Table 4: Protective Action Criteria (PAC) Rev. 28A based on applicable 60-minute AEGLs, ERPGs, or TEELs. The chemicals are listed in alphabetical order and the values are presented in mg/m^3. February 2016

Table 4 is an alphabetical list of the chemical substances and their corresponding PAC values in mass per unit volume (mg/m^3). The conversion of ppm to mg/m^3 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/default.htm.

[1] Information on the Chemical Abstracts Service and CASRNs is provided at https://www.cas.org/cas-home.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1	Abrin	1393-62-0	6.60E-07	7.20E-06	4.30E-05
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	21	230	1,400
6	Acetanilide	103-84-4	0.77	8.4	160
7	**Acetic acid**	**64-19-7**	**12**	**86**	**610**
8	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenyloxy) 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	3.2	36	210
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	96
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	600
16	Acetone-d6	666-52-4	520	8,400	15,000
17	**Acetonitrile**	**75-05-8**	**22**	**84**	**250**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
18	Acetonitrile-d3	2206-26-0	23	90	270
19	Acetophenone	98-86-2	30	87	520
20	Acetoxytriphenylstannane	900-95-8	0.69	20	28
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	5.2	57	1,400
25	Acetylaminofluorene, 2-	53-96-3	1.2	14	88
26	Acetylaminofluorenone, 2-	3096-50-2	12	130	790
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	0.09	44	100
30	Acrylamide, N,N'-methylenebisacrylamide copolymer	25034-58-6	30	330	2,000
31	**Acrylic acid**	**79-10-7**	**4.4**	**140**	**530**
32	**Acrylonitrile**	**107-13-1**	0.34	**3.7**	**61**
33	Acrylyl chloride; (Acryloyl chloride)	814-68-6	0.082	0.9	3.2
34	**Adamsite; (Phenarsazine chloride)**	**578-94-9**	**0.016**	**2.6**	**6.4**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
35	Adipic acid, diethylene glycol, trimethylolpropane, phthalic anhydride, toluenediisocyanate polymer, isocyanate terminated	68609-57-4	30	330	2,000
36	Adiponitrile	111-69-3	1.5	17	36
37	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
38	Alamine 336	68814-95-9	17	180	1,100
39	Alcohols, C6-C12 (N.O.S.)	68603-15-6	30	330	2,000
40	Aldicarb; (Carbanolate; Methyl-2-(methylthio)propionaldehyde-O-(methylcarbamoyl)oxime, 2-)	116-06-3	0.027	0.3	9.5
41	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
42	Aldrithiol-2; (2,2'-Dithiodipyridine)	2127-03-9	30	330	2,000
43	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4	2.3	25	150
44	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	0.49	5.4	32
45	Alizarine Red S, Monohydrate; (Sodium alizarin-3-sulfonate)	130-22-3	0.23	2.5	15
46	Alkanes, C4-C12	68333-81-3	1,100	1,800	23,000
47	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108	1.5	17	99
48	Alkyl benzenes (C8-C9)	z-0109	30	330	2,000
49	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5	0.91	10	60
50	Alkylamines	63231-48-1	30	330	2,000
51	Alkylbenzene (C10-C16)	68648-87-3	2.3	26	150

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
52	Alkylbenzyldimethyl ammonium chloride, (C12-C18)	68391-01-5	0.61	6.8	60
53	Allene; (1,2-Propadiene)	463-49-0	380	4,100	25,000
54	Allyl 2-chloroethyl sulfide	19155-35-2	0.034	0.38	2.3
55	**Allyl alcohol**	**107-18-6**	**0.21**	**4**	**31**
56	Allyl bromide; (3-Bromopropene)	106-95-6	0.99	58	350
57	**Allyl chloride**	**107-05-1**	**8.8**	**170**	**440**
58	**Allyl chlorocarbonate**	**2937-50-0**	0.31	**3.4**	**10**
59	Allyl isothiocyanate; (Mustard oil)	57-06-7	4.1	11	67
60	**Allylamine**	**107-11-9**	**0.98**	**7.7**	**42**
61	Allylmagnesium bromide	1730-25-2	30	330	2,000
62	**Allyltrichlorosilane**	**107-37-9**	**4.3**	**52**	**240**
63	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	59	650	1,000
64	Alpha-hydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3	25	270	1,600
65	Aluminum acetate, basic	7360-44-3	27	290	1,800
66	Aluminum carbide	1299-86-1	4	43	260
67	Aluminum chloride	7446-70-0	30	60	360
68	Aluminum chloride hexahydrate	7784-13-6	54	110	650

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
69	Aluminum fluoride	7784-18-1	19	59	360
70	Aluminum grey LB; (Acid black 60)	12218-95-0	30	330	2,000
71	Aluminum hexafluorosilicate	17099-70-6	11	120	700
72	Aluminum hydroxide	21645-51-2	8.7	73	440
73	Aluminum oxide hydrate	1333-84-2	15	130	780
74	Aluminum oxide; (Alumina)	1344-28-1	5.7	15	25
75	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7	14	200	1,200
76	**Aluminum phosphide**	**20859-73-8**	3	**4.7**	**8.5**
77	Aluminum potassium sulfate, dodecahydrate	7784-24-9	110	1,200	6,900
78	Aluminum sulfate	10043-01-3	38	64	380
79	Aluminum tris(dihydrogen phosphate); (Phosphoric acid, aluminum salt (3:1))	13530-50-2	3	33	200
80	Aluminum yellow 4A; (Acid yellow 99)	10343-58-5	30	330	2,000
81	Aluminum(III) isopropylate	555-31-7	23	370	2,200
82	Aluminum(III) nitrate (1:3)	13473-90-0	47	68	410
83	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	83	920	5,500
84	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	3	33	200
85	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	3	33	200

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
86	Amino-1-propanol, 3-	156-87-6	8.3	91	550
87	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	18	190	1,200
88	Amino-2-methyl-2-propanol, 1-	2854-16-2	4.3	47	280
89	Amino-4,6-dinitrotoluene, 2-	35572-78-2	4.2	46	280
90	Aminoacetaldehyde diethyl acetal; (2,2-Diethoxyethylamine)	645-36-3	12	130	790
91	Aminoacetaldehyde dimethyl acetal; (2,2-Dimethoxyethylamine)	22483-09-6	30	330	2,000
92	Aminoanthraquinone, 2-	117-79-3	9	99	590
93	Aminobenzoic acid, p-	150-13-0	15	69	410
94	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	4.1	45	1,300
95	Aminodiphenyl, p-	92-67-1	1.3	15	99
96	Aminoethoxy)ethanol, 2-(2-	929-06-6	9	99	590
97	Aminoethyl)diphenylborinic acid, o-(2-; (Diphenylboronic acid, ethanolamine ester)	524-95-8	0.18	2	12
98	Aminoethylethanolamine	111-41-1	9	99	590
99	Aminoethylpiperazine, N-	140-31-8	6.4	71	420
100	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	0.23	2.5	15
101	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	30	330	2,000
102	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	12	130	260

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
103	Aminophenol, m-	591-27-5	15	160	200
104	Aminopropiophenone, 4-	70-69-9	0.51	5.6	35
105	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	13	140	860
106	Aminopropyltriethoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	1.9	21	350
107	Aminopterin; (Aminopteridine)	54-62-6	2.3	25	150
108	Aminopyrazine, 2-	5049-61-6	5.8	6.6	39
109	Aminopyridine, 2-	504-29-0	5.8	6.6	40
110	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	1.8	20	40
111	Amiton oxalate	3734-97-2	0.009	0.099	0.59
112	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	0.0099	0.11	0.65
113	Amitrole	61-82-5	0.6	23	220
114	**Ammonia**	**7664-41-7**	**21**	**110**	**770**
115	Ammonia-d3	13550-49-7	25	130	900
116	Ammonium acetate	631-61-8	3.8	42	250
117	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	13	140	860
118	Ammonium benzoate	1863-63-4	2.5	27	160
119	Ammonium bicarbonate	1066-33-7	4.7	52	310

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
120	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	0.012	0.13	0.78
121	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	30	330	2,000
122	Ammonium bromide	12124-97-9	8.1	89	530
123	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	0.23	2.6	15
124	Ammonium carbonate	506-87-6	0.31	3.5	21
125	Ammonium chloride	12125-02-9	20	110	330
126	Ammonium chromate	7788-98-9	0.44	7.7	46
127	Ammonium citrate	7632-50-0	1.1	12	72
128	Ammonium citrate tribasic	3458-72-8	0.69	7.7	46
129	Ammonium citrate, dibasic	3012-65-5	0.65	7.1	43
130	Ammonium dichromate	7789-09-5	0.37	6.3	38
131	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	17	190	1,100
132	Ammonium ferrous sulfate hexahydrate	7783-85-9	9.6	110	640
133	Ammonium fluoborate	13826-83-0	10	120	690
134	Ammonium fluoride	12125-01-8	15	160	980
135	Ammonium formate	540-69-2	3.7	41	240
136	Ammonium hexachlorohydrate (III)	z-0001	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
137	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	12	130	780
138	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	11	130	750
139	Ammonium hydrogen oxalate hemihydrate	37541-72-3	30	330	2,000
140	Ammonium hydroxide	1336-21-6	87	470	3,300
141	Ammonium iodide	12027-06-4	5.3	58	350
142	Ammonium lactate	515-98-0	30	330	2,000
143	Ammonium lignin sulfonate	8061-53-8	30	330	2,000
144	Ammonium molybdate(VI) tetrahydrate	12054-85-2	2.8	30	180
145	Ammonium molybdate; (Diammonium molybdate)	13106-76-8	3.1	22	130
146	Ammonium molybdophosphate	12026-66-3	2.4	27	160
147	Ammonium nickel sulfate	15699-18-0	1.5	13	79
148	Ammonium nitrate	6484-52-2	6.7	73	440
149	Ammonium oxalate monohydrate	5972-73-6	30	330	2,000
150	Ammonium oxalate; (Diammonium oxalate monohydrate)	6009-70-7	30	330	2,000
151	Ammonium pentaborate	12007-89-5	30	330	2,000
152	Ammonium perchlorate	7790-98-9	4.6	50	830
153	Ammonium permanganate	13446-10-1	7.5	12	72

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
154	Ammonium peroxydisulfate	7727-54-0	0.3	22	130
155	Ammonium phosphate dibasic; (Diammonium phosphate)	7783-28-0	30	330	2,000
156	Ammonium picrate	131-74-8	30	330	2,000
157	Ammonium polyacrylate	9003-03-6	30	330	2,000
158	Ammonium sulfamate	7773-06-0	30	98	5,000
159	Ammonium sulfate	7783-20-2	13	140	840
160	Ammonium sulfite	10196-04-0	30	330	2,000
161	Ammonium sulfite monohydrate	7783-11-1	30	330	2,000
162	Ammonium tartrate; (Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, ammonium salt)	14307-43-8	30	330	2,000
163	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	0.8	8.8	53
164	Ammonium thiocyanate	1762-95-4	2.3	25	150
165	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	1.5	16	97
166	Ammonium tungstate(VI)	11120-25-5	4.1	45	270
167	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	0.01	0.11	80
168	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	1.2	14	81
169	Ammonium, tetraethyl-, bromide; (Tetraethyl ammonium bromide)	71-91-0	1.1	12	43
170	Ammonium, tetramethyl-, bromide; (Tetramethylammonium bromide)	64-20-0	0.15	1.7	9.9

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
171	Amyl acetate	628-63-7	530	3,500	21,000
172	Amyl methyl ether, tert-; (TAME)	994-05-8	250	490	720
173	Amylamine, n-; (1-Pentylamine)	110-58-7	0.3	3.3	20
174	**Amyltrichlorosilane; (Pentyltrichlorosilane)**	**107-72-2**	**5**	**61**	**280**
175	Anhydrone; (Magnesium perchlorate)	10034-81-8	4.9	54	320
176	**Aniline**	**62-53-3**	**30**	**46**	**76**
177	Anisidine, o-	90-04-0	1.5	8.3	50
178	Anisidine, p-	104-94-9	1.5	8.3	50
179	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	1.6	18	110
180	Anthracene	120-12-7	48	530	3,200
181	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
182	Anthranilic acid	118-92-3	16	180	1,100
183	Anthraquinone	84-65-1	0.87	9.6	57
184	Antimony	7440-36-0	1.5	13	80
185	Antimony hydroxide	39349-74-1	2.1	18	110
186	Antimony oxide	1309-64-4	1.8	16	96
187	Antimony pentachloride	7647-18-9	3.7	33	200

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
188	Antimony pentafluoride	7783-70-2	2.7	23	140
189	Antimony pentasulfide	1315-04-4	2.5	22	130
190	Antimony potassium tartrate trihydrate	28300-74-5	4.1	37	220
191	Antimony trichloride; (Antimony(III) chloride)	10025-91-9	2.8	25	150
192	Antimony trifluoride	7783-56-4	2.2	20	120
193	Antimycin A	1397-94-0	0.16	1.8	5.5
194	Antioxidant G-16 (most toxic antioxident)	61373-87-3	0.98	11	65
195	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	7.3	89	410
196	Argon	7440-37-1	1.10E+05	3.80E+05	6.50E+05
197	Aromatic isocyanate mixture "SWD 305A"	z-0111	0.15	3.6	22
198	Arsenic	7440-38-2	1.5	17	100
199	Arsenic acid; (o-Arsenic acid) Includes CASRN 1327-52-2	7778-39-4	2.9	32	190
200	Arsenic pentoxide	1303-28-2	0.73	8	150
201	**Arsenic trioxide**	**1327-53-3**	0.27	**3.0**	**9.1**
202	Arsenous acid	13464-58-9	2.6	28	170
203	Arsenous trichloride	7784-34-1	0.91	10	240
204	**Arsine**	**7784-42-1**	0.049	**0.54**	**1.6**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
205	Asbestos, inlcudes: (Amosite, 12172-73-5, Ascarite, 81133-20-2, Chrysotile, 1332-21-4)	1332-21-4	0.05	0.55	3.3
206	Ascaridole	512-85-6	0.6	6.6	40
207	Auramine; (4,4'-(Imidocarbonyl)bis(N,N-dimethylamine) monohydrochloride)	2465-27-2	0.81	8.9	53
208	Azinphos ethyl; (Ethyl guthion)	2642-71-9	0.35	3.9	17
209	Azinphos methyl; (Guthion)	86-50-0	0.6	0.7	20
210	Aziridine homopolymer; (Ethylenimine homopolymer; Poly(ethyleneimine))	9002-98-6	4.1	45	270
211	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	4.1	45	130
212	Azodicarbamide; (Azodicarbonamide)	123-77-3	2.6	29	170
213	Barium	7440-39-3	1.5	180	1,100
214	Barium acetate; (Barium acetate anhydrous)	543-80-6	2.8	330	2,000
215	Barium carbonate	513-77-9	2.2	270	1,600
216	Barium chloride	10361-37-2	2.3	280	1,700
217	Barium chloride dihydrate	10326-27-9	2.7	330	2,000
218	Barium chromate	10294-40-3	0.15	13	77
219	Barium cyanide	542-62-1	44	60	360
220	Barium dioxide; (Barium peroxide)	1304-29-6	1.8	230	1,400
221	Barium diphenylamine sulfonate	6211-24-1	6.9	850	5,100

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
222	Barium fluoride	7787-32-8	1.9	230	1,400
223	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	2.5	320	1,900
224	Barium hydroxide	17194-00-2	1.9	230	1,400
225	Barium hydroxide octahydrate	12230-71-6	3.4	420	2,500
226	Barium metaborate	13701-59-2	2.4	300	1,800
227	Barium nitrate	10022-31-8	2.9	350	2,100
228	Barium nitrite	13465-94-6	2.5	300	1,800
229	Barium oxide	1304-28-5	1.7	200	1,200
230	Barium permanganate	7787-36-2	20	34	200
231	Barium phosphate	13466-20-1	3	30	150
232	Barium stearate	6865-35-6	7.5	83	500
233	Barium sulfate	7727-43-7	15	170	990
234	Basic Green 4; (Aizen malachite green)	569-64-2	0.13	1.4	8.7
235	Bathophenanthroline	1662-01-7	30	330	2,000
236	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	0.12	1.3	7.9
237	Benzal chloride	98-87-3	0.21	2.3	14
238	Benzaldehyde	100-52-7	17	43	260

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
239	Benzamide	55-21-0	4.7	52	310
240	Benzenamine, sulfate (2:1)	542-16-5	30	330	2,000
241	**Benzene**	**71-43-2**	**170**	**2,600**	**13,000**
242	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	0.51	5.7	30
243	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	2.5	28	360
244	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	0.025	0.27	13
245	Benzene-d6; (Deuterated benzene)	1076-43-3	180	2,800	14,000
246	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	0.77	8.4	51
247	Benzenesulfonic acid, 4-chloro	98-66-8	1.5	17	99
248	Benzenesulfonic acid, 5-chloro-2	z-0114	1.5	17	99
249	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	6.8	74	450
251	Benzidine	92-87-5	0.93	10	61
252	Benzo(a)anthracene	56-55-3	1.2	13	79
253	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	0.6	120	700
254	Benzo(ghi)perylene	191-24-2	30	330	2,000
255	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7	12	130	790
256	Benzoic acid	65-85-0	15	170	830

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
257	Benzoic acid, sodium salt	532-32-1	56	620	810
258	Benzoin oxime	441-38-3	0.49	5.4	32
259	**Benzonitrile**	**100-47-0**	2.4	**26**	**80**
260	Benzophenone	119-61-9	1.5	90	310
261	Benzoquinone, p-; (Quinone)	106-51-4	1.3	50	300
262	Benzothiazole	95-16-9	2.8	30	75
263	Benzotriazole	95-14-7	1.2	13	77
264	Benzotrifluoride	98-08-8	19	220	1,300
265	**Benzoyl chloride**	**98-88-4**	**1.7**	**29**	**110**
266	Benzoyl peroxide	94-36-0	15	1,200	7,000
267	Benzyl acetate	140-11-4	180	2,000	12,000
268	Benzyl alcohol	100-51-6	130	230	3,300
269	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	3.5	38	230
270	Benzyl benzoate	120-51-4	5.7	63	380
271	**Benzyl chloride**	**100-44-7**	**5.2**	**52**	**260**
272	**Benzyl chloroformate; (Carbobenzoxy chloride)**	**501-53-1**	0.62	**6.8**	**20**
273	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	0.39	4.3	15

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
274	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	0.064	0.7	5.3
275	Benzylamine	100-46-9	2	22	130
276	Benzyldimethylamine; (Dimethylbenzylamine, N,N-; BDMA)	103-83-3	0.62	6.8	41
277	Benzyldimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	3.8	41	250
278	Benzylmagnesium chloride	6921-34-2	1.2	13	79
279	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	1.2	13	79
280	**Beryllium**	**7440-41-7**	0.0023	**0.025**	**0.1**
281	Beryllium chloride	7787-47-5	0.02	0.22	0.89
282	Beryllium fluoride	7787-49-7	0.012	0.13	0.52
283	Beryllium hydroxide	13327-32-7	0.011	0.12	0.48
284	Beryllium nitrate	13597-99-4	0.047	0.52	2.1
285	Beryllium oxide	1304-56-9	0.0063	0.069	0.28
286	Betaine, anhydrous; (Glycine betaine)	107-43-7	30	330	2,000
287	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	0.057	0.63	3.8
288	Bioxirane, 2,2'-; (1,2:3,4-Diepoxybutane)	1464-53-5	0.32	3.5	14
289	Biphenylol, 4-	92-69-3	0.49	5.4	32
290	Biphenylol, sodium salt, 2-	132-27-4	5	54	330

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
291	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	6.4	31	190
292	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	6	29	180
293	Bis(1-methylethyl)benzene, 1,4-; (p- or 1,4-Diisopropylbenzene)	100-18-5	2.7	30	180
294	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	3.4	38	230
295	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	16	170	220
296	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	22	250	770
297	Bis(2-chlorethylthioethyl) ether; (2,2'-Di(3-chloroethylthio)diethyl ether)	63918-89-8	0.16	1.8	11
298	Bis(2-chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	0.75	8.3	50
299	**Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)**	**505-60-2**	**0.065**	**0.13**	**2.1**
300	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8	0.09	0.18	2.9
301	Bis(2-chloroethylthio)methane	63869-13-6	0.08	0.17	2.7
302	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7	0.1	0.2	3.2
303	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8	0.11	0.21	3.4
304	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2	0.1	0.19	3
305	Bis(2-chloroethylthiomethyl)ether	63918-90-1	0.1	0.2	3.1
306	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	15	160	980
307	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	15	160	980

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
308	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	0.27	2.9	17
309	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	1.5	16	530
310	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	30	330	2,000
311	Bis(3-tert-butyl-4-hydroxy-6-methylphenyl) sulfide; (4,4'-Thiobis(6-tert-butyl-m-cresol))	96-69-5	3	82	460
312	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	0.025	0.27	1
313	Bis(chloromethyl)oxetane, 3,3-	78-71-7	0.18	2	12
314	Bis(dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	1.2	13	79
315	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	14	160	940
316	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	30	330	2,000
317	Bis[(benzo-15-crown-5)-15-ylmethyl] pimelate	69271-98-3	30	330	2,000
318	Bisbutenylenetetrahydrofurfural; (2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	7.5	83	500
319	Bismuth	7440-69-9	15	170	990
320	Bismuth acetate	22306-37-2	30	330	2,000
321	Bismuth germanate	12233-73-7	21	240	1,400
322	Bismuth hydroxide	10361-43-0	19	210	1,200
323	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	13	150	890
324	Bismuth iodide	7787-64-6	1.2	13	79

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
325	Bismuth nitrate	10361-44-1	12	130	790
326	Bismuth oxide	1304-76-3	15	170	990
327	Bismuth oxychloride; (Bismuth chloride oxide)	7787-59-9	66	730	4,400
328	Bismuth(III) nitrate, pentahydrate	10035-06-0	12	130	800
329	Bisphenol A diglycidyl ether	1675-54-3	39	430	2,600
330	Bisphenol A; (4,4'-Isopropylidenediphenol)	80-05-7	15	110	650
331	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	1.8	20	25
332	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b))	z-0110	30	330	2,000
333	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	0.093	1	6.2
334	Borane-tetrahydrofuran	14044-65-6	12	130	790
335	Borate	14213-97-9	6	66	400
336	Boric acid	10043-35-3	6	23	830
337	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	3.5	39	230
338	Boron	7440-42-8	1.9	21	130
339	Boron carbide	12069-32-8	2.4	27	170
340	Boron oxide	1303-86-2	30	100	620
341	**Boron tribromide**	**10294-33-4**	**3.4**	**130**	**410**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
342	Boron trichloride	10294-34-5	0.91	10	340
343	**Boron trifluoride**	**7637-07-2**	**2.5**	**29**	**88**
344	Boron trifluoride dihydrate	13319-75-0	3.8	44	140
345	Boron trifluoride etherate	109-63-7	2.5	29	88
346	Boron trifluoride-dimethyl ether	353-42-4	2.5	29	88
347	Botulinum toxin-A; (includes Type B (93384-44-2) and Type F (107231-15-2))	93384-43-1	3.30E-09	3.60E-08	2.20E-07
348	Brij-35; (alpha-Dodecyl-omega-hydroxypoly(oxyethylene))	9002-92-0	2.9	31	200
349	Brilliant blue; (Acid blue 9)	2650-18-2	30	330	2,000
350	Bromadiolone	28772-56-7	0.091	1	3.4
351	**Bromine**	**7726-95-6**	**0.22**	**1.6**	**56**
352	**Bromine chloride**	**13863-41-7**	0.35	**3.9**	**12**
353	**Bromine pentafluoride**	**7789-30-2**	0.11	**1.2**	**240**
354	**Bromine trifluoride**	**7787-71-5**	**0.67**	**11**	**120**
355	Bromo acetic acid, methyl ester	96-32-2	0.069	0.76	4.6
356	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	1.3	14	83
357	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	62	680	4,100
358	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3-chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2	4.2	46	280

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
359	Bromo-3-methylbutane, 1-	107-82-4	37	410	2,400
360	Bromoacetaldehyde diethyl acetal	2032-35-1	12	130	790
361	Bromoacetic acid	79-08-3	0.023	0.26	1.5
362	**Bromoacetone**	**598-31-2**	**0.062**	**1.8**	**5.5**
363	Bromoanisole, 3-; (1-Bromo-3-methoxybenzene)	2398-37-0	30	330	2,000
364	Bromobenzene; (Phenyl bromide)	108-86-1	17	190	470
365	Bromochlorobenzene, m-	108-37-2	12	130	790
366	Bromochlorobenzene, p-	106-39-8	12	130	790
367	Bromochloromethane	74-97-5	3,200	4,300	26,000
368	Bromocresol green; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-])	76-60-8	13	140	840
369	Bromocresol purple; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-6-methyl-])	115-40-2	10	110	660
370	Bromocyclohexanol, cis-2-	16536-57-5	0.27	2	70
371	Bromodecane, 1-	112-29-8	2.2	24	150
372	Bromodichloromethane	75-27-4	1.3	14	85
373	Bromododecane, 1-	143-15-7	12	130	790
374	Bromoethane; (Ethyl bromide)	74-96-4	67	1,600	16,000
375	Bromoethanol, 2-; (Ethylene bromohydrin)	540-51-2	0.06	0.66	23

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
376	Bromoethylmagnesium	925-90-6	1.2	13	79
377	Bromofluorobenzene, 4-; (p-Fluorobromobenzene)	460-00-4	12	130	790
378	Bromoform; (Tribromomethane)	75-25-2	15	71	420
379	Bromohexane; (n-Hexyl bromide)	111-25-1	120	1,300	7,600
380	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	30	330	2,000
381	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	12	130	790
382	Bromonaphthalene	90-11-9	2.4	27	160
383	Bromonitromethane	563-70-2	0.4	4.4	26
384	Bromooctane , 1-; (Octyl bromide)	111-83-1	15	170	990
385	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
386	Bromophenyl phenyl ether, 4-	101-55-3	0.33	3.6	21
387	Bromopropane, 1-	106-94-5	1.5	590	3,500
388	Bromopropane, 2-	75-26-3	600	6,600	6,900
389	Bromopyrene, 3-	1714-29-0	30	330	2,000
390	Bromosuccinimide, N-	128-08-5	1.1	12	73
391	Bromothymol blue; (Dibromothymolsulfonphthalein)	76-59-5	30	330	2,000
392	Bromotoluene, A-; (Benzyl bromide)	100-39-0	0.41	4.5	27

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
393	Bromotrichloromethane	75-62-7	0.71	7.9	47
394	Bromotrifluoroethylene	598-73-2	22	1,500	9,200
395	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	18,000	1.50E+05	2.40E+05
396	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	1.2	13	79
397	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	0.29	3.2	36
398	**Butadiene, 1,3-**	**106-99-0**	**1,500**	**12,000**	**49,000**
399	Butanaminium, N,N,N-tributyl-1-, bromide; (Tetrabutylammonium bromide)	1643-19-2	30	330	2,000
400	**Butane**	**106-97-8**	**13,000**	**40,000**	**1.30E+05**
401	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	26	280	1,700
402	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	15	170	990
403	Butanediol dinitrate, 1,4-	3457-91-8	0.12	1.5	590
404	Butanediol, 1,3-	107-88-0	120	1,300	4,500
405	Butanediol, 1,4-; (1,4-Tetramethylene glycol)	110-63-4	4.7	52	640
406	Butanedione, 2,3-; (Diacetyl)	431-03-8	0.02	120	310
407	Butanenitrile; (Butyronitrile)	109-74-0	2.1	24	140
408	Butanephosphonic acid	3321-64-0	9.6	110	630
409	Butanethiol; (n-Butyl mercaptan)	109-79-5	16	180	9,200

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
410	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	14	150	910
411	Butanol, aluminum salt, 2-	2269-22-9	55	590	3,600
412	Butanol-d10, n-	34193-38-9	210	2,800	28,000
413	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	110	200	880
414	**Butanone, 2-; (Methyl ethyl ketone; MEK)**	**78-93-3**	**590**	**8,000**	**12,000**
415	Butene, 1-; (Butylene)	106-98-9	1,700	6,700	40,000
416	Butene, 2-	107-01-7	1,700	2,500	15,000
417	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	1,700	5,100	30,000
418	Butene, trans-2-; (trans-1,2-Dimethylethylene)	624-64-6	1,700	5,500	33,000
419	Butoxyethanol acetate, 2-; (Ethylene glycol monobutyl ether acetate)	112-07-2	98	230	1,400
420	Butoxyethanol phosphate, 2-	78-51-3	9	99	590
421	Butoxyethanol, 2-; (Glycol ether EB)	111-76-2	290	570	3,400
422	Butoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	200	220	1,300
423	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	0.19	2.1	12
424	Butoxypolypropylene glycol	9003-13-8	27	300	1,800
425	**Butyl acetate, n-**	**123-86-4**	**24**	**950**	**14,000**
426	Butyl acetate, sec-	105-46-4	2,800	7,800	47,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
427	Butyl acetate, tert-	540-88-5	2,800	7,800	47,000
428	Butyl acetoacetate, tert-	1694-31-1	15	170	990
429	**Butyl acrylate, n-**	**141-32-2**	**43**	**680**	**2,500**
430	Butyl alcohol, n-; (n-Butanol)	71-36-3	180	2,400	24,000
431	Butyl alcohol, sec-; (2-Butanol)	78-92-2	450	650	30,000
432	Butyl alcohol, tert; (tert-Butanol)	75-65-0	450	4,000	24,000
433	Butyl bis(2-ethylhexyl)phosphate	z-0002	15	170	970
434	Butyl bromide, n-; (1-Bromobutane)	109-65-9	25	270	1,600
435	**Butyl chloroformate, n-**	**592-34-7**	3.3	**12**	**37**
436	**Butyl chloroformate, sec-**	**17462-58-7**	1.1	**12**	**37**
437	Butyl ether, n-; (Dibutyl ether)	142-96-1	14	150	910
438	Butyl glycidyl ether, n-	2426-08-6	48	3,200	19,000
439	**Butyl isocyanate, n-**	**111-36-4**	**0.041**	**0.34**	**1**
440	Butyl isocyanate, tert-	1609-86-5	0.04	0.44	2.6
441	Butyl levulinate	2052-15-5	15	170	990
442	Butyl lithium	109-72-8	30	330	2,000
443	Butyl methyl-d3 ether, tert-	29366-08-3	190	2,100	20,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
444	Butyl perbenzoate, tert-	614-45-9	8.2	90	200
445	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	34	370	990
446	Butyl-2-methylcyclopropane, T-1-	38851-70-6	30	330	2,000
447	Butyl-3-iodo-2-propynylcarbamate	55406-53-6	3.3	36	220
448	Butylamine, n-	109-73-9	18	150	900
449	Butylamine, sec-; (inlcudes 513-49-5)	13952-84-6	18	30	93
450	Butylamine, tert-	75-64-9	2.5	28	170
451	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	34	380	2,300
452	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	5.8	63	380
453	Butylbenzene, tert-	98-06-6	9.1	100	600
454	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	120	1,300	7,900
455	Butylcyclohexanone, p-tert-	98-53-3	15	170	990
456	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8	15	170	990
457	Butyllithium, sec-	598-30-1	290	3,100	19,000
458	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	0.18	2	560
459	**Butyltrichlorosilane**	**7521-80-4**	**4.7**	**57**	**260**
460	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	0.3	5.1	31

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
461	Butyraldehyde	123-72-8	220	1,300	2,500
462	Butyric acid, sodium salt	156-54-7	30	330	2,000
463	Butyric acid; (n-Butyric acid)	107-92-6	5.1	56	400
464	**BZ; (3-Quinuclidinyl benzilate)**	**6581-06-2**	1.00E-03	**0.011**	**0.21**
465	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1	3	68	410
466	C-18 Unsaturated fatty acid, dimers, reaction products with polyethylenepolyamines; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1	30	330	2,000
467	Cacodylic acid; (Arsenic acid, dimethyl-)	75-60-5	2.8	25	140
468	**Cadmium**	**7440-43-9**	**0.1**	**0.76**	**4.7**
469	Cadmium bromide	7789-42-6	0.24	1.8	11
470	Cadmium carbonate	513-78-0	0.15	1.2	7.2
471	Cadmium chloride	10108-64-2	0.16	1.2	7.6
472	Cadmium chloride hemipentahydrate; (Cadmium chloride, 5/2-hydrate)	7790-78-5	0.1	0.77	9.5
473	Cadmium fluoride	7790-79-6	0.13	1	6.3
474	Cadmium hydroxide	21041-95-2	0.13	0.99	6.1
475	Cadmium nitrate	10325-94-7	0.21	1.6	9.9
476	Cadmium nitrate tetrahydrate	10022-68-1	0.27	2.1	13
477	Cadmium nitrite	7790-83-2	0.18	1.4	8.6

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
478	Cadmium oxide	1306-19-0	0.11	0.87	5.4
479	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	0.61	4.6	28
480	Cadmium sulfate	10124-36-4	0.19	1.4	8.7
481	Cadmium sulfate, hydrate	7790-84-3	0.1	0.76	11
482	Cadmium sulfide	1306-23-6	0.13	0.98	6
483	Cadmium tungstate	7790-85-4	0.32	2.4	15
484	Cadmium(II) acetate	543-90-8	0.21	1.6	9.6
485	Calcium acetate	62-54-4	13	140	850
486	Calcium arsenate	7778-44-1	0.91	10	270
487	Calcium carbide	75-20-7	120	1,300	7,900
488	Calcium chloride	10043-52-4	12	130	790
489	Calcium chloride dihydrate	10035-04-8	16	170	1,100
490	Calcium chloride hexahydrate	7774-34-7	24	260	1,600
491	Calcium chloride hydrate	22691-02-7	13	140	850
492	Calcium chromate	13765-19-0	0.003	7.8	47
493	Calcium cyanamide	156-62-7	1.5	5.6	50
494	**Calcium cyanide**	**592-01-8**	**3.8**	**13**	**28**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
495	Calcium fluoride	7789-75-5	15	170	1,000
496	Calcium formate	544-17-2	8.5	71	710
497	Calcium hydride	7789-78-8	12	130	790
498	Calcium hydroxide	1305-62-0	1	240	1,500
499	Calcium hydroxide phosphate; (Calcium phosphate tribasic)	12167-74-7	120	1,300	7,900
500	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	2.6	28	170
501	Calcium metasilicate	10101-39-0	30	330	2,000
502	Calcium monohydrogen phosphate dihydrate	7789-77-7	12	130	790
503	Calcium nitrite	13780-06-8	6.4	71	240
504	Calcium oxalate	563-72-4	12	130	790
505	Calcium oxalate, monohydrate	5794-28-5	14	150	900
506	Calcium oxide	1305-78-8	6	110	660
507	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	120	1,300	7,900
508	**Calcium phosphide**	**1305-99-3**	0.67	**7.4**	**13**
509	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)	7778-18-9	30	330	2,000
510	Calcium sulfide	20548-54-3	12	130	790
511	Calcium trifluoromethanesulfonate	55120-75-7	22	250	1,500

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
512	Calcium(II) nitrate	10124-37-5	0.91	10	60
513	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	12	130	770
514	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	30	330	2,000
515	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	30	330	2,000
516	Cantharidin	56-25-7	0.39	4.3	33
517	Caprolactam (dust)	105-60-2	3	40	240
518	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	13	140	850
519	Caprylyl chloride; (Octanoyl chloride)	111-64-8	30	330	2,000
520	CAPSO	73463-39-5	30	330	2,000
521	Captan	133-06-2	15	81	750
522	Carbachol chloride	51-83-2	1.4	15	90
523	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-; (Tirpate)	26419-73-8	0.003	0.033	0.2
524	Carbaryl	63-25-2	1.5	100	600
525	Carbazole	86-74-8	0.66	7.2	43
526	Carbazole violet	6358-30-1	30	330	2,000
527	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	30	330	2,000
528	Carbofuran	1563-66-2	0.3	0.43	3.7

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
529	Carbon black	1333-86-4	9	99	590
530	Carbon dioxide	124-38-9	54,000	72,000	90,000
531	**Carbon disulfide**	**75-15-0**	**40**	**500**	**1,500**
532	**Carbon monoxide**	**630-08-0**	86	**95**	**380**
533	**Carbon tetrachloride**	**56-23-5**	7.5	**82**	**2,100**
534	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	330	3,600	22,000
535	Carbon trifluoride; (Trifluoromethane; Fluoroform)	75-46-7	1,000	11,000	66,000
536	Carbon; (Graphite, synthetic)	7440-44-0	6	16	95
537	Carbonic acid, calcium salt	471-34-1	45	210	1,300
538	**Carbonyl fluoride**	**353-50-4**	0.069	**0.76**	**2.2**
539	**Carbonyl sulfide**	**463-58-1**	37	**140**	**370**
540	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	30	330	2,000
541	Carbophenothion; (Trithion)	786-19-6	0.62	6.8	24
542	Catechol	120-80-9	68	430	2,600
543	Ceric ammonium nitrate	16774-21-3	30	330	2,000
544	Ceric ammonium sulfate	7637-03-8	30	330	2,000
545	Ceric ammonium sulfate, dihydrate	10378-47-9	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
546	Ceric oxide	1306-38-3	3	33	200
547	Cerium	7440-45-1	30	330	2,000
548	Cerium acetate	537-00-8	30	330	2,000
549	Cerium chloride	7790-86-5	6.3	70	420
550	Cerium fluoride	7758-88-5	26	280	1,700
551	Cerium hydroxide	15785-09-8	21	180	1,100
552	Cerium nitrate hexahydrate	10294-41-4	13	140	830
553	Cerium oxalate	139-42-4	30	330	2,000
554	Cerium sulfate	13590-82-4	30	330	2,000
555	Cerium trioxide	1345-13-7	1.6	17	100
556	Cerium(III) sulfate	13454-94-9	12	130	790
557	Cerium(IV) hydroxide	12014-56-1	30	330	2,000
558	Cerium(IV) nitrate	13093-17-9	30	330	2,000
559	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	9.5	100	620
560	Cerous nitrite	z-0004	30	330	2,000
561	Cesium	7440-46-2	5.6	61	370
562	Cesium carbonate	534-17-8	7	77	460

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
563	Cesium chloride	7647-17-8	21	230	400
564	Cesium fluoride	13400-13-0	60	670	4,000
565	Cesium hydroxide	21351-79-1	6	19	110
566	Cesium iodide	7789-17-5	7.2	79	470
567	Cesium metaborate	92141-86-1	6.8	77	460
568	Cesium nitrate	7789-18-6	7.2	79	470
569	Cesium nitrite	13454-83-6	30	330	2,000
570	Cesium oxide	20281-00-9	4.1	45	270
571	Chloramben; (Amiben; 3-Amino-2,5-dichlorobenzoic acid)	133-90-4	11	120	690
572	Chloramphenicol	56-75-7	1.5	10	500
573	Chlordane	57-74-9	4.5	50	500
574	Chlorfenvinfos	470-90-6	0.91	10	500
575	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	3.6	40	240
576	Chloride; (Chloride(1-); Chloride ions)	16887-00-6	0.72	2.9	29
577	Chlorinated polyolefins	68410-99-1	30	330	2,000
578	**Chlorine**	**7782-50-5**	**1.4**	**5.8**	**58**
579	**Chlorine dioxide**	**10049-04-4**	**0.41**	**3**	**6.6**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
580	Chlorine Hi dry granular (as Cl)	z-0006	0.72	2.9	29
581	**Chlorine pentafluoride**	**13637-63-3**	0.083	**0.91**	**43**
582	**Chlorine trifluoride**	**7790-91-2**	**0.45**	**7.6**	**79**
583	Chlormephos	24934-91-6	0.64	7	42
584	Chlormequat chloride; (Choline dichloride)	999-81-5	0.64	7	65
585	**Chloro-1,1,1,2-tetrafluoroethane, 2-**	**2837-89-0**	**5,600**	**28,000**	**56,000**
586	**Chloro-1,1-difluoroethane, 1-; (HCFC-142b)**	**75-68-3**	**41,000**	**62,000**	**1.00E+05**
587	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	0.051	0.56	24
588	Chloro-1-butanol, 4-	928-51-8	1.5	16	110
589	Chloro-2,4-dinitrobenzene, 1-	97-00-7	1.6	18	150
590	Chloro-2-methyl-1-propene, 3-	563-47-3	4.4	48	370
591	Chloro-2-methyl-4-isothiazolin-3-one, 5-	26172-55-4	0.6	6.6	40
592	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	8.9	98	590
593	Chloro-2-nitrophenol, 4-	89-64-5	12	130	790
594	Chloro-4-nitrophenol, 2-	619-08-9	2.7	30	180
595	**Chloroacetaldehyde**	**107-20-0**	**4.2**	**7.1**	**32**
596	Chloroacetaldehyde dimethyl acetal	97-97-2	12	130	790

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
597	Chloroacetic acid, sodium salt	3926-62-3	7.2	79	480
598	**Chloroacetic acid; (Monochloroacetic acid)**	**79-11-8**	5.8	**25**	59
599	**Chloroacetone**	**78-95-5**	1.5	**17**	**49**
600	**Chloroacetonitrile**	**107-14-2**	1.4	**15**	**46**
601	**Chloroacetyl chloride**	**79-04-9**	**0.18**	**7.4**	**240**
602	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3	1.5	17	99
603	Chloroaniline, p-	106-47-8	6.1	68	100
604	**Chlorobenzene; (Benzene chloride)**	**108-90-7**	**46**	**690**	**1,800**
605	Chlorobenzotrifluoride, 2-	88-16-4	4.8	53	320
606	Chlorobenzylate; (4,4'-Dichlorobenzilic acid ethyl ester)	510-15-6	0.72	8	140
607	**Chlorobenzylidene malononitrile, o-; (Tear Gas)**	**2698-41-1**	**0.005**	**0.083**	**11**
608	Chlorobutane, 1-; (Butyl chloride)	109-69-3	15	170	1,300
609	Chlorobutane, 2-; (sec-Butyl chloride)	78-86-4	1.3	14	1,300
610	Chlorobutyryl chloride, 4-	4635-59-0	0.43	4.8	29
611	Chlorocyclohexanol, trans-2-	6628-80-4	2.7	30	180
612	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	30	330	2,000
613	Chlorodecane, 1-	1002-69-3	120	1,300	7,900

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
614	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	27	290	1,800
615	Chlorodifluoromethane; (Freon 22; CFC 22)	75-45-6	4,400	8,300	50,000
616	Chloroethanesulfonyl chloride, 2-	1622-32-8	0.23	2.5	19
617	Chloroethyl chloroformate	627-11-2	1.8	20	120
618	Chloroethyl phenyl sulfide, 2-	5535-49-9	1.2	13	79
619	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	0.71	7.8	47
620	Chloroethylchloromethylsulfide, 2-	2625-76-5	0.059	0.12	1.9
621	**Chloroform**	**67-66-3**	9.8	**310**	**16,000**
622	Chloroform-d; (Deuterated chloroform)	865-49-6	9.8	310	16,000
623	Chloro-m-cresol, 4-	59-50-7	5.5	60	360
624	**Chloromethyl methyl ether**	**107-30-2**	0.14	**1.5**	**6.6**
625	**Chloromethyl(trichloro)silane**	**1558-25-4**	**4.5**	**55**	**250**
626	Chloronaphthalene, 1-; (alpha-Chloronaphthalene)	90-13-1	4.6	51	310
627	Chloronaphthalene, 2-; (beta-Chloronaphthalene)	91-58-7	6.2	69	410
628	Chloronitrobenzene, p-; (p-Nitrochlorobenzene)	100-00-5	1.9	170	1,000
629	Chloroperoxybenzoic acid, 3-	937-14-4	30	330	2,000
630	Chlorophacinone	3691-35-8	0.0047	0.051	0.31

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
631	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	1.5	17	99
632	Chlorophenol, m-	108-43-0	2.1	23	140
633	Chlorophenol, o-	95-57-8	2.3	25	150
634	Chlorophenyl phenyl ether, 4-	7005-72-3	1.5	35	210
635	Chlorophenyl thiourea, 2-	5344-82-1	0.014	0.15	0.91
636	Chloropicrin/Methyl bromide mixture	8004-09-9	0.05	0.15	1.4
637	Chloropicrin/Methyl chloride mixture	z-0007	0.05	0.15	1.4
638	**Chloropicrin; (Trichloronitromethane)**	**76-06-2**	**0.34**	**1**	**9.4**
639	Chloroprene; (beta-Chloroprene; Neoprene)	126-99-8	110	230	1,400
640	Chloropropanol, 3-; (1-Propanol, 3-chloro-)	627-30-5	6.9	76	460
641	Chloropropionitrile, 3-	542-76-7	0.82	9	20
642	Chloropropyl)trimethoxysilane, 3-(; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	5.2	57	1,300
643	Chloropropylene, 2-	557-98-2	670	7,300	9,300
644	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	0.73	8	1,100
645	Chloro-p-toluenesulfonamide sodium salt, N-; (Chloramine T)	127-65-1	2.8	31	190
646	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7	0.0031	0.038	0.14
647	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5	0.0015	0.018	0.14

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
648	**Chlorosulfonic acid; (Chlorosulfuric acid)**	**7790-94-5**	**0.10**	**4.4**	**25**
649	Chlorothalonil; (Tetrachloroisophthalonitrile)	1897-45-6	0.13	1.4	8.6
650	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	390	1,600	9,600
651	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	6.3	69	420
652	Chlorotrifluoroethene, homopolymer	9002-83-9	1.5	16	200
653	**Chlorotrifluoroethylene**	**79-38-9**	**76**	**410**	**2,000**
654	Chlorotrifluoromethane; (CFC-13)	75-72-9	13,000	1.40E+05	8.50E+05
655	**Chlorovinylarsine dichloride; (Lewisite 1)**	**541-25-3**	0.023	**0.25**	**0.74**
656	Chloroxuron	1982-47-4	0.91	10	68
657	Chlorpyrifos; (Dursban)	2921-88-2	0.6	15	44
658	Chlorsulfuron	64902-72-3	3.9	43	260
659	Chlorthiophos	21923-23-9	0.71	7.8	9.9
660	Cholera toxin; (Enterotoxin, vibrio cholera)	9012-63-9	7.70E-05	8.50E-04	0.0051
661	Chromates	13907-45-4	0.33	5	30
662	Chromic acetate; (Chromium(III) acetate)	1066-30-4	6.6	78	470
663	Chromic chloride; (Chromium(III) chloride)	10025-73-7	4.6	15	87
664	Chromic oxide; (Chromium(III) oxide; Chromium sesquioxide)	1308-38-9	2.2	24	140

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
665	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	5.7	63	380
666	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	0.29	5	30
667	Chromic(III) hydroxide; (Chromic acid (H3CrO3); Chromium trihydroxide)	1308-14-1	3	33	200
668	Chromite; (Chromite (mineral))	1308-31-2	3.2	36	220
669	Chromium	7440-47-3	1.5	17	99
670	Chromium nitrate	10103-47-6	3.3	36	220
671	Chromium perchlorate, hydrated	13537-21-8	10	110	670
672	Chromium(III) acetate hydroxide	39430-51-8	8	89	530
673	Chromium(III) chloride, hexahydrate	10060-12-5	7.7	43	260
674	Chromium(III) fluoride	7788-97-8	3.1	33	200
675	Chromium(III) nitrate	13548-38-4	6.9	110	640
676	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2	2.5	27	160
677	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	14	160	950
678	Chromium(VI) hydroxide	12626-43-6	0.089	7.7	46
679	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	3.5	62	370
680	Chrysene	218-01-9	0.6	12	69
681	Coal tar pitch volatiles; (Particulate polycyclic aromatic hydrocarbons)	65996-93-2	0.6	120	700

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
682	Coal tar, aerosol	8007-45-2	2.8	31	190
683	Cobalt	7440-48-4	0.18	2	20
684	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	2.1	23	140
685	Cobalt carbonyl	10210-68-1	0.3	3.3	20
686	Cobalt chloride	7646-79-9	0.13	18	83
687	**Cobalt hydrocarbonyl**	**16842-03-8**	0.3	**0.9**	**3**
688	Cobalt hydroxide	21041-93-0	0.095	1.1	6.3
689	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	0.3	23	140
690	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	0.19	14	86
691	Cobalt nitrite	32486-57-0	0.15	1.7	10
692	Cobalt oxide; (Cobaltic-cobaltous oxide)	1308-06-1	0.082	4.5	27
693	Cobalt sulfate	10124-43-3	0.16	14	84
694	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	0.29	19	120
695	Cobalt tetraphenylporphine	14172-90-8	30	330	2,000
696	Cobalt(II) chloride hexahydrate	7791-13-1	0.24	25	150
697	Cobalt(II) oxide	1307-96-6	0.076	4.2	25
698	Cobalt(II) perchlorate, hexahydrate	13478-33-6	0.37	5.8	35

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
699	Cobalt(II) sulfate hydrate	60459-08-7	0.18	1.9	12
700	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-; (Fluomine)	62207-76-5	0.27	3	5.7
701	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7	0.22	13	80
702	Cobaltous carbonate	513-79-1	0.12	210	1,200
703	Colchicine	64-86-8	0.082	0.9	5.1
704	Conotoxins (α)	156467-85-5	0.2	2.2	13
705	Copper	7440-50-8	3	33	200
706	Copper cyanide; (Copper(I) cyanide; Cuprous cyanide)	544-92-3	21	29	170
707	Copper hydroxide; (Copper(II) hydroxide, Cupric hydroxide)	20427-59-2	4.6	33	200
708	Copper nitrate; (Cupric nitrate)	3251-23-8	8.9	31	190
709	Copper oxide; (Copper(I) oxide)	1317-39-1	0.68	16	93
710	Copper sulfate; (Copper(II) sulfate)	7758-98-7	7.5	10	59
711	Copper(I) chloride; (Cuprous chloride)	7758-89-6	4.7	53	320
712	Copper(I) sulfide	22205-45-4	3.8	43	260
713	Copper(II) acetate monohydrate	6046-93-1	9.4	23	140
714	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	5.2	45	270
715	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	6.3	69	420

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
716	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	8	89	530
717	Copper(II) oxalate	814-91-5	7.3	79	480
718	Copper(II) perchlorate, dihydrate	17031-32-2	14	160	930
719	Copper(II) sulfate pentahydrate	7758-99-8	12	32	190
720	Copper(II) sulfide	1317-40-4	4.5	50	300
721	Coumaphos	56-72-4	0.27	3	13
722	Coumarin	91-64-5	0.88	9.7	58
723	Coumatetralyl; (Endrocide)	5836-29-3	0.0064	0.071	1.7
724	Creosote (coal tar)	8001-58-9	0.6	120	700
725	Cresols, all isomers; (includes 95-48-7,108-39-4,106-44-5)	1319-77-3	62	110	1,100
726	Cresyl violet acetate	10510-54-0	30	330	2,000
727	Crimidine; (Castrix)	535-89-7	0.0063	0.069	0.41
728	Cristobalite	14464-46-1	0.075	33	200
729	Crocidolite	12001-28-4	0.05	1.9	160
730	**Crotonaldehyde**	**4170-30-3**	**0.54**	**13**	**40**
731	**Crotonaldehyde, trans-**	**123-73-9**	**0.54**	**13**	**40**
732	Crotonic Acid	3724-65-0	3	33	200

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
733	Crystal violet; (Aniline violet)	548-62-9	0.082	0.9	83
734	Cs7SB; (1-(2,2,3,3-Tetrafluoropropoxy)-3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	33	370	2,200
735	Cube Resin other than Rotenone	z-0122	30	330	2,000
736	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	0.91	10	60
737	**Cumene; (Isopropyl benzene)**	**98-82-8**	**250**	**1,500**	**3,600**
738	Cumenol methylcarbamate, m-; (3-(1-Methylethyl)phenol methylcarbamate)	64-00-6	0.095	1	6.3
739	Cupferron; (Ammonium-N-nitrosophenylhydroxylamine)	135-20-6	0.6	6.6	39
740	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	8.6	20	120
741	Cupric nitrate hemipentahydrate	19004-19-4	42	150	240
742	Cupric nitrite	14984-71-5	7.3	79	480
743	Cupric oxide	1317-38-0	0.75	11	93
744	Cyanamide	420-04-2	6	66	400
745	Cyanic acid; (Hydrogen cyanate)	420-05-3	9.5	14	81
746	Cyanide	57-12-5	6	8.3	50
747	Cyanoacetamide	107-91-5	2.8	30	180
748	**Cyanogen**	**460-19-5**	**4.3**	**18**	**53**
749	Cyanogen bromide	506-68-3	24	44	200

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
750	**Cyanogen chloride**	**506-77-4**	0.012	**0.13**	**10**
751	Cyanogen iodide	506-78-5	35	180	290
752	Cyanoguanidene; (Guanidine, cyano-; Dicyandiamido)	461-58-5	61	680	4,000
753	Cyanophos	2636-26-2	2.3	25	130
754	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	30	250	1,500
755	Cyanuric chloride	108-77-0	0.41	4.5	7.7
756	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	10	15	87
757	Cyclohexane	110-82-7	1,000	5,700	34,000
758	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	30	330	2,000
759	Cyclohexanediamine, 1,2-	694-83-7	2.1	23	140
760	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	9.6	110	630
761	Cyclohexanol	108-93-0	610	2,300	14,000
762	Cyclohexanone; (Ketohexamethylene)	108-94-1	240	3,300	20,000
763	Cyclohexene	110-83-8	3,000	5,700	34,000
764	Cycloheximide	66-81-9	0.18	2	12
765	**Cyclohexyl isocyanate**	**3173-53-3**	0.015	**0.17**	**0.51**
766	Cyclohexyl methyl phosphonic acid	1932-60-1	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
767	**Cyclohexylamine**	**108-91-8**	**7.3**	**35**	**120**
768	Cyclohexylamino)-1-propanesulfonic acid, 3-; (CAPS)	1135-40-6	6	66	400
769	Cyclohexylethanol, 2-	4442-79-9	2.8	31	190
770	Cyclooctadiene, 1,5-	111-78-4	7.8	85	510
771	Cyclooctane	292-64-8	120	1,300	7,900
772	Cyclooctatetraene, 1,3,5,7-	629-20-9	2.80E+05	9.80E+05	1.70E+06
773	Cyclooctene, cis-	931-87-3	120	1,300	7,900
774	Cyclopentane	287-92-3	5,200	11,000	66,000
775	Cyclopentanone	120-92-3	3	33	200
776	Cyclopropane	75-19-4	120	1,300	9,600
777	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	19	210	1,300
778	Cyclotol; (RDX-TNT mixture)	8065-53-0	3	33	200
779	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	3	26	160
780	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	4.3	48	290
781	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	16	170	1,000
782	DDD; (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	2.1	24	3,000
783	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	6.5	72	170

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
784	DDT; (Dichlorodiphenyltrichloroethane)	50-29-3	3	34	210
785	Decaborane	17702-41-9	0.75	10	100
786	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	370	4,100	5,200
787	Decahydronaphthalene, includes -cis (493-01-6) and -trans (493-02-7) isomers	91-17-8	14	150	180
788	Decamethylcyclopentasiloxane	541-02-6	72	800	4,800
789	Decanal	112-31-2	11	120	740
790	Decane	124-18-5	38	420	2,500
791	Decene, 1-, homopolymer, hydrogenated	68037-01-4	30	330	2,000
792	Decyl alcohol; (1-Decanol)	112-30-1	1.8	19	140
793	Demeton	8065-48-3	0.18	2	20
794	Demeton-S-methyl	919-86-8	0.45	5	22
795	Deuterium	7782-39-0	11,000	38,000	66,000
796	Deuterochloric acid; (Deuterium chloride)	7698-05-7	2.8	34	150
797	Di(ethylene glycol) diacrylate	4074-88-8	0.75	8.3	50
798	Di-2-ethylhexyl adipate	103-23-1	2	23	1,500
799	Diacetoxydibutyl stannane	1067-33-0	0.59	6.5	39
800	Diacetoxyscirpenol; (Anguidin; mycotoxin)	2270-40-8	9.90E-04	0.011	0.34

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
801	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	1.2	13	79
802	Dialifor	10311-84-9	0.45	5	39
803	Diallyl phthalate	131-17-9	15	24	140
804	Diallyldimethylammonium chloride	7398-69-8	7.6	83	500
805	Diallyldimethylammonium chloride polymer	26062-79-3	6	65	590
806	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
807	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	2.2	24	140
808	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	2	22	200
809	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	2.2	24	150
810	Diaminopyridine, 2,6-	141-86-6	0.33	3.6	22
811	Diammonium dimolybdate; (Ammonium molybdenum oxide)	27546-07-2	2.6	29	170
812	Diammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	30	330	2,000
813	Diammonium sulfide; (Ammonium sulfide)	12135-76-1	2.8	150	280
814	Diamond	7782-40-3	6.3	69	1,100
815	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	1.2	13	79
816	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	5.1	56	340
817	Diazabicyclo(5.4.0)undec-7-ene, 1,8-	6674-22-2	1.2	13	79

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
818	Diazoacetic acid, ethyl ester; (Ethyl diazoacetate)	623-73-4	1.2	13	79
819	Diazomethane	334-88-3	1	11	67
820	Dibenza(a,h)anthracene	53-70-3	0.093	1	2.9
821	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	30	330	2,000
822	Dibenzofuran	132-64-9	30	330	2,000
823	Dibenzo-p-dioxin	262-12-4	3.7	40	240
824	**Diborane**	**19287-45-7**	0.34	**1.1**	**4.2**
825	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	0.029	21	41
826	Dibromo-4-nitrophenol, 2,6-	99-28-5	0.18	2	12
827	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	1.1	12	73
828	Dibromohexane, 1,6-	629-03-8	0.89	9.7	58
829	Dibromomethane; (Methylene dibromide)	74-95-3	21	230	1,400
830	Dibromophenol, 2,6-	608-33-3	14	150	900
831	Dibromopropane, 1,3-	109-64-8	3.1	34	100
832	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	460	5,100	30,000
833	Dibutyl (2-ethylhexyl)phosphate	z-0011	280	3,000	18,000
834	Dibutyl butylphosphonate	78-46-6	0.18	2	12

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
835	Dibutyl peroxide, tert-	110-05-4	44	480	1,100
836	Dibutyl phosphate	107-66-4	17	180	1,100
837	Dibutyl phosphite	1809-19-4	9.6	110	630
838	Dibutyl phthalate	84-74-2	15	84	9,300
839	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	36	400	2,400
840	Dibutylhexamethylenediamine, N,N'-	4835-11-4	0.2	2.2	9.7
841	Dibutyltin dilaurate; (Dibutylbis(lauroyloxy)stannane)	77-58-7	1.1	8	48
842	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	7.2	79	480
843	Dichloro(4,4-dimethylzinc -5((((methylamino)carbonyl)oxy)imino)pentanenitrile), (trans-4)-; (Ethienocarb)	58270-08-9	0.82	9	54
846	Dichloro-2-butene, 1,4-	764-41-0	0.077	9.9	60
847	Dichloro-2-propanol, 1,3-	96-23-1	1.7	19	28
848	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	1.2	13	78
849	Dichloroacetic acid	79-43-6	7.9	47	720
850	**Dichloroacetyl chloride**	**79-36-7**	**0.24**	**9.6**	**310**
851	Dichloroacetylene	7572-29-4	0.035	0.39	13
852	Dichloroamine; (Chlorimide)	3400-09-7	0.49	5.4	32
853	Dichlorobenzene, m-	541-73-1	36	400	2,400

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
854	Dichlorobenzene, o-	95-50-1	300	1,000	6,000
855	Dichlorobenzene, p-	106-46-7	180	1,000	6,000
856	Dichlorobenzidene, 3,3'-	91-94-1	21	230	1,400
857	Dichlorocyclohexane, 1,1-	2108-92-1	330	1,100	6,300
858	Dichlorocyclohexane, trans-1,2-	822-86-6	330	1,100	6,300
859	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	15,000	49,000	2.50E+05
860	Dichloroethanol acetate, 1,2-	10140-87-1	1	11	66
861	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane; Bis(2-chloroethyl)ether)	111-44-4	58	150	1,500
862	Dichloroethylaluminum	563-43-9	28	310	1,800
863	Dichloroethylbenzene; (Ethyldichlorobenzene)	1331-29-9	17	180	1,100
864	Dichloroethylene, 1,2-	540-59-0	550	2,000	3,400
865	**Dichloroethylene, cis-1,2-**	**156-59-2**	**550**	**2,000**	**3,400**
866	**Dichloroethylene, trans-1,2-**	**156-60-5**	**1,100**	**4,000**	**6,700**
867	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	130	35,000	2.10E+05
868	Dichlorohexane, 1,2-	2162-92-7	12	130	760
869	Dichlorohexane, 1,6-	2163-00-0	12	130	790
870	Dichloroisopropyl ether	108-60-1	1	11	150

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
871	Dichloromethane-d2	1665-00-5	710	2,000	25,000
872	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	0.29	3.1	19
873	**Dichloromethyl ether; (bis(Chloromethyl)ether)**	**542-88-1**	0.019	**0.21**	**0.85**
874	Dichloromethylphenylsilane	149-74-6	7	86	390
875	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	1.2	13	79
876	Dichlorooctane, 1,8-	2162-99-4	30	330	2,000
877	Dichlorophene	97-23-4	4.5	50	300
878	**Dichlorophenol, 2,4-**	**120-83-2**	**1.3**	**13**	**130**
879	Dichlorophenol, 2,6-	87-65-0	8.8	97	580
880	Dichlorophenoxyacetic acid, 2,4-; (2,4-D)	94-75-7	30	94	500
881	Dichloropropane, 1,1-	78-99-9	12	130	790
882	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	140	1,000	9,200
883	Dichloropropane, 1,3-	142-28-9	25	270	1,600
884	Dichloropropane, 2,2-	594-20-7	12	130	790
885	Dichloropropene, 1,1-	563-58-6	5.9	68	390
886	Dichloropropene, 1,2-; (including cis- isomer, 6923-20-2)	563-54-2	6	66	400
887	Dichloropropene, 1,3-; (including cis- and trans- isomers)	542-75-6	14	88	530

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
888	Dichloropropene, 2,3-	78-88-6	1.5	16	97
889	**Dichlorosilane**	**4109-96-0**	**3.7**	**45**	**210**
890	Dichlorotetrafluoroethane	1320-37-2	1,000	11,000	66,000
891	Dichlorotetrafluoroethane, 1,2-; (Freon 114, CFC 114)	76-14-2	21,000	70,000	3.50E+05
892	Dichlorovos; (Dichlorvos)	62-73-7	1.8	20	200
893	Dicrotophos	141-66-2	0.15	0.9	17
894	Dicyclohexano-18-crown-6	16069-36-6	0.41	4.5	35
895	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	30	330	2,000
896	Dicyclohexylcarbodiimide	538-75-0	0.12	1.3	8
897	**Dicyclopentadiene**	**77-73-6**	**0.054**	**27**	**410**
898	Didecyldimethylammonium chloride	7173-51-5	0.82	9	17
899	Dieldrin	60-57-1	0.3	6.8	450
900	Diesel fuels; (inlcudes diesel fuel No. 4 (68476-31-3), fuel oil No.2 (68476-30-2), fuel oil residual (68476-33-5)	68334-30-5	300	3,300	20,000
901	Diethanolamine	111-42-2	3	28	130
902	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (Dowex 50-X8 resin)	69011-20-7	30	330	2,000
903	Diethoxydimethylsilane	78-62-6	17	190	1,100
904	Diethyl (methylthiomethyl) phosphonate	28460-01-7	15	160	970

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
905	Diethyl carbonate	105-58-8	59	650	3,900
906	Diethyl chlorophosphate	814-49-3	0.73	8	11
907	Diethyl ethylphosphonate	78-38-6	1	11	460
908	Diethyl malonate; (Ethyl malonate)	105-53-3	45	500	3,000
909	Diethyl mercury	627-44-1	0.039	0.052	2.6
910	Diethyl methylphosphonate; (DEMP)	683-08-9	7.3	81	480
911	Diethyl oxalate	95-92-1	1.2	13	79
912	Diethyl phosphite	762-04-9	12	130	770
913	Diethyl phthalate; (Ethyl phthalate)	84-66-2	15	240	1,700
914	Diethyl pyrocarbonate	1609-47-8	4.1	45	270
915	Diethyl sulfate	64-67-5	1	11	68
916	Diethyl tartrate	87-91-2	30	330	2,000
917	Diethyl telluride	627-54-3	0.3	1.8	11
918	Diethyl trichloromethylphosphonate	866-23-9	2.4	26	160
919	Diethylamine	109-89-7	45	1,000	6,000
920	Diethylaminoacetone	1620-14-0	0.63	6.9	41
921	Diethylaminopropylamine	104-78-9	1.7	18	110

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
922	Diethylaniline, N,N-	91-66-7	1.3	14	85
923	**Diethylbenzene mixed isomers; (Dowtherm J); includes m- (141-93-5) and o- (135-01-3) isomers**	**25340-17-4**	**55**	**550**	**2,700**
924	**Diethyldichlorosilane**	**1719-53-5**	**5.8**	**71**	**320**
925	Diethylene glycol	111-46-6	30	620	3,700
926	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	13	140	850
927	Diethylene glycol diacetate; (2,2'-Oxybisethanol diacetate)	628-68-2	47	520	3,100
928	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	82	500	1,100
929	Diethylene glycol hexyl ether; (n-Hexyl carbitol)	112-59-4	3.7	41	480
930	Diethylenetriamine	111-40-0	13	36	210
931	Diethylenetriaminepentaacetic acid	67-43-6	3.5	39	230
932	Diethylenylbenzene; (Vinylstyrene) (m-Divinylbenzene, 108-57-6)	1321-74-0	160	310	1,800
933	Diethylethanolamine, N,N-; (Diethylaminoethanol)	100-37-8	29	400	2,400
934	Diethylphosphatoethyltriethoxy silane	757-44-8	52	570	3,400
935	Diethylstilbestrol; ((E)-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol)	56-53-1	9	99	590
936	Diethylthiourea, N,N'-	105-55-5	0.95	10	63
937	Diethylurea, 1,3-	623-76-7	14	150	910
938	Diethylzinc	557-20-0	120	1,300	7,900

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
939	**Difluoroethane; (1,1-Difluoroethane; HFC 152a)**	**75-37-6**	**27,000**	**40,000**	**67,000**
940	Digitoxin	71-63-6	0.016	0.18	15
941	Diglycidyl ether	2238-07-5	4.1	45	130
942	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	6.1	67	2,200
943	Digoxin	20830-75-5	0.018	0.2	13
944	Dihexyl((diethylcarbamoyl)methyl)phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	3	33	200
945	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	3.6	39	310
946	Dihydro-2H-pyran, 3,4-	110-87-2	12	130	790
947	Dihydro-3-(nonenyl)-2,5-furandione	28928-97-4	30	330	2,000
948	Dihydro-4-methyl furan, 2,3-	34314-83-5	12	130	790
949	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	0.013	3.2	19
950	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	0.26	2.8	17
951	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	3.8	41	250
952	Dihydroxyanthraquinone, 1,8-; (Dantron)	117-10-2	6.7	73	440
953	Dihydroxybenzoic acid, 2,4-	89-86-1	2.6	29	170
954	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	30	330	2,000
955	Diiodomethane; (Methylene iodide)	75-11-6	2.4	27	160

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
956	Diisoamylamine	544-00-3	0.26	2.9	17
957	Diisobutyl ketone	108-83-8	440	2,000	12,000
958	Diisobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	31	320	1,900
959	Diisobutylamine	110-96-3	0.77	8.5	51
960	Diisooctyl acid phosphate	27215-10-7	12	130	790
961	Diisopropyl methylphosphonate	1445-75-6	2.5	27	160
962	Diisopropyl peroxydicarbonate	105-64-6	6.4	71	420
963	Diisopropylamine	108-18-9	62	680	4,100
964	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	0.008	0.088	0.53
965	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0	1.5	17	99
966	Diisopropylaniline, 2,6-	24544-04-5	16	180	630
967	Diisopropylbenzene, 1,3-	99-62-7	2	23	180
968	Diisopropylethylamine, N,N-	7087-68-5	9.3	100	610
969	Diisopropylfluorophosphate; (Phosphorofluoridic acid, bis(1-methylethyl) ester)	55-91-4	0.33	3.6	22
970	Diisopropylnaphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	5.6	61	370
971	**Diketene; (Ketene dimer)**	**674-82-8**	0.31	**3.4**	**10**
972	Dilauroyl peroxide	105-74-8	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
973	Dimefox; (bis(Dimethylamido)fluorophosphate)	115-26-4	0.091	1	4.1
974	Dimethoate	60-51-5	2.7	30	170
975	Dimethoxybenzene, 1,3-	151-10-0	3	32	190
976	Dimethoxybenzene, o-	91-16-7	2.7	29	180
977	Dimethoxybenzidene 3,3'-; (o-Dianisidine)	119-90-4	20	220	380
978	Dimethoxybutane, 1,3-	10143-66-5	25	280	1,700
979	Dimethoxybutane, 2,2-	3453-99-4	25	280	1,600
980	Dimethoxydiphenylsilane	6843-66-9	0.027	0.3	1.8
981	Dimethoxyethane, 1,2-	110-71-4	47	520	3,100
982	Dimethoxypropane, 2,2-	77-76-9	0.28	3.1	19
983	Dimethyl butane, 2,2-	75-83-2	3,500	39,000	2.30E+05
984	Dimethyl carbamoyl chloride	79-44-7	0.066	6.7	40
985	Dimethyl carbonate	616-38-6	39	430	2,600
986	Dimethyl cyclopentanol, 1,3-	19550-46-0	30	330	2,000
987	**Dimethyl disulfide**	**624-92-0**	**0.039**	**190**	**960**
988	Dimethyl mercury	593-74-8	0.034	0.046	2.3
989	Dimethyl methylphosphonate; (DMMP)	756-79-6	10	110	1,600

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
990	**Dimethyl phosphite**	**868-85-9**	8.6	**95**	**150**
991	Dimethyl phosphorochloridothioate	2524-03-0	0.29	3.2	15
992	Dimethyl siloxane; (Dimethylpolysiloxane; Syltherm XLT; Syltherm 800; Silicone 360)	63148-62-9	65	720	4,300
993	**Dimethyl sulfate**	**77-78-1**	**0.12**	**0.62**	**8.2**
994	**Dimethyl sulfide; (2-Thiopropane)**	**75-18-3**	**1.3**	**2,500**	**13,000**
995	Dimethyl sulfone	67-71-0	15	170	990
996	Dimethyl sulfoxide; (DMSO)	67-68-5	480	930	5,600
997	Dimethyl(1-phenylethyl)benzene	40766-31-2	2	23	410
998	Dimethyl(polysiloxane); (Polydimethylsiloxane, silanol terminated; Dimethylsiloxane, poly, hydroxy end-blocked)	70131-67-8	190	2,100	13,000
999	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	21	230	1,400
1000	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	5.1	56	370
1001	Dimethyl-1-butanamine, N,N-	927-62-8	130	1,400	8,600
1002	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	120	1,300	7,900
1003	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	30	330	2,000
1004	Dimethyl-3-pentanone, 2,4-	565-80-0	4.6	51	470
1005	Dimethyl-5-phenylphenazinium chloride, 3,7-diamino-2,8-; (Safranine; Gossypimine)	477-73-6	0.17	1.9	11
1006	Dimethylacetamide, N,N-	127-19-5	110	230	1,400

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1007	Dimethylacrylamide, N,N-	2680-03-7	0.15	1.7	50
1008	**Dimethylamine**	**124-40-3**	**18**	**120**	**460**
1009	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, p-((p-(; (Methyl orange, sodium salt)	547-58-0	0.18	2	12
1010	Dimethylaminoazobenzene, 4-	60-11-7	1.8	20	40
1011	Dimethylaminobenzaldehyde, p-	100-10-7	8.2	90	250
1012	Dimethylaminocyclohexane, N,N-	98-94-2	1	11	66
1013	Dimethylaminoethanol, 2-	108-01-0	13	150	260
1014	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	0.34	3.8	47
1015	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	1.2	13	79
1016	Dimethylaniline, N,N-	121-69-7	50	1,700	9,900
1017	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	0.0018	0.02	36
1018	Dimethylbutyric acid, 2,2-	595-37-9	12	130	790
1019	**Dimethylchlorosilane; (Chlorodimethylsilane)**	**1066-35-9**	**7**	**85**	**390**
1020	Dimethylcyclohexane, cis-1,4-	624-29-3	2,300	26,000	1.50E+05
1021	Dimethyldecane, 2,2-	17302-37-3	1,600	2,700	35,000
1022	**Dimethyldichlorosilane**	**75-78-5**	**4.7**	**58**	**260**
1023	Dimethyldicyclopentadiene	26472-00-4	2.2	24	140

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1024	Dimethyldimethoxysilane	1112-39-6	14	150	920
1025	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	1.4	15	81
1026	**Dimethylformamide, N,N-**	**68-12-2**	**6**	**270**	**1,600**
1027	Dimethylglyoxime; (Diacetyldioxime)	95-45-4	0.99	11	65
1028	Dimethylheptane, 2,2-	1071-26-7	1,200	2,000	26,000
1029	Dimethylhexane, 3,3-	563-16-6	1,100	1,800	23,000
1030	**Dimethylhydrazine, 1,1-**	**57-14-7**	0.67	**7.4**	**27**
1031	**Dimethylhydrazine, 1,2-**	**540-73-8**	0.67	**7.4**	**27**
1032	Dimethylimidizole, 1,2-	1739-84-0	2.2	24	140
1033	Dimethylisopropylamine, N,N-	996-35-0	11	120	710
1034	Dimethylnonane, 4,5-	17302-23-7	1,500	2,500	32,000
1035	Dimethyloctane, 3,5-	15869-93-9	1,300	2,200	29,000
1036	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	6.9	76	460
1037	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	2.4	26	160
1038	Dimethylphthalate	131-11-3	15	1,600	9,300
1039	Dimethylpolysilane; (Poly(dimethylsilane))	28883-63-8	5.9	9.9	30
1040	Dimethyl-p-phenylenediamine, N,N-	99-98-9	0.012	0.13	9.9

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1041	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	8,800	96,000	5.70E+05
1042	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	0.6	6.6	40
1043	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	30	330	2,000
1044	Dimetilan	644-64-4	2.3	25	150
1045	Di-n-amylamine	2050-92-2	0.26	2.9	17
1046	Di-n-butylamine	111-92-2	2.4	26	110
1047	Dinitraniline orange; (Hansa orange RN)	3468-63-1	30	330	2,000
1048	Dinitroaniline, 2,4-	97-02-9	0.86	9.4	56
1049	Dinitrobenzene, -m, -o, and -p isomers (528-29-0 and 100-25-4)	99-65-0	3	33	200
1050	Dinitro-o-cresol, 4,6-	534-52-1	0.6	0.83	5
1051	Dinitrophenol	25550-58-7	0.25	2.7	16
1052	Dinitrophenol, 2,3-	66-56-8	1.1	13	75
1053	Dinitrophenol, 2,4-	51-28-5	0.61	6.8	16
1054	Dinitrophenol, 2,6-	573-56-8	0.23	2.5	15
1055	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	1	12	69
1056	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	0.48	5.3	32
1057	Dinitrotoluene	25321-14-6	0.6	34	200

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1058	Dinitrotoluene, 2,4-	121-14-2	0.6	12	200
1059	Dinitrotoluene, 2,6-	606-20-2	0.6	47	200
1060	Dinitrotoluene, 3,4-	610-39-9	0.6	33	200
1061	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	0.41	4.5	5.4
1062	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	0.19	2	12
1063	Dioctyl phthalate, n-	117-84-0	41	450	11,000
1064	Dioctyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	5.4	59	360
1065	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	5.7	63	380
1066	**Dioxane, 1,4-; (1,4-Diethyleneoxide)**	**123-91-1**	**61**	**1,200**	**2,700**
1067	Dioxathion	78-34-2	0.31	3.4	39
1068	Dioxolane, 1,3-	646-06-0	180	560	3,000
1069	Dipentaerythritol; (Dipentek)	126-58-9	30	330	2,000
1070	Dipentyl pentylphosphonate	6418-56-0	13	140	830
1071	Diphacinone; (Diphenadione)	82-66-6	0.082	0.9	88
1072	Diphenyl chlorophosphate; (Diphenylphosphoryl chloride)	2524-64-3	1.2	13	79
1073	Diphenyl cresol phosphate	26444-49-5	4.3	47	280
1074	Diphenyl mercury	587-85-9	0.53	8.3	50

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1075	**Diphenyl; (Biphenyl)**	**92-52-4**	5.5	**61**	1,900
1076	Diphenylamine	122-39-4	30	180	220
1077	**Diphenylchloroarsine; (Chlorodiphenylarsine)**	**712-48-1**	0.035	**0.39**	**1.2**
1078	**Diphenyldichlorosilane**	**80-10-4**	**9.3**	**110**	**520**
1079	Diphenylguanidine, 1,3-	102-06-7	0.97	11	64
1080	Diphenylhydrazine, 1,2-	122-66-7	120	1,300	7,900
1081	Diphenylmethane	101-81-5	6.8	74	450
1082	Diphenylnitrosamine	86-30-6	5.5	60	360
1083	Diphenyloxazole, 2,5-	92-71-7	2.5	27	160
1084	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	30	330	2,000
1085	Dipotassium cadmium oxide	z-0013	0.2	1.5	9.3
1086	Dipotassium dihydrogen silicate	z-0014	30	330	2,000
1087	Dipotassium metasilicate	10006-28-7	3.9	43	260
1088	Dipropyl ketone; (4-Heptanone)	123-19-3	700	7,600	46,000
1089	Dipropylamine	142-84-7	2.8	31	180
1090	Dipropylene glycol methyl ether	34590-94-8	910	10,000	60,000
1091	Direct Black 38; (Apomine black GX)	1937-37-7	74	810	4,900

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1092	Di-sec-octylphthalate	117-81-7	10	86	5,900
1093	Disodium (2-ethylhexyl)phosphate	15505-13-2	30	330	2,000
1094	Disodium 3,6-endoxohexahydrophthalate	129-67-9	0.15	1.7	10
1095	Disodium butylphosphate	64114-42-7	30	330	2,000
1096	Disodium cadmium oxide	z-0016	0.17	1.3	8
1097	Disodium dihydrogen silicate	z-0017	30	330	2,000
1098	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	30	330	2,000
1099	Disodium hexafluorosilicate (2-)	16893-85-9	12	140	820
1100	Disodium iminodiacetate	928-72-3	24	270	1,600
1101	Disodium monoxide; (Disodium oxide; Sodium oxide)	1313-59-3	0.5	5	50
1102	Distillates (petroleum) hydrotreated heavy naphthenic	64742-52-5	140	1,500	8,900
1103	Disulfiram	97-77-8	6	17	99
1104	Disulfoton	298-04-4	0.18	2	8.8
1105	Di-tert-butyl dicarbonate	24424-99-5	0.067	0.73	4.4
1106	Di-tert-butylhydroquinone, 2,5-	88-58-4	6.3	69	110
1107	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	1.8	20	33
1108	Dithiobiuret	541-53-7	0.45	5	11

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1109	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	0.52	5.7	34
1110	Dithioerythritol, 1,4-	6892-68-8	1.2	13	79
1111	Diurethane dimethacrylate	72869-86-4	120	1,300	7,900
1112	Dodecamethylcyclohexasiloxane	540-97-6	150	1,700	9,900
1113	Dodecane	112-40-3	12	130	760
1114	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	2.5	4.1	25
1115	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	30	330	2,000
1116	Dodecenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	7.7	84	510
1117	Dodecenylsuccinic anhydride	25377-73-5	0.79	8.7	52
1118	Dodecyl alcohol	112-53-8	12	140	820
1119	Dodecyl methacrylate	142-90-5	72	790	4,800
1120	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0	2	21	130
1121	Dodecylphenol, 4- (mixture of isomers)	27193-86-8	4.1	45	420
1122	Dodecylsarcosine sodium salt, N-; (N-Lauryl sarcosine sodium salt)	7631-98-3	0.59	6.5	39
1123	**Dodecyltrichlorosilane**	**4484-72-4**	**7.5**	**91**	**410**
1124	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	30	330	2,000
1125	Dysprosium	7429-91-6	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1126	Dysprosium nickelide	12175-27-8	30	330	2,000
1127	Dysprosium nitrate	10143-38-1	7.2	79	470
1128	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	15	170	990
1129	Ecolite	z-0018	16	170	1,000
1130	Emetine dihydrochloride, l-	316-42-7	9.10E-04	0.01	0.06
1131	Endosulfan	115-29-7	0.3	0.8	180
1132	Endothion	2778-04-3	1.5	17	100
1133	Endrin	72-20-8	1.8	20	2,000
1134	Epibatidine	140111-52-0	1.00E-04	0.0011	0.0068
1135	Epibromohydrin	3132-64-7	0.98	11	65
1136	**Epichlorohydrin**	**106-89-8**	**6.4**	**91**	**270**
1137	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	0.45	5	50
1138	Epoxy resin includes EPON 1001, 1007, 820, ERL-2795	25068-38-6	90	990	5,900
1139	Epoxy resin, cured; (4,4'-(1-Methylethylidene)biscyclohexanol, polymer with (chloromethyl)oxirane)	30583-72-3	30	330	2,000
1140	Epoxy resin; (Bisphenol A-Bisphenol A diglycidyl ether polymer)	25036-25-3	6	66	400
1141	Epoxy resin; (Epichlorhydrin, polymer with diethylene glycol)	25928-94-3	3.6	40	240
1142	**Epoxybutane, 1,2-; (1,2-Butylene oxide)**	**106-88-7**	**210**	**410**	**970**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1143	Epoxyethyl)-7-oxabicyclo(4.1.0)heptane, 3-(; (Vinyl cyclohexene dioxide)	106-87-6	1.7	34	200
1144	Erbium nitrate pentahydrate	10031-51-3	30	330	2,000
1145	Erbium(III) nitrate	10168-80-6	1.1	12	70
1146	Erbium(III) nitrate hexahydrate	13476-05-6	1.4	15	91
1147	Erbium(III) oxide	12061-16-4	15	170	990
1148	Ergotamine tartrate	379-79-3	0.91	10	32
1149	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	30	330	2,000
1150	Ethanaminium, N,N,N-triethyl-, iodide (1:1); (Tetraethylammoniumiodide; Ammonium, tetraethyl-, iodide)	68-05-3	0.67	1.3	7.6
1151	Ethane	74-84-0	80,000	2.80E+05	4.90E+05
1152	Ethanedioic acid, dimethyl ester	553-90-2	2	22	130
1153	Ethanedithiol, 1,2-	540-63-6	0.56	6.2	37
1154	Ethanediyl)bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	14	150	890
1155	Ethanediylbis(N-(carboxymethyl)glycine), N,N'-1,2-, dipotassium salt	2001-94-7	1.5	16	97
1156	Ethanediylbis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	30	330	2,000
1157	Ethanethiol, 2-[bis(1-methylethyl)amino]-; (Ethanethiol, 2-(Diisopropylamino)-	5842-07-9	0.016	0.18	1.1
1158	**Ethanethiol; (Ethyl mercaptan)**	**75-08-1**	**2.5**	**300**	**910**
1159	Ethanol, titanium(4+) salt	3087-36-3	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1160	Ethanolamine	141-43-5	15	420	2,500
1161	Ethenylsilanetriol triacetate	4130-08-9	30	330	2,000
1162	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	0.16	1.8	11
1163	Ethion	563-12-2	1.2	13	38
1164	Ethoxyethanol, 2-	110-80-5	55	3,700	22,000
1165	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	410	560	2,400
1166	Ethoxyethyl methacrylate, 2-	2370-63-0	120	1,300	7,900
1167	Ethoxyethylacetate, 2-	111-15-9	81	2,300	14,000
1168	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-(; (Checkmate)	74051-80-2	9.6	110	630
1169	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6	3.8	42	250
1170	Ethoxylated alcohols, C7-C21	68991-48-0	30	330	2,000
1171	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	1	11	260
1172	Ethyl (or dimethyl) pyrrolidine	z-0020	30	330	2,000
1173	Ethyl acetate	141-78-6	4,300	6,000	36,000
1174	Ethyl acetoacetate	141-97-9	12	130	790
1175	**Ethyl acrylate**	**140-88-5**	**34**	**150**	**980**
1176	**Ethyl alcohol; (Ethanol)**	**64-17-5**	**3,400**	**6,200**	28,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1177	Ethyl alcohol-d; (Ethanol-d)	925-93-9	3,500	6,300	29,000
1178	**Ethyl benzene**	**100-41-4**	**140**	**4,800**	**7,800**
1179	Ethyl benzoate	93-89-0	6.3	69	420
1180	Ethyl bromoacetate	105-36-2	1.2	13	79
1181	Ethyl butyl ketone; (3-Heptanone)	106-35-4	350	2,300	14,000
1182	Ethyl chloride; (Chloroethane)	75-00-3	790	14,000	53,000
1183	Ethyl chloroacetate	105-39-5	0.54	5.9	36
1184	**Ethyl chloroformate**	**541-41-3**	0.65	**7.1**	**21**
1185	**Ethyl dimethylamido-cyanophosphate; (Tabun; GA)**	**77-81-6**	**0.0028**	**0.035**	**0.26**
1186	Ethyl ether	60-29-7	1,500	9,700	58,000
1187	Ethyl formate	109-94-4	300	4,000	24,000
1188	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	15	140	590
1189	**Ethyl isocyanate**	**109-90-0**	0.009	**0.099**	**0.29**
1190	Ethyl lactate; (Ethyl (S)-(-)-lactate)	687-47-8	5.7	63	380
1191	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	0.04	0.53	2.6
1192	Ethyl methacrylate; (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	26	280	1,700
1193	Ethyl methylphosphonic acid; (EMPA; VX acid; Ethyl methyl phosphonate; Ethyl methyl phosphonic acid)	1832-53-7	10	110	1,600

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1194	Ethyl nitrite	109-95-5	0.33	3.6	22
1195	Ethyl O-2-diisopropylaminoethylmethylphosphonite, O-; (QL)	57856-11-8	30	330	2,000
1196	Ethyl propionate	105-37-3	26	290	1,700
1197	Ethyl S,S-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	0.14	1.6	9.3
1198	Ethyl sec-amyl ketone; (5-Methyl-3-heptanone)	541-85-5	160	2,700	16,000
1199	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	30	330	2,000
2957	**Ethyl trichlorosilane; (trichloroethylsilane)**	**115-21-9**	**4**	**49**	**220**
1200	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	41	450	540
1201	**Ethyl-1-hexanol, 2-**	**104-76-7**	**0.53**	**530**	**1,100**
1202	Ethyl-2-methylheptane, 3-	14676-29-0	1,300	2,200	29,000
1203	Ethyl-2-methyloctane, 6-	62016-19-7	1,500	2,500	32,000
1204	Ethyl-2-oxazoline, 2-	10431-98-8	120	1,300	7,900
1205	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid ethyl ester); Ethylparaben	120-47-8	31	340	2,100
1206	Ethyl-5-methylheptane, 3-	52896-90-9	1,300	2,200	29,000
1207	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3	30	330	2,000
1208	**Ethylamine; (Monoethylamine; Ethylamine anhydrous)**	**75-04-7**	**14**	**90**	**500**
1209	Ethylbenzaldehyde, 2-	22927-13-5	120	1,300	7,900

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1210	**Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine; Nitrogen mustard-1)**	**538-07-8**	0.002	**0.022**	**0.37**
1211	**Ethylchlorothioformate**	**2941-64-2**	0.13	**1.4**	**4.3**
1212	**Ethyldichloroarsine; (Dichloroethylarsine)**	**598-14-1**	0.0026	**0.029**	**0.086**
1213	Ethylene	74-85-1	690	7,600	46,000
1214	**Ethylene chlorohydrin; (2-Chloroethanol)**	**107-07-3**	0.35	**3.9**	**12**
1215	**Ethylene dibromide; (Dibromoethane)**	**106-93-4**	**130**	**180**	**350**
1216	**Ethylene dichloride; (1,2-Dichloroethane)**	**107-06-2**	**200**	**810**	**1,200**
1217	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	0.0064	0.07	0.93
1218	Ethylene glycol	107-21-1	76	100	150
1219	Ethylene glycol diacetate	111-55-7	21	230	1,400
1220	Ethylene glycol dimethacrylate	97-90-5	9.9	110	650
1221	Ethylene glycol dinitrate; ethanediol dinitrate, 1,2-	628-96-6	0.099	1.2	500
1222	Ethylene glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	1.4	3,200	19,000
1223	Ethylene glycol monomethyl ether; (2-Methoxyethanol; EGME; Methyl Cellosolve(R))	109-86-4	0.93	45	6,200
1224	Ethylene glycol monopropyl ether; (Propyl cellosolve; Ektasolve EP)	2807-30-9	9.3	100	610
1225	Ethylene glycol mono-sec-butyl ether	7795-91-7	2.4	26	160
1226	**Ethylene oxide; (Oxirane)**	**75-21-8**	9	**81**	**360**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1227	Ethylene/vinyl acetate copolmer	24937-78-8	30	330	2,000
1228	Ethylenediamine dihydrochloride	333-18-6	2.7	29	180
1229	**Ethylenediamine, 1,2-**	**107-15-3**	2.2	**24**	**49**
1230	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	11	120	730
1231	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	30	330	2,000
1232	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	97	1,100	6,300
1233	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	82	900	5,500
1234	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)	64-02-8	75	830	5,000
1235	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	4.1	45	200
1236	Ethylenedinitrilo)tetra-2-propanol, 1,1',1'',1'''-(	102-60-3	34	370	2,200
1237	**Ethyleneimine**	**151-56-4**	0.18	**8.1**	**17**
1238	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	0.085	0.94	110
1239	Ethylheptane, 4-	2216-32-2	1,200	2,000	26,000
1240	Ethylhexyl acrylate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	110	870	1,100
1241	Ethylhexyl bromide, 2-	18908-66-2	30	330	2,000
1242	**Ethylhexylchloroformate, 2-**	**24468-13-1**	0.69	**7.6**	**23**
1243	Ethylhexyloxy)ethanol, 2-(2-	1559-35-9	9.2	100	610

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1244	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	1,200	2,700	16,000
1245	**Ethylidene norbornene**	**16219-75-3**	**0.98**	**490**	**2,500**
1246	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	30	330	2,000
1247	**Ethylphosphorodichloridate**	**1498-51-7**	0.12	**1.3**	**4**
1248	**Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)**	**50782-69-9**	**1.70E-04**	**0.003**	**0.0099**
1249	Ethylthiocyanate	542-90-5	20	100	170
1250	Ethyltoluene, o-	611-14-3	20	220	1,300
1251	Ethyltoluene, p-	622-96-8	15	160	960
1252	Europium	7440-53-1	30	330	2,000
1253	Europium nitrate; (Europium trinitrate)	10138-01-9	11	130	760
1254	Europium oxide	1308-96-9	15	170	990
1255	Europium(II) iodide	22015-35-6	30	330	2,000
1256	Farnesol	4602-84-0	18	200	1,200
1257	Fatty acids, tall-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	66070-62-0	30	330	2,000
1258	Fenamiphos	22224-92-6	0.15	0.9	3.1
1259	Fensulfothion	115-90-2	0.18	2	3.1
1260	Fenthion	55-38-9	0.15	5.9	35

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1261	Ferric ammonium citrate	1185-57-5	5.4	59	360
1262	Ferric ammonium sulfate dodecahydrate	7783-83-7	26	280	1,700
1263	Ferric ammonium sulfate; (Sulfuric acid, ammonium iron(3e+) salt (2:1:1))	10138-04-2	14	160	950
1264	Ferric chloride	7705-08-0	8.7	30	180
1265	Ferric chloride hexahydrate	10025-77-1	15	39	240
1266	Ferric fluoride	7783-50-8	6.1	22	130
1267	Ferric hydroxide; (Iron(III) hydroxide)	1309-33-7	30	330	2,000
1268	Ferric nitrate	10421-48-4	13	140	850
1269	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	22	110	640
1270	Ferric phosphate	10045-86-0	8.1	89	530
1271	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	11	120	710
1272	Ferrous ammonium sulfate	10045-89-3	15	170	1,000
1273	Ferrous carbonate	563-71-3	6.2	69	410
1274	Ferrous chloride	7758-94-3	6.8	76	460
1275	Ferrous disulfide; (Iron disulfide)	12068-85-8	30	330	2,000
1276	Ferrous hydroxide; (Iron(II) hydroxide)	18624-44-7	30	330	2,000
1277	Ferrous Oxalate; (Iron(II) oxalate)	516-03-0	7.7	86	510

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1278	Ferrous sulfamate	14017-39-1	8.4	92	550
1279	Ferrous sulfate	7720-78-7	8.2	41	250
1280	Ferrous sulfate heptahydrate	7782-63-0	15	170	990
1281	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	15	170	990
1282	Fluenetil	4301-50-2	0.55	6	9.1
1283	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	8.7	97	580
1284	Fluoranthene	206-44-0	4.1	45	400
1285	Fluorene, 9H-	86-73-7	6.6	72	430
1286	Fluorides (as F)	16984-48-8	7.5	83	500
1287	**Fluorine**	**7782-41-4**	**2.6**	**7.8**	**20**
1288	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	12	130	790
1289	Fluoro-4-nitrophenol, 2-	403-19-0	12	130	790
1290	Fluoro-6-nitrophenol, 2-	1526-17-6	120	1,300	7,900
1291	Fluoroacetamide	640-19-7	0.53	5.8	19
1292	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	0.15	0.5	5
1293	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	0.043	0.47	0.93
1294	Fluoroacetyl chloride	359-06-8	0.91	10	60

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1295	Fluoroaniline, p-	371-40-4	1.3	14	83
1296	Fluorobenzene	462-06-6	30	330	1,200
1297	**Fluorosulfonic acid; (Fluorosulfuric acid)**	**7789-21-1**	**2**	**10**	**30**
1298	Fluorotrimethylsilane	420-56-4	120	1,300	7,900
1299	Fluorouracil	51-21-8	1.7	19	46
1300	Fonofos	944-22-9	0.3	1.3	53
1301	Forane	26675-46-7	160	1,700	4,600
1302	**Formaldehyde**	**50-00-0**	**1.1**	**17**	**69**
1303	Formaldehyde cyanohydrin; (Hydroxyacetonitrile; Glycolonitrile)	107-16-4	0.55	6	25
1304	Formamide	75-12-7	55	200	1,200
1305	Formetanate hydrochloride	23422-53-9	0.12	1.3	7.9
1306	**Formic acid**	**64-18-6**	**5.6**	**47**	**470**
1307	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	0.65	7.2	43
1308	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	19	210	1,300
1309	Formothion	2540-82-1	2.1	24	140
1310	Formparanate	17702-57-7	0.65	7.2	43
1311	Formylpiperidine, 1-	2591-86-8	2.7	29	180

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1312	Fosthietan	21548-32-3	0.43	4.7	28
1313	Fuberidazole	3878-19-1	0.3	3.3	15
1314	Fulminic acid; (Carbyloxime)	506-85-4	1.2	13	79
1315	**Furan**	**110-00-9**	1.7	**19**	**53**
1316	**Furancarboxaldehyde, 2-; (Furfural)**	**98-01-1**	**7.9**	**39**	**390**
1317	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	0.59	6.5	39
1318	Furfuryl alcohol	98-00-0	60	170	1,000
1319	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	0.0014	0.015	0.093
1320	Gadolinium	7440-54-2	30	330	2,000
1321	Gadolinium chloride hexahydrate	13450-84-5	2.2	24	140
1322	Gadolinium hydroxide	16469-18-4	12	130	790
1323	Gadolinium nitrate, solid	10168-81-7	11	130	750
1324	Gadolinium nitrite	z-0022	30	330	2,000
1325	Gadolinium(III) oxide	12064-62-9	15	170	990
1326	Gallic acid monohydrate	5995-86-8	18	190	1,200
1327	Gallium	7440-55-3	30	330	2,000
1328	Gallium oxide	12024-21-4	16	180	1,100

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1329	Gallium trichloride	13450-90-3	2.9	32	930
1330	Gallium trifluoride	7783-51-9	17	180	1,100
1331	**Gasoline**	**86290-81-5**	**590**	**2,900**	**12,000**
1332	**Germane; (Germanium tetrahydride)**	**7782-65-2**	0.048	**0.53**	**1.6**
1333	Germanium	7440-56-4	3.2	35	170
1334	Germanium oxide	1310-53-8	3.8	41	250
1335	Germanium tetrafluoride	7783-58-6	15	160	980
1336	Germanous acid	z-0023	30	330	2,000
1337	Giemsa's stain; (Blood stain)	51811-82-6	30	330	2,000
1338	Gluconic acid, D-	526-95-4	30	330	2,000
1339	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	90	990	5,900
1340	**Gluteraldehyde**	**111-30-8**	**0.82**	**4.1**	**20**
1341	Glycerine (mist); (Glycerol; Glycerin)	56-81-5	45	860	2,500
1342	Glycerine carbonate; (4-Hydroxymethyl-1,3-dioxolan-2-one)	931-40-8	30	330	2,000
1343	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	0.66	7.2	43
1344	Glycidaldehyde	765-34-4	1.1	13	75
1345	Glycidol; (Oxiranemethanol, 1-Propanol, 2,3-epoxy)	556-52-5	18	250	1,500

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1346	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimethoxysilane)	2530-83-8	9.3	100	230
1347	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	0.43	4.7	28
1348	Glycine; (Aminoacetic acid)	56-40-6	33	360	1,600
1349	Glycol carbonate; (Ethylene carbonate)	96-49-1	30	330	2,000
1350	Glycolic acid; (Hydroxyacetic acid)	79-14-1	25	280	390
1351	Glycols, polyethylene, dimethyl ether	24991-55-7	37	400	2,000
1352	Glycols, polyethylene, mono(p-nonylphenyl) ether	26027-38-3	4.5	49	300
1353	Glycoluril; (Acetyleneurea)	496-46-8	30	330	2,000
1354	Glyoxal; (Ethanedione, 1, 2-)	107-22-2	0.3	46	280
1355	Goethite; (Iron hydroxide oxide)	1310-14-1	30	330	2,000
1356	Gold	7440-57-5	0.46	5.1	30
1357	Graphite; (Mineral carbon)	7782-42-5	6	16	95
1358	Guanidine hydrochloride	50-01-1	1.4	16	94
1359	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	0.1	1.1	18
1360	Hafnium	7440-58-6	1.5	17	99
1361	Hafnium oxide	12055-23-1	1.8	19	120
1362	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	86	940	9,400

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1363	Hansa yellow	13515-40-7	30	330	2,000
844	**HCFC-123; (Dichloro-1,1,1-trifluoroethane, 2,2-)**	**306-83-2**	940	**6,300**	**63,000**
845	**HCFC-141b; (Dichloro-1-fluoroethane, 1,1-; Freon 141)**	**1717-00-6**	**4,800**	**8,100**	**14,000**
1364	Helium	7440-59-7	11,000	38,000	65,000
1365	Heptachlor	76-44-8	0.15	14	700
1366	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	0.15	0.5	3
1367	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4	0.013	0.14	0.85
1368	Heptachlorodibenzofuran, 1,2,3,4,7,8,9-; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7	0.013	0.14	0.85
1369	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9	0.013	0.14	0.85
1370	Heptadecane	629-78-7	43	470	2,800
1371	Heptafluorobutyric acid	375-22-4	0.5	5.5	33
1372	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	10	110	680
1373	Heptane	142-82-5	2,000	3,300	20,000
1374	Heptanoic acid	111-14-8	21	230	1,400
1375	Heptanol, 1-; (Heptyl alcohol)	111-70-6	10	120	640
1376	Heptene, 1-	592-76-7	530	5,800	35,000
1377	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	0.13	11	66

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1378	Hexachloroacetone	116-16-5	0.22	2.4	29
1379	Hexachlorobenzene	118-74-1	0.006	14	91
1380	**Hexachlorobutadiene**	**87-68-3**	**11**	**32**	**110**
1381	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	0.3	1.4	8.4
1382	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	0.3	27	160
1383	Hexachlorocylopentadiene	77-47-4	0.33	6.1	11
1384	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	0.0013	0.014	0.085
1385	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	0.0013	0.014	0.085
1386	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	0.0013	0.014	0.085
1387	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	0.0013	0.014	0.085
1388	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	0.0013	0.014	0.085
1389	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	0.0013	0.014	0.085
1390	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3	0.0013	0.014	0.085
1391	Hexachloroethane	67-72-1	29	350	2,900
1392	Hexachloronaphthalene	1335-87-1	0.6	6.6	40
1393	Hexachlorophene	70-30-4	0.17	1.8	11
1394	Hexachloropropene	1888-71-7	0.91	10	60

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1395	Hexadecanamine, 1-	143-27-1	0.66	7.2	43
1396	Hexadecane	544-76-3	35	380	2,800
1397	Hexadecanoic acid; (Palmitic acid)	57-10-3	0.19	2.1	12
1398	Hexadecanol, 1-	36653-82-4	1.6	18	110
1399	Hexadecene, 1-	629-73-2	4.2	47	280
1400	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	0.06	0.66	4
1401	Hexadecyltrimethylammonium chloride	112-02-7	1.1	12	70
1402	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	9.1	100	600
1403	**Hexafluoroacetone**	**684-16-2**	0.13	**1.4**	**540**
1404	Hexafluorobenzene	392-56-3	50	550	3,300
1405	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	0.36	3.9	24
1406	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	580	6,400	38,000
1407	**Hexafluoropropylene; (Hexafluoropropene)**	**116-15-4**	**250**	**560**	**2,900**
1408	Hexafluoropropylene-vinylidene fluoride polymer; (Viton)	9011-17-0	30	330	2,000
1409	Hexamethylcyclotrisiloxane	541-05-9	12	130	790
1410	Hexamethyldisilazane	999-97-3	2.5	28	170
1411	Hexamethyldisiloxane	107-46-0	84	930	970

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1412	Hexamethylene diisocyanate polymer	28182-81-2	7.8	86	510
1413	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	0.13	1.4	20
1414	Hexamethyleneimine	111-49-9	5.7	63	380
1415	Hexamethylenetetraamine hydrochloride	58713-21-6	30	330	2,000
1416	Hexamethylenetetraamine; (Methenamine)	100-97-0	55	610	3,600
1417	Hexamethylphosphoramide	680-31-9	2.5	27	130
1418	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	12	130	790
1419	Hexanal	66-25-1	25	270	350
1420	**Hexane**	**110-54-3**	910	**10,000**	**30,000**
1421	Hexanediol diacrylate, 1,6-	13048-33-4	3	170	990
1422	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	30	610	730
1423	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	120	1,400	2,700
1424	Hexanenitrile	628-73-9	0.76	8.4	50
1425	Hexanethiol, 1-; (N-Hexylmercaptan)	111-31-9	0.22	2.4	230
1426	Hexanoic acid; (caproic acid)	142-62-1	2.2	24	140
1427	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	12	130	790
1428	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	43	470	2,400

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1429	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	41	3,300	20,000
1430	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	11	120	700
1431	Hexanoyl chloride	142-61-0	1.2	13	79
1432	Hexaphenylcyclotrisiloxane	512-63-0	12	130	790
1433	**Hexene, 1-**	**592-41-6**	520	**1,700**	**17,000**
1434	Hexylene glycol	107-41-5	11	120	730
1435	**Hexyltrichlorosilane**	**928-65-4**	**5.4**	**66**	**300**
2812	**HFC 134a; (Tetrafluoroethane, 1,1,1,2-)**	**811-97-2**	**33,000**	**54,000**	**1.10E+05**
1436	**HFO-1234yf; 2,3,3,3-Tetrafluoropropene**	**754-12-1**	10,000	**1.10E+05**	6.60E+05
1437	**HFO-1234ze; 1,3,3,3-Tetrafluoropropylene**	**29118-24-9**	6,400	**70,000**	**3.20E+05**
1438	Holmium	7440-60-0	12	130	790
1439	Holmium trioxide	12055-62-8	30	330	2,000
1440	Humic acid, sodium salt	68131-04-4	3	33	200
1441	**Hydrazine**	**302-01-2**	**0.13**	**17**	**46**
1442	Hydrazine hydrate; (Hydrazine monohydrate; aqueous solutions - 10217-52-4)	7803-57-8	0.16	20	55
1443	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	0.38	4.2	25
1444	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	0.3	39	100

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1445	Hydrazine sulfate	10034-93-2	1.4	15	120
1446	Hydrazine, dihydrochloride	5341-61-7	1.8	20	120
1447	**Hydriodic acid; (Hydrogen iodide)**	**10034-85-2**	**5.2**	**130**	**630**
1448	**Hydrobromic acid; (Hydrogen bromide)**	**10035-10-6**	**3.3**	**130**	**400**
1449	Hydrogen	1333-74-0	5,400	19,000	33,000
1450	**Hydrogen chloride; (Hydrochloric acid)**	**7647-01-0**	**2.7**	**33**	**150**
1451	**Hydrogen cyanide; (Hydrocyanic acid)**	**74-90-8**	**2.2**	**7.8**	**17**
1452	**Hydrogen fluoride; (Hydrofluoric acid)**	**7664-39-3**	**0.82**	**20**	**36**
1453	**Hydrogen peroxide**	**7722-84-1**	**14**	**70**	**140**
1454	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	9.6	110	630
1455	**Hydrogen selenide**	**7783-07-5**	0.15	**0.36**	**1.1**
1456	**Hydrogen sulfide**	**7783-06-4**	**0.71**	**38**	**70**
1457	Hydrogenated terphenyl	61788-32-7	18	580	3,500
1458	Hydroquinone	123-31-9	3	20	120
1459	Hydroxy-2-methylpropanoic acid, 2-; (2-Methyllactic acid)	594-61-6	30	330	2,000
1460	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	12	130	810
1461	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	710	1,700	10,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1462	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	190	2,100	12,000
1463	Hydroxybenezenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	10	120	690
1464	Hydroxybenzoic acid, 4-; (p-Salicylic acid)	99-96-7	15	110	240
1465	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	20	220	1,300
1466	Hydroxyethyl acrylate, 2-; (Acrylic acid, 2-hydroxyethyl ester)	818-61-1	0.49	5.4	100
1467	Hydroxyethyl methacrylate, 2-	868-77-9	1.9	21	1,000
1468	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	30	330	2,000
1469	Hydroxyethylenediaminetriacetic acid, N-	150-39-0	2	22	130
1470	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidine bisphosphonic acid, 1-)	2809-21-4	7.2	79	480
1471	Hydroxylamine	7803-49-8	0.35	3.9	23
1472	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	0.42	4.7	28
1473	Hydroxylamine nitrate	13465-08-2	0.24	37	140
1474	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	2.8	31	190
1475	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	6.6	72	430
1476	Hydroxy-N-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	30	330	2,000
1477	Hydroxyphenyl)benzothiazole, 2-(2-	3411-95-8	17	190	1,100
1478	Hydroxyphenylacetic acid, alpha-	90-64-2	25	270	1,600

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1479	Hydroxyquinoline sulfate, 8-	134-31-6	3.6	40	240
1480	Hypophosphorous acid-d3; (Hydrophosphorus acid-d3 solution, 50 wt.% in D2O)	57583-56-9	30	330	2,000
1481	Hypophosphorus acid; (Phosphonic acid)	6303-21-5	30	330	2,000
1482	Imidazole	288-32-4	0.66	7.3	44
1483	Imidazole hydrochloride	1467-16-9	12	130	790
1484	Iminodiacetic acid	142-73-4	0.82	9	54
1485	Iminodiacetic acid, disodium salt hydrate	17593-73-6	12	130	790
1486	Indan	496-11-7	20	220	1,300
1487	Indene	95-13-6	71	100	620
1488	Indeno(1,2,3-cd)pyrene	193-39-5	1.2	13	79
1489	Indigo carmine; (FD&C blue No 2)	860-22-0	6	66	400
1490	Indium	7440-74-6	0.3	3.3	20
1491	Indium oxide (vapor); (Diindium monoxide)	12030-22-7	0.33	3.6	22
1492	Indium sulfate	13464-82-9	0.68	7.6	46
1493	Indium trichloride	10025-82-8	0.58	6.3	38
1494	Indium(III) oxide	1312-43-2	0.36	4.8	29
1495	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	2.6	29	170

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1496	Iodic acid	7782-68-5	0.15	1.7	10
1497	**Iodine**	**7553-56-2**	**1**	**5.2**	**52**
1498	Iodine 125	17144-19-3	1	5.1	51
1499	Iodobenzene	591-50-4	5.4	59	360
1500	Iodoethane; (Ethyl iodide)	75-03-6	14	150	900
1501	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	210	2,400	14,000
1502	Iodopentane, 1-	628-17-1	0.38	63	380
1503	Iotalamic acid	2276-90-6	120	1,300	7,800
1504	Iridium	7439-88-5	4.7	51	310
1505	Iron	7439-89-6	3.2	35	150
1506	Iron carbide	12011-67-5	16	180	1,100
1507	Iron hydroxide oxide	20344-49-4	24	260	1,600
1508	Iron oxide; (Ferric oxide)	1309-37-1	15	360	2,200
1509	**Iron pentacarbonyl**	**13463-40-6**	0.044	**0.48**	**1.4**
1510	Iron sulfide	1317-37-9	30	330	2,000
1511	Iron(II) chloride tetrahydrate	13478-10-9	11	120	710
1512	Iron(II) oxide; (Ferrous oxide)	1345-25-1	45	500	3,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1513	Iron(II) perchlorate hexahydrate	13520-69-9	19	210	1,200
1514	Iron(II,III) oxide; (Ferrosoferric oxide)	1317-61-9	21	230	1,400
1515	Iron(III) perchlorate	13537-24-1	19	210	1,200
1516	Iron(III) sulfate heptahydrate	35139-28-7	28	310	1,900
1517	Isoamyl acetate; (Isopentyl acetate)	123-92-2	530	2,700	16,000
1518	Isoamyl alcohol (primary); (3-Methyl-1-butanol); includes Isoamyl alcohol (584-02-1), 2-pentanol (6032-29-7), amyl alcohol (71-41-0), and 2-methyl-2-butanol (75-85-4)	123-51-3	450	6,000	36,000
1519	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	2.3	25	150
1520	Isobenzan	297-78-9	0.01	0.11	0.66
1521	Isobutanol-2-amine	124-68-5	17	190	570
1522	Isobutyl acetate	110-19-0	2,100	6,000	36,000
1523	Isobutyl alcohol	78-83-1	450	4,000	24,000
1524	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	120	1,300	7,900
1525	**Isobutyl chloroformate**	**543-27-1**	3.3	**12**	**37**
1526	Isobutyl isobutyrate	97-85-8	23	250	1,500
1527	Isobutylamine	78-81-9	18	30	45
1528	Isobutyraldehyde	78-84-2	220	230	1,400
1529	Isobutyric acid	79-31-2	0.84	9.2	55

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1530	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	1.2	13	79
1531	**Isobutyronitrile**	**78-82-0**	0.51	**5.6**	**17**
1532	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	6	8.3	50
1533	**Isocyanatoethyl methacrylate, 2-**	**30674-80-7**	0.057	**0.63**	**6.3**
1534	Isocyanic acid	75-13-8	3.5	12	26
1535	Isocyanic acid, 3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	1.3	14	120
1536	Isodrin	465-73-6	0.64	7	42
1537	Isonate 181 MDI prepolymer	z-0113	0.45	5.5	55
1538	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	1,100	3,800	23,000
1539	Isopentane; (Ethyldimethylmethane; 2-Methylbutane)	78-78-4	8,800	96,000	5.70E+05
1540	Isophorone	78-59-1	68	180	1,100
1541	Isophorone diisocyanate	4098-71-9	0.18	1.23	5.4
1542	Isophthalic acid; (Phthalic acid, m isomer)	121-91-5	30	340	2,100
1543	**Isoprene**	**78-79-5**	**14**	**2,800**	**11,000**
1544	Isopropyl acetate	108-21-4	840	11,000	67,000
1545	Isopropyl alcohol	67-63-0	980	4,800	29,000
1546	Isopropyl chloride; (2-Chloropropane)	75-29-6	480	880	5,300

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1547	**Isopropyl chloroformate; (Isopropyl chlorocarbonate)**	**108-23-6**	1.5	**17**	**50**
1548	Isopropyl ether; (Diisopropyl ether)	108-20-3	1,300	7,000	42,000
1549	**Isopropyl methanefluoro-phosphonate; (Sarin; GB)**	**107-44-8**	**0.0027**	**0.034**	**0.13**
1550	Isopropyl nitrate	1712-64-7	64	210	1,300
1551	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	22	250	1,500
1552	Isopropylamine; (2-Propanamine)	75-31-0	24	1,600	9,700
1553	Isopropylmagnesium chloride; (Chloro(1-methylethyl)magnesium)	1068-55-9	1.2	13	79
1554	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	0.51	5.6	34
1555	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	120	1,300	1,900
1556	Jeffamine M-600	77110-54-4	30	330	2,000
1557	**Jet fuels, (JP-5 and JP-8)** **Kerosene (8008-20-6); (Fuel Oil No. 1)**	**70892-10-3**	**290**	**1,100**	4,100
1558	Kepone; (Chlordecone)	143-50-0	1.6	17	100
1559	**Ketene;** **(Carbomethene, Ethenone)**	**463-51-4**	0.01	**0.11**	**0.33**
1560	Krypton	7439-90-9	2.20E+05	7.90E+05	1.40E+06
1561	Lactic acid, sodium salt, DL-; (Propanoic acid, 2-hydroxy-, monosodium salt)	312-85-6	30	330	2,000
1562	Lactonitrile	78-97-7	0.24	2.6	16
1563	Lanthanum	7439-91-0	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1564	Lanthanum alizarin	z-0026	30	330	2,000
1565	Lanthanum boride	12008-21-8	30	330	2,000
1566	Lanthanum carbonate	6487-39-4	30	330	2,000
1567	Lanthanum chloride	10099-58-8	7.1	78	470
1568	Lanthanum fluoride	13709-38-1	26	280	1,700
1569	Lanthanum hydroxide	14507-19-8	1.2	13	79
1570	Lanthanum nitrate	10099-59-9	14	150	890
1571	Lanthanum oxide	1312-81-8	4	44	270
1572	Lanthanum phosphate	14913-14-5	12	130	790
1573	Lanthanum(III) nitrate hexahydrate	10277-43-7	1.3	15	89
1574	Laromin C 260; (bis(4-Amino-3-methylcyclohexyl) methane; Dimethyldicyane)	6864-37-5	0.28	3.1	19
1575	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	3.9	43	260
1576	Lead	7439-92-1	0.15	120	700
1577	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	14	150	920
1578	Lead acetate, basic; (Lead subacetate)	1335-32-6	5.4	59	360
1579	Lead acetate; (Lead diacetate)	301-04-2	5	55	330
1580	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	7	77	460

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1581	Lead arsenate; (Trilead diarsenate)	3687-31-8	9.1	100	600
1582	Lead bromide	10031-22-8	0.27	200	1,200
1583	Lead carbonate	598-63-0	0.19	24	900
1584	Lead chloride	7758-95-4	0.2	160	940
1585	Lead chromate	7758-97-6	0.036	16	97
1586	Lead dioxide	1309-60-0	0.17	140	810
1587	Lead fluoborate	13814-96-5	0.28	220	1,300
1588	Lead fluoride	7783-46-2	0.18	140	830
1589	Lead hydroxide	19783-14-3	0.17	140	810
1590	Lead iodide	10101-63-0	0.33	270	1,600
1591	Lead nitrate	10099-74-8	0.24	180	1,100
1592	Lead nitrite	13826-65-8	0.22	170	1,000
1593	Lead oxalate	814-93-7	11	120	700
1594	Lead oxide; (Lead monoxide)	1317-36-8	0.16	130	750
1595	Lead phosphate	7446-27-7	0.2	150	910
1596	Lead sulfate; (Sulfuric acid, lead(2+) salt (1:1))	7446-14-2	0.22	170	1,000
1597	Lead sulfide	1314-87-0	0.17	140	810

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1598	Lead tetroxide	1314-41-6	0.17	130	770
1599	Lead(II) arsenite	10031-13-7	4.2	47	280
1600	Lead(II) perchlorate trihydrate	13453-62-8	0.33	270	1,600
1601	Leco set 7007 powder	z-0027	30	330	2,000
1602	Leptophos; (Fosvel)	21609-90-5	2.7	30	53
1603	**Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)**	**40334-69-8**	0.023	**0.25**	**0.74**
1604	**Lewisite 3; (Tris(2-chlorovinyl)arsine)**	**40334-70-1**	0.023	**0.25**	**0.74**
1605	Lignosulfonate (aqueous)	8062-15-5	30	330	2,000
1606	Limestone; (Calcium carbonate; Dolomite)	1317-65-3	45	500	3,000
1607	Limonene, d-	5989-27-5	84	370	940
1608	Lindane; (gamma-Benzenehexachloride)	58-89-9	9.1	100	1,000
1609	Liquified petroleum gas; (L.P.G.)	68476-85-7	1.20E+05	4.10E+05	7.20E+05
1610	Lithium	7439-93-2	3.3	36	220
1611	Lithium acetate dihydrate	6108-17-4	3.2	36	210
1612	Lithium aluminate	12003-67-7	37	400	2,400
1613	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	28	310	1,800
1614	Lithium aluminum silicate; (Petalite)	1302-66-5	34	360	2,200

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1615	Lithium azide	19597-69-4	30	330	2,000
1616	Lithium borohydride; (Lithium tetrahydroborate)	16949-15-8	2.2	24	150
1617	Lithium bromide	7550-35-8	3	15	360
1618	Lithium carbonate	554-13-2	0.44	4.8	100
1619	Lithium chloride	7447-41-8	1	11	47
1620	Lithium chromate; (Lithium chromium oxide)	14307-35-8	0.37	6.5	39
1621	Lithium deuteride	13587-16-1	0.025	0.1	0.5
1622	Lithium diisopropylamide; (LDA)	4111-54-0	30	330	2,000
1623	Lithium fluoride	7789-24-4	10	110	680
1624	Lithium hexafluorophosphate	21324-40-3	7.5	83	500
1625	**Lithium hydride**	**7580-67-8**	**0.025**	**0.1**	**0.5**
1626	Lithium hydroxide	1310-65-2	0.091	1	42
1627	Lithium hydroxide monohydrate	1310-66-3	0.16	1.8	74
1628	Lithium iodide	10377-51-2	30	330	2,000
1629	Lithium metaborate, anhydrous	13453-69-5	6	77	460
1630	Lithium molybdate	13568-40-6	2.7	30	180
1631	Lithium niobium oxide; (Lithium niobate)	12031-63-9	32	350	2,100

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1632	Lithium nitrate	7790-69-4	0.25	2.7	16
1633	Lithium nitride	26134-62-3	30	330	2,000
1634	Lithium nitrite	13568-33-7	30	330	2,000
1635	Lithium oxide	12057-24-8	0.091	1	6
1636	Lithium perchlorate, anhydrous	7791-03-9	1.2	13	79
1637	Lithium silicon	68848-64-6	46	500	3,100
1638	Lithium stearate	4485-12-5	45	500	3,000
1639	Lithium sulfate	10377-48-7	0.29	3.2	130
1640	Lithium tetraborate	12007-60-2	4.3	47	280
1641	Lithium tetraborate pentahydrate	1303-94-2	6.6	72	430
1642	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	8.4	92	550
1643	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6	30	330	2,000
1644	Lithium triethylborohydride; (Super-hydride)	22560-16-3	1.2	13	79
1645	Lubricating oil, rerefined	68476-77-7	30	330	2,000
1646	Lutetium	7439-94-3	30	330	2,000
1647	Lutetium oxide	12032-20-1	30	330	2,000
1648	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	130	1,500	8,900

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1649	Magnesium	7439-95-4	18	200	1,200
1650	Magnesium acetate	142-72-3	26	280	1,700
1651	Magnesium acetate tetrahydrate	16674-78-5	46	490	3,000
1652	**Magnesium aluminum phosphide**	**z-0116**	0.48	**5.3**	**9.5**
1653	Magnesium carbonate hydroxide	7760-50-1	30	330	2,000
1654	Magnesium carbonate; (Magnesite)	546-93-0	45	260	1,600
1655	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	45	500	3,000
1656	Magnesium chloride	7786-30-3	11	120	550
1657	Magnesium chloride hexahydrate	7791-18-6	34	370	1,600
1658	Magnesium ethoxide	2414-98-4	30	330	2,000
1659	Magnesium fluoride	7783-40-6	12	140	820
1660	Magnesium formate	557-39-1	30	330	2,000
1661	Magnesium hydroxide	1309-42-8	26	280	1,700
1662	Magnesium iodate tetrahydrate	7790-32-1	30	330	2,000
1663	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	30	330	2,000
1664	Magnesium oxide	1309-48-4	30	120	730
1665	**Magnesium phosphide**	**12057-74-8**	0.5	**5.5**	**9.9**

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1666	Magnesium silicate hydrate	1343-90-4	30	330	2,000
1667	Magnesium silicate; (Florisil)	1343-88-0	30	330	2,000
1668	Magnesium sulfate (1:1)	7487-88-9	20	220	1,300
1669	Magnesium sulfate heptahydrate	10034-99-8	10	110	660
1670	Magnesium(II) nitrate (1:2), hexahydrate	13446-18-9	16	180	1,100
1671	**Malathion**	**121-75-5**	**15**	**120**	**390**
1672	Maleic acid	110-16-7	2.1	23	140
1673	Maleic acid, disodium salt	371-47-1	13	150	880
1674	**Maleic anhydride**	**108-31-6**	**0.8**	**8**	**80**
1675	Maleic hydrazide; (3,6-Pyridazinedione, 1,2-dihydro-)	123-33-1	11	130	750
1676	Malic acid; (Malic acid, DL)	6915-15-7	4.8	53	320
1677	Malonic acid; (Carboxyacetic acid)	141-82-2	20	230	590
1678	Mancozeb; (Dithane M-45)	8018-01-7	3	56	990
1679	Manganese	7439-96-5	3	5	1,800
1680	Manganese carbonate	598-62-9	6.3	10	60
1681	Manganese dioxide	1313-13-9	4.7	7.9	690
1682	Manganese hydroxide	18933-05-6	4.9	8.1	49

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1683	Manganese nitrite	18488-90-9	8	13	78
1684	Manganese oxalate	640-67-5	7.8	13	78
1685	Manganese oxide; (Manganese tetroxide)	1317-35-7	4.2	6.9	41
1686	Manganese phosphate	10124-54-6	6.5	11	66
1687	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	0.3	0.6	6.9
1688	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	6.9	11	170
1689	Manganese(II) chloride tetrahydrate	13446-34-9	11	18	290
1690	Manganese(II) nitrate	10377-66-9	9.8	16	96
1691	Manganese(II) nitrate hydrate	15710-66-4	11	18	110
1692	Manganese(II) sulfate monohydrate	10034-96-5	9.2	15	90
1693	Manganese(III) oxide	1317-34-6	4.3	7.2	43
1694	Manganese(VII) oxide	12057-92-0	6.1	10	60
1695	Manganous oxide; (Manganese(II) oxide)	1344-43-0	3.9	6.5	39
1696	Manganous sulfate	7785-87-7	8.2	14	430
1697	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	4.8	7.9	47
1698	Mastic (resin)	61789-92-2	2.3	25	1,300
1699	Melamine	108-78-1	30	340	630

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1700	Memtetrahydrophthalic anhydride; (Tetrahydrophthalic anhydride)	85-43-8	16	180	1,100
1701	Mephosfolan	950-10-7	0.82	9	54
1702	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	11	130	750
1703	Mercaptobenzoic acid, o-	147-93-3	0.16	1.8	11
1704	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4	15	27	56
1705	Mercaptoethanol, 2-	60-24-2	1.9	11	92
1706	Mercaptopropionic acid, 3-	107-96-0	0.29	3.2	19
1707	Mercuric acetate	1600-27-7	0.048	0.064	3.2
1708	Mercuric cyanide	592-04-1	0.094	0.13	35
1709	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	0.17	0.23	63
1710	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	0.11	0.15	41
1711	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	0.12	0.16	44
1712	Mercuric trifluoroacetate	13257-51-7	0.064	0.085	4.3
1713	Mercurol; (Mercury nucleate)	12002-19-6	1.2	13	79
1714	Mercurous chloride; (Mercury monochloride)	7546-30-7	0.088	0.12	33
1715	Mercurous nitrate monohydrate	7782-86-7	0.11	0.14	39
1716	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	0.098	0.13	37

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1717	Mercurous oxide; (Mercury(I) oxide)	15829-53-5	0.078	0.1	29
1718	Mercury hydroxide	12135-13-6	0.088	0.12	33
1719	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	0.12	0.16	45
1720	Mercury nitrite; (Mercury(II) nitrite)	18541-72-5	0.11	0.15	41
1721	**Mercury vapor**	**7439-97-6**	0.15	**1.7**	**8.9**
1722	Mercury(I) chloride; (Dimercury dichloride)	10112-91-1	0.088	0.12	33
1723	Mercury(II) chloride; (Mercury bichloride)	7487-94-7	0.1	0.14	38
1724	Mercury(II) nitrate monohydrate	7783-34-8	0.13	0.17	48
1725	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	1.5	16	30
1726	**Mesitylene; (1,3,5-Trimethylbenzene)**	**108-67-8**	**690**	**1,800**	2,400
1727	Metaphosphoric acid	37267-86-0	30	330	2,000
1728	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	0.18	2	12
1729	**Methacrylaldehyde**	**78-85-3**	**0.57**	**0.95**	**10**
1730	Methacrylamide	79-39-0	1.3	15	91
1731	**Methacrylic acid**	**79-41-4**	**24**	**210**	**770**
1732	Methacrylic acid, diester with triethylene glycol; (Polyester TGM3)	109-16-0	33	360	2,100
1733	Methacrylic anhydride	760-93-0	0.41	4.5	16

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1734	**Methacrylonitrile; (Methylacrylonitrile)**	**126-98-7**	0.25	**2.7**	**8.5**
1735	Methacryloyl chloride	920-46-7	0.055	0.6	2.6
1736	Methamidophos	10265-92-6	0.11	1.2	7.1
1737	Methane	74-82-8	43,000	1.50E+05	2.60E+05
1738	Methane-d3	676-80-2	51,000	1.80E+05	3.10E+05
1739	Methanesulfonic acid	75-75-2	0.99	11	65
1740	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	2.1	23	140
1741	**Methanesulfonyl chloride**	**124-63-0**	0.089	**0.98**	**2.9**
1742	Methanesulfonyl fluoride	558-25-8	0.071	0.78	4.7
1743	Methidathion; (O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolinyl-3-methyl)dithiophosphate)	950-37-8	1.8	20	160
1744	Methiocarb; (Mercaptodimethur)	2032-65-7	1.4	15	90
1745	Methomyl	16752-77-5	0.91	10	23
1746	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	21	230	300
1747	Methoxybenzyl alcohol, 4-	105-13-5	2.2	25	260
1748	Methoxychlor	72-43-5	30	150	4,500
1749	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	17	180	1,100
1750	Methoxyethylamine, 2-	109-85-3	1.3	14	87

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1751	Methoxyethylmercuric acetate	151-38-2	0.048	0.064	3.2
1752	Methoxyphenol, p-	150-76-5	15	49	320
1753	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	55	340	2,100
1754	Methoxytrimethylsilane	1825-61-2	51	550	3,400
1755	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	2.7	3.9	23
1756	Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone)	872-50-4	120	130	780
1757	Methyl acetate	79-20-9	760	5,000	30,000
1758	Methyl acetylene	74-99-7	380	4,200	25,000
1759	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	4,100	8,200	49,000
1760	Methyl acrylate	96-33-3	21	580	3,500
1761	**Methyl alcohol; (Methanol)**	**67-56-1**	**690**	**2,700**	**9,400**
1762	Methyl alcohol-d	1455-13-6	720	2,800	9,700
1763	Methyl alcohol-d4	811-98-3	780	3,100	11,000
1764	Methyl benzoate; (Benzoic acid, methyl ester)	93-58-3	5.9	65	230
1765	**Methyl bromide; (Bromomethane)**	**74-83-9**	74	**810**	**2,900**
1766	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	19	210	1,300
1767	**Methyl chloride**	**74-87-3**	**310**	**1,900**	**6,200**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1768	**Methyl chloroformate; (Methyl chlorocarbonate)**	**79-22-1**	2.3	**8.5**	**26**
1769	**Methyl chlorosilane; (Chloromethylsilane)**	**993-00-0**	**5.9**	**72**	**330**
1770	**Methyl cyclohexylfluorophosphonate; (GF)**	**329-99-7**	**0.0015**	**0.018**	**0.13**
1771	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	1.8	20	120
1772	**Methyl dichlorosilane; (Dichloromethylsilane)**	**75-54-7**	**4.2**	**52**	**240**
1773	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	0.38	4.1	25
1774	Methyl ether; (Dimethyl ether)	115-10-6	5,700	7,200	14,000
1775	Methyl ethyl ketone peroxide	1338-23-4	13	140	160
1776	Methyl fluoride; (Fluoromethane)	593-53-3	13	150	900
1777	Methyl fluoroacetate	453-18-9	0.036	0.39	1.4
1778	Methyl fluorosulfate	421-20-5	0.0098	0.11	0.65
1779	Methyl formate; (Formic acid, methyl ester)	107-31-3	250	2,000	12,000
1780	**Methyl iodide**	**74-88-4**	**150**	**290**	**730**
1781	Methyl isobutyl ketone; (Hexone)	108-10-1	310	2,000	12,000
1782	**Methyl isocyanate**	**624-83-9**	**0.058**	**0.16**	**0.47**
1783	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	210	2,300	14,000
1784	**Methyl isothiocyanate; (Isothiocyanatomethane)**	**556-61-6**	**0.81**	**51**	**150**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1785	Methyl lithium	917-54-4	1.2	13	79
1786	**Methyl mercaptan**	**74-93-1**	**0.0098**	**45**	**130**
1787	Methyl mercury	22967-92-6	0.032	0.043	2.1
1788	**Methyl methacrylate**	**80-62-6**	**70**	**490**	**2,300**
1789	Methyl n-amyl ketone	110-43-0	700	3,200	19,000
1790	Methyl nitrate; (Nitric acid, methyl ester)	598-58-3	2.7	30	180
1791	**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**
1792	**Methyl parathion**	**298-00-0**	0.11	**1.2**	**3.5**
1793	Methyl phencapton	3735-23-7	1	11	44
1794	Methyl phosphonic dichloride	676-97-1	0.13	1.4	6.2
1795	Methyl phosphonothioic dichloride	676-98-2	1.2	13	79
1796	Methyl pyridine, 3-; (3-Picoline)	108-99-6	19	190	1,100
1797	Methyl salicylate	119-36-8	14	160	930
1798	Methyl sulfoxide-d6; (Dimethyl-d6-sulfoxide)	2206-27-1	520	1,000	6,200
1799	**Methyl tert-butyl ether; (MTBE)**	**1634-04-4**	**180**	**2,100**	**19,000**
1800	Methyl thiocyanate	556-64-9	51	85	420

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1801	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	0.26	2.8	17
1802	**Methyl vinyl ketone; (3-Buten-2-one)**	**78-94-4**	**0.49**	**3.4**	**6.9**
1803	Methyl-1-butene, 2-	563-46-2	120	1,300	7,900
1804	Methyl-1H-benzotriazole	29385-43-1	2	22	130
1805	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	11	120	690
1806	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	16	170	1,000
1807	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	0.03	0.33	2
1808	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	2.9	32	190
1809	Methyl-2-butene, 2-; (Amylene)	513-35-9	12	130	790
1810	Methyl-2-chloroacrylate	80-63-7	0.45	5	17
1811	Methyl-2-heptanone, 6-	928-68-7	30	330	2,000
1812	Methyl-2-hexanone, 5-; (Methyl isoamyl ketone)	110-12-3	230	320	900
1813	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	100	3,300	20,000
1814	Methyl-4-penten-2-one, 4-	3744-02-3	100	3,300	20,000
1815	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	3	19	110
1816	Methyl-5-vinylpyridine, 2-	140-76-1	0.17	1.9	6.6
1817	Methyl-8-quinolinol, 2-	826-81-3	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1818	Methylal; (Dimethoxymethane)	109-87-5	710	7,800	47,000
1819	Methylamine hydrochloride	593-51-1	2.7	30	320
1820	Methylamino)ethanol, 2-(	109-83-1	7	77	460
1821	Methylaniline, N-	100-61-8	6.6	73	440
1822	Methylaziridine, 1-	1072-44-2	0.14	1.5	9
1823	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	1.7	19	110
1824	Methylbutylamine, N-	110-68-9	4.6	51	310
1825	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7	0.3	3.3	20
1826	Methylcholanthrene, 3-	56-49-5	0.2	2.3	29
1827	Methylcyclohexane	108-87-2	4,800	6,700	40,000
1828	Methylcyclohexanone	1331-22-2	70	770	4,600
1829	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	340	1,800	11,000
1830	Methylcyclopentane	96-37-7	49	540	3,200
1831	Methyldecane, 4-	2847-72-5	42	470	2,800
1832	**Methyldichloroarsine; (Dichloromethylarsine)**	**593-89-5**	0.0048	**0.053**	**0.16**
1833	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	0.33	10	230
1834	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	0.16	3.1	18

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1835	**Methylene chloride; (Dichloromethane)**	**75-09-2**	**690**	**1,900**	**24,000**
1836	**Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)**	**101-68-8**	0.45	**5**	**55**
1837	Methylene fluoride; (Difluoromethane; HFC-32)	75-10-5	6,400	14,000	83,000
1838	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5	29	40	240
1839	Methylenebisacrylamide, N,N'-	110-26-9	0.64	7.1	77
1840	Methylenedianiline, 4,4'-	101-77-9	0.81	27	160
1841	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	30	330	2,000
1842	Methylformamide, N-	123-39-7	12	140	530
1843	Methylfuran, 2-	534-22-5	1.1	12	74
1844	Methylheptane, 2-	592-27-8	1,100	1,800	23,000
1845	Methylheptane, 4-	589-53-7	1,100	1,800	23,000
1846	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2	30	330	2,000
1847	Methylimidazole, 1-	616-47-7	2.3	25	150
1848	Methylimidazole, 4-	822-36-6	10	110	150
1849	Methyllactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	12	130	790
1850	**Methyllactonitrile, 2-; (Acetone cyanohydrin)**	**75-86-5**	**7**	**25**	**52**
1851	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	1.2	13	79

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1852	Methylmagnesium chloride	676-58-4	1.2	13	79
1853	Methylmercuric dicyanamide	502-39-6	0.045	0.06	3
1854	Methylmorpholine, 4-	109-02-4	5.4	59	350
1855	Methylnaphthalene, 1-	90-12-0	20	61	360
1856	Methylnaphthalene, 2-	91-57-6	9	54	320
1857	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	160	1,700	10,000
1858	Methylnonane, 4-	17301-94-9	1,300	2,200	29,000
1859	Methylpentane, 2-; (Isohexane)	107-83-5	3,500	39,000	2.30E+05
1860	Methylpentane, 3-	96-14-0	3,500	39,000	2.30E+05
1861	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	0.37	4	280
1862	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	4.5	50	300
1863	Methylphosphonate	993-13-5	30	330	2,000
1864	Methylphosphonothioic acid, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	0.73	8	48
1865	Methylphosphonothioic acid-, O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	0.91	10	60
1866	Methylphosphonothioic acid, S-(2-(dimethylamino)ethyl) O-ethyl ester	20820-80-8	0.049	0.54	3.2
1867	Methylpropane, 2-; (Isobutane)	75-28-5	13,000	40,000	1.30E+05
1868	Methylpropene, 2-; (Isobutene)	115-11-7	1,700	5,800	24,000

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1869	Methylpyridine, 2-; (2-Picoline)	109-06-8	19	29	180
1870	Methylpyrrole, N-	96-54-8	120	1,300	7,900
1871	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	0.58	6.4	39
1872	Methylstyrene, alpha-	98-83-9	480	4,000	24,000
1873	Methyltetrahydrofuran, 2-	96-47-9	14	160	930
1874	Methyltriacetoxysilane	4253-34-3	6.2	68	410
1875	**Methyltrichlorosilane; (Trichloromethyl silane)**	**75-79-6**	**3.7**	**45**	**200**
1876	Methyltriethoxysilane	2031-67-6	24	260	1,600
1877	Methyl-trifluoromethanesulfonate	333-27-7	22	230	1,400
1878	Methyltrimethoxysilane	1185-55-3	38	410	2,500
1879	Methyltrioctylammonium chloride	5137-55-3	0.67	7.4	44
1880	**Methylvinyldichlorosilane; (Dichloromethylvinylsilane)**	**124-70-9**	**5.2**	**63**	**290**
1881	Methylvinylsiloxane-dimethylsiloxane copolymer, vinyl terminated	68083-18-1	30	330	2,000
1882	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	0.44	4.8	21
1883	Mevinphos; (Phosdrin)	7786-34-7	0.3	4	40
1884	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	1.3	14	84
1885	Mica; (mica silicates)	12001-26-2	9	99	590

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1886	Michler's ketone; (4,4'-Bis(dimethylamino)benzophenone)	90-94-8	30	330	2,000
1887	Microcystins	101043-37-2	9.00E-04	0.0099	0.048
1888	Mineral fibers, fine	z-0032	30	330	2,000
1889	Mineral oil, heavy or light; (paraffin oil; Deobase, deodorized; heavy paraffinic; heavy naphthenic); distillates; includes 64741-53-3, 64741-88-4, 8042-47-5, 8012-95-1; 64742-54-7	8020-83-5	140	1,500	8,900
1890	Mirex; (Perchloropentacyclodecane)	2385-85-5	6.3	69	410
1891	Modeccin toxin; (Adenia digitata toxin)	65988-88-7	5.40E-06	5.90E-05	3.60E-04
1892	Molecular sieve 13X	63231-69-6	30	330	2,000
1893	Molybdate orange	12656-85-8	5.4	59	350
1894	Molybdenum	7439-98-7	30	330	2,000
1895	Molybdenum carbide	12011-97-1	34	360	2,200
1896	Molybdenum dioxide	18868-43-4	40	430	2,600
1897	Molybdenum disilicide	12136-78-6	48	530	3,200
1898	Molybdenum hexacarbonyl	13939-06-5	83	920	5,500
1899	Molybdenum pentachloride	10241-05-1	4.3	410	2,400
1900	Molybdenum trioxide (Molybdenum(VI) oxide)	1313-27-5	2.3	43	260
1901	Molybdenum(IV) sulfide	1317-33-5	50	260	1,600
1902	Molybdic acid	7782-91-4	2.5	28	170

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1903	Molybdic acid, ammonium salt; (Ammonium molibdate)	11098-84-3	3.5	290	1,700
1904	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	3.2	17	100
1905	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	2.6	230	1,400
1906	Molybdophosphoric acid	12026-57-2	2.4	26	160
1907	Molybdophosphoric acid hydrate; (Phosphomolybdic acid hydrate)	51429-74-4	2.4	27	160
1908	Monobutyl phosphite	16456-56-7	2.7	30	180
1909	Monochloroamine; (Chloramide)	10599-90-3	0.055	0.61	3.6
1910	Monochloropentafluoroethane; (CFC-115)	76-15-3	19,000	36,000	2.20E+05
1911	Monochlorophenyl ether	55398-86-2	1.5	35	210
1912	Monocrotophos	6923-22-4	0.15	0.63	3.5
1913	**Monomethylamine; (Methylamine)**	**74-89-5**	**19**	**81**	**440**
1914	**Monomethylhydrazine; (Methyl hydrazine)**	**60-34-4**	0.15	**1.7**	**5.1**
1915	Monosodium titanate	60704-88-3	30	330	2,000
1916	Montmorillonite	1318-93-0	30	330	2,000
1917	Morpholine	110-91-8	110	4,700	28,000
1918	Morpholinepropanesulfonic acid, 4-	1132-61-2	130	1,400	8,500
1919	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	120	1,300	7,900

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1920	Muscimol; (5-Aminomethyl-3-isoxyzole)	2763-96-4	1.5	17	100
1921	Mustard gas sulfoxide; (bis(2-Chloroethyl)sulfoxide)	5819-08-9	0.52	5.7	34
1922	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	24	260	1,600
1923	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	81	900	5,400
1924	Nabumetone; (Relafen; 4-(6-Methoxy-2-naphthyl)-2-butanone)	42924-53-8	1.6	17	770
1925	Nadic methyl anhydride	25134-21-8	0.49	5.4	32
1926	Naphtha (coal tar); includes solvent naphtha, petroleum (64742-88-7), naphtha (petroleum) light aliphatic, rubber solvent (64742-89-8), heaevy catalytic cracked (64741-54-4), light straight run (64741-46-4), heavy aliphatic solvent (64742-96-7), high flash aromatic and aromatic solvent naphtha (64742-95-6)	8030-30-6	1,200	6,700	40,000
1927	Naphtha (petroleum),hydrotreated light	64742-49-0	1,000	11,000	66,000
1928	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	350	1,800	40,000
1929	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	2	22	130
1930	Naphthalene	91-20-3	79	430	2,600
1931	Naphthaleneacetamide, 1-	86-86-2	5.1	56	330
1932	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	30	330	2,000
1933	Naphthenic acid, lead salt	61790-14-5	15	170	1,000
1934	Naphthol, 1-	90-15-3	2.2	25	450
1935	Naphthol, 2-	135-19-3	5.9	65	390

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1936	Naphthol-6-sulfonic acid, 6-; (Schaeffer's acid)	93-01-6	0.54	6	36
1937	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	0.54	6	36
1938	Naphthoquinone, 1,4-	130-15-4	0.57	6.3	38
1939	Naphthylamine, beta-	91-59-8	2.2	24	140
1940	Naphthylthiourea, alpha-; (ANTU)	86-88-4	0.91	10	100
1941	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0	30	330	2,000
1942	Neodecanoic acid	26896-20-8	6	66	400
1943	Neodecanoic acid, calcium salt; (Calcium neodecanoate)	27253-33-4	6	66	400
1944	Neodymium	7440-00-8	30	330	2,000
1945	Neodymium bromide	13536-80-6	0.053	0.38	14
1946	Neodymium fluoride	13709-42-7	26	300	1,800
1947	Neodymium hydroxide	16469-17-3	1.2	13	79
1948	Neodymium nitrate	10045-95-1	6.2	68	410
1949	Neodymium nitrate, pentahydrate	14517-29-4	30	330	2,000
1950	Neodymium nitrite	z-0033	30	330	2,000
1951	Neodymium(III) chloride	10024-93-8	0.9	9.9	59
1952	Neodymium(III) oxide	1313-97-9	15	170	990

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1953	Neon	7440-01-9	54,000	1.90E+05	3.30E+05
1954	Nickel	7440-02-0	4.5	50	99
1955	Nickel acetate tetrahydrate	6018-89-9	13	140	830
1956	Nickel aluminide	12003-78-0	0.81	8.9	53
1957	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	1.3	28	170
1958	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	1	12	69
1959	**Nickel carbonyl**	**13463-39-3**	0.023	**0.25**	**1.1**
1960	Nickel chloride; (Nickelous chloride)	7718-54-9	0.66	22	130
1961	Nickel cyanide	557-19-7	1.1	13	75
1962	Nickel fluoride, tetrahydrate	13940-83-5	1.7	19	110
1963	Nickel formate	3349-06-2	7.6	83	500
1964	Nickel oxalate	547-67-1	0.75	8.3	50
1965	Nickel oxide; (Nickel(II) oxide)	1313-99-1	0.76	220	1,300
1966	Nickel perchlorate	13637-71-3	1.9	20	120
1967	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	1.3	12	71
1968	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	1.3	8.7	52
1969	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	0.79	8.6	51

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1970	Nickel(2+) stearate	2223-95-2	32	360	2,200
1971	Nickel(II) bromide	13462-88-9	1.1	12	73
1972	Nickel(II) carbonate (1:1)	3333-67-3	0.61	6.6	40
1973	Nickel(II) chloride hexahydrate	7791-20-0	1.2	5.2	31
1974	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	0.95	8.8	53
1975	Nickel(II) nitrate hexahydrate	13478-00-7	1.5	53	320
1976	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	0.93	10	61
1977	Nickel(II) nitrite	17861-62-0	0.77	8.6	51
1978	Nickel(II) phosphate	10381-36-9	1.2	14	83
1979	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	1.1	12	73
1980	Nicotinamide	98-92-0	5.6	62	690
1981	Nicotine sulfate	65-30-5	0.82	9	18
1982	Nicotine, dl-beta-; (DL-Nicotine)	22083-74-5	0.56	6.2	37
1983	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-); (Includes DL-Nicotine, 22083-74-5)	54-11-5	1.5	3.5	35
1984	Nicotinic acid; (Niacin)	59-67-6	21	230	1,400
1985	Niobium	7440-03-1	30	330	2,000
1986	Niobium chloride	10026-12-7	4.2	46	280

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
1987	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	6.6	72	430
1988	Niobium(IV) carbide	12069-94-2	30	330	2,000
1989	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	20	31	190
1990	Nitrate(s)	14797-55-8	30	330	2,000
1991	**Nitric acid**	**7697-37-2**	**0.41**	**62**	**240**
1992	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	190	1,600	9,700
1993	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	2.2	24	150
1994	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	8.1	89	530
1995	Nitric oxide	10102-43-9	0.61	15	25
1996	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	4.4	48	290
1997	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8	1.6	18	110
1998	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	4.4	49	290
1999	Nitrilotris(methylene)trisphosphonic acid; (Amino, tris[methylene phosphonic acid])	6419-19-8	30	69	420
2000	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	6.2	68	410
2001	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	1.6	18	110
2002	Nitroaniline, p-	100-01-6	9	71	300
2003	Nitrobenzene	98-95-3	15	100	1,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2004	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	33	360	2,200
2005	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	92-93-3	6.7	74	440
2006	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-Chloronitrobenzene)	121-73-3	0.9	9.9	59
2007	Nitrocyclohexane	1122-60-7	0.14	1.5	9
2008	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	12	130	790
2009	Nitrodiphenylamine, 2-	119-75-5	12	130	790
2010	Nitroethane	79-24-3	180	520	3,100
2011	Nitrogen	7727-37-9	9.10E+05	9.50E+05	1.00E+06
2012	**Nitrogen dioxide**	**10102-44-0**	**0.94**	**23**	**38**
2013	Nitrogen mustard hydrochloride	55-86-7	0.013	0.14	0.83
2014	**Nitrogen mustard; (Bis(b-chloroethyl)methylamine; Nitrogen mustard-2)**	**51-75-2**	0.002	**0.022**	**0.37**
2015	**Nitrogen tetroxide**	**10544-72-6**	**0.94**	**23**	**38**
2016	**Nitrogen trifluoride**	**7783-54-2**	**580**	**1,500**	**2,500**
2017	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	5.4	60	360
2018	Nitroglycerin	55-63-0	0.1	2	75
2019	Nitromethane	75-52-5	150	520	2,500
2020	Nitromethane-d3; (Trideuteronitromethane)	13031-32-8	160	550	2,600

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2021	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	7.9	86	520
2022	Nitronium Tetrafluoroborate	13826-86-3	13	150	870
2023	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	2.1	23	140
2024	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	2.8	31	180
2025	Nitrophenol, 4-; (p-Nitrophenol); Includes 25154-55-6 (mixed isomers)	100-02-7	0.69	7.6	46
2026	Nitropropane, 1-	108-03-2	270	1,400	8,400
2027	Nitropropane, 2-	79-46-9	110	1,400	8,400
2028	Nitropyrene, 1-	5522-43-0	0.0064	0.07	0.42
2029	Nitropyridine-N-oxide, 4-; (Pyridine, 4-nitro, 1-oxide)	1124-33-0	7.3	80	1,600
2030	Nitrosodimethylamine	62-75-9	0.082	0.9	10
2031	Nitrosodiphenylamine, p-	156-10-5	0.58	6.4	39
2032	Nitrosodipropylamine; (DPNA)	621-64-7	5.6	62	95
2033	Nitrosomorpholine	59-89-2	0.2	2.3	4.5
2034	Nitroso-N-methylurea, N-	684-93-5	0.33	3.6	22
2035	Nitrosophenol, p-	104-91-6	1.1	12	71
2036	Nitrosotoluene, 2-; (o-Nitrosotoluene)	611-23-4	12	130	790
2037	Nitrosyl chloride	2696-92-6	0.037	0.4	2.4

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2038	Nitrosylsulfuric acid	7782-78-7	1.2	13	79
2039	Nitrotoluene, m-	99-08-1	34	80	1,100
2040	Nitrotoluene, o-	88-72-2	34	180	1,100
2041	Nitrotoluene, p-	99-99-0	34	180	1,100
2042	Nitrous acid	7782-77-6	0.41	62	240
2043	Nitrous oxide	10024-97-2	1,600	18,000	36,000
2044	Nonacosane	630-03-5	30	330	2,000
2045	Nonanal	124-19-6	0.86	9.5	410
2046	Nonane; (Shellsol 140)	111-84-2	3,100	4,300	26,000
2047	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	34	46	270
2048	Nonanoic acid	112-05-0	13	140	840
2049	Nonanone, 2-	821-55-6	3	33	200
2050	Nonene, 1-	124-11-8	210	4,100	10,000
2051	Nonoxynol-4	7311-27-5	30	330	2,000
2052	Nonyl alcohol	143-08-8	11	120	710
2053	Nonyl phenol (mixed isomers)	25154-52-3	2.5	27	110
2054	Nonyl phenol, 4- (branched)	84852-15-3	0.2	2.3	260

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2055	Nonyl phenol, p-	104-40-5	4.1	45	320
2056	Nonylphenol, 4-, branched, ethoxylated	127087-87-0	30	330	2,000
2057	Nonylphenoxypolyethoxyethanol	68412-54-4	30	330	2,000
2058	**Nonyltrichlorosilane**	**5283-67-0**	**6.4**	**78**	**350**
2059	Norbormide	991-42-4	0.35	3.8	190
2060	Norchlorofluoroepibatidine	z-0034	1.2	13	79
2061	Novol ketone; (5-dithylamino-2-pentanone)	105-14-6	0.62	6.9	41
2062	n-Propanol (Propyl alcohol, n-)	71-23-8	610	1,600	9,800
2063	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	0.43	4.7	28
2064	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	0.43	4.7	28
2065	Octachloronaphthalene	2234-13-1	0.3	3.3	20
2066	Octacosane	630-02-4	3,700	6,200	81,000
2067	Octadecane, n-	593-45-3	2,400	4,000	52,000
2068	Octadecanoic acid, n-; (Stearic acid)	57-11-4	14	150	910
2069	Octadecanol, 1-	112-92-5	60	660	4,000
2070	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	220	2,400	15,000
2071	Octadecyl methacrylate	32360-05-7	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2072	**Octadecyltrichlorosilane**	**112-04-9**	**9.5**	**120**	**520**
2073	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	3,300	36,000	2.20E+05
2074	Octamethylcyclotetrasiloxane	556-67-2	360	830	1,600
2075	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide, Schradan)	152-16-9	0.073	0.8	4.9
2076	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	17	190	1,100
2077	Octanamine, 1-	111-86-4	0.2	2.2	13
2078	Octane, n-	111-65-9	1,100	1,800	23,000
2079	Octanedione, 2,5-	3214-41-3	10	110	670
2080	Octanenitrile	124-12-9	2.9	32	190
2081	Octanethiol, 1-	111-88-6	0.27	3	400
2082	Octanoic acid; (Caprylic acid)	124-07-2	30	330	2,000
2083	Octanol, 2-	123-96-6	4.5	50	300
2084	Octanone, 2-	111-13-7	9.3	100	610
2085	Octaphenylcyclotetrasiloxane	546-56-5	14	150	920
2086	**Octene, 1-**	**111-66-0**	**180**	**3,700**	**9,200**
2087	**Octyl alcohol; (n-Octanol)**	**111-87-5**	**27**	**110**	**800**
2088	**Octyl mercaptan, t-**	**141-59-3**	0.33	**3.6**	**11**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2089	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9	30	330	2,000
2090	**Octyltrichlorosilane**	**5283-66-9**	**6**	**74**	**330**
2091	Oil gas; (Oil fog)	z-0035	6.3	69	420
2092	**Oleum; (fuming Sulfuric acid)**	**8014-95-7**	**0.20**	**8.7**	**160**
2093	Organorhodium complex	z-0036	0.087	0.8	4.8
2094	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	1.2	13	79
2095	Osmium	7440-04-2	0.28	3.1	19
2096	**Osmium tetroxide**	**20816-12-0**	0.0062	**0.087**	**42**
2097	**Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)**	**106602-80-6**	**1.2**	**6.9**	**90**
2098	Ouabain	630-60-4	0.75	8.3	50
2099	Oxalic acid dihydrate	6153-56-6	2	83	500
2100	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	2	20	500
2101	Oxalyl chlorine	79-37-8	4	44	270
2102	Oxamide	471-46-5	1.3	15	89
2103	Oxamyl	23135-22-0	0.15	1.7	4.7
2104	Oxathiane, 1,4-	15980-15-1	11	120	730
2105	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	1	11	67

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2106	Oxone, monopersulfate compound	37222-66-5	30	330	2,000
2107	Oxybis(N,N-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	0.98	9.1	55
2108	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	1.5	17	99
2109	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	4.7	51	100
2110	Oxydiphenoxarsine, 10,10'-; (Phenoxarsine oxide)	58-36-6	5	14	84
2111	Oxydisulfoton	2497-07-6	0.32	3.5	21
2112	**Oxygen difluoride; (Fluorine monoxide)**	**7783-41-7**	0.016	**0.18**	**0.55**
2113	Ozone	10028-15-6	0.47	2	20
2114	Palladium	7440-05-3	6	66	400
2115	Palladium chloride (Palladium(II) chloride)	7647-10-1	8.1	89	540
2116	Palladium hydroxide	12135-22-7	120	1,300	7,900
2117	Palladium nitrate	10102-05-3	30	330	2,000
2118	Palladium oxide	1314-08-5	15	160	970
2119	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethanolamine	71808-29-2	30	330	2,000
2120	Paraffin, n-	8002-74-2	6	66	400
2121	Paraformaldehyde	30525-89-4	2	23	47
2122	Paraldehyde	123-63-7	14	150	930

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2123	Paraquat	4685-14-7	0.3	4.4	26
2124	Paraquat dichloride	1910-42-5	0.15	1.6	9.6
2125	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	0.014	0.15	20
2126	**Parathion**	**56-38-2**	0.15	**1.5**	**2.0**
2127	Paris Green; (Cupric acetoarsenite)	12002-03-8	3.4	22	130
2128	PBX (mixture of HMX and nitrocellulose [CTN])	z-0038	30	330	2,000
2129	**Pentaborane**	**19624-22-7**	0.039	**0.36**	**1.3**
2130	Pentachlorobenzene	608-93-5	4.4	49	220
2131	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	0.0043	0.046	0.28
2132	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	4.30E-04	0.0046	0.028
2133	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	1.30E-04	0.0014	0.0085
2134	Pentachloroethane	76-01-7	130	730	1,200
2135	Pentachloronitrobenzene	82-68-8	1.5	28	62
2136	Pentachlorophenol	87-86-5	1	15	150
2137	Pentadecafluorooctanoic acid	335-67-1	1.1	12	75
2138	Pentadecane	629-62-9	11	130	760
2139	Pentadecanoic acid	1002-84-2	0.18	1.9	12

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2140	Pentadecylamine	2570-26-5	0.18	2	40
2141	Pentaerythritol	115-77-5	30	90	540
2142	Pentaerythritol tetra(3-mercaptopropionate), reaction products with 2-(hydroxymethyl)-2-((3-mercapto-1-oxopropoxy)methyl)-1,3-propanediyl bis(3-mercaptopropanoate) and 1-octene	95823-35-1	30	330	2,000
2143	Pentaerythritol tetranitrate	78-11-5	1.2	13	330
2144	Pentafluorobenzoic acid	602-94-8	0.58	6.4	39
2145	Pentafluoropropane, 1,1,1,3,3-	460-73-1	4,900	1.40E+05	8.10E+05
2146	Pentane, n-	109-66-0	8,800	96,000	5.70E+05
2147	Pentanediol, 1,5-	111-29-5	6	66	400
2148	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	310	460	820
2149	Pentanenitrile; (Valeronitrile)	110-59-8	0.31	3.4	21
2150	Pentanone, 2-; (Methyl propyl ketone)	107-87-9	530	3,000	18,000
2151	Pentanone, 3-; (Diethyl ketone)	96-22-0	1,100	3,000	18,000
2152	Pentatriacontane	630-07-9	30	330	2,000
2153	Pentene, 1-	109-67-1	300	3,300	22,000
2154	Pentobarbital sodium; (Nembutal sodium)	57-33-0	0.35	3.9	23
2155	Peptone; (Hydrolized protein, Tryptones)	73049-73-7	30	330	2,000
2156	**Peracetic acid**	**79-21-0**	**0.52**	**1.6**	**15**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2157	Perboric acid, sodium salt	7632-04-4	8	88	530
2158	Perchloric acid	7601-90-3	2.5	28	170
2159	Perchloric acid, zinc salt, hexahydrate	10025-64-6	0.33	3.6	22
2160	**Perchloroethylene; (Tetrachloroethylene)**	**127-18-4**	**240**	**1,600**	**8,100**
2161	**Perchloromethyl mercaptan**	**594-42-3**	**0.099**	**2.3**	**6.8**
2162	**Perchloryl fluoride; (Chlorine oxyfluoride)**	**7616-94-6**	**6.3**	**17**	**50**
2163	Percoll	65455-52-9	30	330	2,000
2164	Perfluoro compounds, C5-C18; (Fluorinert electronic liquid perfluoro compounds); includes 60164-51-4 and 69991-67-9	86508-42-1	120	1,300	7,900
2165	**Perfluoroisobutylene; (Octafluoro-sec-butene)**	**382-21-8**	0.082	**0.9**	**2.7**
2166	Periodic acid	10450-60-9	0.18	2.1	12
2167	Periodic acid, sodium salt	7790-28-5	0.19	2.1	13
2168	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	45	230	1,400
2169	Permafluor E+	z-0039	140	360	2,200
2170	Permafluor-V (85+% toluene)	z-0040	230	1,900	13,000
2171	Peroxydicarbonic acid, disodium salt	3313-92-6	3.4	37	220
2172	Petrolatum	8009-03-8	160	1,800	11,000
2173	Petroleum asphalt; (Bitumen)	8052-42-4	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2174	Petroleum coke, calcined	64743-05-1	30	330	2,000
2175	Petroleum distillates; petroleum ether; includes clay-treated light naphthenic [64742-45-6]; low boiling [68477-31-6]; petroleum extracts [64742-06-9]; petroleum base oil [64742-46-7]; petroleum 50 thinner, petroleum spirits [64475-85-0], Soltrol, VM&P naphtha [8032-32-4]; Ligroine, and paint solvent; petroleum paraffins C5-C20 [64771-72-8]; hydrotreated light naphthenic [64742-53-6]; solvent refined light naphthenic [64741-97-5]; and machine coolant 1	8002-05-9	1,100	1,800	40,000
2176	Phenacetin; (p-Acetophenetidide)	62-44-2	7.3	80	330
2177	Phenaglycodol; (Ultran; 2-p-Chlorophenyl-3-methyl-2,3-butanediol)	79-93-6	2.5	27	160
2178	Phenanthrene	85-01-8	2.1	23	360
2179	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	30	330	2,000
2180	Phenanthroline, 1,10-	66-71-7	0.25	2.7	16
2181	**Phenol**	**108-95-2**	**58**	**88**	**770**
2182	Phenol red, sodium salt	34487-61-1	12	130	790
2183	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	30	330	2,000
2184	Phenolphthalein	77-09-8	1.6	18	200
2185	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	8.3	91	550
2186	**Phenyl Chloroformate; (Carbonochloridic acid, phenyl ester)**	**1885-14-9**	0.11	**1.2**	**3.6**
2187	**Phenyl dichloroarsine; (Dichlorophenylarsine)**	**696-28-6**	0.0055	**0.061**	**0.18**
2188	Phenyl ether; (Diphenyl ether)	101-84-8	14	110	670

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2189	**Phenyl isocyanate**	**103-71-9**	0.0043	**0.047**	**0.14**
250	**Phenyl mercaptan; (benzenethiol,thiophenol)**	**108-98-5**	1.4	**2.4**	**7.2**
2190	Phenyl-1,2-propanedione, 1-	579-07-7	0.4	4.5	27
2191	Phenyl-2-oxazoline, 2-	7127-19-7	180	2,000	12,000
2192	Phenyl-2-propanol, 2-; (Dimethylphenylmethanol)	617-94-7	3.9	43	260
2193	Phenylacetylene; (Ethynylbenzene)	536-74-3	28	310	1,900
2194	Phenylazo)aniline, p-(	60-09-3	0.66	7.2	43
2195	Phenylboric acid; (Benzeneboronic acid)	98-80-6	2.2	24	150
2196	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	20	220	1,300
2197	Phenylene diisocyanate, 1,4-	104-49-4	1	11	14
2198	Phenylenediamine dihydrochloride, 1,2-	615-28-1	1.7	19	110
2199	Phenylenediamine dihydrochloride, 1,4-	624-18-0	0.44	4.9	29
2200	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	0.3	35	210
2201	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	0.3	21	130
2202	Phenylenediamine, 1,4-; (p-Phenylenediamine)	106-50-3	0.3	6.8	41
2203	Phenylhydrazine	100-63-0	1.3	28	1,300
2204	Phenylhydrazine hydrochloride	59-88-1	23	250	1,500

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2205	Phenylmagnesium bromide	100-58-3	1.2	13	79
2206	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	2	22	47
2207	Phenylphenol, 2-	90-43-7	29	320	400
2208	Phenylphosphine	638-21-1	0.02	0.22	7.5
2209	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	4.5	49	300
2210	Phenylsilatrane	2097-19-0	0.091	1	6
2211	Phenylthiourea; (1-Phenyl-2-thiourea)	103-85-5	0.27	3	18
2212	Phenyltriethoxysilane	780-69-8	8.5	93	560
2213	Phenyltrimethoxysilane	2996-92-1	0.59	6.5	39
2214	Phenylxylylethane; (PXE)	6196-95-8	30	330	2,000
2215	Phloroglucinol dihydrate	6099-90-7	2.2	24	140
2216	**Phorate**	**298-02-2**	0.0036	**0.040**	**0.12**
2217	Phosacetim	4104-14-7	0.34	3.7	11
2218	Phosfolan	947-02-4	0.82	9	54
2219	**Phosgene**	**75-44-5**	0.11	**1.2**	**3**
2220	**Phosgene oxime**	**1794-86-1**	**0.028**	**0.083**	**13**
2221	Phosmet	732-11-6	0.049	0.54	77

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2222	Phosphamidon; (Famfos)	13171-21-6	0.027	0.3	21
2223	**Phosphine**	**7803-51-2**	1.4	**2.8**	**5**
2224	Phosphomolybdic acid	11104-88-4	2.5	27	160
2225	Phosphonic acid	13598-36-2	1.2	13	380
2226	Phosphonic acid, dioctadecyl ester	19047-85-9	9.5	100	630
2227	Phosphonic acid, methyl-, mono(1-methylethyl) ester; (Isopropyl methylphosphonic acid)	1832-54-8	21	230	1,400
2228	Phosphonic acid, tridodecyl ester	3076-63-9	9.5	100	630
2229	Phosphonoacetic acid	4408-78-0	30	330	2,000
2230	**Phosphoric acid**	**7664-38-2**	**3**	**30**	**150**
2231	Phosphoric acid, dimethyl-p-(methylthio)phenyl ester	3254-63-5	0.64	7	42
2232	Phosphorodifluoridic acid, ethyl ester; (Ethyl phosphorodifluoridate)	460-52-6	26	280	1,700
2233	Phosphorodifluoridic acid, methyl ester	22382-13-4	23	250	1,500
2234	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	3	30	150
2235	Phosphorous pentafluoride	7647-19-0	10	110	670
2236	Phosphorous trifluoride	7783-55-3	12	130	760
2237	Phosphorus (red)	7723-14-0	0.27	3	18
2238	Phosphorus (yellow); (White phosphorus)	12185-10-3	0.3	0.91	5.5

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2239	**Phosphorus oxychloride**	**10025-87-3**	1.9	3	**5.3**
2240	Phosphorus pentachloride	10026-13-8	2.6	20	200
2241	Phosphorus pentasulfide	1314-80-3	3	130	750
2242	**Phosphorus pentoxide**	**1314-56-3**	**1**	**10**	**50**
2243	**Phosphorus trichloride**	**7719-12-2**	**1.9**	**11**	**31**
2244	Phosphorus trioxide	1314-24-5	1.2	13	79
2245	Phthalic acid	88-99-3	24	260	1,600
2246	Phthalic acid, benzyl butyl ester; (Benzyl butyl phthalate)	85-68-7	15	77	460
2247	Phthalic anhydride	85-44-9	18	56	10,000
2248	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	1.2	13	79
2249	Phyllomedusin	26145-48-2	30	330	2,000
2250	Physostigmine	57-47-6	0.41	4.5	27
2251	Physostigmine salicylate (1:1)	57-64-7	0.23	2.5	15
2252	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	1.2	13	78
2253	Picric acid	88-89-1	0.3	17	100
2254	Picrotoxin; (Cocculin; PTX)	124-87-8	0.024	0.27	1.6
2255	Pigment green 36	14302-13-7	12	130	790

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2256	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	5.2	57	990
2257	Pigment yellow 14	5468-75-7	15	170	990
2258	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	1.8	20	120
2259	Pinacolyl alcohol; (tert-Butyl methyl carbinol)	464-07-3	8.1	89	540
2260	Piperazine	110-85-0	0.32	31	190
2261	**Piperidine**	**110-89-4**	**23**	**110**	**380**
2262	Piperonyl butoxide	51-03-6	6.5	72	1,200
2263	Pirimifos-ethyl	23505-41-1	2.3	25	28
2264	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	30	330	2,000
2265	Platinum	7440-06-4	3	33	200
2266	Platinum cyanide	592-06-3	0.0076	0.083	0.5
2267	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO; Hydrogenated trimer and tetramer of decene)	68649-12-7	2	22	130
2268	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8	3.8	42	250
2269	Poly(1-vinyl-2-pyrrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8	51	560	20,000
2270	Poly(acrylamide-co-diallyldimethylammonium chloride)	26590-05-6	30	330	2,000
2271	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	120	1,300	7,900
2272	Poly(dimethylsiloxane), hydride terminated	70900-21-9	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2273	Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated	68083-19-2	48	530	3,200
2274	Poly(divinylbenzene); (Diethenylbenzene homopolymer)	9003-69-4	12	130	790
2275	Poly(ethylene glycol methyl ether)	9004-74-4	66	730	4,400
2276	Poly(ethylene glycol)diacrylate	26570-48-9	1.2	13	79
2277	Poly(melamine-co-formaldehyde), methylated	68002-20-0	44	490	2,900
2278	Poly(oxy-1,2-ethanediyl), alpha-(4-octylphenyl)-omega-hydroxy-; (Polyethylene glycol mono(p-octylphenol)ether)	26636-32-8	1.2	14	81
2279	Poly(oxyethylene)(2) stearyl ether	9005-00-9	5.7	63	380
2280	Poly(styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	30	330	2,000
2281	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
2282	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	2.3	25	150
2283	Polybutyl acrylate	9003-49-0	30	330	2,000
2284	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	5.6	62	460
2285	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	13	140	860
2286	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	12	130	790
2287	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	13	150	890
2288	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	3	140	840
2289	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	6.6	72	2,200

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2290	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	1.5	68	200
2291	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	0.41	4.5	260
2292	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl))	z-0043	0.41	4.5	260
2293	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	34	370	2,200
2294	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	33	360	2,200
2295	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	13	140	840
2296	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	6.8	75	450
2297	Polyether polyol ester	z-0112	7.9	87	520
2298	**Polyethylbenzene residue; (Dowtherm Q)**	**68987-42-8**	110	**1,200**	7,200
2299	Polyethylene	9002-88-4	28	310	1,000
2300	Polyethylene glycol	25322-68-3	30	1,300	7,700
2301	Polyethylene glycol 20M	37225-26-6	30	1,300	7,700
2302	Polyethylene glycol dimethacrylate	25852-47-5	30	330	2,000
2303	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
2304	Polyisocyanate prepolymer	z-0115	0.45	5	55
2305	Polymaleic acid; (2-Butenedioic acid (2Z)-, homopolymer)	26099-09-2	30	330	2,000
2306	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	0.15	3.6	22

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2307	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2	30	330	2,000
2308	Polymethylmethacrylate; (Lucite)	9011-14-7	30	330	2,000
2309	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0	0.73	8	48
2310	Polyoxyethylene monooctylphenyl ether	9036-19-5	13	140	830
2311	Polyphosphoric acid	8017-16-1	3	30	150
2312	Polypropylene	9003-07-0	5.2	58	350
2313	Polypropylene glycol, (chloromethyl) oxirane polymer	9072-62-2	30	330	2,000
2314	Polypropylene glycol, polytetramethylene glycol, 1,3-diisocyanatomethylbenzene polymer	65636-36-4	30	330	2,000
2315	Polypropylene glycols	25322-69-4	30	330	2,000
2316	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6	6.9	76	460
2317	Polysorbate 85; (Tween 85)	9005-70-3	120	1,300	7,900
2318	Polystyrene resin; (Styrene polymer)	9003-53-6	0.59	6.4	790
2319	Polysulfone resin	25135-51-7	30	330	2,000
2320	Polytetrafluoroethylene; (Teflon)	9002-84-0	12	130	790
2321	Polyurethane foam; (Urethane polymers)	9009-54-5	12	130	790
2322	Polyurethane prepolymer of MDI and PEP	68092-58-0	30	330	2,000
2323	Polyvinyl alcohol	9002-89-5	24	270	1,600

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2324	Polyvinyl chloride	9002-86-2	3	33	200
2325	Potassium	7440-09-7	2.3	25	150
2326	Potassium acetate	127-08-2	9.8	110	640
2327	Potassium acid fluoride	7789-29-9	15	170	1,000
2328	Potassium aluminate	12003-63-3	22	240	1,400
2329	Potassium aluminite	z-0044	30	330	2,000
2330	Potassium aluminosilicate	1327-44-2	35	400	2,400
2331	Potassium antimonate; (Antimony potassium oxide)	29638-69-5	3.2	28	170
2332	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	3.2	28	170
2333	Potassium antimonite	z-0045	2.8	25	150
2334	Potassium argentate	z-0046	0.05	0.56	3.4
2335	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	3.6	40	240
2336	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	2.9	32	190
2337	Potassium beryllium oxide	z-0047	0.018	0.2	0.8
2338	Potassium bicarbonate	298-14-6	140	1,600	9,500
2339	Potassium bi-iodate	13455-24-8	1.1	13	76
2340	Potassium bismuthate	12589-75-2	3.3	36	220

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2341	Potassium bisulfate	7646-93-7	7	77	460
2342	Potassium bromate	7758-01-2	0.3	3.1	89
2343	Potassium bromide	7758-02-3	9.2	100	610
2344	Potassium cadminate	z-0048	0.23	1.7	11
2345	Potassium carbonate	584-08-7	0.55	6	370
2346	Potassium chlorate	3811-04-9	5.6	62	370
2347	Potassium chloride	7447-40-7	7.8	86	510
2348	Potassium chromate(VI)	7789-00-6	0.56	9.7	58
2349	Potassium citrate	866-84-2	2.1	23	140
2350	Potassium citrate, monohydrate	6100-05-6	30	330	2,000
2351	Potassium columbate; (Potassium niobate)	12030-85-2	9	99	590
2352	**Potassium cyanide**	**151-50-8**	**5.3**	**19**	**40**
2353	Potassium dichromate	7778-50-9	0.42	8.8	44
2354	Potassium dideuterium phosphate	13761-79-0	9.6	110	630
2355	Potassium ferricyanide	13746-66-2	13	18	110
2356	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	14	20	120
2357	Potassium fluoride	7789-23-3	23	250	1,500

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2358	Potassium fluoride dihydrate	13455-21-5	37	420	2,500
2359	Potassium formate	590-29-4	9	99	600
2360	Potassium glycolate	1932-50-9	28	300	1,900
2361	Potassium gold cyanide	554-07-4	33	47	280
2362	Potassium hexacyanoferrate(II) trihydrate; (Potassium ferricyanide trihydrate)	14459-95-1	16	23	140
2363	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-, dipotassium)	16871-90-2	0.47	5.1	31
2364	Potassium hydride	7693-26-7	1.2	13	79
2365	Potassium hydrogen lead oxide	z-0049	0.2	160	940
2366	Potassium hydrogen metasilicate	z-0051	30	330	2,000
2367	Potassium hydrogen pyrophosphate	z-0050	54	600	1,100
2368	Potassium hydroxide	1310-58-3	0.18	2	54
2369	Potassium iminodiacetate; (Potassium IDA)	z-0052	33	380	2,200
2370	Potassium iodate	7758-05-6	0.45	4.9	29
2371	Potassium iodide	7681-11-0	1.3	15	87
2372	Potassium lanthanate	z-0053	30	330	2,000
2373	Potassium metaarsenite; (Potassium arsenite)	10124-50-2	1.3	14	530
2374	Potassium metaborate	13709-94-9	6.8	77	460

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2375	Potassium molybdate; (Molybdic acid, dipotassium salt)	13446-49-6	3.7	40	240
2376	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	0.86	9.6	57
2377	Potassium nickelate	z-0055	1	12	69
2378	Potassium nitrate	7757-79-1	9	100	600
2379	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1	3.7	40	240
2380	Potassium nitrite	7758-09-0	4.1	45	3,000
2381	Potassium orthovanadate	14293-78-8	0.021	0.23	160
2382	Potassium oxalate	583-52-8	2	22	130
2383	Potassium oxalate monohydrate	6487-48-5	2	22	130
2384	Potassium oxide	12136-45-7	0.18	2	54
2385	Potassium perchlorate	7778-74-7	6.3	69	420
2386	Potassium periodate	7790-21-8	1.2	13	79
2387	Potassium permanganate	7722-64-7	8.6	14	150
2388	Potassium peroxymonosulfate; (Peroxymonosulfuric acid, monopotassium salt)	10058-23-8	30	330	2,000
2389	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	0.3	26	160
2390	Potassium phosphate, dibasic	7758-11-4	13	140	830
2391	Potassium phosphate, dibasic trihydrate	16788-57-1	16	180	1,100

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2392	Potassium phosphate, monobasic	7778-77-0	9.6	110	630
2393	Potassium phosphate, tribasic	7778-53-2	15	170	980
2394	**Potassium phosphide**	**20770-41-6**	1.1	**12**	**22**
2395	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	61	680	1,200
2396	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	30	330	2,000
2397	Potassium pyrosulfite; (Potassium metabisulfite)	16731-55-8	5.4	59	360
2398	Potassium selenate	7790-59-2	1.7	18	110
2399	Potassium selenite	10431-47-7	1.6	17	100
2400	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	30	330	2,000
2401	Potassium silver cyanide	506-61-6	2.9	32	190
2402	Potassium stannate	12142-33-5	12	140	810
2403	Potassium strontium phosphate	53201-92-6	16	180	1,000
2404	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	20	220	1,300
2405	Potassium sulfite	10117-38-1	120	1,300	7,900
2406	Potassium tellurate	15571-91-2	0.63	6.9	42
2407	Potassium tellurite	7790-58-1	0.6	6.6	40
2408	Potassium tetrafluoroborate(1-)	14075-53-7	12	140	830

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2409	Potassium tetraphenylborate	3244-41-5	12	130	790
2410	Potassium thiocyanate	333-20-0	2.6	28	170
2411	Potassium trihydrogen silicate	z-0058	30	330	2,000
2412	Potassium tungstate	7790-60-5	5.3	58	350
2413	Potassium uranyl carbonate	17871-80-6	1.5	13	76
2414	Potassium zirconate; (Potassium zirconium oxide; Dipotassium zirconate)	12030-98-7	24	200	1,200
2415	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	1.2	13	79
2416	Praseodymium	7440-10-0	1.2	13	79
2417	Praseodymium (III, IV) oxide	12037-29-5	15	170	990
2418	Praseodymium nitrate	10361-80-5	5.6	61	370
2419	Praseodymium oxide	12036-32-7	12	130	790
2420	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	1.5	16	96
2421	Propanamine, 1-; (Propylamine)	107-10-8	13	140	250
2422	**Propane**	**74-98-6**	**9,900**	**31,000**	**59,000**
2423	Propane sultone, 1,3-	1120-71-4	1.6	18	110
2424	Propanediamine, 1,2-	78-90-0	6.7	74	440
2425	Propanediamine, 1,3-	109-76-2	0.93	10	61

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2426	**Propanedinitrile; (Malononitrile)**	**109-77-3**	0.19	**2.1**	**6.2**
2427	Propanediol, 1,3-	504-63-2	7.8	86	520
2428	Propanediol, 2,2-dimethyl-1,3-	126-30-7	120	1,400	8,200
2429	Propanethiol; (n-Propylmercaptan)	107-03-9	0.15	1.6	1,000
2430	Propanol, zirconium(4+) salt, 1-	23519-77-9	36	300	1,800
2431	**Propargyl alcohol**	**107-19-7**	**5.7**	**37**	**160**
2432	Propargyl bromide	106-96-7	1.4	63	380
2433	Propiolactone, b-	57-57-8	4.4	15	88
2434	**Propionaldehyde**	**123-38-6**	**110**	**620**	**2,000**
2435	Propionic acid	79-09-4	45	86	510
2436	Propionic acid, 3-ethoxy-, ethyl ester; (Ethyl-3-ethoxypropionate)	763-69-9	9.6	110	630
2437	Propionic acid, sodium salt	137-40-6	15	170	1,000
2438	Propionic anhydride	123-62-6	7.1	78	470
2439	**Propionitrile; (Propiononitrile)**	**107-12-0**	0.62	**6.8**	**20**
2440	Propionyl chloride	79-03-8	0.19	2.1	13
2441	Propoxur (Baygon)	114-26-1	1.5	6.7	40
2442	Propoxypropanol, n-; (Propylene glycol monpropyl ether)	30136-13-1	8.6	95	570

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2443	Propyl acetate, n-	109-60-4	1,000	5,500	33,000
2444	**Propyl chloroformate; (Propyl chlorocarbonate)**	**109-61-5**	1.7	**19**	**55**
2445	Propyl nitrate	627-13-4	170	1,400	8,600
2446	Propyl-1-butanamine, N-	20193-21-9	3.2	35	210
2447	Propylbenzene, n-; (Isocumene)	103-65-1	15	160	11,000
2448	Propylene carbonate, 1,2-	108-32-7	3.3	37	220
2449	**Propylene glycol dinitrate**	**6423-43-4**	**1.2**	**6.8**	**88**
2450	**Propylene glycol monomethyl ether acetate, alpha-isomer; (1-Methoxypropyl-2-acetate)**	**108-65-6**	**270**	**5,400**	**27,000**
2451	**Propylene glycol monomethyl ether acetate, beta-isomer; (2-Methoxypropoyl-1-acetate)**	**70657-70-4**	**270**	**5,400**	**27,000**
2452	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	107-98-2	370	590	2,400
2453	Propylene glycol mono-n-butyl ether; (3-Butoxy-1-propanol)	10215-33-5	23	250	1,200
2454	Propylene glycol; (1,2-Propanediol)	57-55-6	30	1,300	7,900
2455	**Propylene oxide; (Methyl ethylene oxide)**	**75-56-9**	**170**	**690**	**2,100**
2456	Propylene; (1-Propene)	115-07-1	2,600	4,800	29,000
2457	**Propyleneimine, 1,2-**	**75-55-8**	0.93	**28**	**54**
2458	**Propyltrichlorosilane**	**141-57-1**	**4.4**	**53**	**240**
2459	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	0.15	1.7	10

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2460	Pump oil; (petroleum distillates, solvent de-waxed heavy paraffinic	64742-65-0	140	1,500	8,900
2461	Pyrene	129-00-0	0.15	1.7	7.5
2462	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
2463	Pyridine	110-86-1	9.7	62	12,000
2464	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	3.5	38	230
2465	Pyridine-d5	7291-22-7	10	65	12,000
2466	Pyriminil; (Pyriminyl)	53558-25-1	0.56	6.2	16
2467	Pyrogallic acid	87-66-1	0.41	4.5	20
2468	Pyromellitic acid	89-05-4	0.98	11	65
2469	Pyrrole; (Imidole)	109-97-7	0.32	3.5	21
2470	Pyrrolidine	123-75-1	0.69	7.6	45
2471	Pyrrolidinone, 2-	616-45-5	24	260	1,600
2472	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	1.3	14	84
2473	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, chlorides; (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides)	70750-47-9	1.2	13	79
2474	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, nitrates (salts); (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates)	71487-00-8	1.2	13	79
2475	Quinhydrone	106-34-3	0.21	2.3	14
2476	Quinoline	91-22-5	0.016	15	91

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2477	Quinolinol, 8-	148-24-3	3.6	40	240
2478	Red Arrow Insect Spray	z-0117	30	330	2,000
2479	Resorcinol	108-46-3	90	130	770
2480	Rexyn I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quaternized, hydroxide)	69011-49-0	30	330	2,000
2481	Rhenium hexafluoride	10049-17-9	20	220	1,300
2482	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	3	33	200
2483	Rhodium	7440-16-6	3	33	200
2484	Rhodium oxide; (Rhodium(IV) oxide)	12137-27-8	0.039	0.43	2.6
2485	Rhodium(III) hydroxide	21656-02-0	0.045	0.5	3
2486	Rhodium(III) oxide (solids)	12036-35-0	3.7	40	240
2487	Ricin	9009-86-3	8.20E-06	9.00E-05	5.40E-04
2488	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	72	790	1,500
2489	Rotenone	83-79-4	15	420	2,500
2490	Rubidium	7440-17-7	3.9	43	260
2491	Rubidium bromide	7789-39-1	30	330	2,000
2492	Rubidium chloride	7791-11-9	13	150	880
2493	Rubidium hydroxide	1310-82-3	1.8	19	120

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2494	Rubidium nitrate	13126-12-0	14	150	920
2495	Ruthenium	7440-18-8	30	330	2,000
2496	Ruthenium trichloride	10049-08-8	2.2	24	140
2497	Ruthenium(IV) oxide	12036-10-1	14	150	910
2498	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	5.9	64	390
2499	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	3.5	39	230
2500	Salicylaldehyde	90-02-8	1.6	17	100
2501	Samarium	7440-19-9	30	330	2,000
2502	Samarium chloride	10361-82-7	1.2	13	79
2503	Samarium nitrate	10361-83-8	6.5	71	430
2504	Samarium(II) iodide solution	32248-43-4	12	130	790
2505	Samarium(III) chloride hexahydrate	13465-55-9	1.7	19	110
2506	Samarium(III) oxide	12060-58-1	15	170	990
2507	Satratoxin H	53126-64-0	0.0046	0.051	0.3
2508	Saxitoxin	35523-89-8	2.10E-05	2.30E-04	0.0014
2509	Scandium	7440-20-2	30	330	2,000
2510	Scandium oxide	12060-08-1	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2511	Selenious acid	7783-00-8	23	250	1,500
2512	Selenium	7782-49-2	0.6	6.6	40
2513	Selenium dioxide	7446-08-4	0.84	1.6	9.5
2514	**Selenium hexafluoride**	**7783-79-1**	**0.42**	**0.69**	**2.1**
2515	Selenium monosulfide	7446-34-6	0.84	1.3	7.5
2516	Selenium oxychloride	7791-23-3	1.3	10	60
2517	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	1.1	4.6	27
2518	Semicarbazide hydrochloride	563-41-7	9.1	100	600
2519	Sephacryl s-200, superfine	65546-95-4	30	330	2,000
2520	Sephacryl s-300	82785-74-8	30	330	2,000
2521	Sephadex G-25	9041-35-4	30	330	2,000
2522	Shigella, shigatoxin; (shiga-like toxins)	75757-64-1	1.50E-06	1.60E-05	9.70E-05
2523	**Silane; (Silicon tetrahydride)**	**7803-62-5**	**130**	**170**	**350**
2524	Silica amorphous hydrated	7631-86-9	18	220	1,300
2525	Silica gel	63231-67-4	18	200	1,200
2526	Silica gel dessicant	1343-98-2	18	95	570
2527	Silica gel, amorphous synthetic	112926-00-8	18	200	1,200

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2528	Silica, amorphous fume	69012-64-2	45	500	3,000
2529	Silica, amorphous fumed	112945-52-5	18	100	630
2530	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	0.075	33	200
2531	Silicic acid	7699-41-4	0.9	11	67
2532	Silicic acid, aluminum calcium sodium salt	1344-01-0	30	330	2,000
2533	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	5.9	65	390
2534	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	9.5	110	630
2535	Silicon	7440-21-3	45	100	630
2536	Silicon carbide	409-21-2	45	500	3,000
2537	Silicon nitride	12033-89-5	30	330	2,000
2538	**Silicon tetrafluoride; (Tetrafluorosilane)**	**7783-61-1**	**0.21**	**14**	**43**
2539	Silicon(II) oxide; (Silicon oxide)	10097-28-6	30	330	2,000
2540	Siloprene k 1000 (Polydimethylsiloxane rubber)	63394-02-5	12	130	790
2541	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	120	1,300	7,900
2542	Siloxanes and silicones, methyl phenyl; (Silicon Y-6607; Silicone fluid, high temp)	67762-92-9	1.6	17	100
2543	Silver	7440-22-4	0.3	170	990
2544	Silver carbonate; (Silver(I) carbonate)	534-16-7	11	120	740

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2545	Silver chloride	7783-90-6	22	240	1,400
2546	Silver cyanide	506-64-9	0.37	4.1	24
2547	Silver hydroxide	12673-77-7	0.035	0.4	2.4
2548	Silver nitrate	7761-88-8	0.047	0.9	5.4
2549	Silver nitrite; (Silver(I) nitrite)	7783-99-5	0.043	0.46	2.8
2550	Silver oxide	20667-12-3	0.3	93	560
2551	Soda lime	8006-28-8	1	240	1,500
2552	Sodium	7440-23-5	13	140	870
2553	Sodium acetate	127-09-3	11	120	700
2554	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	11	120	690
2555	Sodium aluminate anhydrous; (Aluminum sodium dioxide anhydrous)	11138-49-1	18	200	1,200
2556	Sodium aluminate; (Aluminum sodium dioxide)	1302-42-7	18	200	1,200
2557	Sodium aluminum hydride	13770-96-2	1.2	13	80
2558	Sodium aluminum silicate; sodium aluminosilicate (1344-00-9)	73987-94-7	30	330	2,000
2559	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	3	27	160
2560	Sodium antimonite	z-0061	2.6	23	140
2561	Sodium argentate	z-0062	0.046	0.5	3

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2562	Sodium arsenate	7631-89-2	4.1	45	270
2563	Sodium arsenite	7784-46-5	0.91	10	170
2564	Sodium azide	26628-22-8	0.026	0.29	5.3
2565	Sodium beryllium oxide	z-0063	0.014	0.16	0.62
2566	Sodium bicarbonate	144-55-8	13	140	840
2567	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	12	140	820
2568	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	45	500	3,000
2569	Sodium bismuthate	12232-99-4	1.3	14	83
2570	Sodium bisulfate monohydrate	10034-88-5	0.63	7	42
2571	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	0.82	9	54
2572	Sodium bisulfite	7631-90-5	15	47	400
2573	Sodium borate decahydrate (Borax)	1303-96-4	6	190	1,100
2574	Sodium borate; (Disodium tetraborate)	1330-43-4	6	88	530
2575	Sodium borohydride	16940-66-2	0.49	5.3	32
2576	Sodium bromate	7789-38-0	0.46	5.1	30
2577	Sodium bromide	7647-15-6	12	130	830
2578	Sodium butyl (2-ethylhexyl)phosphate	z-0064	13	140	860

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2579	Sodium butyl butylphosphonate	z-0065	0.017	0.19	1.1
2580	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	3.2	86	510
2581	Sodium cadminate	z-0066	0.4	3	9.5
2582	Sodium carbonate	497-19-8	7.6	83	500
2583	Sodium carbonate monohydrate	5968-11-6	14	150	910
2584	Sodium chlorite	7758-19-2	0.19	2.1	13
2585	Sodium chromate decahydrate	13517-17-4	0.99	17	100
2586	Sodium chromate tetrahydrate	10034-82-9	0.87	15	91
2587	Sodium chromate(VI); (Disodium chromate)	7775-11-3	0.47	8.2	49
2588	Sodium citrate; (Monosodium citrate)	18996-35-5	4	44	270
2589	Sodium cobaltinitrite	13600-98-1	0.41	4.6	28
2590	**Sodium cyanide**	**143-33-9**	**4.0**	**14**	**30**
2591	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	30	330	2,000
2592	Sodium deuteroxide	14014-06-3	0.5	5	50
2593	Sodium dichromate dihydrate	7789-12-0	0.43	7.5	45
2594	Sodium dichromate; (Disodium dichromate)	10588-01-9	0.38	6.5	39
2595	Sodium diethyldithiocarbamate trihydrate	20624-25-3	6	50	300

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2596	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5	6	27	300
2597	Sodium dithionate dihydrate	7631-94-9	30	330	2,000
2598	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	2.1	23	87
2599	Sodium ethoxide	141-52-6	1.2	13	79
2600	Sodium ferrocyanide	13601-19-9	12	16	97
2601	Sodium fluoride	7681-49-4	17	90	1,100
2602	Sodium formate	141-53-7	18	200	1,200
2603	Sodium gluconate	527-07-1	71	780	4,700
2604	Sodium glycinate	6000-44-8	1.8	20	120
2605	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	20	230	1,400
2606	Sodium hexahydroxoantimonate; (Sodium antimonate)	33908-66-6	3	27	160
2607	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	30	330	2,000
2608	Sodium hydride	7646-69-7	1.2	13	79
2609	Sodium hydrogen lead oxide	z-0067	0.19	150	890
2610	Sodium hydrogen metasilicate	z-0068	3.1	34	210
2611	Sodium hydrogen pyrophosphate	z-0069	4.7	52	320
2612	Sodium hydrosulfite	7775-14-6	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2613	**Sodium hydroxide**	**1310-73-2**	**0.5**	**5**	**50**
2614	Sodium hypobromite	13824-96-9	30	330	2,000
2615	Sodium hypochlorite	7681-52-9	2	54	630
2616	Sodium hypochlorite pentahydrate	10022-70-5	13	140	290
2617	Sodium hypophosphite	7681-53-0	5.2	57	340
2618	Sodium hypophosphite hydrate	123333-67-5	5.2	57	340
2619	Sodium iodate	7681-55-2	0.83	9.1	55
2620	Sodium iodide	7681-82-5	13	140	860
2621	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	0.7	7.7	46
2622	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	7.6	84	790
2623	Sodium lanthanate	z-0070	30	330	2,000
2624	Sodium lauryl sulfate	151-21-3	3.9	43	260
2625	Sodium metabisulfite	7681-57-4	15	64	390
2626	Sodium metaborate	7775-19-1	6.8	77	460
2627	Sodium metaphosphate	10361-03-2	2.7	30	180
2628	Sodium metasilicate nonahydrate	13517-24-3	8.9	98	590
2629	Sodium metasilicate pentahydrate	10213-79-3	6.6	73	440

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2630	Sodium metavanadate; (Sodium vanadate)	13718-26-8	0.011	0.12	84
2631	Sodium methylate	124-41-4	6.1	67	400
2632	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	3.8	34	210
2633	Sodium monoxide; (Sodium oxide)	12401-86-4	0.5	5	50
2634	Sodium nickel oxide (Liquid)	37367-09-2	0.7	7.6	46
2635	Sodium nickelate	z-0073	0.88	9.6	57
2636	Sodium nitrate	7631-99-4	4.1	45	270
2637	Sodium nitrite	7632-00-0	6.4	71	240
2638	Sodium nitroferricyanide	14402-89-2	0.21	2.3	14
2639	Sodium o-benzyl-p-chlorophenate	3184-65-4	30	330	2,000
2640	Sodium orthovanadate	13721-39-6	0.016	0.18	130
2641	Sodium oxalate	62-76-0	0.36	4	24
2642	Sodium pentachlorophenate	131-52-2	0.22	2.4	8.4
2643	Sodium perchlorate	7601-89-0	6.3	69	420
2644	Sodium perchlorate monohydrate	7791-07-3	3.8	41	250
2645	Sodium permanganate	10101-50-5	7.8	13	78
2646	Sodium peroxide	1313-60-6	0.5	5	50

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2647	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	8.3	92	550
2648	Sodium persulfate	7775-27-1	0.3	8.2	49
2649	Sodium phosphate	7632-05-5	6.1	68	410
2650	Sodium phosphate monobasic monohydrate	10049-21-5	30	330	2,000
2651	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	1.4	16	93
2652	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	22	240	1,400
2653	**Sodium phosphide**	**12058-85-4**	0.75	**8.2**	**15**
2654	Sodium polyphosphate	68915-31-1	9.2	100	600
2655	Sodium polytungstate	12141-67-2	14	150	920
2656	Sodium potassium tartrate tetrahydrate	6381-59-5	9	99	590
2657	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	9	99	590
2658	Sodium p-tert-amylphenate; (4-(1,1-Dimethylpropyl)phenol, sodium salt)	31366-95-7	30	330	2,000
2659	Sodium pyrophosphate decahydrate	13472-36-1	8.6	96	580
2660	Sodium pyrophosphate, di-	7758-16-9	4.3	48	290
2661	Sodium pyruvate; (Pyruvic acid, sodium salt)	113-24-6	30	330	2,000
2662	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	7.1	78	470
2663	Sodium selenate; (Disodium selenate)	13410-01-0	1.4	1.6	2

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2664	Sodium selenite	10102-18-8	1.3	2.3	3.1
2665	Sodium silicate; (Sodium metasilicate)	6834-92-0	3.8	42	250
2666	Sodium stannate	12058-66-1	11	120	720
2667	Sodium stearate	822-16-2	0.17	1.8	11
2668	Sodium strontium phosphate	19553-80-1	6.3	83	900
2669	Sodium succinate	150-90-3	15	160	970
2670	Sodium succinate, hexahydrate	6106-21-4	25	270	1,600
2671	Sodium sulfamate	13845-18-6	36	120	6,000
2672	Sodium sulfate, anhydrous	7757-82-6	9.8	110	650
2673	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	0.088	0.96	5.8
2674	Sodium sulfide	1313-82-2	0.62	6.9	41
2675	Sodium sulfide nonahydrate	1313-84-4	0.17	1.9	11
2676	Sodium sulfite	7757-83-7	11	120	710
2677	Sodium tartrate dihydrate	6106-24-7	30	330	2,000
2678	Sodium tellurate	10101-83-4	0.56	3.7	22
2679	Sodium tellurite	10102-20-2	1.8	20	120
2680	Sodium tetrafluoroborate(1-)	13755-29-8	11	120	720

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2681	Sodium Tetrahydroxoaluminate	12251-53-5	26	290	1,700
2682	Sodium tetraphenyl borate	143-66-8	0.86	9.5	57
2683	Sodium thiosulfate	7772-98-7	38	410	2,500
2684	Sodium thiosulfate pentahydrate	10102-17-7	2.4	26	1,200
2685	Sodium titanate	12034-34-3	30	330	2,000
2686	Sodium tolyltriazole; (1H-Benzotriazole, 4(or 5)-methyl-, sodium salt)	64665-57-2	1.9	21	130
2687	Sodium tridecylbenzene sulfonate	26248-24-8	5.3	58	350
2688	Sodium triethylborohydride	17979-81-6	1.2	13	79
2689	Sodium trihydrogen silicate	z-0076	30	330	2,000
2690	Sodium tripolyphosphate	7758-29-4	0.61	6.8	620
2691	Sodium tungstate	13472-45-2	4.8	53	320
2692	Sodium tungstate dihydrate	10213-10-2	5.4	59	360
2693	Sodium uranate; (Disodium uranate hexahydrate)	66018-57-3	0.94	7.8	47
2694	Sodium uranium oxide monohydrate; (Sodium uranate(VI) monohydrate)	10135-92-9	0.82	6.8	41
2695	Sodium uranyl carbonate	128578-60-9	2.5	20	120
2696	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	22	180	1,100
2697	Sodium-Potassium	11135-81-2	0.5	5	50

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2698	Solvent Yellow 3; (2-Amino-5-azotoluene)	97-56-3	1.9	21	120
2699	**Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate; GD)**	**96-64-0**	**0.0013**	**0.016**	**0.13**
2700	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5	0.78	8.6	65
2701	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	8.2	90	540
2702	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	13	150	880
2703	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	9.6	65	640
2704	Stannous octoate	301-10-0	0.68	110	670
2705	Staphylococcal enterotoxin (SEB); including 37337-57-8 (SEA)	11100-45-1	1.90E-04	0.0021	0.013
2706	**Stibine; (Antimony hydride)**	**7803-52-3**	1.5	**7.6**	**49**
2707	Stilbene	588-59-0	3.8	41	250
2708	Stilbene 3; (Stilbene 420; Tinopal CBS; Disodium 4,4'-bis(2-sulfostyryl)biphenyl)	27344-41-8	8.1	89	530
2709	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	300	1,800	29,500
2710	Strontium	7440-24-6	30	330	2,000
2711	Strontium carbonate	1633-05-2	71	780	4,700
2712	Strontium chloride	10476-85-4	8	88	360
2713	Strontium hydroxide	18480-07-4	0.75	7.6	76
2714	Strontium nitrate	10042-76-9	5.7	62	370

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2715	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	6.4	71	240
2716	Strontium oxalate	814-95-9	120	1,300	7,900
2717	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	32	370	2,100
2718	**Strontium phosphide**	**12504-13-1**	1.2	**13**	**24**
2719	Strontium sulfate	7759-02-6	30	330	2,000
2720	Strychnine	57-24-9	0.45	0.5	3
2721	Strychnine sulfate (2:1)	60-41-3	0.45	5	30
2722	**Styrene**	**100-42-5**	**85**	**550**	**4,700**
2723	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	1.6	18	110
2724	Styrene-allyl alcohol copolymer	25119-62-4	30	330	2,000
2725	Styrene-divinylbenzene resin, chloromethylated, aminated with trimethylamine; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1	30	330	2,000
2726	Styrenesulfonate), poly(sodium 4-	25704-18-1	48	530	3,200
2727	Succinic acid	110-15-6	6.8	75	450
2728	Succinic anhydride	108-30-5	4.5	50	300
2729	Succinimidyl-6-(beta-maleimidopropionamido)hexanoate; (SMPH)	z-0120	30	330	2,000
2730	Sulfamic acid	5329-14-6	9.5	100	630
2731	Sulfanilamide	63-74-1	13	140	830

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2732	Sulfanilic acid	121-57-3	37	410	2,400
2733	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	30	330	2,000
2734	Sulfonylbis-ethanol, 2,2'-	2580-77-0	1.2	13	79
2735	Sulfosalicylic acid	97-05-2	7.4	81	490
2736	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	12	130	790
2737	Sulfotep; (TEDP)	3689-24-5	0.32	3.5	35
2738	Sulfur	7704-34-9	30	330	2,000
2739	**Sulfur dioxide**	**7446-09-5**	**0.52**	**2**	**79**
2740	Sulfur hexafluoride	2551-62-4	18,000	2.00E+05	1.20E+06
2741	**Sulfur monochloride**	**10025-67-9**	**2.9**	**35**	**83**
2742	Sulfur pentafluoride	5714-22-7	0.0091	0.1	10
2743	Sulfur tetrafluoride	7783-60-0	0.04	0.44	3.6
2744	**Sulfur trioxide**	**7446-11-9**	**0.20**	**8.7**	**160**
2745	**Sulfuric acid**	**7664-93-9**	**0.20**	**8.7**	**160**
2746	Sulfuric acid-d2; (Deuterosulfuric acid)	13813-19-9	0.2	8.7	160
2747	Sulfurous acid	7782-99-2	0.027	0.3	1.8
2748	**Sulfuryl chloride**	**7791-25-5**	**1.7**	**20**	**61**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2749	**Sulfuryl fluoride**	**2699-79-8**	42	**88**	**270**
2750	Talc	14807-96-6	6	66	400
2751	Tall oil (alkyd resin)	68333-62-0	30	330	2,000
2752	Tantalum	7440-25-7	10	11	64
2753	Tantalum carbide	12070-06-3	11	120	730
2754	Tantalum(V) ethoxide	6074-84-6	22	240	1,500
2755	Tantalum(V) fluoride	7783-71-3	22	250	1,500
2756	Tantalum(V) oxide	1314-61-0	12	260	1,600
2757	Tartaric acid	87-69-4	1.6	17	100
2758	Tartaric acid, monopotassium salt	868-14-4	87	960	5,800
2759	Tartaric acid, monosodium salt	526-94-3	7.1	79	470
2760	TCDD; (2,3,7,8-Tetrachlorodibenzo-p-dioxin; Dioxin)	1746-01-6	1.30E-04	0.0014	0.0085
2761	Technetium(IV) oxide	12036-16-7	30	330	2,000
2762	Tellurium	13494-80-9	1.8	20	110
2763	Tellurium chloride	10026-07-0	0.63	6.9	42
2764	**Tellurium hexafluoride**	**7783-80-4**	0.0047	**0.052**	**0.16**
2765	Tellurium oxide; (Tellurium dioxide)	7446-07-3	0.38	4.3	26

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2766	Tellurous acid	10049-23-7	0.42	4.6	28
2767	Terbium	7440-27-9	1.2	13	79
2768	Terbium oxide	12036-41-8	30	330	2,000
2769	Terbium(III,IV) oxide	12037-01-3	30	330	2,000
2770	Terbufos	13071-79-9	0.091	1	2.2
2771	Terephthalic acid	100-21-0	30	140	840
2772	Terephthaloyl chloride; (Benzenedicarbonyl dichloride, 1,4-)	100-20-9	7.5	83	500
2773	Terphenyl, p-	92-94-4	0.45	5	150
2774	Terphenyls; (Diphenylbenzene)	26140-60-3	0.45	5	1,400
2775	Tert-butyl benzoic acid, p-	98-73-7	6	23	140
2776	Tert-butyllithium	594-19-4	1.2	13	79
2777	Tert-butylphenol, p-; (Tert-butylphenol, 4-)	98-54-4	1.5	40	240
2778	Tert-butylpyridine, 4-	3978-81-2	30	330	2,000
2779	Tetanus toxin	676570-37-9	6.60E-09	7.20E-08	4.30E-07
2780	Tetraamminepalladium(II) nitrate	13601-08-6	1.2	13	79
2781	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	4.2	61	140
2782	Tetrabutyl ammonium phosphate	5574-97-0	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2783	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	9.4	100	620
2784	Tetrabutylammonium fluoride; (N,N,N-Tributyl-1-butanaminium, fluoride)	429-41-4	100	1,200	6,900
2785	Tetrabutylammonium hydroxide	2052-49-5	1.2	13	79
2786	Tetrabutylammonium nitrate	1941-27-1	0.033	0.36	2.2
2787	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	1,200	13,000	1.20E+05
2788	Tetrachlorobenzene, 1,2,3,4-	634-66-2	4.1	45	230
2789	Tetrachlorobenzene, 1,2,4,5-	95-94-3	0.66	7.2	340
2790	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	2.00E-04	0.0023	0.2
2791	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	0.003	0.033	0.2
2792	Tetrachloroethane (mixed isomers)	25322-20-7	4.5	49	290
2793	Tetrachloroethane, 1,1,1,2-	630-20-6	1.4	15	93
2794	Tetrachloroethane, 1,1,2,2-	79-34-5	21	820	1,000
2795	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	0.97	11	64
2796	**Tetrachlorosilane; (Silicon chloride)**	**10026-04-7**	**3.1**	**38**	**170**
2797	Tetracosafluorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	10	110	680
2798	Tetracyanoquinodimethane	1518-16-7	0.18	2	12
2799	Tetracycline hydrochloride	64-75-5	1.6	17	1,300

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2800	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	160	1,700	27,000
2801	Tetradecane; (n-Tetradecane)	629-59-4	25	280	1,700
2802	Tetradecanoic acid; (Myristic acid)	544-63-8	0.14	1.6	9.3
2803	Tetradecyltrimethylammonium bromide	1119-97-7	12	130	770
2804	Tetraethyl lead	78-00-2	0.3	4	40
2805	**Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)**	**78-10-4**	**210**	**850**	**2,600**
2806	Tetraethyl pyrophosphate; (TEPP)	107-49-3	0.091	1	10
2807	Tetraethylammonium chloride	56-34-8	0.45	5	30
2808	Tetraethylene glycol	112-60-7	87	960	5,700
2809	Tetraethylene glycol diacrylate	17831-71-9	3	27	160
2810	Tetraethylenepentamine	112-57-2	15	130	790
2811	Tetraethyltin; (Tetraethylstannane)	597-64-8	0.4	7	42
2813	Tetrafluoroethane, 1,1,2,2-; (HFC 134)	359-35-3	33,000	54,000	1.10E+05
2814	**Tetrafluoroethylene**	**116-14-3**	**90**	**220**	**1,300**
2815	Tetrafluorohydrazine	10036-47-2	10	480	2,900
2816	Tetrahydro-2,5-dimethyl furan	1003-38-9	12	130	790
2817	Tetrahydrodimethylfuran	1320-94-1	12	130	790

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2818	**Tetrahydrofuran**	**109-99-9**	**290**	**1,500**	**15,000**
2819	Tetrahydrofuran-d8	1693-74-9	330	1,600	16,000
2820	Tetrahydromethyl-1,3-isobenzofurandione, 3A,4,7,7A-; (Methyltetrahydrophthalic anhydride)	26590-20-5	7.7	85	510
2821	Tetrahydronaphthalene, 1,2,3,4-; (Tetralin)	119-64-2	8.6	94	570
2822	Tetrahydropyridine, 1,2,3,6-	694-05-3	30	330	2,000
2823	Tetramethoxypropane, 1,1,3,3-; (Malonaldehyde bis(dimethyl acetal))	102-52-3	12	130	790
2824	**Tetramethoxysilane; (Methyl silicate)**	**681-84-5**	0.52	**5.7**	**8.7**
2825	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	0.23	2.5	15
2826	Tetramethyl ethylene diamine	110-18-9	15	170	280
2827	Tetramethyl lead	75-74-1	0.45	4	40
2828	Tetramethyl-1,3-butanediamine, N,N,N',N'-; (Tetramethyl butanediamine)	97-84-7	1.4	16	94
2829	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	30	330	2,000
2830	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	30	330	2,000
2831	Tetramethylammonium chloride	75-57-0	0.15	1.7	9.9
2832	Tetramethylammonium hydroxide	75-59-2	0.0093	0.1	0.62
2833	Tetramethylammonium hydroxide pentahydrate	10424-65-4	0.019	0.2	1.2
2834	Tetramethylammonium silicate	53116-81-7	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2835	Tetramethylbenzene, 1,2,3,5-	527-53-7	15	170	1,000
2836	Tetramethylbenzene, 1,2,4,5-	95-93-2	20	220	1,300
2837	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7	0.44	4.9	29
2838	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	4.1	45	400
2839	Tetramethylsilane	75-76-3	1,000	1,300	2,700
2840	**Tetranitromethane**	**509-14-8**	0.38	**4.2**	**14**
2841	Tetraoxadodecane, 2,5,8,11-	112-49-2	12	130	790
2842	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Lauryl alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	30	330	2,000
2843	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	8.4	92	550
2844	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	88	970	5,900
2845	Tetrapropoxysilane	682-01-9	12	130	790
2846	Tetrapropylammonium hydroxide	4499-86-9	1.2	13	79
2847	Tetrapropylorthotitanate	3087-37-4	30	330	2,000
2848	Tetrasodium pyrophosphate	7722-88-5	15	130	790
2849	Tetrazole, 1H-	288-94-8	1.2	13	79
2850	Tetrodotoxin; (fugu poison)	4368-28-9	6.30E-05	6.90E-04	0.0041
2851	Thallium	7440-28-0	0.06	13	20

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2852	Thallium chloride; (Thallium(I) chloride)	7791-12-0	0.18	2	23
2853	Thallium hydroxide	12026-06-1	0.065	3.7	22
2854	Thallium nitrite	13826-63-6	0.074	4.2	25
2855	Thallium oxide; (Thallous oxide)	1314-12-1	0.062	3.5	21
2856	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	0.18	2	21
2857	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	0.077	4.3	26
2858	Thallium(I) carbonate (2:1)	6533-73-9	0.18	2	23
2859	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	0.18	2	25
2860	Thallium(III) oxide; (Thallium sesquioxide; Thallic oxide)	1314-32-5	0.18	2	8.7
2861	Thallium(III) perchlorate hexahydrate	15596-83-5	0.18	10	60
2862	Thallous malonate	2757-18-8	0.18	2	25
2863	Thallous nitrate; (Thallium nitrate; Thallium(I) nitrate)	10102-45-1	0.078	4.3	26
2864	Thenoyltrifluoroacetone	326-91-0	0.9	9.9	59
2865	Thioacetamide	62-55-5	0.92	10	60
2866	Thioacetic acid	507-09-5	0.25	2.7	16
2867	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	0.12	1.3	7.8
2868	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	9.1	100	600

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2869	Thiocresol, p-; (p-Toluenethiol)	106-45-6	0.66	7.2	43
2870	Thiocyanic acid, compound with guanidine (1:1); (Guanidine thiocyanate salt)	593-84-0	0.98	11	65
2871	Thiodiglycol	111-48-8	20	220	1,300
2872	Thiofanox; (Dacamox)	39196-18-4	0.77	8.5	51
2873	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	0.32	3.5	21
2874	**Thionyl chloride**	**7719-09-7**	**0.97**	**12**	**68**
2875	Thiophosphoryl chloride	3982-91-0	0.093	1	6.1
2876	Thiosemicarbazide; (1-Amino-2-thiourea)	79-19-6	1.1	12	13
2877	Thiourea	62-56-6	0.38	4.1	25
2878	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	0.15	250	1,500
2879	Thorium	7440-29-1	30	330	2,000
2880	Thorium hydroxide	13825-36-0	30	330	2,000
2881	Thorium nitrite	z-0079	30	330	2,000
2882	Thorium oxalate	2040-52-0	30	330	2,000
2883	Thorium oxide; (Thorium dioxide)	1314-20-1	30	330	2,000
2884	Thorium perchlorate	16045-17-3	30	330	2,000
2885	Thorium(IV) nitrate	13823-29-5	2.9	32	190

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2886	Thulium	7440-30-4	30	330	2,000
2887	Thulium chloride	13537-18-3	7	77	460
2888	Thulium oxide	12036-44-1	30	330	2,000
2889	Thymol blue; (6,6'-(3H-2,1-benzoxathiol-3-ylidene)dithymol, S,S-dioxide)	76-61-9	30	330	2,000
2890	Thyodene; (Amylodextrin)	9005-84-9	30	330	2,000
2891	Tin	7440-31-5	6	67	400
2892	Tin fluoroborate	13814-97-6	15	170	990
2893	Tin hydroxide	12026-24-3	7.7	85	510
2894	Tin nitrate	41480-79-9	12	140	820
2895	Tin nitrite	100737-27-7	11	120	710
2896	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	11	20	760
2897	Tin(II) oxide	1332-29-2	7.6	85	510
2898	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	11	120	720
2899	Tin(IV) isopropoxide	1184-61-8	0.7	7.7	46
2900	Tin(IV) oxide; (Stannic oxide)	18282-10-5	7.6	85	510
2901	Titanium	7440-32-6	30	330	2,000
2902	Titanium aluminide	39410-63-4	8.3	92	550

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2903	Titanium boride	12045-63-5	30	330	2,000
2904	Titanium carbide	12070-08-5	30	330	2,000
2905	Titanium chloride	7705-07-9	1.2	13	79
2906	Titanium hydride	7704-98-5	1.2	13	79
2907	Titanium oxide; (Titanium dioxide)	13463-67-7	30	330	2,000
2908	**Titanium tetrachloride**	**7550-45-0**	**5**	**7.8**	**44**
2909	Titanium(II) oxide	12137-20-1	30	330	2,000
2910	Titanium(III) fluoride	13470-08-1	14	150	920
2911	Titanium-based alloy; (Titanium compounds)	z-0081	30	330	2,000
2912	**Toluene**	**108-88-3**	**250**	**2,100**	**14,000**
2913	Toluene diisocyanate (mixed isomers)	26471-62-5	0.14	0.59	3.6
2914	Toluene diisocyanate, trimethylolpropane, epsilon-caprolactone polymer, methylated	71342-93-3	30	330	2,000
2915	**Toluene-2,4-diisocyanate; (TDI)**	**584-84-9**	**0.14**	**0.59**	**3.6**
2916	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	3	33	200
2917	**Toluene-2,6-diisocyanate**	**91-08-7**	**0.14**	**0.59**	**3.6**
2918	Toluene-d8; (Deuterated toluene)	2037-26-5	270	2,300	15,000
2919	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	0.075	17	99

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2920	Toluenesulfonamide, p-; (Pasam)	70-55-3	7	77	460
2921	Toluenesulfonic acid, methyl ester, p-	80-48-8	1	11	68
2922	Toluenesulfonyl chloride, p-	98-59-9	0.45	5	30
2923	Toluenesulphonic acid monohydrate, para-; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	7.7	85	510
2924	Toluenethiol, m-	108-40-7	0.16	1.8	11
2925	Toluidine, m-; (3-Methylaniline)	108-44-1	26	36	240
2926	Toluidine, o-	95-53-4	26	36	440
2927	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	26	36	130
2928	Toxaphene; (Chlorinated camphene)	8001-35-2	1	20	200
2929	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	0.4	4.4	19
2930	Tri(2-ethylhexyl) phosphate; (Trioctyl phosphate)	78-42-2	21	230	1,400
2931	Triacetin; (Triacetyl glycerin)	102-76-1	19	210	1,200
2932	Triamiphos	1031-47-6	0.06	0.66	4
2933	Triaryl sulfonium chloride salts	109037-76-5	1.1	12	72
2934	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	2.3	25	150
2935	Triazofos; (Triazophos)	24017-47-8	0.25	2.8	12
2936	Tribenzylamine	620-40-6	30	330	2,000

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2937	Tributyl citrate	77-94-1	13	140	630
2938	Tributyl phosphate	126-73-8	15	90	1,400
2939	Tributyl(2,4-dichlorobenzyl) phosphonium chloride	115-78-6	0.53	5.9	35
2940	Tributyl-1-butanaminium iodide, N,N,N-; (Tetrabutylammonium iodide)	311-28-4	6	66	390
2941	Tributylphosphine	998-40-3	2.3	25	150
2942	Tributyltetradecylphosphonium chloride	81741-28-8	30	330	2,000
2943	Trichloramine; (Nitrogen chloride)	10025-85-1	0.3	3.4	19
2944	**Trichloro(dichlorophenyl) silane; (Dichlorophenyltrichlorosilane)**	**27137-85-5**	**6.9**	**84**	**380**
2945	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	100	1,200	6,900
2946	Trichloro-2-nitrosobenzene, 1,3,5-	1196-13-0	2.3	25	150
2947	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	2.5	27	95
2948	Trichloroacetaldehyde; (Chloral)	75-87-6	0.89	9.8	19
2949	Trichloroacetic acid	76-03-9	10	110	660
2950	Trichloroacetyl chloride	76-02-8	0.27	3	21
2951	Trichlorobenzene, 1,2,3-	87-61-6	15	60	360
2952	Trichlorobenzene, 1,2,4-	120-82-1	3.4	37	150
2953	**Trichloroethane, 1,1,1-; (Methyl chloroform)**	**71-55-6**	**1,300**	**3,300**	**23,000**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2954	Trichloroethane, 1,1,2-	79-00-5	160	970	2,700
2955	Trichloroethanol, 2,2,2-	115-20-8	6.1	68	120
2956	**Trichloroethylene**	**79-01-6**	**700**	**2,400**	**20,000**
2958	Trichlorofluoromethane; (Fluorotrichloromethane; Freon 11)	75-69-4	760	8,400	56,000
2959	Trichlorohydroxyethyl dimethylphosphonate; ((2,2,2-Trichloro-1-hydroxyethyl)dimethylphosphonate; Trichlorphon)	52-68-6	3	13	57
2960	Trichloroisocyanuric acid	87-90-1	38	420	2,500
2961	Trichloronaphthalene	1321-65-9	15	170	990
2962	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	0.91	10	30
2963	Trichloronitrobenzene, 2,4,5-	89-69-0	2.3	25	150
2964	Trichlorophenol, 2,3,6-	933-75-5	1.8	20	120
2965	Trichlorophenol, 2,4,5-	95-95-4	2.5	27	160
2966	Trichlorophenol, 2,4,6-	88-06-2	2.5	27	160
2967	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (Silvex)	93-72-1	0.82	9	130
2968	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	30	42	250
2969	**Trichlorophenylsilane**	**98-13-5**	**5.2**	**63**	**290**
2970	Trichloropropane, 1,2,3-	96-18-4	0.09	1,000	6,000
2971	**Trichlorosilane**	**10025-78-2**	**3.3**	**40**	**180**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2972	Trichlorotrifluoroethane; (Freon 113; CFC113)	76-13-1	9,600	11,000	34,000
2973	Tridecane	629-50-5	0.055	0.6	18
2974	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	12	130	790
2975	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	15	240	1,500
2976	**Triethoxysilane**	**998-30-1**	**3.4**	**27**	**67**
2977	Triethoxyvinylsilane	78-08-0	20	220	1,300
2978	Triethyl phosphate; (TEP)	78-40-0	23	250	320
2979	Triethyl phosphite	122-52-1	8.5	93	560
2980	Triethylaluminum	97-93-8	25	280	1,700
2981	Triethylamine	121-44-8	4.1	680	4,100
2982	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9	30	330	2,000
2983	Triethylbenzene (mixed isomers)	25340-18-5	20	220	1,300
2984	Triethylene glycol	112-27-6	130	1,400	4,400
2985	Triethylene glycol monomethyl ether	112-35-6	34	370	2,200
2986	Triethylenetetramine	112-24-3	18	83	500
2987	Triethylethanaminium hydroxide, N,N,N-; (Tetraethyl ammonium hydroxide)	77-98-5	1.2	13	79
2988	Triethyloxonium tetrafluoroborate	368-39-8	19	220	1,300

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
2989	Triethylphosphorothioate; (Tepto)	126-68-1	0.22	2.4	15
2990	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4-, boron difluoride	22502-27-8	0.33	3.6	22
2991	Trifluoro-4-nitro-m-cresol, alpha,alpha,alpha-; (4-Nitro-3-(trifluoromethyl)phenol)	88-30-2	0.42	4.7	28
2992	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4	0.98	11	65
2993	Trifluoroacetic acid anhydride	407-25-0	14	150	920
2994	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	0.6	6.6	40
2995	Trifluoroacetyl chloride	354-32-5	18	180	1,100
2996	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	3.7	43	97
2997	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	12	130	790
2998	Trifluoromethanesulfonic anhydride	358-23-6	12	130	790
2999	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	52	570	3,400
3000	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	0.4	4.4	19
3001	Trifluralin; (2,6-Dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine)	1582-09-8	1.2	13	78
3002	Triisobutylaluminum	100-99-2	44	290	1,800
3003	Trimethoxy(3,3,3-trifluoropropyl)silane	429-60-7	29	320	1,900
3004	Trimethoxyboroxine	102-24-9	15	170	1,000
3005	**Trimethoxysilane**	**2487-90-3**	**2.5**	**4.1**	**12**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3006	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	30	330	2,000
3007	Trimethoxysilyl-1-propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	2.2	24	150
3008	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	71	780	4,700
3009	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	23	250	1,500
3010	Trimethoxyvinylsilane; (Vinyltrimethoxysilane; Silane, trimethoxyvinyl-)	2768-02-7	58	640	740
3011	Trimethyl borate	121-43-7	18	200	1,200
3012	Trimethyl phosphate; (TMP)	512-56-1	2.5	28	170
3013	**Trimethyl phosphite**	**121-45-9**	**31**	**310**	**1,600**
3014	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4	13	140	840
3015	Trimethyl-1-pentene, 2,4,4-; (Diisobutylene)	107-39-1	1,000	11,000	67,000
3016	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	30	330	2,000
3017	Trimethyl-2-hexene, 4,4,5-	55702-61-9	30	330	2,000
3018	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, epsilon-lactone)	64047-30-9	22	250	1,500
3019	Trimethylacetic acid; (Pivalic acid)	75-98-9	2.7	30	180
3020	**Trimethylacetyl chloride; (Pivaloyl chloride)**	**3282-30-2**	0.072	**0.79**	**2.3**
3021	Trimethylaluminum	75-24-1	16	170	1,000
3022	**Trimethylamine**	**75-50-3**	**19**	**290**	**920**

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3023	Trimethylaniline, 2,4,6-	88-05-1	0.26	2.9	10
3024	**Trimethylbenzene, 1,2,3-**	**526-73-8**	**690**	**1,800**	2,300
3025	**Trimethylbenzene, 1,2,4-; (Pseudocumene)**	**95-63-6**	**690**	**1,800**	2,400
3026	**Trimethylchlorosilane**	**75-77-4**	**8**	**98**	**440**
3027	Trimethyldecane, all isomers; (inlcudes 62238-01-1, 62108-23-0)	62338-09-4	1,700	2,900	38,000
3028	Trimethylgallium	1445-79-0	1.2	13	79
3029	Trimethylhexane, 2,2,5-; (Neononane)	3522-94-9	3,100	33,000	2.00E+05
3030	Trimethyl-N'-(hydroxyethyl)-1,3-propanediamine, N,N,N'-; (2-((3-(Dimethylamino)propyl)methylamino)ethanol)	82136-26-3	30	330	2,000
3031	Trimethyloctane, all isomers; (inlcudes 62016-28-8, 62016-34-6, 62016-37-9, 54166-32-4)	98060-52-7	1,500	2,500	32,000
3032	Trimethylolpropane ethoxylate	50586-59-9	30	330	2,000
3033	Trimethylolpropane phosphite	824-11-3	0.23	2.5	2.8
3034	Trimethylphosphine	594-09-2	1.2	13	79
3035	Trimethylpyridine, 2,4,6-	108-75-8	6.4	70	420
3036	Trimethylsilanol	1066-40-6	8.4	92	550
3037	Trimethylsilylmethyllithium	1822-00-0	1.2	13	79
3038	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	0.34	20	120
3039	Trimethyltriheptylamine, 6,6',6''-; (Triisooctylamine)	2757-28-0	4.3	48	290

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3040	Tri-n-butylamine	102-82-9	0.37	4.1	24
3041	Trinitrobenzene, 1,3,5-	99-35-4	1.5	16	54
3042	Trinitrochlorobenzene; (Picryl chloride)	28260-61-9	30	330	2,000
3043	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	4.5	14	1,300
3044	Trinitrotoluene, 2,4,6-	118-96-7	0.3	17	1,000
3045	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	1	11	68
3046	Trioctylamine; (N,N-Dioctyl-1-octanamine)	1116-76-3	6	66	400
3047	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	0.11	1.2	7.2
3048	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	4.5	190	600
3049	Tripentaerythritol	78-24-0	30	330	2,000
3050	Triphenyl phosphate	115-86-6	9	360	2,100
3051	Triphenyl phosphite	101-02-0	4.8	53	320
3052	Triphenylborane	960-71-4	12	130	790
3053	Triphenylethoxysilane	1516-80-9	30	330	2,000
3054	Triphenylolmethane triglycidyl ether	66072-38-6	30	330	2,000
3055	Triphenylphosphine	603-35-0	2.9	32	540
3056	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	0.65	20	38

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3057	Tripotassium (2-hydroxyethyl)ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	30	330	2,000
3058	Tripotassium arsenate	13464-36-3	5.2	57	340
3059	Tripropyl phosphate; (TPP)	513-08-6	13	76	1,100
3060	Tripropylamine	102-69-2	3.4	37	220
3061	Tripropylene glycol methyl ether	25498-49-1	9.6	110	630
3062	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol)	20324-33-8	17	180	630
3063	Tripropylene glycol; (((1-Methyl-1,2-ethanediyl)bis(oxy))bispropanol)	24800-44-0	9	99	590
3064	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	12	130	790
3065	Tris((hydroxymethyl)methylamino)propane-1-sulphonic acid, 3-	29915-38-6	30	330	2,000
3066	Tris(2-aminoethyl)amine	4097-89-6	1	11	49
3067	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	3.7	41	240
3068	**Tris(2-chloroethyl)amine; (Nitrogen mustard-3)**	**555-77-1**	0.002	**0.022**	**0.37**
3069	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	3.6	40	240
3070	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	18	190	1,200
3071	Trisodium arsenate	13464-38-5	4.2	47	280
3072	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3	6.8	75	450
3073	Trisodium citrate	68-04-2	9.3	100	610

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3074	Trisodium N-hydroxyethylethylenediaminetriacetate; (Trisodium N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	30	330	2,000
3075	Trisodium phosphate; (Sodium phosphate, tribasic)	7601-54-9	5	66	400
3076	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	11	130	750
3077	Trypsin; (Parenzyme; Chymotrypsin inhibitor)	9002-07-7	2.4	26	160
3078	Tungsten	7440-33-7	10	330	2,000
3079	Tungsten boride	12007-09-9	11	120	730
3080	Tungsten carbide	12070-12-1	11	120	730
3081	Tungsten hexafluoride	7783-82-6	4.9	54	320
3082	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	13	140	860
3083	Tungsten(IV) chloride; (Tungsten tetrachloride)	13470-13-8	5.3	58	350
3084	Tungsten(IV) oxide	12036-22-5	12	130	790
3085	Tungstic acid	7783-03-1	14	150	920
3086	Tungstosilicic acid	11130-20-4	13	140	860
3087	Turpentine, (Alpha and beta pinene, 80-56-8)	8006-64-2	340	670	8,600
3088	Undecane	1120-21-4	15	170	990
3089	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	6.4	70	420
3090	Uranine; (Fluorescein sodium)	518-47-8	20	220	1,300

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3091	Uranium	7440-61-1	0.6	5	30
3092	**Uranium dioxide; (Uranium(IV) oxide)**	**1344-57-6**	0.68	**10**	**30**
3093	**Uranium hexafluoride; (Uranium fluoride)**	**7783-81-5**	**3.6**	**9.6**	**36**
3094	Uranium hydride; (Uranium(III) hydride)	13598-56-6	0.61	5	30
3095	**Uranium oxide; (Triuranium octaoxide)**	**1344-59-8**	0.71	**10**	**50**
3096	Uranium telluride	12138-37-3	1.2	10	62
3097	Uranium telluride (U3Te4)	12040-21-0	1	8.5	51
3098	**Uranium trioxide**	**1344-58-7**	0.045	**0.5**	**3**
3099	Uranyl acetate; (Uranium oxyacetate)	541-09-3	0.98	5.5	33
3100	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	0.78	4.3	26
3101	Uranyl hydroxide (includes liquids)	13470-18-3	0.77	4.3	26
3102	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	0.99	5.5	33
3103	Uranyl nitrate (yellow salt)	36478-76-9	0.99	5.5	33
3104	Uranyl nitrate hexahydrate	13520-83-7	1.3	7	42
3105	Uranyl nitrite (liquids)	z-0087	0.91	5	30
3106	Urea	57-13-6	30	280	1,700
3107	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	1.2	13	79

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3108	Urea), N,N''-(4-methyl-1,3-phenylene)bis(N',N'-dimethyl-	17526-94-2	12	130	790
3109	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	5.4	60	360
3110	Valeric acid; (n-Pentanoic acid)	109-52-4	2.2	24	140
3111	Valinomycin	2001-95-8	0.23	2.5	15
3112	Vanadium	7440-62-2	3	5.8	35
3113	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	0.64	7	70
3114	Vanadium sulfate	13566-06-8	0.013	0.14	100
3115	Vanadium tetrachloride	7632-51-1	0.017	0.19	130
3116	Vanadium trioxide	1314-34-7	0.0067	0.074	51
3117	Vanadium(II) sulfate heptahydrate	36907-42-3	0.025	0.27	190
3118	Vanadium(III) sulfate	13701-70-7	0.017	0.19	130
3119	Vanadium, trichlorooxo-	7727-18-6	0.11	1.2	850
3120	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	0.023	0.25	170
3121	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	0.015	0.16	110
3122	Veratraldehyde	120-14-9	6	66	400
3123	Vermiculite, exfoliated	1318-00-9	32	360	2,200
3124	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1	0.034	0.38	2.3

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3125	**Vinyl acetate**	**108-05-4**	**24**	**130**	**630**
3126	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	120	1,300	7,900
3127	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0	30	330	2,000
3128	Vinyl bromide; (Bromoethylene)	593-60-2	6.6	1,900	11,000
3129	**Vinyl chloride**	**75-01-4**	**640**	**3,100**	**12,000**
3130	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	31	340	2,000
3131	Vinyl fluoride	75-02-5	1,100	12,000	71,000
3132	Vinyl sulfoxide	1115-15-7	0.4	4.4	26
3133	Vinyl terminated dimethylsiloxane-diphenylsiloxane copolymer	68951-96-2	120	1,300	7,900
3134	**Vinyl trichlorosilane**	**75-94-5**	**4**	**48**	**220**
3135	Vinyl-2-pyrrolidinone, 1-	88-12-0	0.68	29	140
3136	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	1.2	13	79
3137	Vinylcyclohexene, 4-; (Cyclohexenylethylene)	100-40-3	1.3	930	1,500
3138	Vinylformamide, N-	13162-05-5	1.2	13	79
3139	**Vinylidene chloride; (1,1-Dichloroethylene)**	**75-35-4**	180	**2,000**	**4,000**
3140	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	3,900	15,000	28,000
3141	Vinylmagnesium bromide	1826-67-1	1.2	13	79

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3142	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	1.9	21	120
3143	Viscumin; (Mistletoe lectin)	83590-17-4	7.70E-06	8.50E-05	5.10E-04
3144	Volkensin	91933-11-8	3.70E-07	4.00E-06	2.40E-05
3145	Warfarin	81-81-2	1.8	20	350
3146	Warfarin sodium	129-06-6	0.82	9	83
3147	Xenon	7440-63-3	3.50E+05	1.20E+06	2.10E+06
3148	Xylene, m- (inlcudes o- (95-47-6) and p- (106-42-3) isomers)	108-38-3	650	870	4,300
3149	**Xylenes**	**1330-20-7**	**560**	**4,000**	**11,000**
3150	Xylenol orange tetrasodium salt	3618-43-7	30	330	2,000
3151	Xylidine	1300-73-8	50	120	740
3152	Xylidine, 2,6-	87-62-7	7.4	120	740
3153	Xylidine, o-; (2,3-Xylidine)	87-59-2	50	120	740
3154	Xylylene dichloride	28347-13-9	0.18	2	8.8
3155	Ytterbium fluoride	13760-80-0	30	330	2,000
3156	Ytterbium oxide	1314-37-0	30	330	2,000
3157	Yttrium	7440-65-5	3	33	200
3158	Yttrium chloride, hexahydrate	10025-94-2	10	110	670

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3159	Yttrium oxide	11130-29-3	3.5	40	240
3160	Yttrium trioxide	1314-36-9	3.8	43	260
3161	Zeolites, CaA	68989-20-8	30	330	2,000
3162	Zeolites, KA	68989-21-9	30	330	2,000
3163	Zeolites, NaA	68989-22-0	30	330	2,000
3164	Zeolites, NaX	68989-23-1	30	330	2,000
3165	Zinc	7440-66-6	6	21	120
3166	Zinc acetate	557-34-6	0.19	2.1	12
3167	Zinc acetate dihydrate	5970-45-6	2.4	26	160
3168	Zinc bromide	7699-45-8	6	66	400
3169	Zinc carbonate	3486-35-9	12	130	750
3170	Zinc carbonate hydroxide	5263-02-5	13	150	870
3171	Zinc chloride	7646-85-7	2	800	4,800
3172	Zinc chromate; (Pigment yellow)	13530-65-9	0.03	9	54
3173	Zinc cyanide	557-21-1	14	18	110
3174	Zinc fluoride	7783-49-5	20	230	1,400
3175	Zinc hydroxide	20427-58-1	6	66	400

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3176	Zinc nitrate	7779-88-6	17	190	1,100
3177	Zinc nitrate hexahydrate	10196-18-6	27	300	1,800
3178	Zinc nitrite	10102-02-0	14	160	950
3179	Zinc oxide	1314-13-2	10	15	2,500
3180	Zinc perchlorate	13637-61-1	24	270	1,600
3181	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	5.4	59	360
3182	Zinc phosphate (3:2)	7779-90-0	12	36	220
3183	**Zinc phosphide**	**1314-84-7**	1	**11**	**19**
3184	Zinc stearate	557-05-1	30	330	2,000
3185	Zinc sulfate	7733-02-0	15	97	580
3186	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	27	170	1,000
3187	Zinc sulfide	1314-98-3	8.9	99	590
3188	Zirconium	7440-67-7	10	83	500
3189	Zirconium boride	12045-64-6	12	100	620
3190	Zirconium carbide	12070-14-3	13	110	630
3191	Zirconium chloride oxide octahydrate	13520-92-8	35	300	1,800
3192	Zirconium fluoride	7783-64-4	17	180	1,100

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3193	Zirconium hydride	7704-99-6	10	85	510
3194	Zirconium hydroxide	14475-63-9	17	150	870
3195	Zirconium nitrate	13746-89-9	37	320	1,900
3196	Zirconium nitride	25658-42-8	12	97	580
3197	Zirconium nitrite	z-0088	30	250	1,500
3198	Zirconium oxide	1314-23-4	14	110	680
3199	Zirconium oxynitrate hydrate	14985-18-3	27	230	1,400
3200	Zirconium phosphide	12037-72-8	17	140	840
3201	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	19	200	1,200
3202	Zirconium silane	z-0089	16	140	810
3203	Zirconium silicate; (Zirconium silicon oxide; Zircon)	10101-52-7	21	170	1,000
3204	Zirconium sulfate tetrahydrate	7446-31-3	39	320	1,900
3205	Zirconium tetrachloride; (zirconium chloride)	10026-11-6	26	220	1,300
3206	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	20	160	980
3207	Zirconyl nitrate; (Bis(nitrato-O)oxozirconium)	13826-66-9	25	220	1,300
3208	Zonyl fsn fluorosurfactant	65545-80-4	41	460	2,700
3209	zzAcrylic latex	z-0090	30	330	2,000

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 4: Protective Action Criteria (PAC) Rev. 28A (mg/m^3)
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs (mg/m^3)		
			PAC-1	PAC-2	PAC-3
3210	zzAlumination 301	z-0091	30	330	2,000
3211	zzHydranal coulomat / AG	z-0092	30	330	2,000
3212	zzHydrocarbon polymer	z-0093	30	330	2,000
3213	zzHydrocount(R), LSC cocktail	z-0094	30	330	2,000
3214	zzIconol(R)	z-0095	30	330	2,000
3215	zzMonophase- S	z-0097	30	330	2,000
3216	zzMornar	z-0098	30	330	2,000
3217	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphosphate)	z-0099	1.2	13	79
3218	zzPropanol (-2) aluminum derivative	z-0101	6	66	400
3219	zzScintillation cocktail, Ultima Gold XR	z-0102	1.2	13	79
3220	zzSicapent	z-0103	30	330	2,000
3221	zzSynthetic resins	z-0104	30	330	2,000
3222	zzTotal sequestrant reagent #5	z-0105	30	330	2,000
3223	zzTrifluoroacetyl)-N,O,O,O-tetrakis((TMS)norepinephrine, N-(	z-0106	1.2	13	79
3224	zzWaste oil	z-0107	30	330	2,000