylpropane, 2-; (Isobutane)	75-28-5	1,900	1,900	9,400
1964	Methylpropene, 2-; (Isobutene)	115-11-7	1,700	4,000	24,000
1965	Methylpropylnitrosoamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	0.0074	0.081	4.2
1966	Methylpyridine, 2-; (2-Picoline)	109-06-8	19	19	310
1967	Methylpyrrole, N-	96-54-8	60	660	4,000
1968	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	0.58	6.4	39
1969	Methylstyrene, alpha-	98-83-9	480	480	24,000
1970	Methyltetrahydrofuran, 2-	96-47-9	14	160	930
1971	Methyltriacetoxysilane	4253-34-3	6.2	68	410

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1972	Methyltrichlorosilane; (Trichloromethyl silane)	75-79-6	3.7	45	200
1973	Methyltriethoxysilane	2031-67-6	22	240	1,400
1974	Methyl-trifluoromethanesulfonate	333-27-7	22	230	1,400
1975	Methyltrimethoxysilane	1185-55-3	38	410	2,500
1976	Methyltrioctylammonium chloride	5137-55-3	0.67	7.4	44
1977	Methylvinylidichlorosilane; (Dichloromethylvinylsilane)	124-70-9	5.2	63	290
1978	Methylvinylsiloxane-dimethylsiloxane copolymer, vinyl terminated	68083-18-1	30	330	2,000
1979	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	0.44	4.8	21
1980	Mevinphos; (Phosdrin)	7786-34-7	0.3	4	36.6
1981	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	1.3	14	14
1982	Mica; (mica silicates)	12001-26-2	9	99	590
1983	Michler's ketone; (4,4'-Bis(dimethylamino)benzophenone)	90-94-8	0.2	2.2	14
1984	Mineral fibers, fine	z-0032	30	330	2,000
1985	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5	15	190	8,900
1986	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3	5	5	23
1987	Mineral oil, petroleum distillates, solvent refined light naphthenic	64741-97-5	15	340	2,000
1988	Mineral oil, petroleum distillates, solvent-refined (mild) heavy paraffinic	64741-88-4	15	170	990

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
1989	Mineral oil, white	8042-47-5	15	82	490
1990	Mineral oil; (Oil mist, mineral)	8012-95-1	10	10	2,400
1991	Mirex; (Perchloropentacyclodecane)	2385-85-5	0.018	0.2	47
1992	Mitomycin C	50-07-7	2.1	23	23
1993	Molecular sieve 13X	63231-69-6	6	66	400
1994	Molybdate orange	12656-85-8	8.9	98	590
1995	Molybdenum	7439-98-7	10	10	17
1996	Molybdenum carbide	12011-97-1	11	11	51
1997	Molybdenum dioxide	18868-43-4	1.1	1.1	6.9
1998	Molybdenum disilicide	12136-78-6	48	530	3,200
1999	Molybdenum hexacarbonyl	13939-06-5	83	920	5,500
2000	Molybdenum pentachloride	10241-05-1	4.3	150	880
2001	Molybdenum trioxide	1313-27-5	0.75	0.75	25
2002	Molybdenum(IV) sulfide	1317-33-5	50	66	400
2003	Molybdic acid	7782-91-4	2.5	28	170
2004	Molybdic acid, ammonium salt; (Ammonium molybdate)	11098-84-3	3.5	82	2,700
2005	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	1.1	1.1	230

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2006	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	2.6	29	170
2007	Molybdophosphoric acid	12026-57-2	2.4	26	160
2008	Molybdophosphoric acid hydrate; (Phosphomolybdic acid hydrate)	51429-74-4	2.4	27	160
2009	Monobutyl phosphite	16456-56-7	2.7	30	180
2010	Monochloroamine; (Chloramide)	10599-90-3	0.02	0.22	1.3
2011	Monochloropentafluoroethane; (CFC-115)	76-15-3	19,000	36,000	2.20E+05
2012	Monocrotophos	6923-22-4	0.057	0.63	2.8
2013	Monomethylamine; (Methylamine)	74-89-5	19	81	440
2014	Monomethylhydrazine; (Methyl hydrazine)	60-34-4	0.38	1.7	5.1
2015	Monosodium titanate	60704-88-3	30	330	2,000
2016	Montmorillonite	1318-93-0	0.21	2.3	14
2017	Morpholine	110-91-8	110	110	28,000
2018	Morpholinepropanesulfonic acid, 4-	1132-61-2	0.69	7.6	46
2019	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	0.69	7.6	46
2020	Muscimol; (5-Aminomethyl-3-isoxazole)	2763-96-4	1.5	17	17
2021	Mustard gas sulfoxide; (bis(2-Chloroethyl)sulfoxide)	5819-08-9	0.085	0.93	5.6
2022	Myoglobins	9008-45-1	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2023	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	24	260	1,600
2024	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	81	900	5,400
2025	Nabumetone; (Relafen; 4-(6-Methoxy-2-naphthyl)-2-butanone)	42924-53-8	0.57	6.3	770
2026	Nadic methyl anhydride	25134-21-8	0.44	4.8	29
2027	Naphtha (coal tar); (Naphtha [petroleum] light aliphatic; Aliphatic naphtha)	8030-30-6	1,200	6,800	41,000
2028	Naphtha (petroleum), heavy catalytic cracked	64741-54-4	2.7	29	220
2029	Naphtha (petroleum), light straight-run	64741-46-4	1,200	6,900	41,000
2030	Naphtha, heavy aliphatic solvent	64742-96-7	2.6	29	220
2031	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	1,200	1,200	4,000
2032	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	0.21	2.3	150
2033	Naphthalene	91-20-3	79	79	2,600
2034	Naphthaleneacetamide, 1-	86-86-2	5.1	56	330
2035	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	30	330	2,000
2036	Naphthenic acid, lead salt	61790-14-5	15	170	1,000
2037	Naphthol, 1-	90-15-3	8.7	96	370
2038	Naphthol, 2-	135-19-3	1.5	16	390
2039	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	0.85	9.3	56

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2040	Naphthoquinone, 1,4-	130-15-4	1.5	16	38
2041	Naphthylamine, beta-	91-59-8	0.32	3.5	140
2042	Naphthylthiourea, alpha-; (ANTU)	86-88-4	0.91	10	100
2043	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0	30	330	2,000
2044	Neodecanoic acid	26896-20-8	6	66	400
2045	Neodecanoic acid, calcium salt; (Calcium neodecanoate)	27253-33-4	6	66	400
2046	Neodymium	7440-00-8	30	330	2,000
2047	Neodymium bromide	13536-80-6	5	10	160
2048	Neodymium fluoride	13709-42-7	26	300	1,800
2049	Neodymium hydroxide	16469-17-3	0.75	2	75
2050	Neodymium nitrate	10045-95-1	6.2	68	410
2051	Neodymium nitrate, pentahydrate	14517-29-4	30	330	2,000
2052	Neodymium nitrite	z-0033	0.1	0.75	75
2053	Neodymium(III) chloride	10024-93-8	0.9	9.9	59
2054	Neodymium(III) oxide	1313-97-9	15	170	990
2055	Neon	7440-01-9	54,000	1.90E+05	3.30E+05
2056	Nickel	7440-02-0	4.5	50	99

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2057	Nickel acetate tetrahydrate	6018-89-9	12	12	69
2058	Nickel aluminide	12003-78-0	0.81	8.9	53
2059	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	1.3	28	170
2060	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	1	12	69
2061	Nickel carbonyl	13463-39-3	0.25	0.25	1.1
2062	Nickel chloride; (Nickelous chloride)	7718-54-9	0.22	0.22	21
2063	Nickel cyanide	557-19-7	1.1	13	75
2064	Nickel fluoride	13940-83-5	1.7	19	110
2065	Nickel formate	3349-06-2	7.6	83	500
2066	Nickel oxalate (liquids)	6018-94-6a	0.75	8.3	50
2067	Nickel oxalate (solids)	6018-94-6b	1.9	20	120
2068	Nickel oxide; (Nickel(II) oxide)	1313-99-1	0.76	0.77	1.1
2069	Nickel perchlorate	13637-71-3	3.7	40	240
2070	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	1.3	19	110
2071	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	1.3	2.2	54
2072	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	0.26	0.26	13
2073	Nickel(2+) stearate	2223-95-2	32	360	2,200

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2074	Nickel(II) bromide	13462-88-9	1.1	12	73
2075	Nickel(II) carbonate (1:1)	3333-67-3	0.59	0.59	3.5
2076	Nickel(II) chloride hexahydrate	7791-20-0	1.2	11	21
2077	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	0.071	8.8	53
2078	Nickel(II) nitrate hexahydrate	13478-00-7	1.5	53	320
2079	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	0.6	0.6	1.3
2080	Nickel(II) nitrite	17861-62-0	0.3	3.3	20
2081	Nickel(II) phosphate	10381-36-9	0.6	6.6	40
2082	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	0.37	0.37	0.54
2083	Nicotinamide	98-92-0	2	22	690
2084	Nicotine sulfate	65-30-5	0.82	9	9
2085	Nicotine, dl-beta-; (DL-Nicotine)	22083-74-5	0.56	6.2	37
2086	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	0.5	3.5	35
2087	Nicotinic acid; (Niacin)	59-67-6	0.57	6.2	1,400
2088	Niobium	7440-03-1	30	330	2,000
2089	Niobium chloride	10026-12-7	4.2	46	280
2090	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	0.93	10	430

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2091	Niobium(IV) carbide	12069-94-2	30	330	2,000
2092	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	20	20	190
2093	Nitrate(s)	14797-55-8	30	330	2,000
2094	Nitric acid	7697-37-2	1.4	62	240
2095	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	30	330	2,000
2096	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	2.2	24	150
2097	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	7.3	80	480
2098	Nitric oxide	10102-43-9	0.61	15	25
2099	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	4.4	48	290
2100	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8	9.2	100	110
2101	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	6.1	67	220
2102	Nitrilotris(methylene)trisphosphonic acid; (Amino, tris[methylene phosphonic acid])	6419-19-8	10	10	420
2103	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	4.8	53	320
2104	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	0.11	1.2	110
2105	Nitroaniline, p-	100-01-6	9	13	300
2106	Nitrobenzene	98-95-3	9.1	100	1,000
2107	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	33	360	2,200

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2108	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	92-93-3	0.15	1.6	440
2109	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-Chloronitrobenzene)	121-73-3	0.9	9.9	59
2110	Nitrocyclohexane	1122-60-7	0.14	1.5	6.6
2111	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	5.2	39	210
2112	Nitrodiphenylamine, 2-	119-75-5	24	260	1,600
2113	Nitroethane	79-24-3	520	520	3,100
2114	Nitrogen	7727-37-9	9.10E+05	9.50E+05	1.00E+06
2115	Nitrogen dioxide	10102-44-0	0.94	23	38
2116	Nitrogen mustard hydrochloride	55-86-7	0.15	1.6	2
2117	Nitrogen mustard; (Bis(b-chloroethyl)methylamine; Nitrogen mustard-2)	51-75-2	0.002	0.022	0.37
2118	Nitrogen tetroxide	10544-72-6	0.94	23	38
2119	Nitrogen trifluoride	7783-54-2	580	1,500	2,500
2120	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	0.99	11	66
2121	Nitroglycerin	55-63-0	0.1	2	500
2122	Nitromethane	75-52-5	96	96	2,500
2123	Nitromethane-d3; (Trideuteronitromethane)	13031-32-8	99	99	2,600
2124	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	7.9	86	520

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2125	Nitronium Tetrafluoroborate	13826-86-3	13	150	870
2126	Nitrophenol (mixed isomers)	25154-55-6	1.2	13	40
2127	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	1	11	66
2128	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	0.98	11	65
2129	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7	1.2	13	40
2130	Nitropropane, 1-	108-03-2	91	91	8,400
2131	Nitropropane, 2-	79-46-9	36	36	8,400
2132	Nitropyrene, 1-	5522-43-0	0.0012	0.013	0.077
2133	Nitropyridine-N-oxide, 4-; (Pyridine, 4-nitro, 1-oxide)	1124-33-0	7.3	80	80
2134	Nitrosodimethylamine	62-75-9	1.7	19	19
2135	Nitrosodiphenylamine, p-	156-10-5	0.019	0.2	39
2136	Nitrosodipropylamine; (DPNA)	621-64-7	2	22	95
2137	Nitrosomorpholine	59-89-2	0.074	0.82	4.1
2138	Nitroso-N-methylurea, N-	684-93-5	0.74	8.2	22
2139	Nitrosophenol, p-	104-91-6	1.7	19	110
2140	Nitrosotoluene, 2-; (o-Nitrosotoluene)	611-23-4	1.5	16	99
2141	Nitrosyl chloride	2696-92-6	0.033	0.36	2.2

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2142	Nitrosylsulfuric acid	7782-78-7	1.2	13	79
2143	Nitrotoluene, m-	99-08-1	28	28	1,100
2144	Nitrotoluene, o-	88-72-2	11	11	1,100
2145	Nitrotoluene, p-	99-99-0	20	20	1,100
2146	Nitrous acid	7782-77-6	1.4	62	240
2147	Nitrous oxide	10024-97-2	1,600	18,000	36,000
2148	Nonacosane	630-03-5	30	330	2,000
2149	Nonanal	124-19-6	0.31	3.4	370
2150	Nonane; (Shellsol 140)	111-84-2	1,000	1,000	1,000
2151	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	250	250	1,500
2152	Nonanoic acid	112-05-0	20	220	1,300
2153	Nonanone, 2-	821-55-6	1.1	12	180
2154	Nonene, 1-	124-11-8	1.7	19	110
2155	Nonoxynol-4	7311-27-5	30	330	2,000
2156	Nonyl alcohol	143-08-8	0.37	4	190
2157	Nonyl phenol (mixed isomers)	25154-52-3	0.89	9.8	110
2158	Nonyl phenol, 4- (branched)	84852-15-3	0.074	0.82	260

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2159	Nonyl phenol, p-	104-40-5	1.5	16	320
2160	Nonylphenol, 4-, branched, ethoxylated	127087-87-0	1.9	20	120
2161	Nonylphenoxypolyethoxyethanol	68412-54-4	30	330	2,000
2162	Nonyltrichlorosilane	5283-67-0	6.4	78	350
2163	Norbormide	991-42-4	0.35	3.8	3.8
2164	Norchlorofluoroepibatidine	z-0034	7.40E-06	8.20E-05	5.90E-04
2165	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	0.003	0.033	0.2
2166	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	0.075	0.83	5
2167	Octachloronaphthalene	2234-13-1	0.3	3.3	20
2168	Octacosane	630-02-4	340	1,800	11,000
2169	Octadecane, n-	593-45-3	340	1,800	11,000
2170	Octadecanoic acid, n-; (Stearic acid)	57-11-4	0.13	1.4	8.5
2171	Octadecanol, 1-	112-92-5	2	22	4,000
2172	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	220	2,400	15,000
2173	Octadecyl methacrylate	32360-05-7	30	330	2,000
2174	Octadecyltrichlorosilane	112-04-9	9.5	120	520
2175	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	1,800	19,000	1.90E+05

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2176	Octamethylcyclotetrasiloxane	556-67-2	8.5	93	1,600
2177	Octamethyldiphosphoramidate; (Octamethylpyrophosphoramidate)	152-16-9	0.073	0.8	0.8
2178	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	17	190	1,100
2179	Octanamine, 1-	111-86-4	0.31	3.4	20
2180	Octane, n-	111-65-9	1,400	1,800	23,000
2181	Octanedione, 2,5-	3214-41-3	3.9	43	260
2182	Octanenitrile	124-12-9	2.9	32	190
2183	Octanethiol, 1-	111-88-6	0.27	3	400
2184	Octanoic acid; (Caprylic acid)	124-07-2	30	330	2,000
2185	Octanol, 2-	123-96-6	0.29	3.2	470
2186	Octanone, 2-	111-13-7	200	220	560
2187	Octaphenylcyclotetrasiloxane	546-56-5	14	150	920
2188	Octene, 1-	111-66-0	180	3,700	9,200
2189	Octyl alcohol; (n-Octanol)	111-87-5	27	110	800
2190	Octyl mercaptan, t-	141-59-3	0.33	3.6	11
2191	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9	30	330	2,000
2192	Octyltrichlorosilane	5283-66-9	6	74	330

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2193	Oil gas; (Oil fog)	z-0035	2.9	32	420
2194	Oleum; (fuming Sulfuric acid)	8014-95-7	0.20	8.7	160
2195	Organorhodium complex	z-0036	0.8	0.8	3.5
2196	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	0.29	3.2	19
2197	Osmium	7440-04-2	0.44	4.8	29
2198	Osmium tetroxide	20816-12-0	0.0062	0.087	42
2199	Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)	106602-80-6	1.2	6.9	90
2200	Ouabain	630-60-4	0.75	8.3	8.3
2201	Oxalic acid dihydrate	6153-56-6	1	12	74
2202	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	2	7.4	500
2203	Oxalyl chlorine	79-37-8	4	44	270
2204	Oxamide	471-46-5	1.3	15	89
2205	Oxamyl	23135-22-0	0.15	1.7	4.7
2206	Oxathiane, 1,4-	15980-15-1	10	110	660
2207	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	0.7	7.7	67
2208	Oxone, monopersulfate compound	37222-66-5	30	330	2,000
2209	Oxybis(N,N-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	0.98	11	39

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2210	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	1.5	17	99
2211	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	0.5	5.5	53
2212	Oxydiphenoxarsine, 10,10'-; (Phenoxarsine oxide)	58-36-6	1.7	14	14
2213	Oxydisulfoton	2497-07-6	0.32	3.5	3.5
2214	Oxygen difluoride; (Fluorine monoxide)	7783-41-7	0.16	1.8	5.5
2215	Ozone	10028-15-6	0.18	2	20
2216	Palladium	7440-05-3	0.093	1	6.1
2217	Palladium chloride	7647-10-1	8.1	89	540
2218	Palladium hydroxide	12135-22-7	0.3	2.5	75
2219	Palladium nitrate	10102-05-3	30	330	2,000
2220	Palladium oxide	1314-08-5	15	160	970
2221	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethanolamine	71808-29-2	30	330	2,000
2222	Paraffin, n-	8002-74-2	4.9	4.9	29
2223	Paraffins, petroleum, normal C5-C20	64771-72-8	7,000	76,000	4.60E+05
2224	Paraformaldehyde	30525-89-4	0.74	8.2	47
2225	Paraldehyde	123-63-7	5.6	62	180
2226	Paraquat	4685-14-7	0.1	0.1	1.5

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2227	Paraquat dichloride	1910-42-5	0.1	0.15	1
2228	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	0.014	0.15	20
2229	Parathion	56-38-2	0.14	1.5	2.0
2230	Paris Green; (Cupric acetoarsenite)	12002-03-8	2	22	22
2231	Particulate material (PNOS)	z-0037	30	330	2,000
2232	PBX (mixture of HMX and nitrocellulose [CTN])	z-0038	2.9	3	500
2233	Pentaborane	19624-22-7	0.039	0.36	1.8
2234	Pentachlorobenzene	608-93-5	1.6	18	220
2235	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	2.40E-04	0.0027	0.016
2236	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	7.40E-05	8.20E-04	0.18
2237	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	1.00E-04	0.0011	0.041
2238	Pentachloroethane	76-01-7	320	3,500	3,500
2239	Pentachloronitrobenzene	82-68-8	1.5	10	62
2240	Pentachlorophenol	87-86-5	1.4	15	150
2241	Pentadecafluorooctanoic acid	335-67-1	0.015	16	75
2242	Pentadecane	629-62-9	11	130	760
2243	Pentadecanoic acid	1002-84-2	0.18	1.9	12

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2244	Pentadecylamine	2570-26-5	0.18	2	40
2245	Pentaerythritol	115-77-5	30	81	490
2246	Pentaerythritol tetra(3-mercaptopropionate), reaction products with 2-(hydroxymethyl)-2-((3-mercaptopropoxy)methyl)-1,3-propanediyl bis(3-mercaptopropionate) and 1-octene	95823-35-1	30	330	2,000
2247	Pentaerythritol tetranitrate	78-11-5	0.44	4.8	330
2248	Pentafluorobenzoic acid	602-94-8	0.58	6.4	39
2249	Pentafluoropropane, 1,1,1,3,3-	460-73-1	4,900	7,000	25,000
2250	Pentane, n-	109-66-0	350	1,800	44,000
2251	Pentane-1,5-diol	111-29-5	6	66	400
2252	Pentane-2,4-dione; (Acetylacetone)	123-54-6	100	100	160
2253	Pentanenitrile	110-59-8	0.71	7.8	21
2254	Pentanol, 2-; (sec-Amyl alcohol; Methyl propyl carbinol; Isoamyl alcohol, secondary)	6032-29-7	220	6,000	36,000
2255	Pentanone, 2-; (Methyl propyl ketone)	107-87-9	530	530	18,000
2256	Pentanone, 3-; (Diethyl ketone)	96-22-0	1,100	1,100	1,100
2257	Pentatriacontane	630-07-9	30	330	2,000
2258	Pentene, 1-	109-67-1	55	610	22,000
2259	Pentobarbital sodium; (Nembutal sodium)	57-33-0	0.13	1.4	23
2260	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	13	140	240

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2261	Peptone; (Hydrolized protein, Tryptones)	73049-73-7	30	330	2,000
2262	Peracetic acid	79-21-0	0.52	1.60	15
2263	Perboric acid, sodium salt	7632-04-4	8	88	530
2264	Perchloric acid	7601-90-3	2.5	28	170
2265	Perchloric acid, zinc salt, hexahydrate	10025-64-6	0.51	5.7	34
2266	Perchloroethylene; (Tetrachloroethylene)	127-18-4	240	1,600	8,100
2267	Perchloromethyl mercaptan	594-42-3	0.099	2.3	6.8
2268	Perchloryl fluoride; (Chlorine oxyfluoride)	7616-94-6	6.3	17	50
2269	Percoll	65455-52-9	30	330	2,000
2270	Perfluoro compounds, C5-C18; (Fluorinert electronic liquid perfluoro compounds)	86508-42-1	28	310	24,000
2271	Perfluoroalkylether polymer; (Capped homopolymers of hexafluoropropylene epoxide, Fluorine End-)	60164-51-4	60	660	4,000
2272	Perfluoroisobutylene; (Octafluoro-sec-butene)	382-21-8	0.082	0.9	2.7
2273	Perfluoropolyether; (1,1,2,3,3,3-Hexafluoro-1-propene, oxidized, polymerized; Vacuum pump oil)	69991-67-9	6.7	73	440
2274	Periodic acid	10450-60-9	1.8	1.8	26
2275	Periodic acid, sodium salt	7790-28-5	0.19	2.1	13
2276	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	45	230	1,400
2277	Permafluor E+	z-0039	150	500	500

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2278	Permafluor-V (85+% toluene)	z-0040	690	4,300	16,000
2279	Peroxydicarbonic acid, disodium salt	3313-92-6	3.4	37	220
2280	Petrolatum	8009-03-8	2.5	28	11,000
2281	Petroleum 50 thinner; (Paint thinner)	z-0041	29	320	1,900
2282	Petroleum asphalt	8052-42-4b	0.5	5	30
2283	Petroleum coke, calcined	64743-05-1	30	6,800	40,500
2284	Petroleum distillates, clay-treated light naphthenic	64742-45-6	1.5	17	99
2285	Petroleum distillates, low boiling	68477-31-6	350	1,800	40,500
2286	Petroleum distillates; (Petroleum crude oil)	8002-05-9	350	1,800	40,000
2287	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9	30	1,700	10,000
2288	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0	14	160	940
2289	Petroleum spirits; (VM & P Naphtha, Ligoine, Paint solvent)	8032-32-4	340	1,800	1,800
2290	Phenacetin; (p-Acetophenetidide)	62-44-2	0.4	4.4	40
2291	Phenaglycodol; (Ultran; 2-p-Chlorophenyl-3-methyl-2,3-butanediol)	79-93-6	2.5	27	160
2292	Phenanthrene	85-01-8	0.76	8.3	360
2293	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	30	330	2,000
2294	Phenanthroline, 1,10-	66-71-7	0.03	0.33	16

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2295	Phenol	108-95-2	58	88	770
2296	Phenol red, sodium salt	34487-61-1	6	66	400
2297	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	12	130	790
2298	Phenolphthalein	77-09-8	0.58	6.3	200
2299	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	110	110	250
2300	Phenyl Chloroformate; (Carbonochloridic acid, phenyl ester)	1885-14-9	0.11	1.2	3.6
2301	Phenyl dichloroarsine; (Dichlorophenylarsine)	696-28-6	0.061	0.061	0.18
2302	Phenyl ether; (Diphenyl ether)	101-84-8	14	110	670
2303	Phenyl isocyanate	103-71-9	0.097	0.73	1.2
2304	Phenyl sepharose cl-4b	69106-59-8	30	330	2,000
2305	Phenyl-1,2-propanedione, 1-	579-07-7	0.4	4.5	27
2306	Phenyl-2-oxazoline, 2-	7127-19-7	180	2,000	12,000
2307	Phenyl-2-propanol, 2-; (Dimethylphenylmethanol)	617-94-7	3.9	43	260
2308	Phenylacetylene; (Ethylnylbenzene)	536-74-3	28	310	1,900
2309	Phenylazo)aniline, p-(	60-09-3	0.048	0.53	43
2310	Phenylboric acid; (Benzeneboronic acid)	98-80-6	2.2	24	150
2311	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	31	340	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2312	Phenylene diisocyanate, 1,4-	104-49-4	0.19	2.1	13
2313	Phenylenediamine dihydrochloride, 1,2-	615-28-1	1.8	19	110
2314	Phenylenediamine dihydrochloride, 1,4-	624-18-0	0.44	4.9	29
2315	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	0.3	1.8	83
2316	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	0.3	2	55
2317	Phenylenediamine, p-	106-50-3	0.3	16	41
2318	Phenylhydrazine	100-63-0	1.3	10	1,300
2319	Phenylhydrazine hydrochloride	59-88-1	23	250	250
2320	Phenylmagnesium bromide	100-58-3	1.2	13	79
2321	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	2	22	47
2322	Phenylphenol, 2-	90-43-7	10	110	400
2323	Phenylphosphine	638-21-1	0.02	0.22	7.5
2324	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	4.5	49	300
2325	Phenylsilatrane	2097-19-0	0.091	1	1
2326	Phenylthiourea; (1-Phenyl-2-thiourea)	103-85-5	0.27	3	3
2327	Phenyltriethoxysilane	780-69-8	8.5	93	560
2328	Phenyltrimethoxysilane	2996-92-1	0.59	6.5	39

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2329	Phenylxylylethane; (PXE)	6196-95-8	30	330	2,000
2330	Phloroglucinol dihydrate	6099-90-7	3.4	37	220
2331	Phorate	298-02-2	0.04	0.040	0.12
2332	Phosacetim	4104-14-7	0.34	3.7	3.7
2333	Phosfolan	947-02-4	0.82	9	9
2334	Phosgene	75-44-5	0.4	1.2	3
2335	Phosgene oxime	1794-86-1	0.028	0.083	13
2336	Phosmet	732-11-6	0.049	0.54	55
2337	Phosphamidon; (Famfos)	13171-21-6	0.027	0.3	6
2338	Phosphine	7803-51-2	1.4	2.8	5
2339	Phosphomolybdic acid	11104-88-4	2.5	27	160
2340	Phosphonic acid	13598-36-2	0.42	4.6	380
2341	Phosphonic acid, dioctadecyl ester	19047-85-9	0.06	0.4	2
2342	Phosphonic acid, methyl-, mono(1-methylethyl) ester; (Isopropyl methylphosphonic acid)	1832-54-8	21	230	1,400
2343	Phosphonic acid, tridodecyl ester	3076-63-9	9.5	100	630
2344	Phosphonoacetic acid	4408-78-0	0.3	3.3	20
2345	Phosphoric acid	7664-38-2	3	30	150

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2346	Phosphoric acid, dimethyl-p-(methylthio)phenyl ester	3254-63-5	0.64	7	7
2347	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	3	30	150
2348	Phosphorous pentafluoride	7647-19-0	9.9	110	670
2349	Phosphorous trifluoride	7783-55-3	12	130	760
2350	Phosphorus (red)	7723-14-0	0.27	3	3
2351	Phosphorus (yellow); (White phosphorus)	12185-10-3	0.3	0.51	0.77
2352	Phosphorus oxychloride	10025-87-3	3	3	5.3
2353	Phosphorus pentachloride	10026-13-8	1.8	20	200
2354	Phosphorus pentasulfide	1314-80-3	3	130	750
2355	Phosphorus pentoxide	1314-56-3	1	10	50
2356	Phosphorus trichloride	7719-12-2	1.9	11	31
2357	Phosphorus trioxide	1314-24-5	0.27	2.9	18
2358	Phthalic acid	88-99-3	22	240	1,600
2359	Phthalic acid, benzyl butyl ester; (Benzyl butyl phthalate)	85-68-7	15	20	460
2360	Phthalic anhydride	85-44-9	18.3	20	10,000
2361	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	0.55	6.1	37
2362	Phyllomedusin	26145-48-2	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2363	Physostigmine	57-47-6	0.41	4.5	4.5
2364	Physostigmine salicylate (1:1)	57-64-7	0.23	2.5	2.5
2365	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	3.2	36	78
2366	Picric acid	88-89-1	0.3	17	100
2367	Picrotoxin	124-87-8	1.4	15	15
2368	Pigment green 36	14302-13-7	12	130	790
2369	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	0.95	10	990
2370	Pigment yellow 14	5468-75-7	15	170	990
2371	Pigment yellow 36; (Zinc chromate)	13530-65-9	0.17	0.18	54
2372	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	3	33	200
2373	Pinacolyl alcohol; (tert-Butyl methyl carbinol)	464-07-3	11	130	480
2374	Piperazine	110-85-0	0.99	11	190
2375	Piperidine	110-89-4	23	110	380
2376	Piperonyl butoxide	51-03-6	1.2	13	1,200
2377	Pirimifos-ethyl	23505-41-1	2.3	25	28
2378	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	30	330	2,000
2379	Platinum	7440-06-4	3	33	200

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2380	Platinum cyanide	592-06-3	0.0076	0.083	0.5
2381	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO; Hydrogenated trimer and tetramer of decene)	68649-12-7	2	22	130
2382	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8	6.8	74	140
2383	Poly(1-vinyl-2-pyrrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8	19	200	20,000
2384	Poly(acrylamide-co-diallyldimethylammonium chloride)	26590-05-6	30	330	2,000
2385	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	60	660	4,000
2386	Poly(dimethylsiloxane), hydride terminated	70900-21-9	30	330	2,000
2387	Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated	68083-19-2	48	530	3,200
2388	Poly(divinylbenzene); (Diethenylbenzene homopolymer)	9003-69-4	6	66	400
2389	Poly(ethylene glycol methyl ether)	9004-74-4	66	730	4,400
2390	Poly(ethylene glycol)diacrylate	26570-48-9	1.2	13	79
2391	Poly(melamine-co-formaldehyde), methylated	68002-20-0	44	490	2,900
2392	Poly(oxy-1,2-ethanediyl), alpha-(4-octylphenyl)-omega-hydroxy-; (Polyethylene glycol mono(p-octylphenol)ether)	26636-32-8	1.2	14	81
2393	Poly(oxyethylene)(2) stearyl ether	9005-00-9	5.7	63	380
2394	Poly(styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	30	330	2,000
2395	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	30	330	2,000
2396	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	2.3	25	150

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2397	Polybutyl acrylate	9003-49-0	30	330	2,000
2398	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	2	22	460
2399	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	13	140	860
2400	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	0.28	3.1	790
2401	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	0.28	3.1	890
2402	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	3	410	840
2403	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	2.4	26	2,200
2404	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	1.5	25	200
2405	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	0.15	1.6	260
2406	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl))	z-0043	0.15	1.6	260
2407	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	34	370	2,200
2408	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	33	360	2,200
2409	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	1.1	12	840
2410	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	0.74	8.2	790
2411	Polyether polyol ester	z-0112	12	140	820
2412	Polyethylbenzene residue; (Dowtherm Q)	68987-42-8	14	150	900
2413	Polyethylene	9002-88-4	10	110	1,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2414	Polyethylene glycol	25322-68-3	30	200	18,000
2415	Polyethylene glycol 20M	37225-26-6	270	3,000	18,000
2416	Polyethylene glycol dimethacrylate	25852-47-5	30	330	2,000
2417	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	30	330	2,000
2418	Polyisocyanate prepolymer (based on MDI)	z-0115	0.0072	0.079	0.48
2419	Polymaleic acid; (2-Butenedioic acid (2Z)-, homopolymer)	26099-09-2	30	330	2,000
2420	Polymerized linseed oil	67746-08-1	6	66	400
2421	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	0.15	0.26	22
2422	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2	30	330	2,000
2423	Polymethylmethacrylate; (Lucite)	9011-14-7	0.47	5.2	31
2424	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0	0.73	8	48
2425	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	0.9	9.9	1,500
2426	Polyoxyethylene monoethylphenyl ether	9036-19-5	13	140	830
2427	Polyoxyethylene sorbitan monopalmitate; (Tween 40)	9005-66-7	9.5	100	630
2428	Polyphosphoric acid	8017-16-1	3.6	40	240
2429	Polypropylene	9003-07-0	5.2	58	350
2430	Polypropylene glycol, (chloromethyl) oxirane polymer	9072-62-2	6	66	400

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2431	Polypropylene glycol, polytetramethylene glycol, 1,3-diisocyanatomethylbenzene polymer	65636-36-4	30	330	2,000
2432	Polypropylene glycols	25322-69-4	30	80	480
2433	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6	6.9	76	460
2434	Polysorbate 85; (Tween 85)	9005-70-3	60	660	4,000
2435	Polystyrene resin; (Styrene polymer)	9003-53-6	0.21	2.3	790
2436	Polysulfone resin	25135-51-7	30	330	2,000
2437	Polytetrafluoroethylene; (Teflon)	9002-84-0	0.3	3.3	20
2438	Polyurethane foam; (Urethane polymers)	9009-54-5	0.031	0.34	2
2439	Polyurethane prepolymer of MDI and PEP	68092-58-0	30	330	2,000
2440	Polyvinyl alcohol	9002-89-5	3.7	41	3,300
2441	Polyvinyl chloride	9002-86-2	3	33	200
2442	Potassium	7440-09-7	2.3	25	150
2443	Potassium acetate	127-08-2	9.8	110	640
2444	Potassium acid fluoride	7789-29-9	15	170	1,000
2445	Potassium aluminate	12003-63-3	6	66	400
2446	Potassium aluminite	z-0044	7.5	12.5	500
2447	Potassium aluminosilicate	1327-44-2	30	50	500

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2448	Potassium antimonate; (Antimony potassium oxide)	29638-69-5	3.2	28	170
2449	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	3.2	28	170
2450	Potassium antimonite	z-0045	2.8	25	150
2451	Potassium argentate	z-0046	0.05	0.56	3.4
2452	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	0.072	40	240
2453	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	0.058	0.89	190
2454	Potassium beryllium oxide	z-0047	0.018	0.2	0.8
2455	Potassium bicarbonate	298-14-6	35	60	500
2456	Potassium bi-iodate	13455-24-8	1.8	20	120
2457	Potassium bismuthate	12589-75-2	4	25	200
2458	Potassium bisulfate	7646-93-7	7	77	460
2459	Potassium bromate	7758-01-2	0.3	31	31
2460	Potassium bromide	7758-02-3	9.2	100	610
2461	Potassium cadminate	z-0048	0.069	20	120
2462	Potassium carbonate	584-08-7	0.1	1.1	370
2463	Potassium chlorate	3811-04-9	2.3	25	900
2464	Potassium chloride	7447-40-7	1.1	12	22

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2465	Potassium chromate(VI)	7789-00-6	0.19	1.9	58
2466	Potassium citrate	866-84-2	2.1	23	140
2467	Potassium citrate, monohydrate	6100-05-6	30	330	2,000
2468	Potassium columbate; (Potassium niobate)	12030-85-2	9	99	590
2469	Potassium cyanide	151-50-8	5.3	19	40
2470	Potassium dichromate	7778-50-9	0.14	1.5	44
2471	Potassium dideuterium phosphate	13761-79-0	29	320	1,900
2472	Potassium ferricyanide	13746-66-2	18	54	320
2473	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	12	12	120
2474	Potassium fluoride	7789-23-3	7.6	7.6	1,500
2475	Potassium fluoride dihydrate	13455-21-5	37	420	2,500
2476	Potassium formate	590-29-4	9	99	600
2477	Potassium glycolate	1932-50-9	93	700	3,500
2478	Potassium gold cyanide	554-07-4	47	47	280
2479	Potassium hexacyanoferrate(II) trihydrate; (Potassium ferricyanide trihydrate)	14459-95-1	23	23	140
2480	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-, dipotassium)	16871-90-2	0.072	0.79	31
2481	Potassium hydride	7693-26-7	1.2	13	79

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2482	Potassium hydrogen lead oxide	z-0049	1.9	21	125
2483	Potassium hydrogen metasilicate	z-0051	30	330	2,000
2484	Potassium hydrogen pyrophosphate	z-0050	12.5	20	400
2485	Potassium hydroxide	1310-58-3	0.18	2	54
2486	Potassium iminodiacetate; (Potassium IDA)	z-0052	110	850	4,300
2487	Potassium iodate	7758-05-6	3.1	29	29
2488	Potassium iodide	7681-11-0	0.18	1.9	140
2489	Potassium lanthanate	z-0053	1.25	2.5	2.5
2490	Potassium metaarsenite; (Potassium arsenite)	10124-50-2	1.3	14	530
2491	Potassium metaborate	13709-94-9	35	250	500
2492	Potassium molybdate	13446-49-6	3.7	40	240
2493	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	0.86	9.6	57
2494	Potassium nickelate (liquids)	z-0055	1	12	69
2495	Potassium nickelate (solids)	z-0056	2.1	23	140
2496	Potassium nitrate	7757-79-1	0.074	0.82	600
2497	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1	3.7	40	240
2498	Potassium nitrite	7758-09-0	1.5	16	3,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2499	Potassium orthovanadate	14293-78-8	4.8	53	320
2500	Potassium oxalate	583-52-8	15	160	980
2501	Potassium oxalate monohydrate	6487-48-5	15	160	980
2502	Potassium oxide	12136-45-7	0.18	2	54
2503	Potassium perchlorate	7778-74-7	23	250	1,500
2504	Potassium periodate	7790-21-8	0.63	6.9	41
2505	Potassium permanganate	7722-64-7	8.6	14	78
2506	Potassium peroxymonosulfate; (Peroxymonosulfuric acid, monopotassium salt)	10058-23-8	30	330	2,000
2507	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	0.3	26	160
2508	Potassium phosphate dibasic trihydrate	16788-57-1	30	330	2,000
2509	Potassium phosphate, dibasic	7758-11-4	30	330	2,000
2510	Potassium phosphate, monobasic	7778-77-0	29	320	1,900
2511	Potassium phosphate, tribasic	7778-53-2	29	320	1,900
2512	Potassium phosphide	20770-41-6	1.1	12	22
2513	Potassium pyrophosphate; (Tetrapotassium diphosphate)	7320-34-5	22	250	1,900
2514	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	30	330	2,000
2515	Potassium pyrosulfite; (Potassium metabisulfite)	16731-55-8	3.7	41	250

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2516	Potassium selenate	7790-59-2	0.56	0.56	3.5
2517	Potassium selenite	10431-47-7	1.6	17	100
2518	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	30	330	2,000
2519	Potassium silver cyanide	506-61-6	1.8	20	20
2520	Potassium stannate	12142-33-5	7.5	12.5	125
2521	Potassium strontium phosphate	53201-92-6	30	50	500
2522	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	20	220	1,300
2523	Potassium sulfite	10117-38-1	17	180	1,100
2524	Potassium tellurate	15571-91-2	0.63	6.9	42
2525	Potassium tellurite	7790-58-1	0.6	1.3	4.2
2526	Potassium tetrafluoroborate(1-)	14075-53-7	12	140	830
2527	Potassium tetraphenylborate	3244-41-5	3	33	200
2528	Potassium thiocyanate	333-20-0	8.5	88	88
2529	Potassium trihydrogen silicate	z-0058	30	330	2,000
2530	Potassium tungstate (liquids)	7790-60-5a	5.3	58	350
2531	Potassium tungstate (solids)	7790-60-5b	18	200	1,200
2532	Potassium uranyl carbonate	z-0059	1.2	9.8	59

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2533	Potassium zirconate; (Potassium zirconium oxide; Dipotassium zirconate)	12030-98-7	24	200	1,200
2534	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	1.2	13	79
2535	Praseodymium	7440-10-0	1.2	13	79
2536	Praseodymium nitrate	10361-80-5	5.6	61	370
2537	Praseodymium oxide	12036-32-7	6	66	400
2538	Praseodymium(III,IV) oxide	12037-29-5	15	170	990
2539	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	1.5	16	16
2540	Propanamine, 1-; (Propylamine)	107-10-8	2.4	26	250
2541	Propane	74-98-6	9,900	31,000	59,000
2542	Propane sultone, 1,3-	1120-71-4	1.4	16	95
2543	Propanediamine, 1,2-	78-90-0	6.7	74	440
2544	Propanediamine, 1,3-	109-76-2	0.18	2	62
2545	Propanedinitrile; (Malononitrile)	109-77-3	8.1	13	27
2546	Propanediol, 1,3-	504-63-2	7.8	86	520
2547	Propanediol, 2,2-dimethyl-1,3-	126-30-7	110	1,200	7,400
2548	Propanethiol; (n-Propylmercaptan)	107-03-9	0.15	1.6	1,000
2549	Propanol, zirconium(4+) salt, 1-	23519-77-9	36	300	1,800

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2550	Propargyl alcohol	107-19-7	5.7	37	160
2551	Propargyl bromide	106-96-7	0.03	0.03	10
2552	Propiolactone, b-	57-57-8	1.5	1.5	3.7
2553	Propionaldehyde	123-38-6	110	620	2,000
2554	Propionic acid	79-09-4	45	45	510
2555	Propionic acid, 3-ethoxy-, ethyl ester; (Ethyl-3-ethoxypropionate)	763-69-9	600	600	600
2556	Propionic acid, sodium salt	137-40-6	1.5	16	690
2557	Propionic anhydride	123-62-6	7.1	78	470
2558	Propionitrile; (Propiononitrile)	107-12-0	14	16	83
2559	Propionyl chloride	79-03-8	0.19	2.1	13
2560	Propoxur	114-26-1	0.5	0.5	23
2561	Propoxypropanol, n-; (Propylene glycol monpropyl ether)	30136-13-1	8.6	95	570
2562	Propyl acetate, n-	109-60-4	1,000	1,000	33,000
2563	Propyl alcohol, n-; (n-Propanol)	71-23-8	610	610	9,800
2564	Propyl chloroformate; (Propyl chlorocarbonate)	109-61-5	1.7	19	55
2565	Propyl nitrate	627-13-4	170	1,400	8,600
2566	Propyl-1-butanamine, N-	20193-21-9	50	350	500

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2567	Propylbenzene, n-; (Isocumene)	103-65-1	5.4	59	11,000
2568	Propylene carbonate, 1,2-	108-32-7	3.3	37	220
2569	Propylene glycol dinitrate	6423-43-4	1.2	6.8	88
2570	Propylene glycol monomethyl ether acetate, alpha-isomer; (1-Methoxypropyl-2-acetate)	108-65-6	270	5,400	27,000
2571	Propylene glycol monomethyl ether acetate, beta-isomer; (2-Methoxypropyl-1-acetate)	70657-70-4	270	5,400	27,000
2572	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	107-98-2	550	550	1,700
2573	Propylene glycol mono-n-butyl ether; (3-Butoxy-1-propanol)	10215-33-5	4.2	47	1,200
2574	Propylene glycol; (1,2-Propanediol)	57-55-6	30	1,300	7,900
2575	Propylene oxide; (Methyl ethylene oxide)	75-56-9	170	690	2,100
2576	Propylene; (1-Propene)	115-07-1	860	860	3,300
2577	Propyleneimine, 1,2-	75-55-8	0.93	28	54
2578	Propyltrichlorosilane	141-57-1	4.4	53	240
2579	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	0.15	1.7	10
2580	Pump oil	64742-65-0	15	170	990
2581	Pyrene	129-00-0	0.15	1.7	7.5
2582	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	3	8.6	51
2583	Pyridine	110-86-1	9.7	22	12,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2584	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	5.4	60	360
2585	Pyridine-d5	7291-22-7	10	2,000	12,000
2586	Pyriminil; (Pyriminyl)	53558-25-1	0.56	6.2	24
2587	Pyrogallic acid	87-66-1	0.15	1.6	31
2588	Pyromellitic acid	89-05-4	0.98	11	65
2589	Pyroxylin; (Cellulose tetranitrate)	9004-70-0	15	170	990
2590	Pyrrole; (Imidole)	109-97-7	0.02	0.22	1.3
2591	Pyrrolidine	123-75-1	0.69	7.6	45
2592	Pyrrolidinone, 2-	616-45-5	0.6	6.6	65
2593	Pyruvate kinase	9001-59-6	0.9	9.9	76
2594	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	1.3	14	84
2595	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, chlorides; (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides)	70750-47-9	1.2	13	79
2596	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, nitrates (salts); (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates)	71487-00-8	1.2	13	79
2597	Quinhydrone	106-34-3	0.21	2.3	14
2598	Quinoline	91-22-5	0.016	2.5	66
2599	Quinolinol, 8-	148-24-3	0.85	9.4	240
2600	Red Arrow Insect Spray	z-0117	10	60	200

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2601	Resorcinol	108-46-3	90	90	90
2602	Rexyn I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quaternized, hydroxide)	69011-49-0	30	330	2,000
2603	Rhenium hexafluoride	10049-17-9	20	220	1,300
2604	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	3	33	200
2605	Rhodium	7440-16-6	3	33	200
2606	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a	0.039	0.43	2.6
2607	Rhodium oxide (solids); (Rhodium(IV) oxide)	12137-27-8b	3.9	43	260
2608	Rhodium(III) hydroxide (liquids)	21656-02-0a	0.045	0.5	3
2609	Rhodium(III) hydroxide (solids)	21656-02-0b	4.5	50	300
2610	Rhodium(III) oxide (solids)	12036-35-0	3.7	40	240
2611	Riboflavine	83-88-5	3	33	200
2612	Ribonuclease T1	9026-12-4	30	330	2,000
2613	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	0.3	4.9	4.9
2614	Rotenone	83-79-4	5	5	160
2615	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	1,000	6,700	40,000
2616	Rubidium	7440-17-7	3.9	43	260
2617	Rubidium bromide	7789-39-1	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2618	Rubidium chloride	7791-11-9	13	150	880
2619	Rubidium hydroxide	1310-82-3	1.8	19	120
2620	Rubidium nitrate	13126-12-0	14	150	920
2621	Ruthenium	7440-18-8	30	330	2,000
2622	Ruthenium trichloride	10049-08-8	2.2	24	140
2623	Ruthenium(IV) oxide	12036-10-1	0.05	0.55	1.3
2624	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	1.6	18	390
2625	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	3.5	39	39
2626	Salicylaldehyde	90-02-8	0.054	0.59	100
2627	Salicylic acid	69-72-7	0.11	1.2	180
2628	Salicylic acid, monoammonium salt	528-94-9	1.1	12	120
2629	Salicylic acid, phenyl ester	118-55-8	0.74	8.2	590
2630	Samarium	7440-19-9	30	330	2,000
2631	Samarium nitrate	10361-83-8	6.5	71	430
2632	Samarium(II) iodide solution	32248-43-4	6	66	400
2633	Samarium(III) chloride hexahydrate	13465-55-9	9.2	100	610
2634	Samarium(III) oxide	12060-58-1	15	170	990

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2635	Saxitoxin	35523-89-8	3.30E-05	3.60E-04	0.0022
2636	Scandium	7440-20-2	30	330	2,000
2637	Scandium oxide	12060-08-1	30	330	2,000
2638	Selenious acid	7783-00-8	23	250	250
2639	Selenium	7782-49-2	0.2	0.2	1.6
2640	Selenium dioxide	7446-08-4	0.84	2.3	2.3
2641	Selenium hexafluoride	7783-79-1	0.42	0.69	2.1
2642	Selenium monosulfide	7446-34-6	0.84	1.2	7.5
2643	Selenium oxychloride	7791-23-3	0.91	10	10
2644	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	1.1	4.6	27
2645	Semicarbazide hydrochloride	563-41-7	9.1	100	100
2646	Sephacryl s-200, superfine	65546-95-4	30	330	2,000
2647	Sephacryl s-300	82785-74-8	30	330	2,000
2648	Sephadex G-25	9041-35-4	30	330	2,000
2649	Sepharose cl-4b	61970-08-9	30	330	2,000
2650	Silane; (Silicon tetrahydride)	7803-62-5	130	170	350
2651	Silica amorphous hydrated	7631-86-9	6	6	85

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2652	Silica gel	63231-67-4	18	200	1,200
2653	Silica gel dessicant	1343-98-2	6	6	6
2654	Silica gel, amorphous synthetic	112926-00-8	6	6	6
2655	Silica, amorphous fume	69012-64-2	0.3	0.3	1.6
2656	Silica, amorphous fumed	112945-52-5	6	6	630
2657	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	0.025	0.025	0.025
2658	Silicic acid	7699-41-4	0.9	17	100
2659	Silicic acid, aluminum calcium sodium salt	1344-01-0	10	10	28
2660	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	5.9	65	390
2661	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	9.5	110	630
2662	Silicon	7440-21-3	45	100	630
2663	Silicon carbide	409-21-2	15	15	15
2664	Silicon nitride	12033-89-5	30	330	2,000
2665	Silicon tetrafluoride; (Tetrafluorosilane)	7783-61-1	0.21	14	43
2666	Silicon(II) oxide; (Silicon oxide)	10097-28-6	30	330	2,000
2667	Siloprene k 1000	63394-02-5	3.3	37	990
2668	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	0.07	0.77	4.6

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2669	Siloxanes and silicones, methyl phenyl; (Silicon Y-6607; Silicone fluid, high temp)	67762-92-9	1.6	17	100
2670	Silver	7440-22-4	0.1	0.1	11
2671	Silver carbonate; (Silver(I) carbonate)	534-16-7	0.038	120	740
2672	Silver chloride	7783-90-6	0.04	370	2,200
2673	Silver cyanide	506-64-9	0.037	4.1	24
2674	Silver hydroxide	12673-77-7	0.035	0.4	2.4
2675	Silver nitrate	7761-88-8	0.047	13	16
2676	Silver nitrite; (Silver(I) nitrite)	7783-99-5	0.043	0.46	2.8
2677	Silver oxide	20667-12-3	0.3	93	560
2678	Soda lime	8006-28-8	6	10	25
2679	Sodium	7440-23-5	13	140	870
2680	Sodium acetate	127-09-3	11	120	700
2681	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	11	120	690
2682	Sodium aluminate anhydrous; (Aluminum sodium dioxide anhydrous)	11138-49-1	18	200	1,200
2683	Sodium aluminate; (Aluminum sodium dioxide)	1302-42-7	18	200	1,200
2684	Sodium aluminosilicate	1344-00-9	10	150	500
2685	Sodium aluminum hydride	13770-96-2	1.2	13	80

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2686	Sodium aluminum silicate	73987-94-7	10	15	500
2687	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	3	27	160
2688	Sodium antimonite	z-0061	2.6	23	140
2689	Sodium argentate	z-0062	0.046	0.5	3
2690	Sodium arsenate	7631-89-2	0.081	2.8	270
2691	Sodium arsenite	7784-46-5	0.91	10	170
2692	Sodium azide	26628-22-8	1.8	20	32
2693	Sodium beryllium oxide	z-0063	0.014	0.16	0.62
2694	Sodium bicarbonate	144-55-8	13	140	840
2695	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	12	140	820
2696	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	45	500	3,000
2697	Sodium bismuthate	12232-99-4	1.3	14	83
2698	Sodium bisulfate monohydrate	10034-88-5	0.63	7	42
2699	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	0.82	9	54
2700	Sodium bisulfite	7631-90-5	15	17	400
2701	Sodium borate decahydrate	1303-96-4	6	22	780
2702	Sodium borate; (Disodium tetraborate; Borates, tetrasodium salts)	1330-43-4	6	6	240

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2703	Sodium borohydride	16940-66-2	0.0026	0.029	1.6
2704	Sodium bromate	7789-38-0	0.46	5.1	30
2705	Sodium bromide	7647-15-6	0.3	3.3	690
2706	Sodium butyl (2-ethylhexyl)phosphate	z-0064	0.06	0.4	2
2707	Sodium butyl butylphosphonate	z-0065	0.06	0.4	2
2708	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	1.1	4	510
2709	Sodium cadminate	z-0066	0.06	17	100
2710	Sodium carbonate	497-19-8	12	130	780
2711	Sodium carbonate monohydrate	5968-11-6	14	152	913
2712	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4	7.1	78	5,300
2713	Sodium chloride	7647-14-5	11	120	1,100
2714	Sodium chlorite	7758-19-2	0.15	1.6	33
2715	Sodium chromate decahydrate	13517-17-4	0.33	0.34	100
2716	Sodium chromate tetrahydrate	10034-82-9	0.29	0.3	91
2717	Sodium chromate(VI); (Disodium chromate)	7775-11-3	0.16	0.16	49
2718	Sodium citrate; (Monosodium citrate)	18996-35-5	4	44	270
2719	Sodium cobaltinitrite	13600-98-1	0.041	0.45	2.7

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2720	Sodium cyanide	143-33-9	4.0	14	30
2721	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	30	330	2,000
2722	Sodium deuterioxide	14014-06-3	0.5	5	50
2723	Sodium dichromate dihydrate	7789-12-0	0.14	1.5	45
2724	Sodium dichromate; (Disodium dichromate)	10588-01-9	0.13	0.13	39
2725	Sodium diethyldithiocarbamate trihydrate	20624-25-3	6	50	300
2726	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5	6	9.8	300
2727	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	25	270	1,600
2728	Sodium dithionate dihydrate	7631-94-9	30	330	2,000
2729	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	0.75	8.3	87
2730	Sodium ethoxide	141-52-6	1.2	13	79
2731	Sodium ferrocyanide	13601-19-9	58	58	580
2732	Sodium fluoride	7681-49-4	5.5	5.5	1,100
2733	Sodium formate	141-53-7	18	200	1,200
2734	Sodium gluconate	527-07-1	1	11	69
2735	Sodium glycinate	6000-44-8	1.8	20	120
2736	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	7.4	82	1,400

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2737	Sodium hexahydroxoantimonate; (Sodium antimonate)	33908-66-6	2.4	22	130
2738	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	30	330	2,000
2739	Sodium hydride	7646-69-7	0.27	2.9	18
2740	Sodium hydrogen lead oxide	z-0067	1.9	21	125
2741	Sodium hydrogen metasilicate	z-0068	12.5	75	400
2742	Sodium hydrogen pyrophosphate	z-0069	12.5	20	400
2743	Sodium hydrosulfite	7775-14-6	30	330	2,000
2744	Sodium hydroxide	1310-73-2	0.5	5	50
2745	Sodium hypobromite	13824-96-9	30	330	2,000
2746	Sodium hypochlorite	7681-52-9	2	20	630
2747	Sodium hypochlorite pentahydrate	10022-70-5	4.6	51	290
2748	Sodium hypophosphite	7681-53-0	5.2	57	340
2749	Sodium hypophosphite hydrate	123333-67-5	5.2	57	340
2750	Sodium iodate	7681-55-2	0.83	9.1	55
2751	Sodium iodide	7681-82-5	0.55	6	860
2752	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	0.041	0.45	46
2753	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	2.8	30	790

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2754	Sodium lanthanate	z-0070	1.25	2.5	2.5
2755	Sodium lauryl sulfate	151-21-3	3.9	43	260
2756	Sodium metabisulfite	7681-57-4	5	5	220
2757	Sodium metaborate	7775-19-1	6	77	460
2758	Sodium metaphosphate	10361-03-2	2.7	30	180
2759	Sodium metasilicate nonahydrate	13517-24-3	61	61	250
2760	Sodium metasilicate pentahydrate	10213-79-3	45	45	170
2761	Sodium metavanadate; (Sodium vanadate)	13718-26-8	0.059	0.65	170
2762	Sodium methylate	124-41-4	6.1	67	400
2763	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	2.9	2.9	210
2764	Sodium monoxide; (Sodium oxide)	12401-86-4	0.5	5	50
2765	Sodium nickel oxide (Liquid)	37367-09-2	0.7	7.6	46
2766	Sodium nickelate (Liquids)	z-0073	0.88	9.6	57
2767	Sodium nickelate (Solids)	z-0074	1.8	19	120
2768	Sodium nitrate	7631-99-4	12	130	250
2769	Sodium nitrite	7632-00-0	2.3	26	280
2770	Sodium nitroferricyanide	14402-89-2	0.3	3.3	20

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2771	Sodium o-benzyl-p-chlorophenate	3184-65-4	30	330	2,000
2772	Sodium orthovanadate	13721-39-6	0.54	5.9	250
2773	Sodium oxalate	62-76-0	0.56	6.2	37
2774	Sodium pentachlorophenate	131-52-2	0.22	2.4	8.4
2775	Sodium perchlorate	7601-89-0	6.3	69	420
2776	Sodium perchlorate monohydrate	7791-07-3	3.8	41	250
2777	Sodium permanganate	10101-50-5	7.8	13	78
2778	Sodium peroxide	1313-60-6	0.5	5	50
2779	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	13	140	860
2780	Sodium persulfate	7775-27-1	0.3	8.2	49
2781	Sodium phosphate	7632-05-5	2.2	25	150
2782	Sodium phosphate, dibasic	7558-79-4	51	560	3,400
2783	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	1.4	16	93
2784	Sodium phosphate, dibasic, heptahydrate	7782-85-6	39	430	2,600
2785	Sodium phosphate, monobasic	7558-80-7	25	270	1,600
2786	Sodium phosphate, tribasic, dodecahydrate	10101-89-0	22	240	1,500
2787	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8	19	200	1,200

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2788	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	22	240	1,400
2789	Sodium phosphate, tribasic; (Trisodium phosphate)	7601-54-9	5	250	1,500
2790	Sodium phosphide	12058-85-4	0.75	8.2	15
2791	Sodium polyphosphate	68915-31-1	9.2	100	600
2792	Sodium polytungstate	12141-67-2	14	150	920
2793	Sodium potassium tartrate tetrahydrate	6381-59-5	3.2	36	210
2794	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	3.2	36	210
2795	Sodium p-tert-amylphenate; (4-(1,1-Dimethylpropyl)phenol, sodium salt)	31366-95-7	30	330	2,000
2796	Sodium pyrophosphate decahydrate	13472-36-1	4.3	48	290
2797	Sodium pyrophosphate, di-	7758-16-9	4.3	48	290
2798	Sodium pyruvate; (Pyruvic acid, sodium salt)	113-24-6	30	330	2,000
2799	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	12	140	770
2800	Sodium selenate; (Disodium selenate)	13410-01-0	0.48	1.6	1.6
2801	Sodium selenite	10102-18-8	0.44	2.3	2.3
2802	Sodium silicate; (Sodium metasilicate)	6834-92-0	18	230	230
2803	Sodium stannate	12058-66-1	11	120	720
2804	Sodium stearate	822-16-2	0.26	2.8	17

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2805	Sodium strontium phosphate	19553-80-1	30	50	500
2806	Sodium succinate	150-90-3	15	160	970
2807	Sodium succinate, hexahydrate	6106-21-4	15	160	970
2808	Sodium sulfamate	13845-18-6	6	66	400
2809	Sodium sulfate, anhydrous	7757-82-6	11	130	650
2810	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	0.088	0.96	5.8
2811	Sodium sulfide	1313-82-2	0.62	6.9	41
2812	Sodium sulfide nonahydrate	1313-84-4	0.17	1.9	11
2813	Sodium sulfite	7757-83-7	0.69	7.6	46
2814	Sodium tartrate dihydrate	6106-24-7	3.9	43	260
2815	Sodium tellurate	10101-83-4	0.56	13	76
2816	Sodium tellurite	10102-20-2	1.8	20	33
2817	Sodium tetrafluoroborate(1-)	13755-29-8	11	120	720
2818	Sodium Tetrahydroaluminate	z-0123	26	290	1,700
2819	Sodium tetraphenyl borate	143-66-8	0.86	9.5	57
2820	Sodium thiosulfate	7772-98-7	3	33	1,100
2821	Sodium thiosulfate pentahydrate	10102-17-7	0.85	9.4	1,200

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2822	Sodium titanate	12034-34-3	30	330	2,000
2823	Sodium tolyltriazole; (1H-Benzotriazole, 4(or 5)-methyl-, sodium salt)	64665-57-2	1.9	21	130
2824	Sodium tridecylbenzene sulfonate	26248-24-8	4	44	270
2825	Sodium triethylborohydride	17979-81-6	6	13	79
2826	Sodium trihydrogen silicate	z-0076	30	330	2,000
2827	Sodium tripolyphosphate	7758-29-4	0.22	2.5	620
2828	Sodium tungstate	13472-45-2	3	3	240
2829	Sodium tungstate dihydrate	10213-10-2	5.4	13	81
2830	Sodium uranate; (Disodium uranate hexahydrate)	66018-57-3	0.94	7.8	47
2831	Sodium uranium oxide monohydrate; (Sodium uranate(VI) monohydrate)	10135-92-9	0.82	6.8	41
2832	Sodium uranyl carbonate	z-0078	1.1	9	54
2833	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	22	180	1,100
2834	Sodium-Potassium	11135-81-2	0.5	5	50
2835	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7	0.32	3.5	21
2836	Solvent Yellow 3	97-56-3	0.32	3.6	300
2837	Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate; GD)	96-64-0	0.0013	0.016	0.13
2838	Sorbitan monolaurate; (D-Glucitol, 1,4-anhydro-, 6-dodecanoate)	5959-89-7	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2839	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8	7.3	81	480
2840	Sorbitan trioleate	26266-58-0	3	33	200
2841	Sorbitan, monolaurate	1338-39-2	59	650	6,700
2842	Sorbitan, monooleate	1338-43-8	45	490	3,000
2843	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6	41	450	2,700
2844	Sorbitan, monostearate	1338-41-6	74	820	6,100
2845	Sorbitol, D-; (D-Glucitol)	50-70-4	30	330	3,100
2846	Soybean oil; (Glycine soja)	8001-22-7	3.4	38	6,500
2847	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5	0.28	3.1	65
2848	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	8.2	90	540
2849	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	4.4	4.4	880
2850	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	3.2	3.2	640
2851	Stannous octoate	301-10-0	0.68	110	670
2852	Starch dust	9005-25-8	30	1,200	1,400
2853	Stibine; (Antimony hydride)	7803-52-3	0.69	7.6	49
2854	Stilbene	588-59-0	3.8	41	250
2855	Stilbene 3; (Stilbene 420; Tinopal CBS; Disodium 4,4'-bis(2-sulfostyryl)biphenyl)	27344-41-8	0.087	0.96	160

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2856	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	590	2,100	1.70E+05
2857	Strontium	7440-24-6	7.1	78	470
2858	Strontium carbonate	1633-05-2	0.93	10	61
2859	Strontium chloride	10476-85-4	1.4	15	360
2860	Strontium hydroxide	18480-07-4	0.75	2	75
2861	Strontium nitrate	10042-76-9	0.2	2.2	370
2862	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	0.1	0.75	75
2863	Strontium oxalate	814-95-9	25	60	75
2864	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	30	50	500
2865	Strontium phosphide	12504-13-1	1.2	13	24
2866	Strontium sulfate	7759-02-6	30	330	2,000
2867	Strychnine	57-24-9	0.15	0.3	3
2868	Strychnine sulfate (2:1)	60-41-3	0.45	5	40
2869	Styrene	100-42-5	85	550	4,700
2870	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	1.2	13	95
2871	Styrene-allyl alcohol copolymer	25119-62-4	30	330	2,000
2872	Styrene-divinylbenzene resin, chloromethylated, aminated with trimethylamine; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2873	Styrenesulfonate), poly(sodium 4-	25704-18-1	30	330	1,600
2874	Succinic acid	110-15-6	6.8	75	450
2875	Succinic anhydride	108-30-5	0.21	2.4	300
2876	Succinimidyl-6-(beta-maleimidopropionamido)hexanoate; (SMPH)	z-0120	30	330	2,000
2877	Sucrose	57-50-1	30	980	5,900
2878	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6	7.8	85	10,000
2879	Sulfamic acid	5329-14-6	9.5	100	630
2880	Sulfanilamide	63-74-1	0.62	6.8	770
2881	Sulfanilic acid	121-57-3	37	410	2,400
2882	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	30	330	2,000
2883	Sulfonylbis-ethanol, 2,2'-	2580-77-0	1.2	13	79
2884	Sulfosalicylic acid	97-05-2	7.4	81	490
2885	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	5.6	61	370
2886	Sulfotep; (TEDP)	3689-24-5	0.32	3.5	35
2887	Sulfur	7704-34-9	2.8	31	190
2888	Sulfur dioxide	7446-09-5	0.52	2	79
2889	Sulfur hexafluoride	2551-62-4	6,000	6,000	6,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2890	Sulfur monochloride	10025-67-9	2.9	35	83
2891	Sulfur pentafluoride	5714-22-7	0.1	0.1	10
2892	Sulfur tetrafluoride	7783-60-0	0.84	9.2	9.2
2893	Sulfur trioxide	7446-11-9	0.20	8.7	160
2894	Sulfuric acid	7664-93-9	0.20	8.7	160
2895	Sulfuric acid-d ₂ ; (Deuteriosulfuric acid)	13813-19-9	0.2	8.7	160
2896	Sulfurous acid	7782-99-2	0.0099	0.11	0.66
2897	Sulfuryl chloride	7791-25-5	1.7	20	61
2898	Sulfuryl fluoride	2699-79-8	42	88	270
2899	Talc	14807-96-6	2	2	2.6
2900	Tall oil (alkyd resin)	68333-62-0	30	330	2,000
2901	Tantalum	7440-25-7	10	11	64
2902	Tantalum carbide	12070-06-3	11	120	730
2903	Tantalum(V) ethoxide	6074-84-6	30	330	2,000
2904	Tantalum(V) fluoride	7783-71-3	22	250	1,500
2905	Tantalum(V) oxide	1314-61-0	12	12	1,600
2906	Tartaric acid	87-69-4	1.6	17	100

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2907	Tartaric acid, monopotassium salt	868-14-4	140	1,500	9,000
2908	Tartaric acid, monosodium salt	526-94-3	7.1	79	470
2909	Technetium(IV) oxide	12036-16-7	30	330	2,000
2910	Tellurium	13494-80-9	1.8	20	20
2911	Tellurium chloride	10026-07-0	0.63	0.88	5.3
2912	Tellurium hexafluoride	7783-80-4	0.18	0.18	0.52
2913	Tellurium oxide; (Tellurium dioxide)	7446-07-3	0.38	0.89	16
2914	Tellurous acid	10049-23-7	0.42	4.6	28
2915	Terbium	7440-27-9	1.2	13	79
2916	Terbium oxide	12036-41-8	30	330	2,000
2917	Terbium(III,IV) oxide	12037-01-3	30	330	2,000
2918	Terbufos	13071-79-9	0.091	1	1
2919	Terephthalic acid	100-21-0	30	81	350
2920	Terephthaloyl chloride	100-20-9	0.17	1.9	500
2921	Terphenyl, p-	92-94-4	0.45	5	240
2922	Terphenyls; (Diphenylbenzene)	26140-60-3	0.45	5	1,400
2923	Tert-butyl alcohol; (tert-Butanol)	75-65-0	450	450	24,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2924	Tert-butyl benzoic acid, p-	98-73-7	2	2	94
2925	Tert-butyllithium	594-19-4	1.2	13	79
2926	Tert-butylphenol, p-; (Tert-butylphenol, 4-)	98-54-4	1.5	36	220
2927	Tert-butylpyridine, 4-	3978-81-2	30	330	2,000
2928	Tetraamminepalladium(II) nitrate	13601-08-6	1.2	13	79
2929	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	4.2	11	140
2930	Tetrabutyl ammonium phosphate	5574-97-0	30	330	2,000
2931	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	9.4	100	620
2932	Tetrabutylammonium fluoride; (N,N,N-Tributyl-1-butanaminium, fluoride)	429-41-4	100	1,200	6,900
2933	Tetrabutylammonium hydroxide	2052-49-5	0.013	0.14	0.85
2934	Tetrabutylammonium nitrate	1941-27-1	0.033	0.36	2.2
2935	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	1,200	2,400	1.20E+05
2936	Tetrachlorobenzene, 1,2,3,4-	634-66-2	2.2	25	230
2937	Tetrachlorobenzene, 1,2,4,5-	95-94-3	0.24	2.6	340
2938	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	7.40E-05	8.20E-04	0.2
2939	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	0.003	0.033	0.2
2940	Tetrachloroethane (mixed isomers)	25322-20-7	0.81	8.9	270

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2941	Tetrachloroethane, 1,1,1,2-	630-20-6	3.7	41	93
2942	Tetrachloroethane, 1,1,2,2-	79-34-5	7	7	1,000
2943	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	0.87	9.6	58
2944	Tetrachlorosilane; (Silicon chloride)	10026-04-7	3.1	38	170
2945	Tetracosafuorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	10	110	680
2946	Tetracyanoquinodimethane	1518-16-7	0.18	2	12
2947	Tetracycline hydrochloride	64-75-5	0.57	6.3	1,300
2948	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	28	310	24,000
2949	Tetradecane; (n-Tetradecane)	629-59-4	39	430	2,600
2950	Tetradecanoic acid; (Myristic acid)	544-63-8	0.14	1.6	9.3
2951	Tetradecyltrimethylammonium bromide	1119-97-7	12	130	770
2952	Tetraethyl lead	78-00-2	0.36	4	62
2953	Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)	78-10-4	210	850	2,600
2954	Tetraethyl pyrophosphate; (TEPP)	107-49-3	0.091	1	10
2955	Tetraethylammonium chloride	56-34-8	0.2	2.2	520
2956	Tetraethylene glycol	112-60-7	87	960	5,700
2957	Tetraethylene glycol diacrylate	17831-71-9	2.1	2.1	160

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2958	Tetraethylenepentamine	112-57-2	15	130	790
2959	Tetraethyltin; (Tetraethylstannane)	597-64-8	0.4	7	7
2960	Tetrafluoroethane, 1,1,1,2-; (HFC 134a)	811-97-2	33,000	54,000	1.10E+05
2961	Tetrafluoroethane, 1,1,2,2-; (HFC 134)	359-35-3	33,000	54,000	1.10E+05
2962	Tetrafluoroethylene	116-14-3	900	2,200	13,000
2963	Tetrafluorohydrazine	10036-47-2	3.4	3.4	2,900
2964	Tetrahydro-2,5-dimethyl furan	1003-38-9	12	130	790
2965	Tetrahydrofuran	109-99-9	290	1,500	15,000
2966	Tetrahydrofuran-d8	1693-74-9	330	1,600	16,000
2967	Tetrahydromethyl-1,3-isobenzofurandione, 3A,4,7,7A-; (Methyltetrahydrophthalic anhydride)	26590-20-5	7.7	85	510
2968	Tetrahydronaphthalene, 1,2,3,4-; (Tetralin)	119-64-2	0.021	0.23	66
2969	Tetrahydropyridine, 1,2,3,6-	694-05-3	30	330	2,000
2970	Tetramethoxypropane, 1,1,3,3-; (Malonaldehyde bis(dimethyl acetal))	102-52-3	6	66	400
2971	Tetramethoxysilane; (Methyl silicate)	681-84-5	5.7	5.7	8.7
2972	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	0.23	2.5	15
2973	Tetramethyl ethylene diamine	110-18-9	2.8	30	280
2974	Tetramethyl lead	75-74-1	0.36	4	52

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2975	Tetramethyl-1,3-butanediamine, N,N,N',N'-; (Tetramethyl butanediamine)	97-84-7	1.4	16	94
2976	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	30	330	2,000
2977	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	30	330	2,000
2978	Tetramethylammonium chloride	75-57-0	0.15	1.7	9.9
2979	Tetramethylammonium hydroxide	75-59-2	0.027	0.29	0.67
2980	Tetramethylammonium hydroxide pentahydrate	10424-65-4	0.053	0.58	1.3
2981	Tetramethylammonium silicate	53116-81-7	30	330	2,000
2982	Tetramethylbenzene, 1,2,3,5-	527-53-7	15	170	1,000
2983	Tetramethylbenzene, 1,2,4,5-	95-93-2	20	220	1,300
2984	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7	0.44	4.9	29
2985	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	1.3	12	12
2986	Tetramethylsilane	75-76-3	360	470	970
2987	Tetranitromethane	509-14-8	0.38	4.2	14
2988	Tetraoxadodecane, 2,5,8,11-	112-49-2	1	11	67
2989	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Lauryl alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	30	330	2,000
2990	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	2.8	2.8	6.9
2991	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	15	75	400

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
2992	Tetrapropoxysilane	682-01-9	6	66	400
2993	Tetrapropylammonium hydroxide	4499-86-9	0.035	0.39	2.3
2994	Tetrapropylorthotitanate	3087-37-4	30	330	2,000
2995	Tetrasodium pyrophosphate	7722-88-5	15	130	790
2996	Tetrazole, 1H-	288-94-8	1.2	13	79
2997	Thallium	7440-28-0	0.06	1.2	1.9
2998	Thallium chloride; (Thallium(I) chloride)	7791-12-0	0.18	2	23
2999	Thallium hydroxide	12026-06-1	0.065	3.7	22
3000	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	0.078	16	26
3001	Thallium nitrite	13826-63-6	0.074	4.2	25
3002	Thallium oxide	1314-12-1	0.062	3.5	21
3003	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	0.18	2	21
3004	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	0.077	0.25	26
3005	Thallium(I) carbonate (2:1)	6533-73-9	0.18	2	23
3006	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	0.18	2	25
3007	Thallium(III) oxide; (Thallium sesquioxide; Thallic oxide)	1314-32-5	0.18	2	8.7
3008	Thallium(III) perchlorate hexahydrate	15596-83-5	0.18	10	60

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3009	Thallos malonate	2757-18-8	0.18	2	25
3010	Thenoyltrifluoroacetone	326-91-0	0.9	9.9	59
3011	Thioacetamide	62-55-5	0.33	3.7	60
3012	Thioacetic acid	507-09-5	0.25	2.7	16
3013	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	0.12	1.3	1.3
3014	Thiocarbazine; (Thiocarbohydrazide)	2231-57-4	9.1	100	100
3015	Thiocresol, p-; (p-Toluenethiol)	106-45-6	0.66	7.2	43
3016	Thiocyanic acid, compound with guanidine (1:1); (Guanidine thiocyanate salt)	593-84-0	0.98	11	65
3017	Thiodiglycol	111-48-8	20	220	1,300
3018	Thiofanox; (Dacamox)	39196-18-4	0.77	8.5	8.5
3019	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	0.32	3.5	3.5
3020	Thionyl chloride	7719-09-7	0.97	12	68
3021	Thiophosphoryl chloride	3982-91-0	0.24	2.7	6.1
3022	Thiosemicarbazide	79-19-6	0.84	9.2	9.2
3023	Thiourea	62-56-6	0.84	9.3	80
3024	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	0.15	6.8	1,500
3025	Thorium	7440-29-1	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3026	Thorium hydroxide	13825-36-0	30	330	2,000
3027	Thorium nitrite	z-0079	30	330	2,000
3028	Thorium oxalate	2040-52-0	57	630	3,800
3029	Thorium oxide; (Thorium dioxide)	1314-20-1	30	330	2,000
3030	Thorium perchlorate	16045-17-3	43	460	2,800
3031	Thorium(IV) nitrate	13823-29-5	2.9	32	190
3032	Thulium	7440-30-4	30	330	2,000
3033	Thulium chloride	13537-18-3	7	77	460
3034	Thulium oxide	12036-44-1	30	330	2,000
3035	Thymol blue; (6,6'-(3H-2,1-benzoxathiol-3-ylidene)dithymol, S,S-dioxide)	76-61-9	30	330	2,000
3036	Thyodene; (Amylodextrin)	9005-84-9	30	330	2,000
3037	Tin	7440-31-5	6	67	400
3038	Tin fluoroborate	13814-97-6	15	170	990
3039	Tin hydroxide	12026-24-3	7.7	85	510
3040	Tin nitrate	41480-79-9	12	140	820
3041	Tin nitrite	100737-27-7	11	120	710
3042	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	3.8	3.8	760

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3043	Tin(II) oxide	1332-29-2	7.6	85	510
3044	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	3.6	3.6	720
3045	Tin(IV) isopropoxide	1184-61-8	0.7	7.7	46
3046	Tin(IV) oxide; (Stannic oxide)	18282-10-5	7.6	85	510
3047	Titanium	7440-32-6	0.12	1.3	7.7
3048	Titanium aluminide	39410-63-4	3	33	200
3049	Titanium boride	12045-63-5	19	210	1,300
3050	Titanium carbide	12070-08-5	30	330	2,000
3051	Titanium chloride	7705-07-9	0.046	0.5	3
3052	Titanium hydride	7704-98-5	0.019	0.2	1.2
3053	Titanium oxide; (Titanium dioxide)	13463-67-7	10	10	10
3054	Titanium tetrachloride	7550-45-0	5	7.8	44
3055	Titanium(II) oxide	12137-20-1	30	330	2,000
3056	Titanium(III) fluoride	13470-08-1	14	150	920
3057	Titanium-based alloy; (Titanium compounds)	z-0081	30	330	2,000
3058	Toluene	108-88-3	750	4,500	17,000
3059	Toluene diisocyanate (mixed isomers)	26471-62-5	0.32	3	3

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3060	Toluene diisocyanate, trimethylolpropane, epsilon-caprolactone polymer, methylated	71342-93-3	30	330	2,000
3061	Toluene-2,4-diisocyanate; (TDI)	584-84-9	0.14	0.59	3.6
3062	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	1.1	12	69
3063	Toluene-2,6-diisocyanate	91-08-7	0.14	0.59	3.6
3064	Toluene-d8; (Deuterated toluene)	2037-26-5	820	4,900	18,000
3065	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	0.075	5.7	120
3066	Toluenesulfonamide, p-; (Pasam)	70-55-3	0.82	9	54
3067	Toluenesulfonic acid, methyl ester, p-	80-48-8	0.074	0.82	68
3068	Toluenesulfonyl chloride, p-	98-59-9	0.45	5	30
3069	Toluenesulphonic acid monohydrate, para-; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	7.7	85	510
3070	Toluenethiol, m-	108-40-7	0.16	1.8	11
3071	Toluidine, m-; (3-Methylaniline)	108-44-1	23	23	89
3072	Toluidine, o-	95-53-4	8.8	8.8	440
3073	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	6	12	67
3074	Toxaphene; (Chlorinated camphene)	8001-35-2	1	20	200
3075	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	0.4	4.4	19
3076	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6	0.35	3.8	990

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3077	Tri(2-ethylhexyl) phosphate; (Tris(2-ethylhexyl)phosphate)	78-42-2	2.2	6.3	6.3
3078	Triacetin; (Triacetyl glycerin)	102-76-1	9	99	590
3079	Triamiphos	1031-47-6	0.91	10	10
3080	Triaryl sulfonium chloride salts	109037-76-5	1.1	12	72
3081	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	2.3	25	150
3082	Triazofos; (Triazophos)	24017-47-8	0.25	2.8	12
3083	Tribenzylamine	620-40-6	30	330	2,000
3084	Tributyl citrate	77-94-1	4.7	52	630
3085	Tributyl phosphate	126-73-8	6.5	38	1,400
3086	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6	0.53	5.9	35
3087	Tributyl-1-butanaminium iodide, N,N,N-; (Tetrabutylammonium iodide)	311-28-4	6	66	390
3088	Tributylphosphine	998-40-3	2.3	25	150
3089	Tributyltetradecylphosphonium chloride	81741-28-8	30	330	2,000
3090	Trichloramine; (Nitrogen chloride)	10025-85-1	0.11	1.2	19
3091	Trichloro(dichlorophenyl) silane; (Dichlorophenyltrichlorosilane)	27137-85-5	6.9	84	380
3092	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	100	1,200	6,900
3093	Trichloro-2-nitrosobenzene, 1,3,5-	1196-13-0	3.6	40	240

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3094	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	6	66	160
3095	Trichloroacetaldehyde; (Chloral)	75-87-6	0.16	1.8	19
3096	Trichloroacetic acid	76-03-9	6.7	6.7	79
3097	Trichloroacetyl chloride	76-02-8	0.41	4.5	21
3098	Trichlorobenzene, 1,2,3-	87-61-6	6.3	6.3	360
3099	Trichlorobenzene, 1,2,4-	120-82-1	3.4	37	150
3100	Trichloroethane, 1,1,1-; (Methyl chloroform)	71-55-6	1,300	3,300	23,000
3101	Trichloroethane, 1,1,2-	79-00-5	81	81	2,700
3102	Trichloroethanol, 2,2,2-	115-20-8	2.2	25	120
3103	Trichloroethylene	79-01-6	700	2,400	20,000
3104	Trichloroethylsilane; (Ethyl trichlorosilane)	115-21-9	4	49	220
3105	Trichlorofluoromethane; (Fluorotrichloromethane; Freon 11)	75-69-4	5,600	8,400	56,000
3106	Trichlorohydroxyethyl dimethylphosphonate; ((2,2,2-Trichloro-1-hydroxyethyl)dimethylphosphonate; Trichlorphon)	52-68-6	1.2	13	57
3107	Trichloroisocyanuric acid	87-90-1	59	650	3,900
3108	Trichloronaphthalene	1321-65-9	15	170	990
3109	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	0.91	10	27
3110	Trichloronitrobenzene, 2,4,5-	89-69-0	3.6	40	240

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3111	Trichlorophenol, 2,3,6-	933-75-5	1.8	20	120
3112	Trichlorophenol, 2,4,5-	95-95-4	7.4	82	160
3113	Trichlorophenol, 2,4,6-	88-06-2	1.8	20	160
3114	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (Silvex)	93-72-1	0.3	3.3	130
3115	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	10	10	59
3116	Trichlorophenylsilane	98-13-5	5.2	63	290
3117	Trichloropropane, 1,2,3-	96-18-4	60	60	6,000
3118	Trichlorosilane	10025-78-2	3.3	40	180
3119	Trichlorotrifluoroethane; (Freon 113; CFC113)	76-13-1	9,600	11,000	34,000
3120	Tridecane	629-50-5	0.02	0.22	18
3121	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	6	66	400
3122	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	15	51	1,100
3123	Triethoxysilane	998-30-1	3.4	27	67
3124	Triethoxyvinylsilane	78-08-0	18	200	1,200
3125	Triethyl phosphate; (TEP)	78-40-0	4.2	46	9,200
3126	Triethyl phosphite	122-52-1	8.5	93	560
3127	Triethylaluminum	97-93-8	12	12	69

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3128	Triethylamine	121-44-8	12	12	4,100
3129	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9	30	330	2,000
3130	Triethylbenzene (mixed isomers)	25340-18-5	31	340	2,000
3131	Triethylene glycol	112-27-6	1,000	1,000	5,500
3132	Triethylene glycol monomethyl ether	112-35-6	34	370	2,200
3133	Triethylenetetramine	112-24-3	18	34	500
3134	Triethylethanaminium hydroxide, N,N,N-; (Tetraethyl ammonium hydroxide)	77-98-5	0.072	0.8	4.8
3135	Triethyloxonium tetrafluoroborate	368-39-8	19	220	1,300
3136	Triethylphosphorothioate; (Tepto)	126-68-1	0.22	2.4	15
3137	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4-, boron difluoride	22502-27-8	0.33	3.6	22
3138	Trifluoro-4-nitro-m-cresol, alpha,alpha,alpha-; (4-Nitro-3-(trifluoromethyl)phenol)	88-30-2	0.42	4.7	28
3139	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4	0.98	11	65
3140	Trifluoroacetic acid anhydride	407-25-0	14	150	920
3141	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	0.81	8.9	40
3142	Trifluoroacetyl chloride	354-32-5	18	1,100	6,500
3143	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	3.7	7.8	97
3144	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	0.41	4.5	27

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3145	Trifluoromethanesulfonic anhydride	358-23-6	1.2	13	79
3146	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	390	3,100	3,100
3147	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	0.4	4.4	19
3148	Trifluralin; (2,6-Dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine)	1582-09-8	2.3	26	78
3149	Triisobutylaluminum	100-99-2	44	260	1,600
3150	Trimethoxy(3,3,3-trifluoropropyl)silane	429-60-7	29	320	1,900
3151	Trimethoxyboroxine	102-24-9	15	170	1,000
3152	Trimethoxysilane	2487-90-3	2.5	4.1	12
3153	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	30	330	2,000
3154	Trimethoxysilyl-1-propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	2.2	24	150
3155	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	71	780	4,700
3156	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	23	250	1,500
3157	Trimethoxyvinylsilane; (Vinyltrimethoxysilane; Silane, trimethoxyvinyl-)	2768-02-7	11	120	740
3158	Trimethyl borate	121-43-7	18	200	1,200
3159	Trimethyl phosphate; (TMP)	512-56-1	8.1	89	170
3160	Trimethyl phosphite	121-45-9	31	310	1,600
3161	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4	20	220	1,300

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3162	Trimethyl-1-pentene, 2,4,4-; (Diisobutylene)	107-39-1	1,000	11,000	67,000
3163	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	30	330	2,000
3164	Trimethyl-2-hexene, 4,4,5-	55702-61-9	30	330	2,000
3165	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, epsilon-lactone)	64047-30-9	22	250	1,500
3166	Trimethylacetic acid; (Pivalic acid)	75-98-9	2.7	30	180
3167	Trimethylacetyl chloride; (Pivaloyl chloride)	3282-30-2	0.24	2.6	7.9
3168	Trimethylaluminum	75-24-1	16	170	1,000
3169	Trimethylamine	75-50-3	19	290	920
3170	Trimethylaniline, 2,4,6-	88-05-1	0.26	2.9	10
3171	Trimethylbenzene, 1,2,3-	526-73-8	690	1,800	3,700
3172	Trimethylbenzene, 1,2,4-; (Pseudocumene)	95-63-6	690	1,800	1,800
3173	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (alpha-Pinene)	80-56-8	120	120	730
3174	Trimethylchlorosilane	75-77-4	8	98	440
3175	Trimethyldecane, 2,2,3-	62338-09-4	350	1,800	11,000
3176	Trimethyldecane, 2,2,8-	62238-01-1	350	1,800	11,000
3177	Trimethyldecane, 2,5,6-	62108-23-0	350	1,800	11,000
3178	Trimethylene oxide; (Oxetane)	503-30-0	0.0085	0.093	20

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3179	Trimethylgallium	1445-79-0	1.2	13	79
3180	Trimethylhexane, 2,2,5-	3522-94-9	350	1,800	11,000
3181	Trimethyl-N'-(hydroxyethyl)-1,3-propanediamine, N,N,N'-; (2-((3-(Dimethylamino)propyl)methylamino)ethanol)	82136-26-3	30	330	2,000
3182	Trimethyloctane	98060-52-7	350	1,800	2,800
3183	Trimethyloctane, 2,2,6-	62016-28-8	350	1,800	11,000
3184	Trimethyloctane, 2,3,7-	62016-34-6	350	1,800	11,000
3185	Trimethyloctane, 2,4,6-	62016-37-9	350	1,800	11,000
3186	Trimethyloctane, 2,6,6-	54166-32-4	350	1,800	11,000
3187	Trimethylolpropane ethoxylate	50586-59-9	30	330	2,000
3188	Trimethylolpropane phosphite	824-11-3	0.23	2.5	2.6
3189	Trimethylphosphine	594-09-2	0.21	2.3	14
3190	Trimethylpyridine, 2,4,6-	108-75-8	5.8	63	380
3191	Trimethylsilanol	1066-40-6	1.8	7.4	18
3192	Trimethylsilylmethyl lithium	1822-00-0	1.2	13	79
3193	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	0.34	20	20
3194	Trimethyltriheptylamine, 6,6',6''-; (Triisooctylamine)	2757-28-0	4.3	48	290
3195	Tri-n-butylamine	102-82-9	0.054	0.59	22

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3196	Trinitrobenzene, 1,3,5-	99-35-4	0.53	5.8	54
3197	Trinitrochlorobenzene; (Picryl chloride)	28260-61-9	30	330	2,000
3198	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	4.5	5.1	2,000
3199	Trinitrotoluene, 2,4,6-	118-96-7	0.3	6.2	1,000
3200	Tri-n-octylphosphine oxide; (Trioctylphosphine oxide)	78-50-2	0.37	4.1	25
3201	Trioctylamine; (N,N-Dioctyl-1-octanamine)	1116-76-3	6	66	400
3202	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	0.099	1.1	6.5
3203	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	4.5	69	600
3204	Tripentaerythritol	78-24-0	30	330	2,000
3205	Triphenyl phosphate	115-86-6	9	84	690
3206	Triphenyl phosphite	101-02-0	0.75	8.3	88
3207	Triphenylborane	960-71-4	6	66	400
3208	Triphenylethoxysilane	1516-80-9	30	330	2,000
3209	Triphenylolmethane triglycidyl ether	66072-38-6	30	330	2,000
3210	Triphenylphosphine	603-35-0	1.1	12	540
3211	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	0.65	20	27
3212	Tripotassium (2-hydroxyethyl)ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	16	120	650

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3213	Tripotassium arsenate	13464-36-3	0.1	57	340
3214	Tripropyl phosphate; (TPP)	513-08-6	4.2	46	280
3215	Tripropylamine	102-69-2	3.4	37	220
3216	Tripropylene glycol methyl ether	25498-49-1	9.6	110	630
3217	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol)	20324-33-8	6	66	630
3218	Tripropylene glycol; (((1-Methyl-1,2-ethanediyl)bis(oxy))bispropanol)	24800-44-0	9	99	590
3219	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	6	66	400
3220	Tris((hydroxymethyl)methylamino)propane-1-sulphonic acid, 3-	29915-38-6	30	330	2,000
3221	Tris(2-aminoethyl)amine	4097-89-6	0.38	4.2	49
3222	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	1.3	15	240
3223	Tris(2-chloroethyl)amine; (Nitrogen mustard-3)	555-77-1	0.002	0.022	0.37
3224	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	3.6	40	240
3225	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	18	190	1,200
3226	Trisodium arsenate	13464-38-5	0.083	47	280
3227	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3	0.13	75	450
3228	Trisodium citrate	68-04-2	9.3	100	610
3229	Trisodium N-hydroxyethylethylenediaminetriacetate; (Trisodium N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	12.5	75	400

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3230	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	2.7	29	360
3231	Trypan blue	72-57-1	0.37	4.1	1,200
3232	Trypsin; (Penzyme; Chymotrypsin inhibitor)	9002-07-7	2.4	26	160
3233	Trypsinogen	9002-08-8	6	66	400
3234	Tungsten	7440-33-7	10	10	2,000
3235	Tungsten boride	12007-09-9	11	120	730
3236	Tungsten carbide	12070-12-1	11	120	730
3237	Tungsten hexafluoride	7783-82-6	4.9	4.9	64
3238	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	13	13	210
3239	Tungsten(IV) chloride; (Tungsten tetrachloride)	13470-13-8	5.3	58	350
3240	Tungsten(IV) oxide	12036-22-5	12	130	790
3241	Tungstic acid	7783-03-1	14	150	920
3242	Tungstosilicic acid	11130-20-4	13	140	860
3243	Turpentine	8006-64-2	110	110	8,600
3244	Undecane	1120-21-4	1.6	17	100
3245	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	0.41	4.5	990
3246	Uranine; (Fluorescein sodium)	518-47-8	4.1	45	1,300

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3247	Uranium	7440-61-1	0.6	0.6	30
3248	Uranium hexafluoride; (Uranium fluoride)	7783-81-5	3.6	9.6	36
3249	Uranium hydride; (Uranium(III) hydride)	13598-56-6	0.61	5	30
3250	Uranium oxide; (Triuranium octaoxide)	1344-59-8	0.71	10	50
3251	Uranium telluride	12138-37-3	1.2	10	62
3252	Uranium telluride A	12138-37-3a	1	8.5	51
3253	Uranium trioxide	1344-58-7	0.5	0.5	3
3254	Uranium(IV) oxide; (Uranium dioxide)	1344-57-6	0.68	10	30
3255	Uranium: insoluble compounds	z-0083	0.6	5	30
3256	Uranium: soluble compounds	z-0084	0.6	3.3	20
3257	Uranyl acetate; (Uranium oxyacetate)	541-09-3	0.98	5.5	33
3258	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	0.78	4.3	26
3259	Uranyl hydroxide	13470-18-3a	0.77	4.3	26
3260	Uranyl hydroxide (liquids)	13470-18-3b	0.77	4.3	26
3261	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	0.99	5.5	33
3262	Uranyl nitrate (yellow salt)	36478-76-9	0.99	0.99	33
3263	Uranyl nitrate hexahydrate	13520-83-7	1.3	1.3	42

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3264	Uranyl nitrite (liquids)	z-0087	0.91	5	30
3265	Urea	57-13-6	10	10	1,700
3266	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	1.2	13	79
3267	Urea), N,N''-(4-methyl-1,3-phenylene)bis(N',N'-dimethyl-	17526-94-2	1.2	13	79
3268	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	5.1	56	360
3269	Valeric acid	109-52-4	5.6	61	140
3270	Valinomycin	2001-95-8	0.23	2.5	2.5
3271	Vanadium	7440-62-2	0.11	1.2	70
3272	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	0.64	7	250
3273	Vanadium sulfate	16785-81-2	0.74	8.2	620
3274	Vanadium tetrachloride	7632-51-1	0.48	5.3	32
3275	Vanadium trioxide	1314-34-7	0.065	0.71	100
3276	Vanadium(II) sulfate heptahydrate	36907-42-3	5.8	63	380
3277	Vanadium(III) sulfate	13701-70-7	4.1	45	270
3278	Vanadium, trichlorooxo-	7727-18-6	0.42	4.6	28
3279	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	0.15	1.7	350
3280	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	3.3	37	220

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3281	Vanilin	121-33-5	10	10	310
3282	Vegetable oil	68956-68-3	45	65	390
3283	Veratraldehyde	120-14-9	6	66	400
3284	Vermiculite, exfoliated	1318-00-9	3	33	200
3285	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1	0.031	0.34	2
3286	Vinyl acetate	108-05-4	24	630	2,100
3287	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	2.4	27	790
3288	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0	30	330	2,000
3289	Vinyl bromide	593-60-2	6.6	2,900	10,000
3290	Vinyl chloride	75-01-4	640	3,100	12,000
3291	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	28	300	1,800
3292	Vinyl fluoride	75-02-5	1,100	12,000	71,000
3293	Vinyl sulfoxide	1115-15-7	0.62	6.8	41
3294	Vinyl terminated dimethylsiloxane-diphenylsiloxane copolymer	68951-96-2	60	660	4,000
3295	Vinyl trichlorosilane	75-94-5	4	48	220
3296	Vinyl-2-pyrrolidinone, 1-	88-12-0	0.68	5.2	140
3297	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	1.2	13	79

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3298	Vinylcyclohexene, 4-; (Cyclohexenylethylene)	100-40-3	1.3	170	1,400
3299	Vinylformamide, N-	13162-05-5	3.1	35	210
3300	Vinylidene chloride; (1,1-Dichloroethylene)	75-35-4	180	2,000	4,000
3301	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	1,300	1,300	28,000
3302	Vinylmagnesium bromide	1826-67-1	1.2	13	79
3303	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	21	120	120
3304	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)	64742-52-5	1	12	2,000
3305	Warfarin	81-81-2	1.8	20	350
3306	Warfarin sodium	129-06-6	0.82	9	9
3307	Xenon	7440-63-3	3.50E+05	1.20E+06	2.10E+06
3308	Xylene, m-	108-38-3	650	870	4,300
3309	Xylene, o-	95-47-6	650	870	4,300
3310	Xylene, p-	106-42-3	650	870	4,300
3311	Xylenes	1330-20-7	560	4,000	11,000
3312	Xylenol orange tetrasodium salt	3618-43-7	30	330	2,000
3313	Xylidine	1300-73-8	50	120	740
3314	Xylidine, 2,6-	87-62-7	50	50	740

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3315	Xylidine, o-; (2,3-Xylidine)	87-59-2	50	120	740
3316	Xylylene dichloride	28347-13-9	0.18	2	8.8
3317	Yeast extract	8013-01-2	27	300	1,800
3318	Ytterbium fluoride	13760-80-0	10	10	2,000
3319	Ytterbium oxide	1314-37-0	30	330	2,000
3320	Yttrium	7440-65-5	3	33	200
3321	Yttrium chloride, hexahydrate	10025-94-2	10	34	34
3322	Yttrium oxide	11130-29-3	1.8	1.8	91
3323	Yttrium trioxide	1314-36-9	1.3	1.3	91
3324	Zeolites, CaA	68989-20-8	6	66	400
3325	Zeolites, KA	68989-21-9	30	330	2,000
3326	Zeolites, NaA	68989-22-0	0.061	0.67	4
3327	Zeolites, NaX	68989-23-1	30	330	2,000
3328	Zinc	7440-66-6	1.9	21	120
3329	Zinc acetate	557-34-6	0.18	2	500
3330	Zinc acetate dihydrate	5970-45-6	4.8	52	160
3331	Zinc bromide	7699-45-8	1.5	17	99

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3332	Zinc carbonate	3486-35-9	0.81	8.9	54
3333	Zinc carbonate hydroxide	5263-02-5	30	330	2,000
3334	Zinc chloride	7646-85-7	2	34	4,800
3335	Zinc cyanide	557-21-1	23	23	230
3336	Zinc fluoride	7783-49-5	20	230	1,400
3337	Zinc hydroxide	20427-58-1	0.6	1.5	60
3338	Zinc nitrate	7779-88-6	0.72	8	48
3339	Zinc nitrate hexahydrate	10196-18-6	3.6	39	240
3340	Zinc nitrite	10102-02-0	0.075	0.6	60
3341	Zinc oxide	1314-13-2	10	15	2,500
3342	Zinc perchlorate	13637-61-1	30	330	2,000
3343	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	5.4	59	360
3344	Zinc phosphate (3:2)	7779-90-0	1.8	20	120
3345	Zinc phosphide	1314-84-7	1	11	19
3346	Zinc stearate	557-05-1	13	13	77
3347	Zinc sulfate	7733-02-0	0.13	1.4	340
3348	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	18	120	120

Table 4: Protective Action Criteria (PAC) Rev 27 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3349	Zinc sulfide	1314-98-3	3.4	37	220
3350	Zirconium	7440-67-7	10	10	500
3351	Zirconium boride	12045-64-6	12	12	620
3352	Zirconium carbide	12070-14-3	13	110	630
3353	Zirconium chloride	10026-11-6	26	220	1,300
3354	Zirconium chloride oxide octahydrate	13520-92-8	35	35	1,800
3355	Zirconium fluoride	7783-64-4	66	730	4,400
3356	Zirconium hydride	7704-99-6	10	10	510
3357	Zirconium hydroxide	14475-63-9	17	150	870
3358	Zirconium nitrate	13746-89-9	37	320	1,900
3359	Zirconium nitride	25658-42-8	12	97	580
3360	Zirconium nitrite	z-0088	15	130	750
3361	Zirconium oxide	1314-23-4	14	110	680
3362	Zirconium oxynitrate hydrate	14985-18-3	27	230	1,400
3363	Zirconium phosphide	12037-80-8	17	140	840
3364	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	110	1,300	7,500
3365	Zirconium silane	z-0089	16	140	810

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3366	Zirconium silicate; (Zirconium silicon oxide; Zircon)	10101-52-7	21	170	1,000
3367	Zirconium sulfate tetrahydrate	7446-31-3	39	39	1,900
3368	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	20	65	980
3369	Zirconyl nitrate; (Bis(nitrato-O)oxozirconium)	13826-66-9	25	220	1,300
3370	Zonyl fsn fluorosurfactant	65545-80-4	41	460	2,700
3371	zzAcrylic latex	z-0090	30	330	2,000
3372	zzAlumination 301	z-0091	30	330	2,000
3373	zzHydranal coulomat / AG	z-0092	30	330	2,000
3374	zzHydrocarbon polymer	z-0093	30	330	2,000
3375	zzHydrocount(R), LSC cocktail	z-0094	30	330	2,000
3376	zzIconol(R)	z-0095	30	330	2,000
3377	zzMachine coolant 1	z-0096	30	330	2,000
3378	zzMonophase- S	z-0097	30	330	2,000
3379	zzMornar	z-0098	30	330	2,000
3380	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphosphate)	z-0099	25	42	250
3381	zzPropanol (-2) aluminum derivative	z-0101	6	66	400
3382	zzScintillation cocktail, Ultima Gold XR	z-0102	0.5	3	15

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)		
			PAC-1	PAC-2	PAC-3
3383	zzSicapent	z-0103	30	330	2,000
3384	zzSynthetic resins	z-0104	30	330	2,000
3385	zzTotal sequestrant reagent #5	z-0105	40	100	500
3386	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106	0.015	0.16	2.2
3387	zzWaste oil	z-0107	30	330	2,000