Table 3: Protective Action Criteria (PAC) Rev. 28A based on applicable 60-minute AEGLs, ERPGs, or TEELs. The chemicals are listed by CASRN. February 2016

Table 3 presents a list of chemicals and associated PAC values in numerical order based on the CASRN[1] for each chemical. Chemicals without an identified CASRN number are issued an identification number, preceded by the letter "z" for purposes of identification in the PAC data set. PACs are presented in either ppm or mg/m^3.

The columns presented in Table 3 provide the following information:

Heading	Definition
No.	The ordered numbering of the chemicals as they appear in this listing by CASRN
Chemical Name	The name of the chemical substance submitted to the PAC development team
CASRN	The Chemical Abstracts Service Registry Number 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
Units	The units of the original request (ppm or mg/m^3)

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 no 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, 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 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1	**Formaldehyde**	**50-00-0**	**0.90**	**14**	**56**	ppm
2	Guanidine hydrochloride	50-01-1	1.4	16	94	mg/m^3
3	DDT; (Dichlorodiphenyltrichloroethane)	50-29-3	3	34	210	mg/m^3
4	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	0.6	120	700	mg/m^3
5	Piperonyl butoxide	51-03-6	6.5	72	1,200	mg/m^3
6	Fluorouracil	51-21-8	1.7	19	46	mg/m^3
7	Dinitrophenol, 2,4-	51-28-5	0.61	6.8	16	mg/m^3
8	**Nitrogen mustard; (Bis(b-chloroethyl)methylamine; Nitrogen mustard-2)**	**51-75-2**	0.002	**0.022**	**0.37**	mg/m^3
9	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	5.4	60	360	mg/m^3
10	Carbachol chloride	51-83-2	1.4	15	90	mg/m^3
11	Trichlorohydroxyethyl dimethylphosphonate; ((2,2,2-Trichloro-1-hydroxyethyl)dimethylphosphonate; Trichlorphon)	52-68-6	3	13	57	mg/m^3
12	Dibenza(a,h)anthracene	53-70-3	0.093	1	2.9	mg/m^3
13	Acetylaminofluorene, 2-	53-96-3	1.2	14	88	mg/m^3
14	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-); (Includes DL-Nicotine, 22083-74-5)	54-11-5	1.5	3.5	35	mg/m^3
15	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	7.1	78	470	mg/m^3
16	Aminopterin; (Aminopteridine)	54-62-6	2.3	25	150	mg/m^3
17	Benzamide	55-21-0	4.7	52	310	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
18	Fenthion	55-38-9	0.15	5.9	35	mg/m^3
19	Nitroglycerin	55-63-0	0.1	2	75	mg/m^3
20	Nitrogen mustard hydrochloride	55-86-7	0.013	0.14	0.83	mg/m^3
21	Diisopropylfluorophosphate; (Phosphorofluoridic acid, bis(1-methylethyl) ester)	55-91-4	0.33	3.6	22	mg/m^3
22	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	0.41	4.5	27	ppm
23	**Carbon tetrachloride**	**56-23-5**	1.2	**13**	**340**	ppm
24	Cantharidin	56-25-7	0.39	4.3	33	mg/m^3
25	Tetraethylammonium chloride	56-34-8	0.45	5	30	mg/m^3
26	**Parathion**	**56-38-2**	0.15	**1.5**	**2.0**	mg/m^3
27	Glycine; (Aminoacetic acid)	56-40-6	33	360	1,600	mg/m^3
28	Methylcholanthrene, 3-	56-49-5	0.2	2.3	29	mg/m^3
29	Diethylstilbestrol; ((E)-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol)	56-53-1	9	99	590	mg/m^3
30	Benzo(a)anthracene	56-55-3	1.2	13	79	mg/m^3
31	Coumaphos	56-72-4	0.27	3	13	mg/m^3
32	Chloramphenicol	56-75-7	1.5	10	500	mg/m^3
33	Glycerine (mist); (Glycerol; Glycerin)	56-81-5	45	860	2,500	mg/m^3
34	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	90	990	5,900	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
35	Allyl isothiocyanate; (Mustard oil)	57-06-7	1	2.8	17	ppm
36	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	1.2	14	81	mg/m^3
37	Hexadecanoic acid; (Palmitic acid)	57-10-3	0.19	2.1	12	mg/m^3
38	Octadecanoic acid, n-; (Stearic acid)	57-11-4	14	150	910	mg/m^3
39	Cyanide	57-12-5	6	8.3	50	mg/m^3
40	Urea	57-13-6	30	280	1,700	mg/m^3
41	**Dimethylhydrazine, 1,1-**	**57-14-7**	0.27	**3.0**	**11**	ppm
42	Strychnine	57-24-9	0.45	0.5	3	mg/m^3
43	Pentobarbital sodium; (Nembutal sodium)	57-33-0	0.35	3.9	23	mg/m^3
44	Physostigmine	57-47-6	0.41	4.5	27	mg/m^3
45	Propylene glycol; (1,2-Propanediol)	57-55-6	30	1,300	7,900	mg/m^3
46	Propiolactone, b-	57-57-8	1.5	5	30	ppm
47	Physostigmine salicylate (1:1)	57-64-7	0.23	2.5	15	mg/m^3
48	Chlordane	57-74-9	4.5	50	500	mg/m^3
49	Oxydiphenoxarsine, 10,10'-; (Phenoxarsine oxide)	58-36-6	5	14	84	mg/m^3
50	Lindane; (gamma-Benzenehexachloride)	58-89-9	9.1	100	1,000	mg/m^3
51	Chloro-m-cresol, 4-	59-50-7	5.5	60	360	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
52	Nicotinic acid; (Niacin)	59-67-6	21	230	1,400	mg/m^3
53	Phenylhydrazine hydrochloride	59-88-1	23	250	1,500	mg/m^3
54	Nitrosomorpholine	59-89-2	0.2	2.3	4.5	mg/m^3
55	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	4.1	45	200	mg/m^3
56	Phenylazo)aniline, p-(	60-09-3	0.66	7.2	43	mg/m^3
57	Dimethylaminoazobenzene, 4-	60-11-7	1.8	20	40	mg/m^3
58	Mercaptoethanol, 2-	60-24-2	0.6	3.5	29	ppm
59	Ethyl ether	60-29-7	500	3,200	19,000	ppm
60	**Monomethylhydrazine; (Methyl hydrazine)**	**60-34-4**	0.082	**0.9**	**2.7**	ppm
61	Acetamide	60-35-5	21	230	1,400	mg/m^3
62	Strychnine sulfate (2:1)	60-41-3	0.45	5	30	mg/m^3
63	Dimethoate	60-51-5	2.7	30	170	mg/m^3
64	Dieldrin	60-57-1	0.3	6.8	450	mg/m^3
65	Amitrole	61-82-5	0.6	23	220	mg/m^3
66	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	2	22	47	mg/m^3
67	Phenacetin; (p-Acetophenetidide)	62-44-2	7.3	80	330	mg/m^3
68	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	2.1	23	140	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
69	**Aniline**	**62-53-3**	**8**	**12**	**20**	ppm
70	Calcium acetate	62-54-4	13	140	850	mg/m^3
71	Thioacetamide	62-55-5	0.92	10	60	mg/m^3
72	Thiourea	62-56-6	0.38	4.1	25	mg/m^3
73	Dichlorovos; (Dichlorvos)	62-73-7	1.8	20	200	mg/m^3
74	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	0.15	0.5	5	mg/m^3
75	Nitrosodimethylamine	62-75-9	0.082	0.9	10	mg/m^3
76	Sodium oxalate	62-76-0	0.36	4	24	mg/m^3
77	Carbaryl	63-25-2	1.5	100	600	mg/m^3
78	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	4.3	48	290	mg/m^3
79	Sulfanilamide	63-74-1	13	140	830	mg/m^3
80	Cumenol methylcarbamate, m-; (3-(1-Methylethyl)phenol methylcarbamate)	64-00-6	0.095	1	6.3	mg/m^3
81	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)	64-02-8	75	830	5,000	mg/m^3
82	**Ethyl alcohol; (Ethanol)**	**64-17-5**	**1,800**	**3,300**	15,000	ppm
83	**Formic acid**	**64-18-6**	**3**	**25**	**250**	ppm
84	**Acetic acid**	**64-19-7**	**5**	**35**	**250**	ppm
85	Ammonium, tetramethyl-, bromide; (Tetramethylammonium bromide)	64-20-0	0.15	1.7	9.9	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
86	Diethyl sulfate	64-67-5	0.16	1.8	11	ppm
87	Tetracycline hydrochloride	64-75-5	1.6	17	1,300	mg/m^3
88	Colchicine	64-86-8	0.082	0.9	5.1	mg/m^3
89	Nicotine sulfate	65-30-5	0.82	9	18	mg/m^3
90	Benzoic acid	65-85-0	15	170	830	mg/m^3
91	Hexanal	66-25-1	6	66	86	ppm
92	Dinitrophenol, 2,3-	66-56-8	1.1	13	75	mg/m^3
93	Phenanthroline, 1,10-	66-71-7	0.25	2.7	16	mg/m^3
94	Cycloheximide	66-81-9	0.18	2	12	mg/m^3
95	Diethylenetriaminepentaacetic acid	67-43-6	3.5	39	230	mg/m^3
96	**Methyl alcohol; (Methanol)**	**67-56-1**	**530**	**2,100**	**7,200**	ppm
97	Isopropyl alcohol	67-63-0	400	2,000	12,000	ppm
98	**Acetone**	**67-64-1**	**200**	**3,200**	**5,700**	ppm
99	**Chloroform**	**67-66-3**	2	**64**	**3,200**	ppm
100	Dimethyl sulfoxide; (DMSO)	67-68-5	150	290	1,800	ppm
101	Dimethyl sulfone	67-71-0	15	170	990	mg/m^3
102	Hexachloroethane	67-72-1	3	36	300	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
103	Trisodium citrate	68-04-2	9.3	100	610	mg/m^3
104	Ethanaminium, N,N,N-triethyl-, iodide (1:1); (Tetraethylammoniumiodide; Ammonium, tetraethyl-, iodide)	68-05-3	0.67	1.3	7.6	mg/m^3
105	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	3	33	200	ppm
106	**Dimethylformamide, N,N-**	**68-12-2**	**2**	**91**	**530**	ppm
107	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	120	1,400	2,700	mg/m^3
108	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	0.1	1.1	18	mg/m^3
109	Hexachlorophene	70-30-4	0.17	1.8	11	mg/m^3
110	Toluenesulfonamide, p-; (Pasam)	70-55-3	7	77	460	mg/m^3
111	Aminopropiophenone, 4-	70-69-9	0.51	5.6	35	mg/m^3
112	n-Propanol (Propyl alcohol, n-)	71-23-8	250	670	4,000	ppm
113	Butyl alcohol, n-; (n-Butanol)	71-36-3	60	800	8,000	ppm
114	**Benzene**	**71-43-2**	**52**	**800**	**4,000**	ppm
115	**Trichloroethane, 1,1,1-; (Methyl chloroform)**	**71-55-6**	**230**	**600**	**4,200**	ppm
116	Digitoxin	71-63-6	0.016	0.18	15	mg/m^3
117	Ammonium, tetraethyl-, bromide; (Tetraethyl ammonium bromide)	71-91-0	1.1	12	43	mg/m^3
118	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	7.6	84	790	mg/m^3
119	Endrin	72-20-8	1.8	20	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
120	Methoxychlor	72-43-5	30	150	4,500	mg/m^3
121	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	0.49	5.4	32	mg/m^3
122	DDD; (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	2.1	24	3,000	mg/m^3
123	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	6.5	72	170	mg/m^3
124	Methane	74-82-8	65,000	2.30E+05	4.00E+05	ppm
125	**Methyl bromide; (Bromomethane)**	**74-83-9**	19	**210**	**740**	ppm
126	Ethane	74-84-0	65,000	2.30E+05	4.00E+05	ppm
127	Ethylene	74-85-1	600	6,600	40,000	ppm
128	Acetylene	74-86-2	65,000	2.30E+05	4.00E+05	ppm
129	**Methyl chloride**	**74-87-3**	**150**	**910**	**3,000**	ppm
130	**Methyl iodide**	**74-88-4**	**25**	**50**	**125**	ppm
131	**Monomethylamine; (Methylamine)**	**74-89-5**	**15**	**64**	**350**	ppm
132	**Hydrogen cyanide; (Hydrocyanic acid)**	**74-90-8**	**2.0**	**7.1**	**15**	ppm
133	**Methyl mercaptan**	**74-93-1**	**0.005**	**23**	**68**	ppm
134	Dibromomethane; (Methylene dibromide)	74-95-3	3	33	200	ppm
135	Bromoethane; (Ethyl bromide)	74-96-4	15	370	3,500	ppm
136	Bromochloromethane	74-97-5	600	830	5,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
137	**Propane**	**74-98-6**	**5,500**	**17,000**	**33,000**	ppm
138	Methyl acetylene	74-99-7	230	2,500	15,000	ppm
139	Ethyl chloride; (Chloroethane)	75-00-3	300	5,100	20,000	ppm
140	**Vinyl chloride**	**75-01-4**	**250**	**1,200**	**4,800**	ppm
141	Vinyl fluoride	75-02-5	570	6,200	37,000	ppm
142	Iodoethane; (Ethyl iodide)	75-03-6	2.1	24	140	ppm
143	**Ethylamine; (Monoethylamine; Ethylamine anhydrous)**	**75-04-7**	**7.5**	**49**	**270**	ppm
144	**Acetonitrile**	**75-05-8**	**13**	**50**	**150**	ppm
145	**Acetaldehyde**	**75-07-0**	**45**	**270**	**840**	ppm
146	**Ethanethiol; (Ethyl mercaptan)**	**75-08-1**	**1.0**	**120**	**360**	ppm
147	**Methylene chloride; (Dichloromethane)**	**75-09-2**	**200**	**560**	**6,900**	ppm
148	Methylene fluoride; (Difluoromethane; HFC-32)	75-10-5	3,000	6,500	39,000	ppm
149	Diiodomethane; (Methylene iodide)	75-11-6	2.4	27	160	mg/m^3
150	Formamide	75-12-7	30	110	650	ppm
151	Isocyanic acid	75-13-8	2	7.1	15	ppm
152	**Carbon disulfide**	**75-15-0**	**13**	**160**	**480**	ppm
153	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	0.25	2.7	16	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
154	**Dimethyl sulfide; (2-Thiopropane)**	**75-18-3**	**0.5**	**1,000**	**5,000**	ppm
155	Cyclopropane	75-19-4	70	770	5,600	ppm
156	Calcium carbide	75-20-7	120	1,300	7,900	mg/m^3
157	**Ethylene oxide; (Oxirane)**	**75-21-8**	5	**45**	**200**	ppm
158	Trimethylaluminum	75-24-1	16	170	1,000	mg/m^3
159	Bromoform; (Tribromomethane)	75-25-2	1.5	6.8	41	ppm
160	Bromopropane, 2-	75-26-3	120	1,300	1,400	ppm
161	Bromodichloromethane	75-27-4	1.3	14	85	mg/m^3
162	Methylpropane, 2-; (Isobutane)	75-28-5	5,500	17,000	53,000	ppm
163	Isopropyl chloride; (2-Chloropropane)	75-29-6	150	270	1,600	ppm
164	Isopropylamine; (2-Propanamine)	75-31-0	10	670	4,000	ppm
165	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	300	670	4,000	ppm
166	**Vinylidene chloride; (1,1-Dichloroethylene)**	**75-35-4**	45	**500**	**1,000**	ppm
167	Acetyl chloride	75-36-5	0.85	9.4	56	ppm
168	**Difluoroethane; (1,1-Difluoroethane; HFC 152a)**	**75-37-6**	**10,000**	**15,000**	**25,000**	ppm
169	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	1,500	5,600	11,000	ppm
170	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	30	8,300	50,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
171	**Phosgene**	**75-44-5**	0.027	**0.30**	**0.75**	ppm
172	Chlorodifluoromethane; (Freon 22; CFC 22)	75-45-6	1,250	2,400	14,000	ppm
173	Carbon trifluoride; (Trifluoromethane; Fluoroform)	75-46-7	350	3,800	23,000	ppm
174	**Trimethylamine**	**75-50-3**	**8.0**	**120**	**380**	ppm
175	Nitromethane	75-52-5	60	210	1,000	ppm
176	**Methyl dichlorosilane; (Dichloromethylsilane)**	**75-54-7**	**0.90**	**11**	**50**	ppm
177	**Propyleneimine, 1,2-**	**75-55-8**	0.4	**12**	**23**	ppm
178	**Propylene oxide; (Methyl ethylene oxide)**	**75-56-9**	**73**	**290**	**870**	ppm
179	Tetramethylammonium chloride	75-57-0	0.15	1.7	9.9	mg/m^3
180	Tetramethylammonium hydroxide	75-59-2	0.0093	0.1	0.62	mg/m^3
181	Cacodylic acid; (Arsenic acid, dimethyl-)	75-60-5	2.8	25	140	mg/m^3
182	Bromotrichloromethane	75-62-7	0.088	0.97	5.8	ppm
183	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	3,000	25,000	40,000	ppm
184	Butylamine, tert-	75-64-9	0.85	9.3	56	ppm
185	Butyl alcohol, tert; (tert-Butanol)	75-65-0	150	1,300	8,000	ppm
186	**Chloro-1,1-difluoroethane, 1-; (HCFC-142b)**	**75-68-3**	**10,000**	**15,000**	**25,000**	ppm
187	Trichlorofluoromethane; (Fluorotrichloromethane; Freon 11)	75-69-4	140	1,500	10,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
188	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	3,000	10,000	50,000	ppm
189	Chlorotrifluoromethane; (CFC-13)	75-72-9	3,000	33,000	2.00E+05	ppm
190	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	92	1,000	6,000	ppm
191	Tetramethyl lead	75-74-1	0.45	4	40	mg/m^3
192	Methanesulfonic acid	75-75-2	0.99	11	65	mg/m^3
193	Tetramethylsilane	75-76-3	280	360	740	ppm
194	**Trimethylchlorosilane**	**75-77-4**	**1.8**	**22**	**100**	ppm
195	**Dimethyldichlorosilane**	**75-78-5**	**0.90**	**11**	**50**	ppm
196	**Methyltrichlorosilane; (Trichloromethyl silane)**	**75-79-6**	**0.60**	**7.3**	**33**	ppm
197	Dimethyl butane, 2,2-	75-83-2	1,000	11,000	66,000	ppm
198	**Methyllactonitrile, 2-; (Acetone cyanohydrin)**	**75-86-5**	**2.0**	**7.1**	**15**	ppm
199	Trichloroacetaldehyde; (Chloral)	75-87-6	0.89	9.8	19	mg/m^3
200	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	0.9	10	24	ppm
201	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	0.37	4.1	22	ppm
202	**Vinyl trichlorosilane**	**75-94-5**	**0.60**	**7.3**	**33**	ppm
203	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	0.45	4.9	30	ppm
204	Trimethylacetic acid; (Pivalic acid)	75-98-9	2.7	30	180	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
205	Pentachloroethane	76-01-7	130	730	1,200	mg/m^3
206	Trichloroacetyl chloride	76-02-8	0.055	0.61	2.8	ppm
207	Trichloroacetic acid	76-03-9	1.5	16	99	ppm
208	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	0.13	1.4	8.5	ppm
209	**Chloropicrin; (Trichloronitromethane)**	**76-06-2**	**0.050**	**0.15**	**1.4**	ppm
210	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	150	1,600	15,000	ppm
211	Trichlorotrifluoroethane; (Freon 113; CFC113)	76-13-1	1,250	1,500	4,500	ppm
212	Dichlorotetrafluoroethane, 1,2-; (Freon 114, CFC 114)	76-14-2	3,000	10,000	50,000	ppm
213	Monochloropentafluoroethane; (CFC-115)	76-15-3	3,000	5,700	34,000	ppm
214	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	100	1,100	6,800	ppm
215	Heptachlor	76-44-8	0.15	14	700	mg/m^3
216	Bromothymol blue; (Dibromothymolsulfonphthalein)	76-59-5	30	330	2,000	mg/m^3
217	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	mg/m^3
218	Thymol blue; (6,6'-(3H-2,1-benzoxathiol-3-ylidene)dithymol, S,S-dioxide)	76-61-9	30	330	2,000	mg/m^3
219	Phenolphthalein	77-09-8	1.6	18	200	mg/m^3
220	Hexachlorocylopentadiene	77-47-4	0.03	0.55	1	ppm
221	Dibutyltin dilaurate; (Dibutylbis(lauroyloxy)stannane)	77-58-7	1.1	8	48	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
222	**Dicyclopentadiene**	**77-73-6**	**0.01**	**5**	**75**	ppm
223	Dimethoxypropane, 2,2-	77-76-9	0.067	0.73	4.4	ppm
224	**Dimethyl sulfate**	**77-78-1**	**0.024**	**0.12**	**1.6**	ppm
225	**Ethyl dimethylamido-cyanophosphate; (Tabun; GA)**	**77-81-6**	**4.20E-04**	**0.0053**	**0.039**	ppm
226	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	18	190	1,200	mg/m^3
227	Acetyl triethyl citrate	77-89-4	5.2	57	1,400	mg/m^3
228	Tributyl citrate	77-94-1	0.88	9.7	43	ppm
229	Triethylethanaminium hydroxide, N,N,N-; (Tetraethyl ammonium hydroxide)	77-98-5	1.2	13	79	mg/m^3
230	Tetraethyl lead	78-00-2	0.3	4	40	mg/m^3
231	Triethoxyvinylsilane	78-08-0	2.6	29	170	ppm
232	**Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)**	**78-10-4**	**25**	**100**	**300**	ppm
233	Pentaerythritol tetranitrate	78-11-5	1.2	13	330	mg/m^3
234	Tripentaerythritol	78-24-0	30	330	2,000	mg/m^3
235	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	0.3	13	40	ppm
236	Dioxathion	78-34-2	0.31	3.4	39	mg/m^3
237	Diethyl ethylphosphonate	78-38-6	1	11	460	mg/m^3
238	Triethyl phosphate; (TEP)	78-40-0	23	250	320	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
239	Tri(2-ethylhexyl) phosphate; (Trioctyl phosphate)	78-42-2	21	230	1,400	mg/m^3
240	Dibutyl butylphosphonate	78-46-6	0.018	0.2	1.2	ppm
241	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	1	11	68	mg/m^3
242	Butoxyethanol phosphate, 2-	78-51-3	9	99	590	mg/m^3
243	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	0.0099	0.11	0.65	mg/m^3
244	Isophorone	78-59-1	12	33	200	ppm
245	Diethoxydimethylsilane	78-62-6	2.8	31	180	ppm
246	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	4.1	45	130	mg/m^3
247	Bis(chloromethyl)oxetane, 3,3-	78-71-7	0.18	2	12	mg/m^3
248	Isopentane; (Ethyldimethylmethane; 2-Methylbutane)	78-78-4	3,000	33,000	2.00E+05	ppm
249	**Isoprene**	**78-79-5**	**5**	**1,000**	**4,000**	ppm
250	Isobutylamine	78-81-9	6	10	15	ppm
251	**Isobutyronitrile**	**78-82-0**	0.18	**2**	**6.1**	ppm
252	Isobutyl alcohol	78-83-1	150	1,300	8,000	ppm
253	Isobutyraldehyde	78-84-2	75	78	470	ppm
254	**Methacrylaldehyde**	**78-85-3**	**0.2**	**0.33**	**3.5**	ppm
255	Chlorobutane, 2-; (sec-Butyl chloride)	78-86-4	0.34	3.8	340	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
256	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	30	220	2,000	ppm
257	Dichloropropene, 2,3-	78-88-6	0.33	3.6	21	ppm
258	Propanediamine, 1,2-	78-90-0	6.7	74	440	mg/m^3
259	Butyl alcohol, sec-; (2-Butanol)	78-92-2	150	220	10,000	ppm
260	**Butanone, 2-; (Methyl ethyl ketone; MEK)**	**78-93-3**	**200**	**2,700**	**4,000**	ppm
261	**Methyl vinyl ketone; (3-Buten-2-one)**	**78-94-4**	**0.17**	**1.2**	**2.4**	ppm
262	**Chloroacetone**	**78-95-5**	0.4	**4.4**	**13**	ppm
263	Lactonitrile	78-97-7	0.24	2.6	16	mg/m^3
264	Dichloropropane, 1,1-	78-99-9	2.6	29	170	ppm
265	Trichloroethane, 1,1,2-	79-00-5	30	180	500	ppm
266	**Trichloroethylene**	**79-01-6**	**130**	**450**	**3,800**	ppm
267	Propionyl chloride	79-03-8	0.05	0.55	3.3	ppm
268	**Chloroacetyl chloride**	**79-04-9**	**0.040**	**1.6**	**52**	ppm
269	Acrylamide	79-06-1	0.09	44	100	mg/m^3
270	Bromoacetic acid	79-08-3	0.023	0.26	1.5	mg/m^3
271	Propionic acid	79-09-4	15	28	170	ppm
272	**Acrylic acid**	**79-10-7**	**1.5**	**46**	**180**	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
273	**Chloroacetic acid; (Monochloroacetic acid)**	**79-11-8**	1.5	**6.6**	15	ppm
274	Glycolic acid; (Hydroxyacetic acid)	79-14-1	25	280	390	mg/m^3
275	Thiosemicarbazide; (1-Amino-2-thiourea)	79-19-6	1.1	12	13	mg/m^3
276	Methyl acetate	79-20-9	250	1,700	10,000	ppm
277	**Peracetic acid**	**79-21-0**	**0.52**	**1.6**	**15**	mg/m^3
278	**Methyl chloroformate; (Methyl chlorocarbonate)**	**79-22-1**	0.6	**2.2**	**6.7**	ppm
279	Nitroethane	79-24-3	60	170	1,000	ppm
280	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	0.3	4.3	10	ppm
281	Isobutyric acid	79-31-2	0.23	2.6	15	ppm
282	Tetrachloroethane, 1,1,2,2-	79-34-5	3	120	150	ppm
283	**Dichloroacetyl chloride**	**79-36-7**	**0.040**	**1.6**	**52**	ppm
284	Oxalyl chlorine	79-37-8	0.77	8.5	51	ppm
285	**Chlorotrifluoroethylene**	**79-38-9**	**16**	**86**	**420**	ppm
286	Methacrylamide	79-39-0	1.3	15	91	mg/m^3
287	**Methacrylic acid**	**79-41-4**	**6.7**	**61**	**220**	ppm
288	Dichloroacetic acid	79-43-6	1.5	8.9	140	ppm
289	Dimethyl carbamoyl chloride	79-44-7	0.015	1.5	9.1	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
290	Nitropropane, 2-	79-46-9	30	380	2,300	ppm
291	Phenaglycodol; (Ultran; 2-p-Chlorophenyl-3-methyl-2,3-butanediol)	79-93-6	2.5	27	160	mg/m^3
292	Bisphenol A; (4,4'-Isopropylidenediphenol)	80-05-7	15	110	650	mg/m^3
293	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	2	22	200	mg/m^3
294	**Diphenyldichlorosilane**	**80-10-4**	**0.90**	**11**	**50**	ppm
295	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	0.15	1.6	9.7	ppm
296	Toluenesulfonic acid, methyl ester, p-	80-48-8	1	11	68	mg/m^3
297	Methyllactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	12	130	790	mg/m^3
298	**Methyl methacrylate**	**80-62-6**	**17**	**120**	**570**	ppm
299	Methyl-2-chloroacrylate	80-63-7	0.091	1	3.6	ppm
300	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	7.9	86	520	mg/m^3
301	Warfarin	81-81-2	1.8	20	350	mg/m^3
302	Diphacinone; (Diphenadione)	82-66-6	0.082	0.9	88	mg/m^3
303	Pentachloronitrobenzene	82-68-8	1.5	28	62	mg/m^3
304	Acenaphthene	83-32-9	3.6	40	240	mg/m^3
305	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	30	330	2,000	mg/m^3
306	Rotenone	83-79-4	15	420	2,500	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
307	Anthraquinone	84-65-1	0.87	9.6	57	mg/m^3
308	Diethyl phthalate; (Ethyl phthalate)	84-66-2	15	240	1,700	mg/m^3
309	Dibutyl phthalate	84-74-2	15	84	9,300	mg/m^3
310	Phenanthrene	85-01-8	2.1	23	360	mg/m^3
311	Memtetrahydrophthalic anhydride; (Tetrahydrophthalic anhydride)	85-43-8	16	180	1,100	mg/m^3
312	Phthalic anhydride	85-44-9	18	56	10,000	mg/m^3
313	Phthalic acid, benzyl butyl ester; (Benzyl butyl phthalate)	85-68-7	15	77	460	mg/m^3
314	Diphenylnitrosamine	86-30-6	5.5	60	360	mg/m^3
315	Azinphos methyl; (Guthion)	86-50-0	0.6	0.7	20	mg/m^3
316	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	3	33	200	mg/m^3
317	Fluorene, 9H-	86-73-7	6.6	72	430	mg/m^3
318	Carbazole	86-74-8	0.66	7.2	43	mg/m^3
319	Naphthaleneacetamide, 1-	86-86-2	5.1	56	330	mg/m^3
320	Naphthylthiourea, alpha-; (ANTU)	86-88-4	0.91	10	100	mg/m^3
321	Xylidine, o-; (2,3-Xylidine)	87-59-2	10	25	150	ppm
322	Trichlorobenzene, 1,2,3-	87-61-6	15	60	360	mg/m^3
323	Xylidine, 2,6-	87-62-7	1.5	25	150	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
324	Dichlorophenol, 2,6-	87-65-0	8.8	97	580	mg/m^3
325	Pyrogallic acid	87-66-1	0.41	4.5	20	mg/m^3
326	**Hexachlorobutadiene**	**87-68-3**	**1**	**3**	**10**	ppm
327	Tartaric acid	87-69-4	1.6	17	100	mg/m^3
328	Pentachlorophenol	87-86-5	1	15	150	mg/m^3
329	Trichloroisocyanuric acid	87-90-1	38	420	2,500	mg/m^3
330	Diethyl tartrate	87-91-2	30	330	2,000	mg/m^3
331	Trimethylaniline, 2,4,6-	88-05-1	0.26	2.9	10	mg/m^3
332	Trichlorophenol, 2,4,6-	88-06-2	2.5	27	160	mg/m^3
333	Vinyl-2-pyrrolidinone, 1-	88-12-0	0.15	6.3	31	ppm
334	Chlorobenzotrifluoride, 2-	88-16-4	4.8	53	320	mg/m^3
335	Trifluoro-4-nitro-m-cresol, alpha,alpha,alpha-; (4-Nitro-3-(trifluoromethyl)phenol)	88-30-2	0.42	4.7	28	mg/m^3
336	Di-tert-butylhydroquinone, 2,5-	88-58-4	6.3	69	110	mg/m^3
337	Nitrotoluene, o-	88-72-2	6	33	200	ppm
338	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	6.2	68	410	mg/m^3
339	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	2.1	23	140	mg/m^3
340	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	0.41	4.5	5.4	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
341	Picric acid	88-89-1	0.3	17	100	mg/m^3
342	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	0.14	1.6	9.5	ppm
343	Phthalic acid	88-99-3	24	260	1,600	mg/m^3
344	Pyromellitic acid	89-05-4	0.98	11	65	mg/m^3
345	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	11	120	690	mg/m^3
346	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	6.8	74	450	mg/m^3
347	Chloro-2-nitrophenol, 4-	89-64-5	12	130	790	mg/m^3
348	Trichloronitrobenzene, 2,4,5-	89-69-0	2.3	25	150	mg/m^3
349	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	2.9	32	190	mg/m^3
350	Dihydroxybenzoic acid, 2,4-	89-86-1	2.6	29	170	mg/m^3
351	Salicylaldehyde	90-02-8	1.6	17	100	mg/m^3
352	Anisidine, o-	90-04-0	1.5	8.3	50	mg/m^3
353	Bromonaphthalene	90-11-9	2.4	27	160	mg/m^3
354	Methylnaphthalene, 1-	90-12-0	20	61	360	mg/m^3
355	Chloronaphthalene, 1-; (alpha-Chloronaphthalene)	90-13-1	4.6	51	310	mg/m^3
356	Naphthol, 1-	90-15-3	2.2	25	450	mg/m^3
357	Phenylphenol, 2-	90-43-7	29	320	400	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
358	Hydroxyphenylacetic acid, alpha-	90-64-2	25	270	1,600	mg/m^3
359	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	3.6	40	240	mg/m^3
360	Michler's ketone; (4,4'-Bis(dimethylamino)benzophenone)	90-94-8	30	330	2,000	mg/m^3
361	**Toluene-2,6-diisocyanate**	**91-08-7**	**0.020**	**0.083**	**0.51**	ppm
362	Dimethoxybenzene, o-	91-16-7	2.7	29	180	mg/m^3
363	Decahydronaphthalene, includes -cis (493-01-6) and -trans (493-02-7) isomers	91-17-8	2.4	27	31	ppm
364	Naphthalene	91-20-3	15	83	500	ppm
365	Quinoline	91-22-5	0.003	2.9	17	ppm
366	Methylnaphthalene, 2-	91-57-6	9	54	320	mg/m^3
367	Chloronaphthalene, 2-; (beta-Chloronaphthalene)	91-58-7	6.2	69	410	mg/m^3
368	Naphthylamine, beta-	91-59-8	2.2	24	140	mg/m^3
369	Coumarin	91-64-5	0.88	9.7	58	mg/m^3
370	Diethylaniline, N,N-	91-66-7	1.3	14	85	mg/m^3
371	Dichlorobenzidene, 3,3'-	91-94-1	2.1	23	140	ppm
372	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	30	330	2,000	mg/m^3
373	**Diphenyl; (Biphenyl)**	**92-52-4**	0.87	**9.6**	300	ppm
374	Aminodiphenyl, p-	92-67-1	1.3	15	99	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
375	Biphenylol, 4-	92-69-3	0.49	5.4	32	mg/m^3
376	Diphenyloxazole, 2,5-	92-71-7	2.5	27	160	mg/m^3
377	Benzidine	92-87-5	0.93	10	61	mg/m^3
378	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	92-93-3	6.7	74	440	mg/m^3
379	Terphenyl, p-	92-94-4	0.45	5	150	mg/m^3
380	Naphthol-6-sulfonic acid, 6-; (Schaeffer's acid)	93-01-6	0.54	6	36	mg/m^3
381	Methyl benzoate; (Benzoic acid, methyl ester)	93-58-3	1.1	12	42	ppm
382	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (Silvex)	93-72-1	0.82	9	130	mg/m^3
383	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	30	42	250	mg/m^3
384	Ethyl benzoate	93-89-0	6.3	69	420	mg/m^3
385	Benzoyl peroxide	94-36-0	15	1,200	7,000	mg/m^3
386	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	5.9	64	390	mg/m^3
387	Dichlorophenoxyacetic acid, 2,4-; (2,4-D)	94-75-7	30	94	500	mg/m^3
388	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	6.9	75	90	ppm
389	Indene	95-13-6	15	22	130	ppm
390	Benzotriazole	95-14-7	1.2	13	77	mg/m^3
391	Benzothiazole	95-16-9	2.8	30	75	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
392	Dimethylglyoxime; (Diacetyldioxime)	95-45-4	0.99	11	65	mg/m^3
393	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	75	310	1,800	ppm
394	Dichlorobenzene, o-	95-50-1	50	170	1,000	ppm
395	Toluidine, o-	95-53-4	6	8.2	100	ppm
396	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	0.3	35	210	mg/m^3
397	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	12	130	260	mg/m^3
398	Chlorophenol, o-	95-57-8	2.3	25	150	mg/m^3
399	**Trimethylbenzene, 1,2,4-; (Pseudocumene)**	**95-63-6**	**140**	**360**	480	ppm
400	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	0.015	3.3	20	ppm
401	Diethyl oxalate	95-92-1	1.2	13	79	mg/m^3
402	Tetramethylbenzene, 1,2,4,5-	95-93-2	20	220	1,300	mg/m^3
403	Tetrachlorobenzene, 1,2,4,5-	95-94-3	0.66	7.2	340	mg/m^3
404	Trichlorophenol, 2,4,5-	95-95-4	2.5	27	160	mg/m^3
405	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	0.33	3.6	21	ppm
406	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	27	290	1,800	mg/m^3
407	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	0.003	2.2	4.3	ppm
408	Methylpentane, 3-	96-14-0	1,000	11,000	66,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
409	Trichloropropane, 1,2,3-	96-18-4	0.015	170	1,000	ppm
410	Pentanone, 3-; (Diethyl ketone)	96-22-0	300	830	5,000	ppm
411	Dichloro-2-propanol, 1,3-	96-23-1	0.33	3.6	5.4	ppm
412	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	0.011	0.12	5.4	ppm
413	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	30	56	250	ppm
414	Bromo acetic acid, methyl ester	96-32-2	0.069	0.76	4.6	mg/m^3
415	Methyl acrylate	96-33-3	6	170	1,000	ppm
416	Methylcyclopentane	96-37-7	14	160	940	ppm
417	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	0.085	0.94	110	mg/m^3
418	Methyltetrahydrofuran, 2-	96-47-9	4	44	260	ppm
419	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	3.6	39	310	mg/m^3
420	Glycol carbonate; (Ethylene carbonate)	96-49-1	30	330	2,000	mg/m^3
421	Methylpyrrole, N-	96-54-8	120	1,300	7,900	mg/m^3
422	**Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate; GD)**	**96-64-0**	**1.80E-04**	**0.0022**	**0.017**	ppm
423	Bis(3-tert-butyl-4-hydroxy-6-methylphenyl) sulfide; (4,4'-Thiobis(6-tert-butyl-m-cresol))	96-69-5	3	82	460	mg/m^3
424	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0	1.5	17	99	mg/m^3
425	Chloro-2,4-dinitrobenzene, 1-	97-00-7	1.6	18	150	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
426	Dinitroaniline, 2,4-	97-02-9	0.86	9.4	56	mg/m^3
427	Sulfosalicylic acid	97-05-2	7.4	81	490	mg/m^3
428	Dichlorophene	97-23-4	4.5	50	300	mg/m^3
429	Solvent Yellow 3; (2-Amino-5-azotoluene)	97-56-3	1.9	21	120	mg/m^3
430	Ethyl methacrylate; (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	5.5	61	370	ppm
431	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	0.19	2	12	ppm
432	Disulfiram	97-77-8	6	17	99	mg/m^3
433	Tetramethyl-1,3-butanediamine, N,N,N',N'-; (Tetramethyl butanediamine)	97-84-7	1.4	16	94	mg/m^3
434	Isobutyl isobutyrate	97-85-8	23	250	1,500	mg/m^3
435	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	19	210	1,300	mg/m^3
436	Ethylene glycol dimethacrylate	97-90-5	9.9	110	650	mg/m^3
437	Triethylaluminum	97-93-8	25	280	1,700	mg/m^3
438	Chloroacetaldehyde dimethyl acetal	97-97-2	12	130	790	mg/m^3
439	Furfuryl alcohol	98-00-0	15	42	250	ppm
440	**Furancarboxaldehyde, 2-; (Furfural)**	**98-01-1**	**2**	**10**	**100**	ppm
441	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	0.025	0.27	13	mg/m^3
442	Butylbenzene, tert-	98-06-6	1.7	18	110	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
443	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	0.064	0.7	5.3	mg/m^3
444	Benzotrifluoride	98-08-8	19	220	1,300	mg/m^3
445	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	0.77	8.4	51	mg/m^3
446	**Trichlorophenylsilane**	**98-13-5**	**0.60**	**7.3**	**33**	ppm
447	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	0.4	4.4	19	mg/m^3
448	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	0.18	2	560	mg/m^3
449	Butylcyclohexanone, p-tert-	98-53-3	15	170	990	mg/m^3
450	Tert-butylphenol, p-; (Tert-butylphenol, 4-)	98-54-4	1.5	40	240	mg/m^3
451	Toluenesulfonyl chloride, p-	98-59-9	0.45	5	30	mg/m^3
452	Benzenesulfonic acid, 4-chloro	98-66-8	1.5	17	99	mg/m^3
453	Hydroxybenezenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	10	120	690	mg/m^3
454	Tert-butyl benzoic acid, p-	98-73-7	6	23	140	mg/m^3
455	Phenylboric acid; (Benzeneboronic acid)	98-80-6	2.2	24	150	mg/m^3
456	**Cumene; (Isopropyl benzene)**	**98-82-8**	**50**	**300**	**730**	ppm
457	Methylstyrene, alpha-	98-83-9	100	830	5,000	ppm
458	Acetophenone	98-86-2	30	87	520	mg/m^3
459	Benzal chloride	98-87-3	0.21	2.3	14	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
460	**Benzoyl chloride**	**98-88-4**	**0.3**	**5**	**20**	ppm
461	Nicotinamide	98-92-0	5.6	62	690	mg/m^3
462	Dimethylaminocyclohexane, N,N-	98-94-2	1	11	66	mg/m^3
463	Nitrobenzene	98-95-3	3	20	200	ppm
464	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	1.2	13	78	mg/m^3
465	Nitrotoluene, m-	99-08-1	6	14	200	ppm
466	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	1.6	18	110	mg/m^3
467	Dibromo-4-nitrophenol, 2,6-	99-28-5	0.015	0.17	1	ppm
468	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	7.2	79	480	mg/m^3
469	Trinitrobenzene, 1,3,5-	99-35-4	1.5	16	54	mg/m^3
470	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	3	19	110	mg/m^3
471	Diisopropylbenzene, 1,3-	99-62-7	2	23	180	mg/m^3
472	Dinitrobenzene, -m, -o, and -p isomers (528-29-0 and 100-25-4)	99-65-0	3	33	200	mg/m^3
473	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	120	1,300	1,900	mg/m^3
474	Hydroxybenzoic acid, 4-; (p-Salicylic acid)	99-96-7	15	110	240	mg/m^3
475	Dimethyl-p-phenylenediamine, N,N-	99-98-9	0.012	0.13	9.9	mg/m^3
476	Nitrotoluene, p-	99-99-0	6	33	200	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
477	Chloronitrobenzene, p-; (p-Nitrochlorobenzene)	100-00-5	1.9	170	1,000	mg/m^3
478	Nitroaniline, p-	100-01-6	9	71	300	mg/m^3
479	Nitrophenol, 4-; (p-Nitrophenol); Includes 25154-55-6 (mixed isomers)	100-02-7	0.69	7.6	46	mg/m^3
480	Dimethylaminobenzaldehyde, p-	100-10-7	8.2	90	250	mg/m^3
481	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	2.5	28	360	mg/m^3
482	Bis(1-methylethyl)benzene, 1,4-; (p- or 1,4-Diisopropylbenzene)	100-18-5	2.7	30	180	mg/m^3
483	Terephthaloyl chloride; (Benzenedicarbonyl dichloride, 1,4-)	100-20-9	7.5	83	500	mg/m^3
484	Terephthalic acid	100-21-0	30	140	840	mg/m^3
485	Diethylethanolamine, N,N-; (Diethylaminoethanol)	100-37-8	6	83	500	ppm
486	Bromotoluene, A-; (Benzyl bromide)	100-39-0	0.41	4.5	27	mg/m^3
487	Vinylcyclohexene, 4-; (Cyclohexenylethylene)	100-40-3	0.3	210	340	ppm
488	**Ethyl benzene**	**100-41-4**	**33**	**1,100**	**1,800**	ppm
489	**Styrene**	**100-42-5**	**20**	**130**	**1,100**	ppm
490	**Benzyl chloride**	**100-44-7**	**1**	**10**	**50**	ppm
491	Benzylamine	100-46-9	2	22	130	mg/m^3
492	**Benzonitrile**	**100-47-0**	0.56	**6.2**	**19**	ppm
493	Benzyl alcohol	100-51-6	30	52	740	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
494	Benzaldehyde	100-52-7	4	9.9	59	ppm
495	Phenylmagnesium bromide	100-58-3	1.2	13	79	mg/m^3
496	Methylaniline, N-	100-61-8	1.5	17	100	ppm
497	Phenylhydrazine	100-63-0	0.3	6.4	295	ppm
498	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	1.6	18	110	mg/m^3
499	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	3.9	43	260	ppm
500	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	1.2	13	79	mg/m^3
501	Hexamethylenetetraamine; (Methenamine)	100-97-0	55	610	3,600	mg/m^3
502	Triisobutylaluminum	100-99-2	44	290	1,800	mg/m^3
503	Triphenyl phosphite	101-02-0	4.8	53	320	mg/m^3
504	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	0.03	0.94	21	ppm
505	Bromophenyl phenyl ether, 4-	101-55-3	0.33	3.6	21	mg/m^3
506	**Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)**	**101-68-8**	0.45	**5**	**55**	mg/m^3
507	Methylenedianiline, 4,4'-	101-77-9	0.1	3.4	20	ppm
508	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	2.2	24	140	mg/m^3
509	Diphenylmethane	101-81-5	6.8	74	450	mg/m^3
510	Phenyl ether; (Diphenyl ether)	101-84-8	2	16	96	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
511	Diphenylguanidine, 1,3-	102-06-7	0.97	11	64	mg/m^3
512	Trimethoxyboroxine	102-24-9	15	170	1,000	mg/m^3
513	Isocyanic acid, 3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	1.3	14	120	mg/m^3
514	Tetramethoxypropane, 1,1,3,3-; (Malonaldehyde bis(dimethyl acetal))	102-52-3	12	130	790	mg/m^3
515	Ethylenedinitrilo)tetra-2-propanol, 1,1',1'',1'''-(	102-60-3	34	370	2,200	mg/m^3
516	Tripropylamine	102-69-2	0.58	6.4	38	ppm
517	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	15	240	1,500	mg/m^3
518	Triacetin; (Triacetyl glycerin)	102-76-1	19	210	1,200	mg/m^3
519	Tri-n-butylamine	102-82-9	0.049	0.54	3.2	ppm
520	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	12	130	790	mg/m^3
521	Ethylhexyl acrylate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	15	120	150	ppm
522	Di-2-ethylhexyl adipate	103-23-1	2	23	1,500	mg/m^3
523	Ethanediyl)bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	14	150	890	mg/m^3
524	Propylbenzene, n-; (Isocumene)	103-65-1	3	33	2,300	ppm
525	**Phenyl isocyanate**	**103-71-9**	8.70E-04	**0.0096**	**0.029**	ppm
526	Benzyldimethylamine; (Dimethylbenzylamine, N,N-; BDMA)	103-83-3	0.62	6.8	41	mg/m^3
527	Acetanilide	103-84-4	0.77	8.4	160	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
528	Phenylthiourea; (1-Phenyl-2-thiourea)	103-85-5	0.27	3	18	mg/m^3
529	Nonyl phenol, p-	104-40-5	4.1	45	320	mg/m^3
530	Phenylene diisocyanate, 1,4-	104-49-4	1	11	14	mg/m^3
531	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	6.2	68	410	ppm
532	Ethanediylbis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	30	330	2,000	mg/m^3
533	**Ethyl-1-hexanol, 2-**	**104-76-7**	**0.1**	**100**	**200**	ppm
534	Diethylaminopropylamine	104-78-9	1.7	18	110	mg/m^3
535	Nitrosophenol, p-	104-91-6	1.1	12	71	mg/m^3
536	Anisidine, p-	104-94-9	1.5	8.3	50	mg/m^3
537	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	9.6	110	630	mg/m^3
538	Methoxybenzyl alcohol, 4-	105-13-5	2.2	25	260	mg/m^3
539	Novol ketone; (5-dithylamino-2-pentanone)	105-14-6	0.62	6.9	41	mg/m^3
540	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	0.087	0.96	67	ppm
541	Ethyl bromoacetate	105-36-2	0.18	1.9	12	ppm
542	Ethyl propionate	105-37-3	6.3	69	410	ppm
543	Ethyl chloroacetate	105-39-5	0.11	1.2	7.1	ppm
544	Butyl acetate, sec-	105-46-4	600	1,700	10,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
545	Diethyl malonate; (Ethyl malonate)	105-53-3	6.9	76	450	ppm
546	Diethylthiourea, N,N'-	105-55-5	0.95	10	63	mg/m^3
547	Diethyl carbonate	105-58-8	12	140	810	ppm
548	Caprolactam (dust)	105-60-2	3	40	240	mg/m^3
549	Diisopropyl peroxydicarbonate	105-64-6	6.4	71	420	mg/m^3
550	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	6.9	76	460	mg/m^3
551	Dilauroyl peroxide	105-74-8	30	330	2,000	mg/m^3
552	Quinhydrone	106-34-3	0.21	2.3	14	mg/m^3
553	Ethyl butyl ketone; (3-Heptanone)	106-35-4	75	500	3,000	ppm
554	Bromochlorobenzene, p-	106-39-8	12	130	790	mg/m^3
555	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	1.2	13	80	ppm
556	Thiocresol, p-; (p-Toluenethiol)	106-45-6	0.66	7.2	43	mg/m^3
557	Dichlorobenzene, p-	106-46-7	30	170	1,000	ppm
558	Chloroaniline, p-	106-47-8	6.1	68	100	mg/m^3
559	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	1.5	17	99	mg/m^3
560	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	6	8.2	30	ppm
561	Phenylenediamine, 1,4-; (p-Phenylenediamine)	106-50-3	0.3	6.8	41	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
562	Benzoquinone, p-; (Quinone)	106-51-4	0.3	11	68	ppm
563	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	2.5	28	170	ppm
564	Epoxyethyl)-7-oxabicyclo(4.1.0)heptane, 3-(; (Vinyl cyclohexene dioxide)	106-87-6	0.3	5.9	35	ppm
565	**Epoxybutane, 1,2-; (1,2-Butylene oxide)**	**106-88-7**	**72**	**140**	**330**	ppm
566	**Epichlorohydrin**	**106-89-8**	**1.7**	**24**	**72**	ppm
567	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	0.081	0.89	5.4	ppm
568	**Ethylene dibromide; (Dibromoethane)**	**106-93-4**	**17**	**24**	**46**	ppm
569	Bromopropane, 1-	106-94-5	0.3	120	700	ppm
570	Allyl bromide; (3-Bromopropene)	106-95-6	0.2	12	71	ppm
571	Propargyl bromide	106-96-7	1.4	63	380	mg/m^3
572	**Butane**	**106-97-8**	**5,500**	**17,000**	**53,000**	ppm
573	Butene, 1-; (Butylene)	106-98-9	750	2,900	17,000	ppm
574	**Butadiene, 1,3-**	**106-99-0**	**670**	**5,300**	**22,000**	ppm
575	Butene, 2-	107-01-7	750	1,100	6,600	ppm
576	**Acrolein**	**107-02-8**	**0.030**	**0.10**	**1.4**	ppm
577	Propanethiol; (n-Propylmercaptan)	107-03-9	0.045	0.5	320	ppm
578	**Allyl chloride**	**107-05-1**	**2.8**	**54**	**140**	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
579	**Ethylene dichloride; (1,2-Dichloroethane)**	**107-06-2**	**50**	**200**	**300**	ppm
580	**Ethylene chlorohydrin; (2-Chloroethanol)**	**107-07-3**	0.11	**1.2**	**3.5**	ppm
581	Propanamine, 1-; (Propylamine)	107-10-8	5.4	59	100	ppm
582	**Allylamine**	**107-11-9**	**0.42**	**3.3**	**18**	ppm
583	**Propionitrile; (Propiononitrile)**	**107-12-0**	0.27	**3.0**	**9.1**	ppm
584	**Acrylonitrile**	**107-13-1**	0.15	**1.7**	**28**	ppm
585	**Chloroacetonitrile**	**107-14-2**	0.45	**5**	**15**	ppm
586	**Ethylenediamine, 1,2-**	**107-15-3**	0.88	**9.7**	**20**	ppm
587	Formaldehyde cyanohydrin; (Hydroxyacetonitrile; Glycolonitrile)	107-16-4	0.24	2.6	11	ppm
588	**Allyl alcohol**	**107-18-6**	**0.09**	**1.7**	**13**	ppm
589	**Propargyl alcohol**	**107-19-7**	**2.5**	**16**	**72**	ppm
590	**Chloroacetaldehyde**	**107-20-0**	**1.3**	**2.2**	**9.9**	ppm
591	Ethylene glycol	107-21-1	30	40	60	ppm
592	Glyoxal; (Ethanedione, 1, 2-)	107-22-2	0.3	46	280	mg/m^3
593	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	0.04	0.53	2.6	mg/m^3
594	**Chloromethyl methyl ether**	**107-30-2**	0.043	**0.47**	**2.0**	ppm
595	Methyl formate; (Formic acid, methyl ester)	107-31-3	100	830	5,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
596	**Allyltrichlorosilane**	**107-37-9**	**0.60**	**7.3**	**33**	ppm
597	Trimethyl-1-pentene, 2,4,4-; (Diisobutylene)	107-39-1	230	2,500	15,000	ppm
598	Hexylene glycol	107-41-5	2.3	25	150	ppm
599	Betaine, anhydrous; (Glycine betaine)	107-43-7	30	330	2,000	mg/m^3
600	**Isopropyl methanefluoro-phosphonate; (Sarin; GB)**	**107-44-8**	**4.80E-04**	**0.0060**	**0.022**	ppm
601	Hexamethyldisiloxane	107-46-0	13	140	150	ppm
602	Tetraethyl pyrophosphate; (TEPP)	107-49-3	0.091	1	10	mg/m^3
603	Dibutyl phosphate	107-66-4	2	21	125	ppm
604	**Amyltrichlorosilane; (Pentyltrichlorosilane)**	**107-72-2**	**0.60**	**7.3**	**33**	ppm
605	Bromo-3-methylbutane, 1-	107-82-4	6	66	390	ppm
606	Methylpentane, 2-; (Isohexane)	107-83-5	1,000	11,000	66,000	ppm
607	Pentanone, 2-; (Methyl propyl ketone)	107-87-9	150	830	5,000	ppm
608	Butanediol, 1,3-	107-88-0	120	1,300	4,500	mg/m^3
609	Cyanoacetamide	107-91-5	2.8	30	180	mg/m^3
610	Butyric acid; (n-Butyric acid)	107-92-6	1.4	16	110	ppm
611	Mercaptopropionic acid, 3-	107-96-0	0.29	3.2	19	mg/m^3
612	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	107-98-2	100	160	660	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
613	Dimethylaminoethanol, 2-	108-01-0	3.7	40	72	ppm
614	Nitropropane, 1-	108-03-2	75	380	2,300	ppm
615	**Vinyl acetate**	**108-05-4**	**6.7**	**36**	**180**	ppm
616	Methyl isobutyl ketone; (Hexone)	108-10-1	75	500	3,000	ppm
617	Diisopropylamine	108-18-9	15	170	1,000	ppm
618	Isopropyl ether; (Diisopropyl ether)	108-20-3	310	1,700	10,000	ppm
619	Isopropyl acetate	108-21-4	200	2,700	16,000	ppm
620	**Isopropyl chloroformate; (Isopropyl chlorocarbonate)**	**108-23-6**	0.3	**3.3**	**10**	ppm
621	**Acetic anhydride**	**108-24-7**	**0.5**	**15**	**100**	ppm
622	Succinic anhydride	108-30-5	4.5	50	300	mg/m^3
623	**Maleic anhydride**	**108-31-6**	**0.2**	**2**	**20**	ppm
624	Propylene carbonate, 1,2-	108-32-7	3.3	37	220	mg/m^3
625	Bromochlorobenzene, m-	108-37-2	12	130	790	mg/m^3
626	Xylene, m- (inlcudes o- (95-47-6) and p- (106-42-3) isomers)	108-38-3	150	200	1,000	ppm
627	Toluenethiol, m-	108-40-7	0.16	1.8	11	mg/m^3
628	Chlorophenol, m-	108-43-0	2.1	23	140	mg/m^3
629	Toluidine, m-; (3-Methylaniline)	108-44-1	6	8.2	54	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
630	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	0.3	21	130	mg/m^3
631	Resorcinol	108-46-3	20	28	170	ppm
632	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	0.14	1.5	9	ppm
633	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	31	340	2,000	ppm
634	Dichloroisopropyl ether	108-60-1	0.15	1.6	22	ppm
635	**Propylene glycol monomethyl ether acetate, alpha-isomer; (1-Methoxypropyl-2-acetate)**	**108-65-6**	**50**	**1,000**	**5,000**	ppm
636	**Mesitylene; (1,3,5-Trimethylbenzene)**	**108-67-8**	**140**	**360**	480	ppm
637	Trimethylpyridine, 2,4,6-	108-75-8	1.3	14	85	ppm
638	Cyanuric chloride	108-77-0	0.41	4.5	7.7	mg/m^3
639	Melamine	108-78-1	30	340	630	mg/m^3
640	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	30	250	1,500	mg/m^3
641	Diisobutyl ketone	108-83-8	75	330	2,000	ppm
642	Bromobenzene; (Phenyl bromide)	108-86-1	2.6	29	74	ppm
643	Methylcyclohexane	108-87-2	1,200	1,700	10,000	ppm
644	**Toluene**	**108-88-3**	**67**	**560**	**3,700**	ppm
645	**Chlorobenzene; (Benzene chloride)**	**108-90-7**	**10**	**150**	**400**	ppm
646	**Cyclohexylamine**	**108-91-8**	**1.8**	**8.6**	**30**	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
647	Cyclohexanol	108-93-0	150	580	3,500	ppm
648	Cyclohexanone; (Ketohexamethylene)	108-94-1	60	830	5,000	ppm
649	**Phenol**	**108-95-2**	**15**	**23**	**200**	ppm
650	**Phenyl mercaptan; (benzenethiol,thiophenol)**	**108-98-5**	0.3	**0.53**	**1.6**	ppm
651	Methyl pyridine, 3-; (3-Picoline)	108-99-6	5	49	300	ppm
652	Methylmorpholine, 4-	109-02-4	1.3	14	86	ppm
653	Methylpyridine, 2-; (2-Picoline)	109-06-8	5	7.7	46	ppm
654	Methacrylic acid, diester with triethylene glycol; (Polyester TGM3)	109-16-0	33	360	2,100	mg/m^3
655	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	2.3	26	150	ppm
656	Valeric acid; (n-Pentanoic acid)	109-52-4	2.2	24	140	mg/m^3
657	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	1.2	13	89	ppm
658	Propyl acetate, n-	109-60-4	250	1,300	8,000	ppm
659	**Propyl chloroformate; (Propyl chlorocarbonate)**	**109-61-5**	0.34	**3.7**	**11**	ppm
660	Boron trifluoride etherate	109-63-7	2.5	29	88	mg/m^3
661	Dibromopropane, 1,3-	109-64-8	3.1	34	100	mg/m^3
662	Butyl bromide, n-; (1-Bromobutane)	109-65-9	4.4	49	290	ppm
663	Pentane, n-	109-66-0	3,000	33,000	2.00E+05	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
664	Pentene, 1-	109-67-1	100	1,200	7,700	ppm
665	Chlorobutane, 1-; (Butyl chloride)	109-69-3	4.1	45	340	ppm
666	Butyl lithium	109-72-8	30	330	2,000	mg/m^3
667	Butylamine, n-	109-73-9	6	50	300	ppm
668	Butanenitrile; (Butyronitrile)	109-74-0	0.76	8.3	50	ppm
669	Propanediamine, 1,3-	109-76-2	0.93	10	61	mg/m^3
670	**Propanedinitrile; (Malononitrile)**	**109-77-3**	0.07	**0.77**	**2.3**	ppm
671	Butanethiol; (n-Butyl mercaptan)	109-79-5	4.5	50	2,500	ppm
672	Methylamino)ethanol, 2-(	109-83-1	2.3	25	150	ppm
673	Methoxyethylamine, 2-	109-85-3	0.43	4.7	28	ppm
674	Ethylene glycol monomethyl ether; (2-Methoxyethanol; EGME; Methyl Cellosolve(R))	109-86-4	0.3	14	2,000	ppm
675	Methylal; (Dimethoxymethane)	109-87-5	230	2,500	15,000	ppm
676	Diethylamine	109-89-7	15	330	2,000	ppm
677	**Ethyl isocyanate**	**109-90-0**	0.0031	**0.034**	**0.1**	ppm
678	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	10	110	690	ppm
679	Ethyl formate	109-94-4	100	1,300	8,000	ppm
680	Ethyl nitrite	109-95-5	0.11	1.2	7.1	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
681	Pyrrole; (Imidole)	109-97-7	0.12	1.3	7.7	ppm
682	**Tetrahydrofuran**	**109-99-9**	**100**	**500**	**5,000**	ppm
683	**Furan**	**110-00-9**	0.62	**6.8**	**19**	ppm
684	Dibutyl peroxide, tert-	110-05-4	7.3	81	180	ppm
685	Methyl-2-hexanone, 5-; (Methyl isoamyl ketone)	110-12-3	50	69	190	ppm
686	Succinic acid	110-15-6	6.8	75	450	mg/m^3
687	Maleic acid	110-16-7	2.1	23	140	mg/m^3
688	Tetramethyl ethylene diamine	110-18-9	3.2	35	58	ppm
689	Isobutyl acetate	110-19-0	450	1,300	7,500	ppm
690	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	1.2	13	79	mg/m^3
691	Methylenebisacrylamide, N,N'-	110-26-9	0.64	7.1	77	mg/m^3
692	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	81	900	5,400	mg/m^3
693	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	2.1	23	140	ppm
694	Methyl n-amyl ketone	110-43-0	150	670	4,000	ppm
695	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	0.48	5.3	32	ppm
696	Ethylene glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	0.3	670	4,000	ppm
697	**Hexane**	**110-54-3**	260	**2,900**	**8,600**	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
698	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	0.078	0.86	3.8	ppm
699	Amylamine, n-; (1-Pentylamine)	110-58-7	0.3	3.3	20	mg/m^3
700	Pentanenitrile; (Valeronitrile)	110-59-8	0.092	1	6.1	ppm
701	Butanediol, 1,4-; (1,4-Tetramethylene glycol)	110-63-4	4.7	52	640	mg/m^3
702	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	1	11	69	ppm
703	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	0.3	5.1	31	mg/m^3
704	Methylbutylamine, N-	110-68-9	1.3	14	86	ppm
705	Dimethoxyethane, 1,2-	110-71-4	13	140	840	ppm
706	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	0.16	1.8	11	ppm
707	Ethoxyethanol, 2-	110-80-5	15	1,000	6,000	ppm
708	Cyclohexane	110-82-7	300	1,700	10,000	ppm
709	Cyclohexene	110-83-8	900	1,700	10,000	ppm
710	Piperazine	110-85-0	0.09	8.9	54	ppm
711	Pyridine	110-86-1	3	19	3,600	ppm
712	Dihydro-2H-pyran, 3,4-	110-87-2	3.5	38	230	ppm
713	**Piperidine**	**110-89-4**	**6.6**	**33**	**110**	ppm
714	Morpholine	110-91-8	30	1,300	8,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
715	Diisobutylamine	110-96-3	0.15	1.6	9.7	ppm
716	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	1.5	17	99	mg/m^3
717	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	0.69	7.6	46	ppm
718	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	8.2	90	540	mg/m^3
719	Octanone, 2-	111-13-7	9.3	100	610	mg/m^3
720	Heptanoic acid	111-14-8	3.9	43	260	ppm
721	Ethoxyethylacetate, 2-	111-15-9	15	420	2,500	ppm
722	Bromohexane; (n-Hexyl bromide)	111-25-1	17	190	1,100	ppm
723	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	10	110	580	ppm
724	Pentanediol, 1,5-	111-29-5	6	66	400	mg/m^3
725	**Gluteraldehyde**	**111-30-8**	**0.2**	**1**	**5**	ppm
726	Hexanethiol, 1-; (N-Hexylmercaptan)	111-31-9	0.045	0.5	48	ppm
727	**Butyl isocyanate, n-**	**111-36-4**	**0.01**	**0.083**	**0.25**	ppm
728	Diethylenetriamine	111-40-0	3	8.5	51	ppm
729	Aminoethylethanolamine	111-41-1	9	99	590	mg/m^3
730	Diethanolamine	111-42-2	3	28	130	mg/m^3
731	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane; Bis(2-chloroethyl)ether)	111-44-4	10	25	250	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
732	Diethylene glycol	111-46-6	6.9	140	860	ppm
733	Thiodiglycol	111-48-8	20	220	1,300	mg/m^3
734	Hexamethyleneimine	111-49-9	5.7	63	380	mg/m^3
735	Ethylene glycol diacetate	111-55-7	21	230	1,400	mg/m^3
736	Caprylyl chloride; (Octanoyl chloride)	111-64-8	30	330	2,000	mg/m^3
737	Octane, n-	111-65-9	230	385	5,000	ppm
738	**Octene, 1-**	**111-66-0**	**40**	**800**	**2,000**	ppm
739	Adiponitrile	111-69-3	0.35	3.8	8.1	ppm
740	Heptanol, 1-; (Heptyl alcohol)	111-70-6	10	120	640	mg/m^3
741	Butoxyethanol, 2-; (Glycol ether EB)	111-76-2	60	120	700	ppm
742	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	3.4	37	220	ppm
743	Cyclooctadiene, 1,5-	111-78-4	1.8	19	120	ppm
744	Bromooctane , 1-; (Octyl bromide)	111-83-1	1.9	21	130	ppm
745	Nonane; (Shellsol 140)	111-84-2	600	830	5,000	ppm
746	Octanamine, 1-	111-86-4	0.2	2.2	13	mg/m^3
747	**Octyl alcohol; (n-Octanol)**	**111-87-5**	**5**	**20**	**150**	ppm
748	Octanethiol, 1-	111-88-6	0.045	0.5	66	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
749	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	75	100	450	ppm
750	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	0.04	0.44	2.7	ppm
751	Di-n-butylamine	111-92-2	0.45	5	21	ppm
752	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	15	91	190	ppm
753	Hexadecyltrimethylammonium chloride	112-02-7	1.1	12	70	mg/m^3
754	**Octadecyltrichlorosilane**	**112-04-9**	**0.60**	**7.3**	**33**	ppm
755	Nonanoic acid	112-05-0	13	140	840	mg/m^3
756	Butoxyethanol acetate, 2-; (Ethylene glycol monobutyl ether acetate)	112-07-2	15	35	210	ppm
757	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	0.91	10	60	ppm
758	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	6.1	67	2,200	mg/m^3
759	Triethylenetetramine	112-24-3	3	14	83	ppm
760	Bis(2-chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	0.75	8.3	50	mg/m^3
761	Triethylene glycol	112-27-6	130	1,400	4,400	mg/m^3
762	Bromodecane, 1-	112-29-8	0.25	2.7	16	ppm
763	Decyl alcohol; (1-Decanol)	112-30-1	1.8	19	140	mg/m^3
764	Decanal	112-31-2	1.8	19	120	ppm
765	Butoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	30	33	200	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
766	Triethylene glycol monomethyl ether	112-35-6	34	370	2,200	mg/m^3
767	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	15	160	980	mg/m^3
768	Dodecane	112-40-3	1.7	18	110	ppm
769	Tetraoxadodecane, 2,5,8,11-	112-49-2	1.6	18	110	ppm
770	Dodecyl alcohol	112-53-8	12	140	820	mg/m^3
771	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	0.3	0.5	3	ppm
772	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	0.19	2.1	12	mg/m^3
773	Tetraethylenepentamine	112-57-2	15	130	790	mg/m^3
774	Diethylene glycol hexyl ether; (n-Hexyl carbitol)	112-59-4	3.7	41	480	mg/m^3
775	Tetraethylene glycol	112-60-7	87	960	5,700	mg/m^3
776	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	2.5	28	87	ppm
777	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	220	2,400	15,000	mg/m^3
778	Octadecanol, 1-	112-92-5	5.4	60	360	ppm
779	Sodium pyruvate; (Pyruvic acid, sodium salt)	113-24-6	30	330	2,000	mg/m^3
780	Propoxur (Baygon)	114-26-1	1.5	6.7	40	mg/m^3
781	Propylene; (1-Propene)	115-07-1	1,500	2,800	17,000	ppm
782	Methyl ether; (Dimethyl ether)	115-10-6	3,000	3,800	7,200	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
783	Methylpropene, 2-; (Isobutene)	115-11-7	750	2,500	11,000	ppm
784	Trichloroethanol, 2,2,2-	115-20-8	6.1	68	120	mg/m^3
785	**Ethyl trichlorosilane; (trichloroethylsilane)**	**115-21-9**	**0.60**	**7.3**	**33**	ppm
786	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	400	4,400	27,000	ppm
787	Dimefox; (bis(Dimethylamido)fluorophosphate)	115-26-4	0.091	1	4.1	mg/m^3
788	Endosulfan	115-29-7	0.3	0.8	180	mg/m^3
789	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	mg/m^3
790	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	mg/m^3
791	Pentaerythritol	115-77-5	30	90	540	mg/m^3
792	Tributyl(2,4-dichlorobenzyl) phosphonium chloride	115-78-6	0.53	5.9	35	mg/m^3
793	Triphenyl phosphate	115-86-6	9	360	2,100	mg/m^3
794	Fensulfothion	115-90-2	0.18	2	3.1	mg/m^3
795	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	3.7	41	240	mg/m^3
796	Aldicarb; (Carbanolate; Methyl-2-(methylthio)propionaldehyde-O-(methylcarbamoyl)oxime, 2-)	116-06-3	0.027	0.3	9.5	mg/m^3
797	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	6.6	73	440	mg/m^3
798	**Tetrafluoroethylene**	**116-14-3**	**22**	**55**	**330**	ppm
799	**Hexafluoropropylene; (Hexafluoropropene)**	**116-15-4**	**40**	**91**	**480**	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
800	Hexachloroacetone	116-16-5	0.22	2.4	29	mg/m^3
801	Dihydroxyanthraquinone, 1,8-; (Dantron)	117-10-2	6.7	73	440	mg/m^3
802	Aminoanthraquinone, 2-	117-79-3	9	99	590	mg/m^3
803	Di-sec-octylphthalate	117-81-7	10	86	5,900	mg/m^3
804	Dioctyl phthalate, n-	117-84-0	41	450	11,000	mg/m^3
805	Hexachlorobenzene	118-74-1	0.006	14	91	mg/m^3
806	Anthranilic acid	118-92-3	16	180	1,100	mg/m^3
807	Trinitrotoluene, 2,4,6-	118-96-7	0.3	17	1,000	mg/m^3
808	Methyl salicylate	119-36-8	2.3	25	150	ppm
809	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	0.51	5.6	34	mg/m^3
810	Benzophenone	119-61-9	1.5	90	310	mg/m^3
811	Tetrahydronaphthalene, 1,2,3,4-; (Tetralin)	119-64-2	1.6	17	100	ppm
812	Nitrodiphenylamine, 2-	119-75-5	12	130	790	mg/m^3
813	Dimethoxybenzidene 3,3'-; (o-Dianisidine)	119-90-4	20	220	380	mg/m^3
814	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	0.0018	0.02	36	mg/m^3
815	Anthracene	120-12-7	48	530	3,200	mg/m^3
816	Veratraldehyde	120-14-9	6	66	400	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
817	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	0.12	1.4	46	ppm
818	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid ethyl ester); Ethylparaben	120-47-8	31	340	2,100	mg/m^3
819	Benzyl benzoate	120-51-4	5.7	63	380	mg/m^3
820	Catechol	120-80-9	15	96	570	ppm
821	Trichlorobenzene, 1,2,4-	120-82-1	0.45	5	20	ppm
822	**Dichlorophenol, 2,4-**	**120-83-2**	**0.2**	**2**	**20**	ppm
823	Cyclopentanone	120-92-3	0.87	9.5	57	ppm
824	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	0.58	6.4	39	mg/m^3
825	Dinitrotoluene, 2,4-	121-14-2	0.6	12	200	mg/m^3
826	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	mg/m^3
827	Trimethyl borate	121-43-7	4.3	48	290	ppm
828	Triethylamine	121-44-8	1	170	1,000	ppm
829	**Trimethyl phosphite**	**121-45-9**	**6.1**	**61**	**310**	ppm
830	Sulfanilic acid	121-57-3	37	410	2,400	mg/m^3
831	Dimethylaniline, N,N-	121-69-7	10	330	2,000	ppm
832	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-Chloronitrobenzene)	121-73-3	0.9	9.9	59	mg/m^3
833	**Malathion**	**121-75-5**	**15**	**120**	**390**	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
834	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	3	26	160	mg/m^3
835	Isophthalic acid; (Phthalic acid, m isomer)	121-91-5	30	340	2,100	mg/m^3
836	Benzyldimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	3.8	41	250	mg/m^3
837	Diphenylamine	122-39-4	30	180	220	mg/m^3
838	Triethyl phosphite	122-52-1	1.2	14	82	ppm
839	Dioctyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	5.4	59	360	mg/m^3
840	Diphenylhydrazine, 1,2-	122-66-7	120	1,300	7,900	mg/m^3
841	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	1.5	16	97	ppm
842	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	0.06	0.66	4	mg/m^3
843	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	21	230	300	mg/m^3
844	Dipropyl ketone; (4-Heptanone)	123-19-3	150	1,700	9,900	ppm
845	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	3.6	40	240	ppm
846	Hydroquinone	123-31-9	3	20	120	mg/m^3
847	Maleic hydrazide; (3,6-Pyridazinedione, 1,2-dihydro-)	123-33-1	11	130	750	mg/m^3
848	**Propionaldehyde**	**123-38-6**	**45**	**260**	**840**	ppm
849	Methylformamide, N-	123-39-7	5.1	56	220	ppm
850	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	150	350	2,100	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
851	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	125	1,700	10,000	ppm
852	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	75	110	200	ppm
853	Propionic anhydride	123-62-6	7.1	78	470	mg/m^3
854	Paraldehyde	123-63-7	14	150	930	mg/m^3
855	Butyraldehyde	123-72-8	75	430	830	ppm
856	**Crotonaldehyde, trans-**	**123-73-9**	**0.19**	**4.4**	**14**	ppm
857	Pyrrolidine	123-75-1	0.69	7.6	45	mg/m^3
858	Azodicarbamide; (Azodicarbonamide)	123-77-3	2.6	29	170	mg/m^3
859	**Butyl acetate, n-**	**123-86-4**	**5**	**200**	**3,000**	ppm
860	**Dioxane, 1,4-; (1,4-Diethyleneoxide)**	**123-91-1**	**17**	**320**	**760**	ppm
861	Isoamyl acetate; (Isopentyl acetate)	123-92-2	100	500	3,000	ppm
862	Octanol, 2-	123-96-6	4.5	50	300	mg/m^3
863	Octanoic acid; (Caprylic acid)	124-07-2	30	330	2,000	mg/m^3
864	Nonene, 1-	124-11-8	40	800	2,000	ppm
865	Octanenitrile	124-12-9	0.57	6.2	37	ppm
866	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	17	190	1,100	mg/m^3
867	Decane	124-18-5	6.6	73	440	ppm

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Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
868	Nonanal	124-19-6	0.86	9.5	410	mg/m^3
869	Carbon dioxide	124-38-9	30,000	40,000	50,000	ppm
870	**Dimethylamine**	**124-40-3**	**10**	**66**	**250**	ppm
871	Sodium methylate	124-41-4	6.1	67	400	mg/m^3
872	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	1.2	13	79	mg/m^3
873	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	1.1	12	73	mg/m^3
874	**Methanesulfonyl chloride**	**124-63-0**	0.019	**0.21**	**0.62**	ppm
875	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	3.2	86	510	mg/m^3
876	Isobutanol-2-amine	124-68-5	17	190	570	mg/m^3
877	**Methylvinyldichlorosilane; (Dichloromethylvinylsilane)**	**124-70-9**	**0.90**	**11**	**50**	ppm
878	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	43	480	2,900	ppm
879	Picrotoxin; (Cocculin; PTX)	124-87-8	0.024	0.27	1.6	mg/m^3
880	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	1.3	14	83	mg/m^3
881	Bisbutenylenetetrahydrofurfural; (2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	7.5	83	500	mg/m^3
882	Propanediol, 2,2-dimethyl-1,3-	126-30-7	29	320	1,900	ppm
883	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	4.1	45	400	mg/m^3
884	Dipentaerythritol; (Dipentek)	126-58-9	30	330	2,000	mg/m^3

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Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
885	Triethylphosphorothioate; (Tepto)	126-68-1	0.027	0.3	1.8	ppm
886	Tributyl phosphate	126-73-8	1.4	8.3	125	ppm
887	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	30	330	2,000	mg/m^3
888	**Methacrylonitrile; (Methylacrylonitrile)**	**126-98-7**	0.091	**1.0**	**3.1**	ppm
889	Chloroprene; (beta-Chloroprene; Neoprene)	126-99-8	30	67	400	ppm
890	Potassium acetate	127-08-2	9.8	110	640	mg/m^3
891	Sodium acetate	127-09-3	11	120	700	mg/m^3
892	**Perchloroethylene; (Tetrachloroethylene)**	**127-18-4**	**35**	**230**	**1,200**	ppm
893	Dimethylacetamide, N,N-	127-19-5	30	67	400	ppm
894	Chloro-p-toluenesulfonamide sodium salt, N-; (Chloramine T)	127-65-1	2.8	31	190	mg/m^3
895	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	33	360	2,200	mg/m^3
896	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	5.4	59	360	mg/m^3
897	Bromosuccinimide, N-	128-08-5	1.1	12	73	mg/m^3
898	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	6	29	180	mg/m^3
899	Pyrene	129-00-0	0.15	1.7	7.5	mg/m^3
900	Warfarin sodium	129-06-6	0.82	9	83	mg/m^3
901	Disodium 3,6-endoxohexahydrophthalate	129-67-9	0.15	1.7	10	mg/m^3

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Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
902	Naphthoquinone, 1,4-	130-15-4	0.57	6.3	38	mg/m^3
903	Alizarine Red S, Monohydrate; (Sodium alizarin-3-sulfonate)	130-22-3	0.23	2.5	15	mg/m^3
904	Dimethylphthalate	131-11-3	15	1,600	9,300	mg/m^3
905	Diallyl phthalate	131-17-9	15	24	140	mg/m^3
906	Sodium pentachlorophenate	131-52-2	0.22	2.4	8.4	mg/m^3
907	Ammonium picrate	131-74-8	30	330	2,000	mg/m^3
908	Biphenylol, sodium salt, 2-	132-27-4	5	54	330	mg/m^3
909	Dibenzofuran	132-64-9	30	330	2,000	mg/m^3
910	Captan	133-06-2	15	81	750	mg/m^3
911	Chloramben; (Amiben; 3-Amino-2,5-dichlorobenzoic acid)	133-90-4	11	120	690	mg/m^3
912	Hydroxyquinoline sulfate, 8-	134-31-6	3.6	40	240	mg/m^3
913	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	2	22	130	mg/m^3
914	Naphthol, 2-	135-19-3	5.9	65	390	mg/m^3
915	Cupferron; (Ammonium-N-nitrosophenylhydroxylamine)	135-20-6	0.6	6.6	39	mg/m^3
916	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	1.1	12	69	ppm
917	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	0.6	0.85	5.1	ppm
918	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	0.15	250	1,500	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
919	Propionic acid, sodium salt	137-40-6	15	170	1,000	mg/m^3
920	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	4.4	49	290	mg/m^3
921	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	11	120	730	mg/m^3
922	Cerium oxalate	139-42-4	30	330	2,000	mg/m^3
923	Trisodium N-hydroxyethylethylenediaminetriacetate; (Trisodium N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	30	330	2,000	mg/m^3
924	Benzyl acetate	140-11-4	30	330	2,000	ppm
925	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	0.39	4.3	15	mg/m^3
926	Aminoethylpiperazine, N-	140-31-8	6.4	71	420	mg/m^3
927	Methyl-5-vinylpyridine, 2-	140-76-1	0.17	1.9	6.6	mg/m^3
928	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	0.48	5.3	32	mg/m^3
929	**Ethyl acrylate**	**140-88-5**	**8.3**	**36**	**240**	ppm
930	**Butyl acrylate, n-**	**141-32-2**	**8.3**	**130**	**480**	ppm
931	Ethanolamine	141-43-5	6	170	1,000	ppm
932	Sodium ethoxide	141-52-6	1.2	13	79	mg/m^3
933	Sodium formate	141-53-7	18	200	1,200	mg/m^3
934	**Propyltrichlorosilane**	**141-57-1**	**0.60**	**7.3**	**33**	ppm
935	**Octyl mercaptan, t-**	**141-59-3**	0.055	**0.60**	**1.8**	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
936	Dicrotophos	141-66-2	0.15	0.9	17	mg/m^3
937	Ethyl acetate	141-78-6	1,200	1,700	10,000	ppm
938	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	25	830	5,000	ppm
939	Malonic acid; (Carboxyacetic acid)	141-82-2	20	230	590	mg/m^3
940	Diaminopyridine, 2,6-	141-86-6	0.33	3.6	22	mg/m^3
941	Ethyl acetoacetate	141-97-9	12	130	790	mg/m^3
942	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	4.7	51	100	mg/m^3
943	Dichloropropane, 1,3-	142-28-9	5.4	59	350	ppm
944	Hexanoyl chloride	142-61-0	1.2	13	79	mg/m^3
945	Hexanoic acid; (caproic acid)	142-62-1	2.2	24	140	mg/m^3
946	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	8.6	20	120	mg/m^3
947	Magnesium acetate	142-72-3	26	280	1,700	mg/m^3
948	Iminodiacetic acid	142-73-4	0.82	9	54	mg/m^3
949	Heptane	142-82-5	500	830	5,000	ppm
950	Dipropylamine	142-84-7	2.8	31	180	mg/m^3
951	Dodecyl methacrylate	142-90-5	6.9	76	460	ppm
952	Butyl ether, n-; (Dibutyl ether)	142-96-1	2.6	29	170	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
953	Nonyl alcohol	143-08-8	11	120	710	mg/m^3
954	Bromododecane, 1-	143-15-7	12	130	790	mg/m^3
955	Hexadecanamine, 1-	143-27-1	0.66	7.2	43	mg/m^3
956	**Sodium cyanide**	**143-33-9**	**4.0**	**14**	**30**	mg/m^3
957	Kepone; (Chlordecone)	143-50-0	1.6	17	100	mg/m^3
958	Sodium tetraphenyl borate	143-66-8	0.86	9.5	57	mg/m^3
959	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	0.043	0.47	0.93	mg/m^3
960	Sodium bicarbonate	144-55-8	13	140	840	mg/m^3
961	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	2	20	500	mg/m^3
962	Mercaptobenzoic acid, o-	147-93-3	0.16	1.8	11	mg/m^3
963	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5	6	27	300	mg/m^3
964	Quinolinol, 8-	148-24-3	3.6	40	240	mg/m^3
965	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4	15	27	56	mg/m^3
966	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	6.6	72	430	mg/m^3
967	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	15	140	590	mg/m^3
968	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	0.28	3	18	ppm
969	Dichloromethylphenylsilane	149-74-6	0.9	11	50	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
970	Aminobenzoic acid, p-	150-13-0	15	69	410	mg/m^3
971	Hydroxyethylenediaminetriacetic acid, N-	150-39-0	2	22	130	mg/m^3
972	Methoxyphenol, p-	150-76-5	15	49	320	mg/m^3
973	Sodium succinate	150-90-3	2.2	25	150	ppm
974	Dimethoxybenzene, 1,3-	151-10-0	3	32	190	mg/m^3
975	Sodium lauryl sulfate	151-21-3	3.9	43	260	mg/m^3
976	Methoxyethylmercuric acetate	151-38-2	0.048	0.064	3.2	mg/m^3
977	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	3.9	43	260	mg/m^3
978	**Potassium cyanide**	**151-50-8**	**5.3**	**19**	**40**	mg/m^3
979	**Ethyleneimine**	**151-56-4**	0.1	**4.6**	**9.9**	ppm
980	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide, Schradan)	152-16-9	0.073	0.8	4.9	mg/m^3
981	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	4.5	49	300	mg/m^3
982	Nitrosodiphenylamine, p-	156-10-5	0.58	6.4	39	mg/m^3
983	Butyric acid, sodium salt	156-54-7	30	330	2,000	mg/m^3
984	**Dichloroethylene, cis-1,2-**	**156-59-2**	**140**	**500**	**850**	ppm
985	**Dichloroethylene, trans-1,2-**	**156-60-5**	**280**	**1,000**	**1,700**	ppm
986	Calcium cyanamide	156-62-7	1.5	5.6	50	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
987	Amino-1-propanol, 3-	156-87-6	8.3	91	550	mg/m^3
988	Benzo(ghi)perylene	191-24-2	30	330	2,000	mg/m^3
989	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	30	330	2,000	mg/m^3
990	Indeno(1,2,3-cd)pyrene	193-39-5	1.2	13	79	mg/m^3
991	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	0.12	1.3	7.9	mg/m^3
992	Fluoranthene	206-44-0	4.1	45	400	mg/m^3
993	Acenaphthylene	208-96-8	10	110	660	mg/m^3
994	Chrysene	218-01-9	0.6	12	69	mg/m^3
995	Dibenzo-p-dioxin	262-12-4	3.7	40	240	mg/m^3
996	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	5.1	56	340	mg/m^3
997	Cyclopentane	287-92-3	1,800	3,800	23,000	ppm
998	Imidazole	288-32-4	0.66	7.3	44	mg/m^3
999	Tetrazole, 1H-	288-94-8	1.2	13	79	mg/m^3
1000	Cyclooctane	292-64-8	26	290	1,700	ppm
1001	Isobenzan	297-78-9	0.01	0.11	0.66	mg/m^3
1002	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	0.32	3.5	21	mg/m^3
1003	**Methyl parathion**	**298-00-0**	0.11	**1.2**	**3.5**	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1004	**Phorate**	**298-02-2**	0.0036	**0.040**	**0.12**	mg/m^3
1005	Disulfoton	298-04-4	0.18	2	8.8	mg/m^3
1006	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	15	160	980	mg/m^3
1007	Potassium bicarbonate	298-14-6	140	1,600	9,500	mg/m^3
1008	Lead acetate; (Lead diacetate)	301-04-2	5	55	330	mg/m^3
1009	Stannous octoate	301-10-0	0.68	110	670	mg/m^3
1010	**Hydrazine**	**302-01-2**	**0.10**	**13**	**35**	ppm
1011	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	2.5	27	95	mg/m^3
1012	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	9	99	590	mg/m^3
1013	Hydroxy-N-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	30	330	2,000	mg/m^3
1014	**HCFC-123; (Dichloro-1,1,1-trifluoroethane, 2,2-)**	**306-83-2**	150	**1,000**	**10,000**	ppm
1015	Tetracosafluorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	10	110	680	mg/m^3
1016	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	mg/m^3
1017	Tributyl-1-butanaminium iodide, N,N,N-; (Tetrabutylammonium iodide)	311-28-4	6	66	390	mg/m^3
1018	Lactic acid, sodium salt, DL-; (Propanoic acid, 2-hydroxy-, monosodium salt)	312-85-6	30	330	2,000	mg/m^3
1019	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	1.3	14	84	mg/m^3
1020	Emetine dihydrochloride, l-	316-42-7	9.10E-04	0.01	0.06	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1021	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	0.3	1.4	8.4	mg/m^3
1022	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	0.3	27	160	mg/m^3
1023	Thenoyltrifluoroacetone	326-91-0	0.9	9.9	59	mg/m^3
1024	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	0.91	10	30	mg/m^3
1025	**Methyl cyclohexylfluorophosphonate; (GF)**	**329-99-7**	**0.00020**	**0.0024**	**0.018**	ppm
1026	Ethylenediamine dihydrochloride	333-18-6	2.7	29	180	mg/m^3
1027	Potassium thiocyanate	333-20-0	2.6	28	170	mg/m^3
1028	Methyl-trifluoromethanesulfonate	333-27-7	22	230	1,400	mg/m^3
1029	Diazomethane	334-88-3	0.6	6.6	40	ppm
1030	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	10	110	680	mg/m^3
1031	Pentadecafluorooctanoic acid	335-67-1	1.1	12	75	mg/m^3
1032	Boron trifluoride-dimethyl ether	353-42-4	2.5	29	88	mg/m^3
1033	**Carbonyl fluoride**	**353-50-4**	0.025	**0.28**	**0.83**	ppm
1034	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	13	140	1,400	ppm
1035	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	7.7	85	510	ppm
1036	Trifluoroacetyl chloride	354-32-5	3.2	35	210	ppm
1037	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	100	1,200	6,900	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1038	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	11	120	2,000	ppm
1039	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	0.29	3.2	36	mg/m^3
1040	Trifluoromethanesulfonic anhydride	358-23-6	12	130	790	mg/m^3
1041	Fluoroacetyl chloride	359-06-8	0.91	10	60	mg/m^3
1042	Tetrafluoroethane, 1,1,2,2-; (HFC 134)	359-35-3	8,000	13,000	27,000	ppm
1043	Triethyloxonium tetrafluoroborate	368-39-8	19	220	1,300	mg/m^3
1044	Fluoroaniline, p-	371-40-4	1.3	14	83	mg/m^3
1045	Maleic acid, disodium salt	371-47-1	13	150	880	mg/m^3
1046	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	0.0024	0.0267	0.35	ppm
1047	Heptafluorobutyric acid	375-22-4	0.5	5.5	33	mg/m^3
1048	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	0.078	0.86	5.1	ppm
1049	Ergotamine tartrate	379-79-3	0.91	10	32	mg/m^3
1050	**Perfluoroisobutylene; (Octafluoro-sec-butene)**	**382-21-8**	0.01	**0.11**	**0.33**	ppm
1051	Hexafluorobenzene	392-56-3	6.6	73	440	ppm
1052	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	14	160	940	mg/m^3
1053	Fluoro-4-nitrophenol, 2-	403-19-0	12	130	790	mg/m^3
1054	Trifluoroacetic acid anhydride	407-25-0	14	150	920	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1055	Silicon carbide	409-21-2	45	500	3,000	mg/m^3
1056	Cyanamide	420-04-2	6	66	400	mg/m^3
1057	Cyanic acid; (Hydrogen cyanate)	420-05-3	5.5	7.7	46	ppm
1058	Fluorotrimethylsilane	420-56-4	32	350	2,100	ppm
1059	Methyl fluorosulfate	421-20-5	0.0021	0.023	0.14	ppm
1060	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4	0.98	11	65	mg/m^3
1061	Tetrabutylammonium fluoride; (N,N,N-Tributyl-1-butanaminium, fluoride)	429-41-4	100	1,200	6,900	mg/m^3
1062	Trimethoxy(3,3,3-trifluoropropyl)silane	429-60-7	29	320	1,900	mg/m^3
1063	Butanedione, 2,3-; (Diacetyl)	431-03-8	0.02	120	310	mg/m^3
1064	Benzoin oxime	441-38-3	0.49	5.4	32	mg/m^3
1065	Methyl fluoroacetate	453-18-9	0.036	0.39	1.4	mg/m^3
1066	Bromofluorobenzene, 4-; (p-Fluorobromobenzene)	460-00-4	12	130	790	mg/m^3
1067	**Cyanogen**	**460-19-5**	**2.0**	**8.3**	**25**	ppm
1068	Phosphorodifluoridic acid, ethyl ester; (Ethyl phosphorodifluoridate)	460-52-6	26	280	1,700	mg/m^3
1069	Pentafluoropropane, 1,1,1,3,3-	460-73-1	900	25,000	1.50E+05	ppm
1070	Cyanoguanidene; (Guanidine, cyano-; Dicyandiamido)	461-58-5	61	680	4,000	mg/m^3
1071	Fluorobenzene	462-06-6	30	330	1,200	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1072	Allene; (1,2-Propadiene)	463-49-0	230	2,500	15,000	ppm
1073	**Ketene; (Carbomethene, Ethenone)**	**463-51-4**	0.0057	**0.063**	**0.2**	ppm
1074	**Carbonyl sulfide**	**463-58-1**	15	**55**	**150**	ppm
1075	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	3,000	33,000	2.00E+05	ppm
1076	Pinacolyl alcohol; (tert-Butyl methyl carbinol)	464-07-3	1.9	21	130	ppm
1077	Isodrin	465-73-6	0.64	7	42	mg/m^3
1078	Chlorfenvinfos	470-90-6	0.91	10	500	mg/m^3
1079	Carbonic acid, calcium salt	471-34-1	45	210	1,300	mg/m^3
1080	Oxamide	471-46-5	1.3	15	89	mg/m^3
1081	Dimethyl-5-phenylphenazinium chloride, 3,7-diamino-2,8-; (Safranine; Gossypimine)	477-73-6	0.17	1.9	11	mg/m^3
1082	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	4.5	14	1,300	mg/m^3
1083	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	0.26	2.8	17	mg/m^3
1084	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	0.44	4.8	29	ppm
1085	Bis(dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	1.2	13	79	mg/m^3
1086	Indan	496-11-7	20	220	1,300	mg/m^3
1087	Glycoluril; (Acetyleneurea)	496-46-8	30	330	2,000	mg/m^3
1088	Sodium carbonate	497-19-8	7.6	83	500	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1089	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	30	330	2,000	mg/m^3
1090	**Benzyl chloroformate; (Carbobenzoxy chloride)**	**501-53-1**	0.088	**0.97**	**2.9**	ppm
1091	Methylmercuric dicyanamide	502-39-6	0.045	0.06	3	mg/m^3
1092	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	13	140	850	mg/m^3
1093	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	1.8	20	40	mg/m^3
1094	Aminopyridine, 2-	504-29-0	1.5	1.7	10	ppm
1095	Propanediol, 1,3-	504-63-2	7.8	86	520	mg/m^3
1096	**Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)**	**505-60-2**	**0.010**	**0.020**	**0.32**	ppm
1097	Potassium silver cyanide	506-61-6	2.9	32	190	mg/m^3
1098	Silver cyanide	506-64-9	0.37	4.1	24	mg/m^3
1099	Cyanogen bromide	506-68-3	24	44	200	mg/m^3
1100	**Cyanogen chloride**	**506-77-4**	0.0045	**0.05**	**4**	ppm
1101	Cyanogen iodide	506-78-5	35	180	290	mg/m^3
1102	Fulminic acid; (Carbyloxime)	506-85-4	0.68	7.5	45	ppm
1103	Ammonium carbonate	506-87-6	0.31	3.5	21	mg/m^3
1104	Acetyl bromide	506-96-7	0.16	1.8	11	ppm
1105	Thioacetic acid	507-09-5	0.079	0.87	5.2	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1106	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	2.3	26	150	ppm
1107	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	8.4	92	550	mg/m^3
1108	**Tetranitromethane**	**509-14-8**	0.047	**0.52**	**1.7**	ppm
1109	Chlorobenzylate; (4,4'-Dichlorobenzilic acid ethyl ester)	510-15-6	0.72	8	140	mg/m^3
1110	Trimethyl phosphate; (TMP)	512-56-1	0.44	4.8	29	ppm
1111	Hexaphenylcyclotrisiloxane	512-63-0	12	130	790	mg/m^3
1112	Ascaridole	512-85-6	0.6	6.6	40	mg/m^3
1113	Tripropyl phosphate; (TPP)	513-08-6	13	76	1,100	mg/m^3
1114	Methyl-2-butene, 2-; (Amylene)	513-35-9	4.2	46	280	ppm
1115	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	32	350	2,100	ppm
1116	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	4.2	46	280	ppm
1117	Barium carbonate	513-77-9	2.2	270	1,600	mg/m^3
1118	Cadmium carbonate	513-78-0	0.15	1.2	7.2	mg/m^3
1119	Cobaltous carbonate	513-79-1	0.12	210	1,200	mg/m^3
1120	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	1.8	20	33	mg/m^3
1121	Ammonium lactate	515-98-0	30	330	2,000	mg/m^3
1122	Ferrous Oxalate; (Iron(II) oxalate)	516-03-0	7.7	86	510	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1123	Uranine; (Fluorescein sodium)	518-47-8	20	220	1,300	mg/m^3
1124	Aminoethyl)diphenylborinic acid, o-(2-; (Diphenylboronic acid, ethanolamine ester)	524-95-8	0.18	2	12	mg/m^3
1125	**Trimethylbenzene, 1,2,3-**	**526-73-8**	**140**	**360**	480	ppm
1126	Tartaric acid, monosodium salt	526-94-3	7.1	79	470	mg/m^3
1127	Gluconic acid, D-	526-95-4	30	330	2,000	mg/m^3
1128	Sodium gluconate	527-07-1	71	780	4,700	mg/m^3
1129	Tetramethylbenzene, 1,2,3,5-	527-53-7	15	170	1,000	mg/m^3
1130	Benzoic acid, sodium salt	532-32-1	56	620	810	mg/m^3
1131	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	0.025	0.27	1	mg/m^3
1132	Silver carbonate; (Silver(I) carbonate)	534-16-7	11	120	740	mg/m^3
1133	Cesium carbonate	534-17-8	7	77	460	mg/m^3
1134	Methylfuran, 2-	534-22-5	0.33	3.7	22	ppm
1135	Dinitro-o-cresol, 4,6-	534-52-1	0.6	0.83	5	mg/m^3
1136	Crimidine; (Castrix)	535-89-7	0.0063	0.069	0.41	mg/m^3
1137	Phenylacetylene; (Ethynylbenzene)	536-74-3	28	310	1,900	mg/m^3
1138	Cerium acetate	537-00-8	30	330	2,000	mg/m^3
1139	**Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine; Nitrogen mustard-1)**	**538-07-8**	0.002	**0.022**	**0.37**	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1140	Dicyclohexylcarbodiimide	538-75-0	0.12	1.3	8	mg/m^3
1141	Bromoethanol, 2-; (Ethylene bromohydrin)	540-51-2	0.06	0.66	23	mg/m^3
1142	Dichloroethylene, 1,2-	540-59-0	140	500	850	ppm
1143	Ethanedithiol, 1,2-	540-63-6	0.15	1.6	9.6	ppm
1144	Ammonium formate	540-69-2	3.7	41	240	mg/m^3
1145	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	0.7	7.7	46	mg/m^3
1146	**Dimethylhydrazine, 1,2-**	**540-73-8**	0.27	**3.0**	**11**	ppm
1147	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	230	830	5,000	ppm
1148	Butyl acetate, tert-	540-88-5	600	1,700	10,000	ppm
1149	Dodecamethylcyclohexasiloxane	540-97-6	150	1,700	9,900	mg/m^3
1150	Decamethylcyclopentasiloxane	541-02-6	4.8	53	320	ppm
1151	Hexamethylcyclotrisiloxane	541-05-9	12	130	790	mg/m^3
1152	Uranyl acetate; (Uranium oxyacetate)	541-09-3	0.98	5.5	33	mg/m^3
1153	**Chlorovinylarsine dichloride; (Lewisite 1)**	**541-25-3**	0.023	**0.25**	**0.74**	mg/m^3
1154	**Ethyl chloroformate**	**541-41-3**	0.15	**1.6**	**4.8**	ppm
1155	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	1.7	19	110	mg/m^3
1156	Dithiobiuret	541-53-7	0.45	5	11	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1157	Dichlorobenzene, m-	541-73-1	6	66	400	ppm
1158	Ethyl sec-amyl ketone; (5-Methyl-3-heptanone)	541-85-5	30	500	3,000	ppm
1159	Benzenamine, sulfate (2:1)	542-16-5	30	330	2,000	mg/m^3
1160	Barium cyanide	542-62-1	44	60	360	mg/m^3
1161	Dichloropropene, 1,3-; (including cis- and trans- isomers)	542-75-6	3	19	120	ppm
1162	Chloropropionitrile, 3-	542-76-7	0.23	2.5	5.4	ppm
1163	**Dichloromethyl ether; (bis(Chloromethyl)ether)**	**542-88-1**	0.004	**0.044**	**0.18**	ppm
1164	Ethylthiocyanate	542-90-5	20	100	170	mg/m^3
1165	**Isobutyl chloroformate**	**543-27-1**	0.6	**2.2**	**6.7**	ppm
1166	Barium acetate; (Barium acetate anhydrous)	543-80-6	2.8	330	2,000	mg/m^3
1167	Cadmium(II) acetate	543-90-8	0.21	1.6	9.6	mg/m^3
1168	Diisoamylamine	544-00-3	0.041	0.45	2.7	ppm
1169	Calcium formate	544-17-2	8.5	71	710	mg/m^3
1170	Tetradecanoic acid; (Myristic acid)	544-63-8	0.14	1.6	9.3	mg/m^3
1171	Hexadecane	544-76-3	35	380	2,800	mg/m^3
1172	Copper cyanide; (Copper(I) cyanide; Cuprous cyanide)	544-92-3	21	29	170	mg/m^3
1173	Octaphenylcyclotetrasiloxane	546-56-5	14	150	920	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1174	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	22	250	1,500	mg/m^3
1175	Acetic acid, lithium salt	546-89-4	3.2	36	210	mg/m^3
1176	Magnesium carbonate; (Magnesite)	546-93-0	45	260	1,600	mg/m^3
1177	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, p-((p-(; (Methyl orange, sodium salt)	547-58-0	0.18	2	12	mg/m^3
1178	Nickel oxalate	547-67-1	0.75	8.3	50	mg/m^3
1179	Crystal violet; (Aniline violet)	548-62-9	0.082	0.9	83	mg/m^3
1180	Ethanedioic acid, dimethyl ester	553-90-2	2	22	130	mg/m^3
1181	Potassium gold cyanide	554-07-4	33	47	280	mg/m^3
1182	Lithium carbonate	554-13-2	0.44	4.8	100	mg/m^3
1183	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	2.8	31	180	mg/m^3
1184	Aluminum(III) isopropylate	555-31-7	23	370	2,200	mg/m^3
1185	**Tris(2-chloroethyl)amine; (Nitrogen mustard-3)**	**555-77-1**	0.002	**0.022**	**0.37**	mg/m^3
1186	Glycidol; (Oxiranemethanol, 1-Propanol, 2,3-epoxy)	556-52-5	6	83	500	ppm
1187	**Methyl isothiocyanate; (Isothiocyanatomethane)**	**556-61-6**	**0.27**	**17**	**50**	ppm
1188	Methyl thiocyanate	556-64-9	17	28	140	ppm
1189	Octamethylcyclotetrasiloxane	556-67-2	30	68	130	ppm
1190	Zinc stearate	557-05-1	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1191	Nickel cyanide	557-19-7	1.1	13	75	mg/m^3
1192	Diethylzinc	557-20-0	24	260	1,600	ppm
1193	Zinc cyanide	557-21-1	14	18	110	mg/m^3
1194	Zinc acetate	557-34-6	0.19	2.1	12	mg/m^3
1195	Magnesium formate	557-39-1	30	330	2,000	mg/m^3
1196	Chloropropylene, 2-	557-98-2	210	2,300	3,000	ppm
1197	Methanesulfonyl fluoride	558-25-8	0.018	0.19	1.2	ppm
1198	Ethion	563-12-2	1.2	13	38	mg/m^3
1199	Dimethylhexane, 3,3-	563-16-6	230	385	5,000	ppm
1200	Semicarbazide hydrochloride	563-41-7	9.1	100	600	mg/m^3
1201	Dichloroethylaluminum	563-43-9	28	310	1,800	mg/m^3
1202	Methyl-1-butene, 2-	563-46-2	42	460	2,800	ppm
1203	Chloro-2-methyl-1-propene, 3-	563-47-3	1.2	13	99	ppm
1204	Dichloropropene, 1,2-; (including cis- isomer, 6923-20-2)	563-54-2	1.3	15	87	ppm
1205	Dichloropropene, 1,1-	563-58-6	1.3	15	87	ppm
1206	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	0.077	4.3	26	mg/m^3
1207	Bromonitromethane	563-70-2	0.4	4.4	26	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1208	Ferrous carbonate	563-71-3	6.2	69	410	mg/m^3
1209	Calcium oxalate	563-72-4	12	130	790	mg/m^3
1210	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	60	660	4,000	ppm
1211	Dimethyl-3-pentanone, 2,4-	565-80-0	0.99	11	100	ppm
1212	Basic Green 4; (Aizen malachite green)	569-64-2	0.13	1.4	8.7	mg/m^3
1213	Dinitrophenol, 2,6-	573-56-8	0.23	2.5	15	mg/m^3
1214	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	2.4	26	160	mg/m^3
1215	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	30	330	2,000	mg/m^3
1216	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	5.7	63	380	mg/m^3
1217	**Adamsite; (Phenarsazine chloride)**	**578-94-9**	**0.016**	**2.6**	**6.4**	mg/m^3
1218	Phenyl-1,2-propanedione, 1-	579-07-7	0.4	4.5	27	mg/m^3
1219	Potassium oxalate	583-52-8	2	22	130	mg/m^3
1220	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	75	420	2,500	ppm
1221	Potassium carbonate	584-08-7	0.55	6	370	mg/m^3
1222	**Toluene-2,4-diisocyanate; (TDI)**	**584-84-9**	**0.020**	**0.083**	**0.51**	ppm
1223	Diphenyl mercury	587-85-9	0.53	8.3	50	mg/m^3
1224	Stilbene	588-59-0	3.8	41	250	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1225	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	2.6	29	170	ppm
1226	Methylheptane, 4-	589-53-7	230	385	5,000	ppm
1227	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	34	370	990	mg/m^3
1228	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	750	2,200	13,000	ppm
1229	Potassium formate	590-29-4	9	99	600	mg/m^3
1230	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	30	330	2,000	mg/m^3
1231	Aminophenol, m-	591-27-5	15	160	200	mg/m^3
1232	Iodobenzene	591-50-4	5.4	59	360	mg/m^3
1233	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	10	830	5,000	ppm
1234	Acetic acid, 2-propenyl ester	591-87-7	0.42	4.6	28	ppm
1235	**Calcium cyanide**	**592-01-8**	**3.8**	**13**	**28**	mg/m^3
1236	Mercuric cyanide	592-04-1	0.094	0.13	35	mg/m^3
1237	Platinum cyanide	592-06-3	0.0076	0.083	0.5	mg/m^3
1238	Methylheptane, 2-	592-27-8	230	385	5,000	ppm
1239	**Butyl chloroformate, n-**	**592-34-7**	0.6	**2.2**	**6.7**	ppm
1240	**Hexene, 1-**	**592-41-6**	150	**500**	**5,000**	ppm
1241	Heptene, 1-	592-76-7	130	1,400	8,700	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1242	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	4.6	51	300	ppm
1243	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	0.12	0.16	44	mg/m^3
1244	Octadecane, n-	593-45-3	230	385	5,000	ppm
1245	Methylamine hydrochloride	593-51-1	2.7	30	320	mg/m^3
1246	Methyl fluoride; (Fluoromethane)	593-53-3	13	150	900	mg/m^3
1247	Vinyl bromide; (Bromoethylene)	593-60-2	1.5	430	2,600	ppm
1248	Dimethyl mercury	593-74-8	0.034	0.046	2.3	mg/m^3
1249	Thiocyanic acid, compound with guanidine (1:1); (Guanidine thiocyanate salt)	593-84-0	0.98	11	65	mg/m^3
1250	**Methyldichloroarsine; (Dichloromethylarsine)**	**593-89-5**	0.0048	**0.053**	**0.16**	mg/m^3
1251	Trimethylphosphine	594-09-2	0.39	4.2	25	ppm
1252	Tert-butyllithium	594-19-4	1.2	13	79	mg/m^3
1253	Dichloropropane, 2,2-	594-20-7	2.6	29	170	ppm
1254	**Perchloromethyl mercaptan**	**594-42-3**	**0.013**	**0.30**	**0.90**	ppm
1255	Hydroxy-2-methylpropanoic acid, 2-; (2-Methyllactic acid)	594-61-6	30	330	2,000	mg/m^3
1256	Dimethylbutyric acid, 2,2-	595-37-9	12	130	790	mg/m^3
1257	Tetraethyltin; (Tetraethylstannane)	597-64-8	0.4	7	42	mg/m^3
1258	**Ethyldichloroarsine; (Dichloroethylarsine)**	**598-14-1**	0.0026	**0.029**	**0.086**	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1259	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	0.011	0.12	0.69	ppm
1260	Butyllithium, sec-	598-30-1	110	1,200	7,300	ppm
1261	**Bromoacetone**	**598-31-2**	**0.011**	**0.33**	**0.98**	ppm
1262	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	0.087	0.96	5.8	ppm
1263	Methyl nitrate; (Nitric acid, methyl ester)	598-58-3	0.85	9.4	56	ppm
1264	Manganese carbonate	598-62-9	6.3	10	60	mg/m^3
1265	Lead carbonate	598-63-0	0.19	24	900	mg/m^3
1266	Bromotrifluoroethylene	598-73-2	3.2	230	1,400	ppm
1267	Pentafluorobenzoic acid	602-94-8	0.58	6.4	39	mg/m^3
1268	Triphenylphosphine	603-35-0	2.9	32	540	mg/m^3
1269	Dinitrotoluene, 2,6-	606-20-2	0.6	47	200	mg/m^3
1270	Dibromophenol, 2,6-	608-33-3	14	150	900	mg/m^3
1271	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	0.51	5.7	30	mg/m^3
1272	Pentachlorobenzene	608-93-5	4.4	49	220	mg/m^3
1273	Dinitrotoluene, 3,4-	610-39-9	0.6	33	200	mg/m^3
1274	Ethyltoluene, o-	611-14-3	20	220	1,300	mg/m^3
1275	Nitrosotoluene, 2-; (o-Nitrosotoluene)	611-23-4	12	130	790	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1276	Alpha-hydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3	25	270	1,600	mg/m^3
1277	Butyl perbenzoate, tert-	614-45-9	8.2	90	200	mg/m^3
1278	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	4.5	50	300	mg/m^3
1279	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	0.1	1.1	6.8	ppm
1280	Phenylenediamine dihydrochloride, 1,2-	615-28-1	1.7	19	110	mg/m^3
1281	Dimethyl carbonate	616-38-6	11	120	700	ppm
1282	Pyrrolidinone, 2-	616-45-5	6.9	76	460	ppm
1283	Methylimidazole, 1-	616-47-7	2.3	25	150	mg/m^3
1284	Phenyl-2-propanol, 2-; (Dimethylphenylmethanol)	617-94-7	0.7	7.7	46	ppm
1285	Chloro-4-nitrophenol, 2-	619-08-9	0.38	4.2	25	ppm
1286	Tribenzylamine	620-40-6	30	330	2,000	mg/m^3
1287	Nitrosodipropylamine; (DPNA)	621-64-7	5.6	62	95	mg/m^3
1288	Ethyltoluene, p-	622-96-8	15	160	960	mg/m^3
1289	Diazoacetic acid, ethyl ester; (Ethyl diazoacetate)	623-73-4	1.2	13	79	mg/m^3
1290	Diethylurea, 1,3-	623-76-7	2.9	32	190	ppm
1291	Phenylenediamine dihydrochloride, 1,4-	624-18-0	0.44	4.9	29	mg/m^3
1292	Dimethylcyclohexane, cis-1,4-	624-29-3	510	5,600	34,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1293	Butene, trans-2-; (trans-1,2-Dimethylethylene)	624-64-6	750	2,400	14,000	ppm
1294	**Methyl isocyanate**	**624-83-9**	**0.025**	**0.067**	**0.20**	ppm
1295	**Dimethyl disulfide**	**624-92-0**	**0.01**	**50**	**250**	ppm
1296	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	0.59	6.5	39	ppm
1297	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	12	130	790	mg/m^3
1298	Chloroethyl chloroformate	627-11-2	1.8	20	120	mg/m^3
1299	Propyl nitrate	627-13-4	40	330	2,000	ppm
1300	Chloropropanol, 3-; (1-Propanol, 3-chloro-)	627-30-5	6.9	76	460	mg/m^3
1301	Diethyl mercury	627-44-1	0.039	0.052	2.6	mg/m^3
1302	Diethyl telluride	627-54-3	0.3	1.8	11	mg/m^3
1303	Iodopentane, 1-	628-17-1	0.38	63	380	mg/m^3
1304	Amyl acetate	628-63-7	100	670	4,000	ppm
1305	Diethylene glycol diacetate; (2,2'-Oxybisethanol diacetate)	628-68-2	47	520	3,100	mg/m^3
1306	Hexanenitrile	628-73-9	0.19	2.1	13	ppm
1307	Ethylene glycol dinitrate; ethanediol dinitrate, 1,2-	628-96-6	0.016	0.2	80	ppm
1308	Dibromohexane, 1,6-	629-03-8	0.89	9.7	58	mg/m^3
1309	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	30	610	730	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1310	Cyclooctatetraene, 1,3,5,7-	629-20-9	65,000	2.30E+05	4.00E+05	ppm
1311	Tridecane	629-50-5	0.0073	0.08	2.3	ppm
1312	Tetradecane; (n-Tetradecane)	629-59-4	3.1	34	200	ppm
1313	Pentadecane	629-62-9	1.3	15	87	ppm
1314	Hexadecene, 1-	629-73-2	0.46	5.1	31	ppm
1315	Heptadecane	629-78-7	4.3	48	290	ppm
1316	Octacosane	630-02-4	230	385	5,000	ppm
1317	Nonacosane	630-03-5	30	330	2,000	mg/m^3
1318	Pentatriacontane	630-07-9	30	330	2,000	mg/m^3
1319	**Carbon monoxide**	**630-08-0**	75	**83**	**330**	ppm
1320	Tetrachloroethane, 1,1,1,2-	630-20-6	0.2	2.2	13	ppm
1321	Ouabain	630-60-4	0.75	8.3	50	mg/m^3
1322	Ammonium acetate	631-61-8	3.8	42	250	mg/m^3
1323	Tetrachlorobenzene, 1,2,3,4-	634-66-2	4.1	45	230	mg/m^3
1324	Phenylphosphine	638-21-1	0.0045	0.05	1.7	ppm
1325	Acetic acid, manganese(II) salt (2:1)	638-38-0	9.4	16	96	mg/m^3
1326	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	0.65	20	38	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1327	Fluoroacetamide	640-19-7	0.53	5.8	19	mg/m^3
1328	Manganese oxalate	640-67-5	7.8	13	78	mg/m^3
1329	Dimetilan	644-64-4	2.3	25	150	mg/m^3
1330	Aminoacetaldehyde diethyl acetal; (2,2-Diethoxyethylamine)	645-36-3	12	130	790	mg/m^3
1331	Dioxolane, 1,3-	646-06-0	60	190	1,000	ppm
1332	Acetone-d6	666-52-4	200	3,200	5,700	ppm
1333	**Diketene; (Ketene dimer)**	**674-82-8**	0.091	**1.0**	**3.0**	ppm
1334	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	10	15	87	mg/m^3
1335	Methylmagnesium chloride	676-58-4	1.2	13	79	mg/m^3
1336	Methane-d3	676-80-2	65,000	2.30E+05	4.00E+05	ppm
1337	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	0.25	2.8	17	ppm
1338	Methyl phosphonic dichloride	676-97-1	0.13	1.4	6.2	mg/m^3
1339	Methyl phosphonothioic dichloride	676-98-2	1.2	13	79	mg/m^3
1340	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	0.38	4.1	25	mg/m^3
1341	Hexamethylphosphoramide	680-31-9	0.34	3.7	17	ppm
1342	**Tetramethoxysilane; (Methyl silicate)**	**681-84-5**	0.083	**0.91**	**1.4**	ppm
1343	Tetrapropoxysilane	682-01-9	12	130	790	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1344	Diethyl methylphosphonate; (DEMP)	683-08-9	7.3	81	480	mg/m^3
1345	**Hexafluoroacetone**	**684-16-2**	0.018	**0.20**	**80**	ppm
1346	Nitroso-N-methylurea, N-	684-93-5	0.33	3.6	22	mg/m^3
1347	Ethyl lactate; (Ethyl (S)-(-)-lactate)	687-47-8	5.7	63	380	mg/m^3
1348	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	0.37	4.1	25	ppm
1349	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	0.054	0.6	3.6	ppm
1350	Tetrahydropyridine, 1,2,3,6-	694-05-3	8.7	96	570	ppm
1351	Cyclohexanediamine, 1,2-	694-83-7	2.1	23	140	mg/m^3
1352	**Phenyl dichloroarsine; (Dichlorophenylarsine)**	**696-28-6**	0.0055	**0.061**	**0.18**	mg/m^3
1353	**Diphenylchloroarsine; (Chlorodiphenylarsine)**	**712-48-1**	0.035	**0.39**	**1.2**	mg/m^3
1354	Phosmet	732-11-6	0.049	0.54	77	mg/m^3
1355	**HFO-1234yf; 2,3,3,3-Tetrafluoropropene**	**754-12-1**	2,200	**24,000**	1.40E+05	ppm
1356	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	18	190	1,200	ppm
1357	Dimethyl methylphosphonate; (DMMP)	756-79-6	10	110	1,600	mg/m^3
1358	Diethylphosphatoethyltriethoxy silane	757-44-8	52	570	3,400	mg/m^3
1359	Methacrylic anhydride	760-93-0	0.41	4.5	16	mg/m^3
1360	Diethyl phosphite	762-04-9	12	130	770	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1361	Propionic acid, 3-ethoxy-, ethyl ester; (Ethyl-3-ethoxypropionate)	763-69-9	1.6	18	110	ppm
1362	Dichloro-2-butene, 1,4-	764-41-0	0.015	1.9	12	ppm
1363	Glycidaldehyde	765-34-4	0.39	4.3	26	ppm
1364	Phenyltriethoxysilane	780-69-8	8.5	93	560	mg/m^3
1365	Carbophenothion; (Trithion)	786-19-6	0.62	6.8	24	mg/m^3
1366	**HFC 134a; (Tetrafluoroethane, 1,1,1,2-)**	**811-97-2**	**8,000**	**13,000**	**27,000**	ppm
1367	Methyl alcohol-d4	811-98-3	530	2,100	7,200	ppm
1368	Diethyl chlorophosphate	814-49-3	0.73	8	11	mg/m^3
1369	Acrylyl chloride; (Acryloyl chloride)	814-68-6	0.022	0.24	0.87	ppm
1370	Copper(II) oxalate	814-91-5	7.3	79	480	mg/m^3
1371	Lead oxalate	814-93-7	11	120	700	mg/m^3
1372	Strontium oxalate	814-95-9	120	1,300	7,900	mg/m^3
1373	Hydroxyethyl acrylate, 2-; (Acrylic acid, 2-hydroxyethyl ester)	818-61-1	0.1	1.1	21	ppm
1374	Nonanone, 2-	821-55-6	0.51	5.6	34	ppm
1375	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	0.018	0.2	3	ppm
1376	Sodium stearate	822-16-2	0.17	1.8	11	mg/m^3
1377	Methylimidazole, 4-	822-36-6	10	110	150	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1378	Dichlorocyclohexane, trans-1,2-	822-86-6	52	180	1,000	ppm
1379	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	3	33	200	mg/m^3
1380	Trimethylolpropane phosphite	824-11-3	0.23	2.5	2.8	mg/m^3
1381	Methyl-8-quinolinol, 2-	826-81-3	30	330	2,000	mg/m^3
1382	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	20	220	1,300	mg/m^3
1383	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	0.54	6	36	mg/m^3
1384	Indigo carmine; (FD&C blue No 2)	860-22-0	6	66	400	mg/m^3
1385	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	1.2	13	79	mg/m^3
1386	Chloroform-d; (Deuterated chloroform)	865-49-6	2	64	3,200	ppm
1387	Diethyl trichloromethylphosphonate	866-23-9	2.4	26	160	mg/m^3
1388	Potassium citrate	866-84-2	2.1	23	140	mg/m^3
1389	Tartaric acid, monopotassium salt	868-14-4	87	960	5,800	mg/m^3
1390	Hydroxyethyl methacrylate, 2-	868-77-9	1.9	21	1,000	mg/m^3
1391	**Dimethyl phosphite**	**868-85-9**	8.6	**95**	**150**	mg/m^3
1392	Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone)	872-50-4	30	32	190	ppm
1393	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	3.5	38	230	mg/m^3
1394	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	9.6	110	630	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1395	Acetoxytriphenylstannane	900-95-8	0.69	20	28	mg/m^3
1396	Methyl lithium	917-54-4	1.2	13	79	mg/m^3
1397	Aminopropyltriethoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	1.9	21	350	mg/m^3
1398	Demeton-S-methyl	919-86-8	0.45	5	22	mg/m^3
1399	Methacryloyl chloride	920-46-7	0.013	0.14	0.62	ppm
1400	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	1.3	15	87	ppm
1401	Bromoethylmagnesium	925-90-6	1.2	13	79	mg/m^3
1402	Ethyl alcohol-d; (Ethanol-d)	925-93-9	1,800	3,300	15,000	ppm
1403	Dimethyl-1-butanamine, N,N-	927-62-8	130	1,400	8,600	mg/m^3
1404	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	40	330	2,000	ppm
1405	Chloro-1-butanol, 4-	928-51-8	1.5	16	110	mg/m^3
1406	**Hexyltrichlorosilane**	**928-65-4**	**0.60**	**7.3**	**33**	ppm
1407	Methyl-2-heptanone, 6-	928-68-7	30	330	2,000	mg/m^3
1408	Disodium iminodiacetate	928-72-3	3.3	37	220	ppm
1409	Aminoethoxy)ethanol, 2-(2-	929-06-6	9	99	590	mg/m^3
1410	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	0.35	3.9	23	ppm
1411	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1412	Glycerine carbonate; (4-Hydroxymethyl-1,3-dioxolan-2-one)	931-40-8	30	330	2,000	mg/m^3
1413	Cyclooctene, cis-	931-87-3	120	1,300	7,900	mg/m^3
1414	Trichlorophenol, 2,3,6-	933-75-5	1.8	20	120	mg/m^3
1415	Chloroperoxybenzoic acid, 3-	937-14-4	30	330	2,000	mg/m^3
1416	Fonofos	944-22-9	0.3	1.3	53	mg/m^3
1417	Phosfolan	947-02-4	0.82	9	54	mg/m^3
1418	Mephosfolan	950-10-7	0.82	9	54	mg/m^3
1419	Methidathion; (O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolinyl-3-methyl)dithiophosphate)	950-37-8	1.8	20	160	mg/m^3
1420	Triphenylborane	960-71-4	12	130	790	mg/m^3
1421	Norbormide	991-42-4	0.35	3.8	190	mg/m^3
1422	**Methyl chlorosilane; (Chloromethylsilane)**	**993-00-0**	**1.8**	**22**	**100**	ppm
1423	Methylphosphonate	993-13-5	30	330	2,000	mg/m^3
1424	Amyl methyl ether, tert-; (TAME)	994-05-8	60	120	170	ppm
1425	Dimethylisopropylamine, N,N-	996-35-0	11	120	710	mg/m^3
1426	**Triethoxysilane**	**998-30-1**	**0.5**	**4**	**10**	ppm
1427	Tributylphosphine	998-40-3	0.27	3	18	ppm
1428	Chlormequat chloride; (Choline dichloride)	999-81-5	0.64	7	65	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1429	Hexamethyldisilazane	999-97-3	2.5	28	170	mg/m^3
1430	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	1.5	16	98	ppm
1431	Chlorodecane, 1-	1002-69-3	17	180	1,100	ppm
1432	Pentadecanoic acid	1002-84-2	0.018	0.2	1.2	ppm
1433	Tetrahydro-2,5-dimethyl furan	1003-38-9	12	130	790	mg/m^3
1434	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	0.15	0.5	3	mg/m^3
1435	Triamiphos	1031-47-6	0.06	0.66	4	mg/m^3
1436	Chromic acetate; (Chromium(III) acetate)	1066-30-4	6.6	78	470	mg/m^3
1437	Ammonium bicarbonate	1066-33-7	4.7	52	310	mg/m^3
1438	**Dimethylchlorosilane; (Chlorodimethylsilane)**	**1066-35-9**	**1.8**	**22**	**100**	ppm
1439	Trimethylsilanol	1066-40-6	2.3	25	150	ppm
1440	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	0.34	20	120	mg/m^3
1441	Diacetoxydibutyl stannane	1067-33-0	0.59	6.5	39	mg/m^3
1442	Isopropylmagnesium chloride; (Chloro(1-methylethyl)magnesium)	1068-55-9	1.2	13	79	mg/m^3
1443	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	30	330	2,000	mg/m^3
1444	Dimethylheptane, 2,2-	1071-26-7	230	385	5,000	ppm
1445	Methylaziridine, 1-	1072-44-2	0.058	0.64	3.9	ppm

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1446	Benzene-d6; (Deuterated benzene)	1076-43-3	52	800	4,000	ppm
1447	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	0.23	2.6	15	mg/m^3
1448	Dimethyldimethoxysilane	1112-39-6	14	150	920	mg/m^3
1449	Diammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	30	330	2,000	mg/m^3
1450	Vinyl sulfoxide	1115-15-7	0.4	4.4	26	mg/m^3
1451	Trioctylamine; (N,N-Dioctyl-1-octanamine)	1116-76-3	6	66	400	mg/m^3
1452	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	30	330	2,000	mg/m^3
1453	Tetradecyltrimethylammonium bromide	1119-97-7	12	130	770	mg/m^3
1454	Undecane	1120-21-4	2.3	26	150	ppm
1455	Propane sultone, 1,3-	1120-71-4	1.6	18	110	mg/m^3
1456	Nitrocyclohexane	1122-60-7	0.14	1.5	9	mg/m^3
1457	Nitropyridine-N-oxide, 4-; (Pyridine, 4-nitro, 1-oxide)	1124-33-0	7.3	80	1,600	mg/m^3
1458	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	0.44	4.8	21	mg/m^3
1459	Morpholinepropanesulfonic acid, 4-	1132-61-2	130	1,400	8,500	mg/m^3
1460	Cyclohexylamino)-1-propanesulfonic acid, 3-; (CAPS)	1135-40-6	6	66	400	mg/m^3
1461	Tin(IV) isopropoxide	1184-61-8	0.7	7.7	46	mg/m^3
1462	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	12	130	790	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1463	Methyltrimethoxysilane	1185-55-3	38	410	2,500	mg/m^3
1464	Ferric ammonium citrate	1185-57-5	5.4	59	360	mg/m^3
1465	Diisobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	5.4	54	330	ppm
1466	Trichloro-2-nitrosobenzene, 1,3,5-	1196-13-0	2.3	25	150	mg/m^3
1467	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	3.5	38	230	mg/m^3
1468	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	0.16	1.8	11	mg/m^3
1469	Aluminum carbide	1299-86-1	4	43	260	mg/m^3
1470	Xylidine	1300-73-8	10	25	150	ppm
1471	Sodium aluminate; (Aluminum sodium dioxide)	1302-42-7	18	200	1,200	mg/m^3
1472	Lithium aluminum silicate; (Petalite)	1302-66-5	34	360	2,200	mg/m^3
1473	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	3	33	200	mg/m^3
1474	Arsenic pentoxide	1303-28-2	0.73	8	150	mg/m^3
1475	Boron oxide	1303-86-2	30	100	620	mg/m^3
1476	Lithium tetraborate pentahydrate	1303-94-2	6.6	72	430	mg/m^3
1477	Sodium borate decahydrate (Borax)	1303-96-4	6	190	1,100	mg/m^3
1478	Barium oxide	1304-28-5	1.7	200	1,200	mg/m^3
1479	Barium dioxide; (Barium peroxide)	1304-29-6	1.8	230	1,400	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1480	Beryllium oxide	1304-56-9	0.0063	0.069	0.28	mg/m^3
1481	Bismuth oxide	1304-76-3	15	170	990	mg/m^3
1482	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	13	150	890	mg/m^3
1483	Calcium hydroxide	1305-62-0	1	240	1,500	mg/m^3
1484	Calcium oxide	1305-78-8	6	110	660	mg/m^3
1485	**Calcium phosphide**	**1305-99-3**	0.091	**1.0**	**1.8**	ppm
1486	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	190	2,100	12,000	mg/m^3
1487	Cadmium oxide	1306-19-0	0.11	0.87	5.4	mg/m^3
1488	Cadmium sulfide	1306-23-6	0.13	0.98	6	mg/m^3
1489	Ceric oxide	1306-38-3	3	33	200	mg/m^3
1490	Cobalt(II) oxide	1307-96-6	0.076	4.2	25	mg/m^3
1491	Cobalt oxide; (Cobaltic-cobaltous oxide)	1308-06-1	0.082	4.5	27	mg/m^3
1492	Chromic(III) hydroxide; (Chromic acid (H3CrO3); Chromium trihydroxide)	1308-14-1	3	33	200	mg/m^3
1493	Chromite; (Chromite (mineral))	1308-31-2	3.2	36	220	mg/m^3
1494	Chromic oxide; (Chromium(III) oxide; Chromium sesquioxide)	1308-38-9	2.2	24	140	mg/m^3
1495	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	15	170	990	mg/m^3
1496	Europium oxide	1308-96-9	15	170	990	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1497	Ferric hydroxide; (Iron(III) hydroxide)	1309-33-7	30	330	2,000	mg/m^3
1498	Iron oxide; (Ferric oxide)	1309-37-1	15	360	2,200	mg/m^3
1499	Magnesium hydroxide	1309-42-8	26	280	1,700	mg/m^3
1500	Magnesium oxide	1309-48-4	30	120	730	mg/m^3
1501	Lead dioxide	1309-60-0	0.17	140	810	mg/m^3
1502	Antimony oxide	1309-64-4	1.8	16	96	mg/m^3
1503	Goethite; (Iron hydroxide oxide)	1310-14-1	30	330	2,000	mg/m^3
1504	Germanium oxide	1310-53-8	3.8	41	250	mg/m^3
1505	Potassium hydroxide	1310-58-3	0.18	2	54	mg/m^3
1506	Lithium hydroxide	1310-65-2	0.091	1	42	mg/m^3
1507	Lithium hydroxide monohydrate	1310-66-3	0.16	1.8	74	mg/m^3
1508	**Sodium hydroxide**	**1310-73-2**	**0.5**	**5**	**50**	mg/m^3
1509	Rubidium hydroxide	1310-82-3	1.8	19	120	mg/m^3
1510	Indium(III) oxide	1312-43-2	0.36	4.8	29	mg/m^3
1511	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	30	330	2,000	mg/m^3
1512	Lanthanum oxide	1312-81-8	4	44	270	mg/m^3
1513	Manganese dioxide	1313-13-9	4.7	7.9	690	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1514	Molybdenum trioxide (Molybdenum(VI) oxide)	1313-27-5	2.3	43	260	mg/m^3
1515	Disodium monoxide; (Disodium oxide; Sodium oxide)	1313-59-3	0.5	5	50	mg/m^3
1516	Sodium peroxide	1313-60-6	0.5	5	50	mg/m^3
1517	Sodium sulfide	1313-82-2	0.62	6.9	41	mg/m^3
1518	Sodium sulfide nonahydrate	1313-84-4	0.17	1.9	11	mg/m^3
1519	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	6.6	72	430	mg/m^3
1520	Neodymium(III) oxide	1313-97-9	15	170	990	mg/m^3
1521	Nickel oxide; (Nickel(II) oxide)	1313-99-1	0.76	220	1,300	mg/m^3
1522	Palladium oxide	1314-08-5	15	160	970	mg/m^3
1523	Thallium oxide; (Thallous oxide)	1314-12-1	0.062	3.5	21	mg/m^3
1524	Zinc oxide	1314-13-2	10	15	2,500	mg/m^3
1525	Thorium oxide; (Thorium dioxide)	1314-20-1	30	330	2,000	mg/m^3
1526	Zirconium oxide	1314-23-4	14	110	680	mg/m^3
1527	Phosphorus trioxide	1314-24-5	1.2	13	79	mg/m^3
1528	Thallium(III) oxide; (Thallium sesquioxide; Thallic oxide)	1314-32-5	0.18	2	8.7	mg/m^3
1529	Vanadium trioxide	1314-34-7	0.0067	0.074	51	mg/m^3
1530	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	13	140	860	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1531	Yttrium trioxide	1314-36-9	3.8	43	260	mg/m^3
1532	Ytterbium oxide	1314-37-0	30	330	2,000	mg/m^3
1533	Lead tetroxide	1314-41-6	0.17	130	770	mg/m^3
1534	**Phosphorus pentoxide**	**1314-56-3**	**1**	**10**	**50**	mg/m^3
1535	Tantalum(V) oxide	1314-61-0	12	260	1,600	mg/m^3
1536	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	0.64	7	70	mg/m^3
1537	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	3	33	200	mg/m^3
1538	Phosphorus pentasulfide	1314-80-3	3	130	750	mg/m^3
1539	**Zinc phosphide**	**1314-84-7**	0.091	**1.0**	**1.8**	ppm
1540	Lead sulfide	1314-87-0	0.17	140	810	mg/m^3
1541	Zinc sulfide	1314-98-3	8.9	99	590	mg/m^3
1542	Antimony pentasulfide	1315-04-4	2.5	22	130	mg/m^3
1543	Molybdenum(IV) sulfide	1317-33-5	50	260	1,600	mg/m^3
1544	Manganese(III) oxide	1317-34-6	4.3	7.2	43	mg/m^3
1545	Manganese oxide; (Manganese tetroxide)	1317-35-7	4.2	6.9	41	mg/m^3
1546	Lead oxide; (Lead monoxide)	1317-36-8	0.16	130	750	mg/m^3
1547	Iron sulfide	1317-37-9	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1548	Cupric oxide	1317-38-0	0.75	11	93	mg/m^3
1549	Copper oxide; (Copper(I) oxide)	1317-39-1	0.68	16	93	mg/m^3
1550	Copper(II) sulfide	1317-40-4	4.5	50	300	mg/m^3
1551	Iron(II,III) oxide; (Ferrosoferric oxide)	1317-61-9	21	230	1,400	mg/m^3
1552	Limestone; (Calcium carbonate; Dolomite)	1317-65-3	45	500	3,000	mg/m^3
1553	Vermiculite, exfoliated	1318-00-9	32	360	2,200	mg/m^3
1554	Montmorillonite	1318-93-0	30	330	2,000	mg/m^3
1555	Cresols, all isomers; (includes 95-48-7,108-39-4,106-44-5)	1319-77-3	14	25	250	ppm
1556	Dichlorotetrafluoroethane	1320-37-2	140	1,600	9,500	ppm
1557	Tetrahydrodimethylfuran	1320-94-1	12	130	790	mg/m^3
1558	Trichloronaphthalene	1321-65-9	15	170	990	mg/m^3
1559	Diethylenylbenzene; (Vinylstyrene) (m-Divinylbenzene, 108-57-6)	1321-74-0	30	58	350	ppm
1560	Potassium aluminosilicate	1327-44-2	35	400	2,400	mg/m^3
1561	**Arsenic trioxide**	**1327-53-3**	0.27	**3.0**	**9.1**	mg/m^3
1562	**Xylenes**	**1330-20-7**	**130**	**920**	**2,500**	ppm
1563	Sodium borate; (Disodium tetraborate)	1330-43-4	6	88	530	mg/m^3
1564	Methylcyclohexanone	1331-22-2	15	170	1,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1565	Dichloroethylbenzene; (Ethyldichlorobenzene)	1331-29-9	17	180	1,100	mg/m^3
1566	Asbestos, inlcudes: (Amosite, 12172-73-5, Ascarite, 81133-20-2, Chrysotile, 1332-21-4)	1332-21-4	0.05	0.55	3.3	mg/m^3
1567	Tin(II) oxide	1332-29-2	7.6	85	510	mg/m^3
1568	Hydrogen	1333-74-0	65,000	2.30E+05	4.00E+05	ppm
1569	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	0.29	5	30	mg/m^3
1570	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	12	140	820	mg/m^3
1571	Aluminum oxide hydrate	1333-84-2	15	130	780	mg/m^3
1572	Carbon black	1333-86-4	9	99	590	mg/m^3
1573	Lead acetate, basic; (Lead subacetate)	1335-32-6	5.4	59	360	mg/m^3
1574	Hexachloronaphthalene	1335-87-1	0.6	6.6	40	mg/m^3
1575	Ammonium hydroxide	1336-21-6	61	330	2,300	ppm
1576	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	13	140	840	mg/m^3
1577	Methyl ethyl ketone peroxide	1338-23-4	1.8	20	22	ppm
1578	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	11	130	750	mg/m^3
1579	Magnesium silicate; (Florisil)	1343-88-0	30	330	2,000	mg/m^3
1580	Magnesium silicate hydrate	1343-90-4	30	330	2,000	mg/m^3
1581	Silica gel dessicant	1343-98-2	18	95	570	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1582	Silicic acid, aluminum calcium sodium salt	1344-01-0	30	330	2,000	mg/m^3
1583	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	5.9	65	390	mg/m^3
1584	Aluminum oxide; (Alumina)	1344-28-1	5.7	15	25	mg/m^3
1585	Manganous oxide; (Manganese(II) oxide)	1344-43-0	3.9	6.5	39	mg/m^3
1586	**Uranium dioxide; (Uranium(IV) oxide)**	**1344-57-6**	0.68	**10**	**30**	mg/m^3
1587	**Uranium trioxide**	**1344-58-7**	0.045	**0.5**	**3**	mg/m^3
1588	**Uranium oxide; (Triuranium octaoxide)**	**1344-59-8**	0.71	**10**	**50**	mg/m^3
1589	Cerium trioxide	1345-13-7	1.6	17	100	mg/m^3
1590	Iron(II) oxide; (Ferrous oxide)	1345-25-1	45	500	3,000	mg/m^3
1591	Abrin	1393-62-0	6.60E-07	7.20E-06	4.30E-05	mg/m^3
1592	Antimycin A	1397-94-0	0.16	1.8	5.5	mg/m^3
1593	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	0.19	2	12	mg/m^3
1594	Diisopropyl methylphosphonate	1445-75-6	2.5	27	160	mg/m^3
1595	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7	4.80E-04	0.006	0.022	ppm
1596	Trimethylgallium	1445-79-0	1.2	13	79	mg/m^3
1597	Methyl alcohol-d	1455-13-6	530	2,100	7,200	ppm
1598	Bioxirane, 2,2'-; (1,2:3,4-Diepoxybutane)	1464-53-5	0.091	1	4	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1599	Imidazole hydrochloride	1467-16-9	12	130	790	mg/m^3
1600	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	2	22	130	ppm
1601	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	12	130	790	mg/m^3
1602	**Ethylphosphorodichloridate**	**1498-51-7**	0.018	**0.20**	**0.6**	ppm
1603	Triphenylethoxysilane	1516-80-9	30	330	2,000	mg/m^3
1604	Tetracyanoquinodimethane	1518-16-7	0.18	2	12	mg/m^3
1605	Fluoro-6-nitrophenol, 2-	1526-17-6	120	1,300	7,900	mg/m^3
1606	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	30	330	2,000	mg/m^3
1607	**Chloromethyl(trichloro)silane**	**1558-25-4**	**0.60**	**7.3**	**33**	ppm
1608	Ethylhexyloxy)ethanol, 2-(2-	1559-35-9	9.2	100	610	mg/m^3
1609	Carbofuran	1563-66-2	0.3	0.43	3.7	mg/m^3
1610	Trifluralin; (2,6-Dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine)	1582-09-8	1.2	13	78	mg/m^3
1611	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	1.2	13	79	mg/m^3
1612	Mercuric acetate	1600-27-7	0.048	0.064	3.2	mg/m^3
1613	Diethyl pyrocarbonate	1609-47-8	4.1	45	270	mg/m^3
1614	Butyl isocyanate, tert-	1609-86-5	0.0099	0.11	0.65	ppm
1615	Diethylaminoacetone	1620-14-0	0.12	1.3	7.8	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1616	Chloroethanesulfonyl chloride, 2-	1622-32-8	0.23	2.5	19	mg/m^3
1617	Strontium carbonate	1633-05-2	71	780	4,700	mg/m^3
1618	**Methyl tert-butyl ether; (MTBE)**	**1634-04-4**	**50**	**570**	**5,300**	ppm
1619	Butanaminium, N,N,N-tributyl-1-, bromide; (Tetrabutylammonium bromide)	1643-19-2	30	330	2,000	mg/m^3
1620	Bathophenanthroline	1662-01-7	30	330	2,000	mg/m^3
1621	Dichloromethane-d2	1665-00-5	200	560	6,900	ppm
1622	Bisphenol A diglycidyl ether	1675-54-3	39	430	2,600	mg/m^3
1623	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	21	230	1,400	ppm
1624	Tetrahydrofuran-d8	1693-74-9	100	500	5,000	ppm
1625	Butyl acetoacetate, tert-	1694-31-1	15	170	990	mg/m^3
1626	Isopropyl nitrate	1712-64-7	15	50	300	ppm
1627	Bromopyrene, 3-	1714-29-0	30	330	2,000	mg/m^3
1628	**HCFC-141b; (Dichloro-1-fluoroethane, 1,1-; Freon 141)**	**1717-00-6**	**1,000**	**1,700**	**3,000**	ppm
1629	**Diethyldichlorosilane**	**1719-53-5**	**0.9**	**11**	**50**	ppm
1630	Allylmagnesium bromide	1730-25-2	30	330	2,000	mg/m^3
1631	Dimethylimidizole, 1,2-	1739-84-0	2.2	24	140	mg/m^3
1632	TCDD; (2,3,7,8-Tetrachlorodibenzo-p-dioxin; Dioxin)	1746-01-6	1.30E-04	0.0014	0.0085	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1633	Acetone thiosemicarbazide	1752-30-3	9.1	100	600	mg/m^3
1634	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	23	250	1,500	mg/m^3
1635	Ammonium thiocyanate	1762-95-4	2.3	25	150	mg/m^3
1636	**Phosgene oxime**	**1794-86-1**	**0.028**	**0.083**	**13**	mg/m^3
1637	Dibutyl phosphite	1809-19-4	9.6	110	630	mg/m^3
1638	Trimethylsilylmethyllithium	1822-00-0	1.2	13	79	mg/m^3
1639	Methoxytrimethylsilane	1825-61-2	12	130	800	ppm
1640	Vinylmagnesium bromide	1826-67-1	1.2	13	79	mg/m^3
1641	Ethyl methylphosphonic acid; (EMPA; VX acid; Ethyl methyl phosphonate; Ethyl methyl phosphonic acid)	1832-53-7	10	110	1,600	mg/m^3
1642	Phosphonic acid, methyl-, mono(1-methylethyl) ester; (Isopropyl methylphosphonic acid)	1832-54-8	21	230	1,400	mg/m^3
1643	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	0.65	7.2	43	mg/m^3
1644	Ammonium benzoate	1863-63-4	2.5	27	160	mg/m^3
1645	**Phenyl Chloroformate; (Carbonochloridic acid, phenyl ester)**	**1885-14-9**	0.017	**0.19**	**0.57**	ppm
1646	Hexachloropropene	1888-71-7	0.089	0.98	5.9	ppm
1647	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	0.52	5.7	34	mg/m^3
1648	Chlorothalonil; (Tetrachloroisophthalonitrile)	1897-45-6	0.13	1.4	8.6	mg/m^3
1649	Paraquat dichloride	1910-42-5	0.15	1.6	9.6	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1650	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	20	31	190	mg/m^3
1651	Potassium glycolate	1932-50-9	6	65	410	ppm
1652	Cyclohexyl methyl phosphonic acid	1932-60-1	30	330	2,000	mg/m^3
1653	Direct Black 38; (Apomine black GX)	1937-37-7	74	810	4,900	mg/m^3
1654	Tetrabutylammonium nitrate	1941-27-1	0.033	0.36	2.2	mg/m^3
1655	Chloroxuron	1982-47-4	0.91	10	68	mg/m^3
1656	Ethanediylbis(N-(carboxymethyl)glycine), N,N'-1,2-, dipotassium salt	2001-94-7	1.5	16	97	mg/m^3
1657	Valinomycin	2001-95-8	0.23	2.5	15	mg/m^3
1658	Methyltriethoxysilane	2031-67-6	3.3	36	220	ppm
1659	Bromoacetaldehyde diethyl acetal	2032-35-1	12	130	790	mg/m^3
1660	Methiocarb; (Mercaptodimethur)	2032-65-7	1.4	15	90	mg/m^3
1661	Toluene-d8; (Deuterated toluene)	2037-26-5	67	560	3,700	ppm
1662	Thorium oxalate	2040-52-0	30	330	2,000	mg/m^3
1663	Di-n-amylamine	2050-92-2	0.041	0.45	2.7	ppm
1664	Butyl levulinate	2052-15-5	15	170	990	mg/m^3
1665	Tetrabutylammonium hydroxide	2052-49-5	1.2	13	79	mg/m^3
1666	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	0.014	0.15	20	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1667	Phenylsilatrane	2097-19-0	0.091	1	6	mg/m^3
1668	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	0.45	5	50	mg/m^3
1669	Dichlorocyclohexane, 1,1-	2108-92-1	52	180	1,000	ppm
1670	Aldrithiol-2; (2,2'-Dithiodipyridine)	2127-03-9	30	330	2,000	mg/m^3
1671	Dichlorohexane, 1,2-	2162-92-7	1.9	21	120	ppm
1672	Dichlorooctane, 1,8-	2162-99-4	30	330	2,000	mg/m^3
1673	Dichlorohexane, 1,6-	2163-00-0	1.9	21	120	ppm
1674	Acetonitrile-d3	2206-26-0	13	50	150	ppm
1675	Methyl sulfoxide-d6; (Dimethyl-d6-sulfoxide)	2206-27-1	150	290	1,800	ppm
1676	Ethylheptane, 4-	2216-32-2	230	385	5,000	ppm
1677	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	0.61	4.6	28	mg/m^3
1678	Nickel(2+) stearate	2223-95-2	32	360	2,200	mg/m^3
1679	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	9.1	100	600	mg/m^3
1680	Octachloronaphthalene	2234-13-1	0.3	3.3	20	mg/m^3
1681	Diglycidyl ether	2238-07-5	0.77	8.5	25	ppm
1682	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	5.9	8	47	ppm
1683	Butanol, aluminum salt, 2-	2269-22-9	55	590	3,600	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1684	Diacetoxyscirpenol; (Anguidin; mycotoxin)	2270-40-8	9.90E-04	0.011	0.34	mg/m^3
1685	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	0.15	1.7	10	mg/m^3
1686	Iotalamic acid	2276-90-6	120	1,300	7,800	mg/m^3
1687	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	6.5	72	430	ppm
1688	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5	0.78	8.6	65	mg/m^3
1689	Ethoxyethyl methacrylate, 2-	2370-63-0	120	1,300	7,900	mg/m^3
1690	Mirex; (Perchloropentacyclodecane)	2385-85-5	6.3	69	410	mg/m^3
1691	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	30	330	2,000	mg/m^3
1692	Bromoanisole, 3-; (1-Bromo-3-methoxybenzene)	2398-37-0	30	330	2,000	mg/m^3
1693	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1	3.7	40	240	mg/m^3
1694	Magnesium ethoxide	2414-98-4	30	330	2,000	mg/m^3
1695	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	30	330	2,000	mg/m^3
1696	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	16	170	220	mg/m^3
1697	Butyl glycidyl ether, n-	2426-08-6	9	580	3,500	ppm
1698	Auramine; (4,4'-(Imidocarbonyl)bis(N,N-dimethylamine) monohydrochloride)	2465-27-2	0.81	8.9	53	mg/m^3
1699	**Trimethoxysilane**	**2487-90-3**	**0.5**	**0.83**	**2.5**	ppm
1700	Oxydisulfoton	2497-07-6	0.32	3.5	21	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1701	Dimethyl phosphorochloridothioate	2524-03-0	0.29	3.2	15	mg/m^3
1702	Diphenyl chlorophosphate; (Diphenylphosphoryl chloride)	2524-64-3	1.2	13	79	mg/m^3
1703	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimethoxysilane)	2530-83-8	9.3	100	230	mg/m^3
1704	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	71	780	4,700	mg/m^3
1705	Chloropropyl)trimethoxysilane, 3-(; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	0.64	7	160	ppm
1706	Formothion	2540-82-1	2.1	24	140	mg/m^3
1707	Sulfur hexafluoride	2551-62-4	3,000	33,000	2.00E+05	ppm
1708	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	2.3	25	150	ppm
1709	Pentadecylamine	2570-26-5	0.18	2	40	mg/m^3
1710	Sulfonylbis-ethanol, 2,2'-	2580-77-0	1.2	13	79	mg/m^3
1711	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	1.8	20	120	mg/m^3
1712	Formylpiperidine, 1-	2591-86-8	0.58	6.3	38	ppm
1713	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	20	220	1,300	mg/m^3
1714	Chloroethylchloromethylsulfide, 2-	2625-76-5	0.01	0.02	0.32	ppm
1715	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	1.5	16	96	mg/m^3
1716	Cyanophos	2636-26-2	2.3	25	130	mg/m^3
1717	Azinphos ethyl; (Ethyl guthion)	2642-71-9	0.35	3.9	17	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1718	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	0.38	4.2	25	mg/m^3
1719	Brilliant blue; (Acid blue 9)	2650-18-2	30	330	2,000	mg/m^3
1720	Methylphosphonothioic acid, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	0.73	8	48	mg/m^3
1721	Dimethylacrylamide, N,N-	2680-03-7	0.15	1.7	50	mg/m^3
1722	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	19	210	1,300	mg/m^3
1723	Nitrosyl chloride	2696-92-6	0.014	0.15	0.9	ppm
1724	**Chlorobenzylidene malononitrile, o-; (Tear Gas)**	**2698-41-1**	**0.005**	**0.083**	**11**	mg/m^3
1725	**Sulfuryl fluoride**	**2699-79-8**	10	**21**	**64**	ppm
1726	Methylphosphonothioic acid-, O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	0.91	10	60	mg/m^3
1727	Thallous malonate	2757-18-8	0.18	2	25	mg/m^3
1728	Trimethyltriheptylamine, 6,6',6''-; (Triisooctylamine)	2757-28-0	4.3	48	290	mg/m^3
1729	Muscimol; (5-Aminomethyl-3-isoxyzole)	2763-96-4	1.5	17	100	mg/m^3
1730	Trimethoxyvinylsilane; (Vinyltrimethoxysilane; Silane, trimethoxyvinyl-)	2768-02-7	9.5	100	120	ppm
1731	Endothion	2778-04-3	1.5	17	100	mg/m^3
1732	Ethylene glycol monopropyl ether; (Propyl cellosolve; Ektasolve EP)	2807-30-9	2.2	24	140	ppm
1733	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidine bisphosphonic acid, 1-)	2809-21-4	7.2	79	480	mg/m^3
1734	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	5.1	56	350	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1735	**Chloro-1,1,1,2-tetrafluoroethane, 2-**	**2837-89-0**	**1,000**	**5,000**	**10,000**	ppm
1736	Methyldecane, 4-	2847-72-5	6.6	73	440	ppm
1737	Amino-2-methyl-2-propanol, 1-	2854-16-2	4.3	47	280	mg/m^3
1738	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	1.2	13	79	mg/m^3
1739	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	mg/m^3
1740	Chlorpyrifos; (Dursban)	2921-88-2	0.6	15	44	mg/m^3
1741	**Allyl chlorocarbonate**	**2937-50-0**	0.064	**0.70**	**2.1**	ppm
1742	**Ethylchlorothioformate**	**2941-64-2**	0.024	**0.26**	**0.79**	ppm
1743	Phenyltrimethoxysilane	2996-92-1	0.59	6.5	39	mg/m^3
1744	Ammonium citrate, dibasic	3012-65-5	0.65	7.1	43	mg/m^3
1745	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	30	330	2,000	mg/m^3
1746	Oxybis(N,N-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	0.15	1.4	8.4	ppm
1747	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	4.1	45	1,300	mg/m^3
1748	Phosphonic acid, tridodecyl ester	3076-63-9	9.5	100	630	mg/m^3
1749	Ethanol, titanium(4+) salt	3087-36-3	30	330	2,000	mg/m^3
1750	Tetrapropylorthotitanate	3087-37-4	30	330	2,000	mg/m^3
1751	Acetylaminofluorenone, 2-	3096-50-2	12	130	790	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1752	Epibromohydrin	3132-64-7	0.98	11	65	mg/m^3
1753	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	0.8	8.8	53	mg/m^3
1754	**Cyclohexyl isocyanate**	**3173-53-3**	0.0031	**0.034**	**0.10**	ppm
1755	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	13	140	860	mg/m^3
1756	Sodium o-benzyl-p-chlorophenate	3184-65-4	30	330	2,000	mg/m^3
1757	Octanedione, 2,5-	3214-41-3	10	110	670	mg/m^3
1758	Potassium tetraphenylborate	3244-41-5	12	130	790	mg/m^3
1759	Copper nitrate; (Cupric nitrate)	3251-23-8	8.9	31	190	mg/m^3
1760	Phosphoric acid, dimethyl-p-(methylthio)phenyl ester	3254-63-5	0.64	7	42	mg/m^3
1761	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	0.43	4.7	28	mg/m^3
1762	**Trimethylacetyl chloride; (Pivaloyl chloride)**	**3282-30-2**	0.015	**0.16**	**0.47**	ppm
1763	Peroxydicarbonic acid, disodium salt	3313-92-6	3.4	37	220	mg/m^3
1764	Butanephosphonic acid	3321-64-0	9.6	110	630	mg/m^3
1765	Nickel(II) carbonate (1:1)	3333-67-3	0.61	6.6	40	mg/m^3
1766	Nickel formate	3349-06-2	7.6	83	500	mg/m^3
1767	Dichloroamine; (Chlorimide)	3400-09-7	0.14	1.5	9.2	ppm
1768	Hydroxyphenyl)benzothiazole, 2-(2-	3411-95-8	17	190	1,100	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1769	Dimethoxybutane, 2,2-	3453-99-4	5.2	57	340	ppm
1770	Butanediol dinitrate, 1,4-	3457-91-8	0.016	0.2	80	ppm
1771	Ammonium citrate tribasic	3458-72-8	0.69	7.7	46	mg/m^3
1772	Dinitraniline orange; (Hansa orange RN)	3468-63-1	30	330	2,000	mg/m^3
1773	Zinc carbonate	3486-35-9	12	130	750	mg/m^3
1774	Trimethylhexane, 2,2,5-; (Neononane)	3522-94-9	600	6,600	40,000	ppm
1775	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8	0.09	0.18	2.9	mg/m^3
1776	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	0.73	8	1,100	mg/m^3
1777	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	1.2	13	78	mg/m^3
1778	Xylenol orange tetrasodium salt	3618-43-7	30	330	2,000	mg/m^3
1779	Lead arsenate; (Trilead diarsenate)	3687-31-8	9.1	100	600	mg/m^3
1780	Sulfotep; (TEDP)	3689-24-5	0.32	3.5	35	mg/m^3
1781	Chlorophacinone	3691-35-8	0.0047	0.051	0.31	mg/m^3
1782	Crotonic Acid	3724-65-0	3	33	200	mg/m^3
1783	Amiton oxalate	3734-97-2	0.009	0.099	0.59	mg/m^3
1784	Methyl phencapton	3735-23-7	1	11	44	mg/m^3
1785	Methyl-4-penten-2-one, 4-	3744-02-3	25	830	5,000	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1786	Potassium chlorate	3811-04-9	5.6	62	370	mg/m^3
1787	Fuberidazole	3878-19-1	0.3	3.3	15	mg/m^3
1788	Chloroacetic acid, sodium salt	3926-62-3	7.2	79	480	mg/m^3
1789	Tert-butylpyridine, 4-	3978-81-2	30	330	2,000	mg/m^3
1790	Thiophosphoryl chloride	3982-91-0	0.093	1	6.1	mg/m^3
1791	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	1.8	20	25	mg/m^3
1792	Di(ethylene glycol) diacrylate	4074-88-8	0.75	8.3	50	mg/m^3
1793	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3	1.5	17	99	mg/m^3
1794	Tris(2-aminoethyl)amine	4097-89-6	1	11	49	mg/m^3
1795	Isophorone diisocyanate	4098-71-9	0.02	0.14	0.6	ppm
1796	Phosacetim	4104-14-7	0.34	3.7	11	mg/m^3
1797	**Dichlorosilane**	**4109-96-0**	**0.90**	**11**	**50**	ppm
1798	Lithium diisopropylamide; (LDA)	4111-54-0	30	330	2,000	mg/m^3
1799	Ethenylsilanetriol triacetate	4130-08-9	30	330	2,000	mg/m^3
1800	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	6.4	31	190	mg/m^3
1801	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	1.2	13	79	mg/m^3
1802	**Crotonaldehyde**	**4170-30-3**	**0.19**	**4.4**	**14**	ppm

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1803	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	13	140	850	mg/m^3
1804	Methyltriacetoxysilane	4253-34-3	6.2	68	410	mg/m^3
1805	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	0.008	0.088	0.53	mg/m^3
1806	Fluenetil	4301-50-2	0.55	6	9.1	mg/m^3
1807	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	12	130	790	mg/m^3
1808	Tetrodotoxin; (fugu poison)	4368-28-9	6.30E-05	6.90E-04	0.0041	mg/m^3
1809	Phosphonoacetic acid	4408-78-0	30	330	2,000	mg/m^3
1810	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	0.12	1.3	7.8	mg/m^3
1811	Trimethoxysilyl-1-propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	2.2	24	150	mg/m^3
1812	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	120	1,300	7,900	mg/m^3
1813	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8	15	170	990	mg/m^3
1814	Cyclohexylethanol, 2-	4442-79-9	2.8	31	190	mg/m^3
1815	**Dodecyltrichlorosilane**	**4484-72-4**	**0.60**	**7.3**	**33**	ppm
1816	Lithium stearate	4485-12-5	45	500	3,000	mg/m^3
1817	Tetrapropylammonium hydroxide	4499-86-9	1.2	13	79	mg/m^3
1818	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	0.34	3.8	47	mg/m^3
1819	Farnesol	4602-84-0	18	200	1,200	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1820	Chlorobutyryl chloride, 4-	4635-59-0	0.43	4.8	29	mg/m^3
1821	Paraquat	4685-14-7	0.3	4.4	26	mg/m^3
1822	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	2.3	25	150	mg/m^3
1823	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	0.11	1.2	7.2	mg/m^3
1824	Dibutylhexamethylenediamine, N,N'-	4835-11-4	0.2	2.2	9.7	mg/m^3
1825	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	30	330	2,000	ppm
1826	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	30	330	2,000	mg/m^3
1827	Aminopyrazine, 2-	5049-61-6	1.5	1.7	10	ppm
1828	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	mg/m^3
1829	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	0.015	0.29	1.7	ppm
1830	Methyltrioctylammonium chloride	5137-55-3	0.67	7.4	44	mg/m^3
1831	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	mg/m^3
1832	Zinc carbonate hydroxide	5263-02-5	13	150	870	mg/m^3
1833	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Lauryl alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	30	330	2,000	mg/m^3
1834	**Octyltrichlorosilane**	**5283-66-9**	**0.60**	**7.3**	**33**	ppm
1835	**Nonyltrichlorosilane**	**5283-67-0**	**0.60**	**7.3**	**33**	ppm
1836	Sulfamic acid	5329-14-6	9.5	100	630	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1837	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	15	94	560	ppm
1838	Hydrazine, dihydrochloride	5341-61-7	1.8	20	120	mg/m^3
1839	Chlorophenyl thiourea, 2-	5344-82-1	0.014	0.15	0.91	mg/m^3
1840	Pigment yellow 14	5468-75-7	15	170	990	mg/m^3
1841	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	0.42	4.7	28	mg/m^3
1842	Nitropyrene, 1-	5522-43-0	0.0064	0.07	0.42	mg/m^3
1843	Chloroethyl phenyl sulfide, 2-	5535-49-9	1.2	13	79	mg/m^3
1844	Tetrabutyl ammonium phosphate	5574-97-0	30	330	2,000	mg/m^3
1845	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	0.67	7.4	44	ppm
1846	Sulfur pentafluoride	5714-22-7	9.10E-04	0.01	1	ppm
1847	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	30	330	2,000	mg/m^3
1848	Calcium oxalate, monohydrate	5794-28-5	14	150	900	mg/m^3
1849	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	30	330	2,000	mg/m^3
1850	Mustard gas sulfoxide; (bis(2-Chloroethyl)sulfoxide)	5819-08-9	0.52	5.7	34	mg/m^3
1851	Coumatetralyl; (Endrocide)	5836-29-3	0.0064	0.071	1.7	mg/m^3
1852	Ethanethiol, 2-[bis(1-methylethyl)amino]-; (Ethanethiol, 2-(Diisopropylamino)-	5842-07-9	0.016	0.18	1.1	mg/m^3
1853	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	88	970	5,900	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1854	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	12	130	790	mg/m^3
1855	Sodium carbonate monohydrate	5968-11-6	14	150	910	mg/m^3
1856	Zinc acetate dihydrate	5970-45-6	2.4	26	160	mg/m^3
1857	Ammonium oxalate monohydrate	5972-73-6	30	330	2,000	mg/m^3
1858	Limonene, d-	5989-27-5	15	67	170	ppm
1859	Gallic acid monohydrate	5995-86-8	18	190	1,200	mg/m^3
1860	Sodium glycinate	6000-44-8	0.47	5.1	31	ppm
1861	Ammonium oxalate; (Diammonium oxalate monohydrate)	6009-70-7	30	330	2,000	mg/m^3
1862	Nickel acetate tetrahydrate	6018-89-9	13	140	830	mg/m^3
1863	Copper(II) acetate monohydrate	6046-93-1	9.4	23	140	mg/m^3
1864	Tantalum(V) ethoxide	6074-84-6	22	240	1,500	mg/m^3
1865	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	14	150	920	mg/m^3
1866	Phloroglucinol dihydrate	6099-90-7	2.2	24	140	mg/m^3
1867	Potassium citrate, monohydrate	6100-05-6	30	330	2,000	mg/m^3
1868	Sodium succinate, hexahydrate	6106-21-4	25	270	1,600	mg/m^3
1869	Sodium tartrate dihydrate	6106-24-7	30	330	2,000	mg/m^3
1870	Lithium acetate dihydrate	6108-17-4	3.2	36	210	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1871	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	11	120	690	mg/m^3
1872	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	2.1	23	140	mg/m^3
1873	Oxalic acid dihydrate	6153-56-6	2	83	500	mg/m^3
1874	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	13	22	740	mg/m^3
1875	Toluenesulphonic acid monohydrate, para-; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	7.7	85	510	mg/m^3
1876	Phenylxylylethane; (PXE)	6196-95-8	30	330	2,000	mg/m^3
1877	Barium diphenylamine sulfonate	6211-24-1	6.9	850	5,100	mg/m^3
1878	Hypophosphorus acid; (Phosphonic acid)	6303-21-5	30	330	2,000	mg/m^3
1879	Carbazole violet	6358-30-1	30	330	2,000	mg/m^3
1880	Sodium potassium tartrate tetrahydrate	6381-59-5	9	99	590	mg/m^3
1881	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	30	330	2,000	mg/m^3
1882	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	1	12	69	mg/m^3
1883	Dipentyl pentylphosphonate	6418-56-0	13	140	830	mg/m^3
1884	Nitrilotris(methylene)trisphosphonic acid; (Amino, tris[methylene phosphonic acid])	6419-19-8	30	69	420	mg/m^3
1885	**Propylene glycol dinitrate**	**6423-43-4**	**0.17**	**1.0**	**13**	ppm
1886	Ammonium nitrate	6484-52-2	6.7	73	440	mg/m^3
1887	Lanthanum carbonate	6487-39-4	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1888	Potassium oxalate monohydrate	6487-48-5	2	22	130	mg/m^3
1889	Thallium(I) carbonate (2:1)	6533-73-9	0.18	2	23	mg/m^3
1890	**BZ; (3-Quinuclidinyl benzilate)**	**6581-06-2**	1.00E-03	**0.011**	**0.21**	mg/m^3
1891	Chlorocyclohexanol, trans-2-	6628-80-4	2.7	30	180	mg/m^3
1892	Diazabicyclo(5.4.0)undec-7-ene, 1,8-	6674-22-2	1.2	13	79	mg/m^3
1893	Sodium silicate; (Sodium metasilicate)	6834-92-0	3.8	42	250	mg/m^3
1894	Dimethoxydiphenylsilane	6843-66-9	0.027	0.3	1.8	mg/m^3
1895	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	18	190	1,200	mg/m^3
1896	Laromin C 260; (bis(4-Amino-3-methylcyclohexyl) methane; Dimethyldicyane)	6864-37-5	0.28	3.1	19	mg/m^3
1897	Barium stearate	6865-35-6	7.5	83	500	mg/m^3
1898	Dithioerythritol, 1,4-	6892-68-8	1.2	13	79	mg/m^3
1899	Malic acid; (Malic acid, DL)	6915-15-7	4.8	53	320	mg/m^3
1900	Benzylmagnesium chloride	6921-34-2	1.2	13	79	mg/m^3
1901	Monocrotophos	6923-22-4	0.15	0.63	3.5	mg/m^3
1902	Chlorophenyl phenyl ether, 4-	7005-72-3	1.5	35	210	mg/m^3
1903	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5	1.80E-04	0.0022	0.017	ppm
1904	Diisopropylethylamine, N,N-	7087-68-5	1.8	19	120	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1905	Phenyl-2-oxazoline, 2-	7127-19-7	30	330	2,000	ppm
1906	Didecyldimethylammonium chloride	7173-51-5	0.82	9	17	mg/m^3
1907	Pyridine-d5	7291-22-7	3	19	3,600	ppm
1908	Nonoxynol-4	7311-27-5	30	330	2,000	mg/m^3
1909	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	61	680	1,200	mg/m^3
1910	Aluminum acetate, basic	7360-44-3	27	290	1,800	mg/m^3
1911	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	30	330	2,000	mg/m^3
1912	Dihexyl((diethylcarbamoyl)methyl)phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	3	33	200	mg/m^3
1913	Diallyldimethylammonium chloride	7398-69-8	7.6	83	500	mg/m^3
1914	Dysprosium	7429-91-6	30	330	2,000	mg/m^3
1915	Iridium	7439-88-5	4.7	51	310	mg/m^3
1916	Iron	7439-89-6	3.2	35	150	mg/m^3
1917	Krypton	7439-90-9	65,000	2.30E+05	4.00E+05	ppm
1918	Lanthanum	7439-91-0	30	330	2,000	mg/m^3
1919	Lead	7439-92-1	0.15	120	700	mg/m^3
1920	Lithium	7439-93-2	3.3	36	220	mg/m^3
1921	Lutetium	7439-94-3	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1922	Magnesium	7439-95-4	18	200	1,200	mg/m^3
1923	Manganese	7439-96-5	3	5	1,800	mg/m^3
1924	**Mercury vapor**	**7439-97-6**	0.15	**1.7**	**8.9**	mg/m^3
1925	Molybdenum	7439-98-7	30	330	2,000	mg/m^3
1926	Neodymium	7440-00-8	30	330	2,000	mg/m^3
1927	Neon	7440-01-9	65,000	2.30E+05	4.00E+05	ppm
1928	Nickel	7440-02-0	4.5	50	99	mg/m^3
1929	Niobium	7440-03-1	30	330	2,000	mg/m^3
1930	Osmium	7440-04-2	0.28	3.1	19	mg/m^3
1931	Palladium	7440-05-3	6	66	400	mg/m^3
1932	Platinum	7440-06-4	3	33	200	mg/m^3
1933	Potassium	7440-09-7	2.3	25	150	mg/m^3
1934	Praseodymium	7440-10-0	1.2	13	79	mg/m^3
1935	Rhodium	7440-16-6	3	33	200	mg/m^3
1936	Rubidium	7440-17-7	3.9	43	260	mg/m^3
1937	Ruthenium	7440-18-8	30	330	2,000	mg/m^3
1938	Samarium	7440-19-9	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1939	Scandium	7440-20-2	30	330	2,000	mg/m^3
1940	Silicon	7440-21-3	45	100	630	mg/m^3
1941	Silver	7440-22-4	0.3	170	990	mg/m^3
1942	Sodium	7440-23-5	13	140	870	mg/m^3
1943	Strontium	7440-24-6	30	330	2,000	mg/m^3
1944	Tantalum	7440-25-7	10	11	64	mg/m^3
1945	Terbium	7440-27-9	1.2	13	79	mg/m^3
1946	Thallium	7440-28-0	0.06	13	20	mg/m^3
1947	Thorium	7440-29-1	30	330	2,000	mg/m^3
1948	Thulium	7440-30-4	30	330	2,000	mg/m^3
1949	Tin	7440-31-5	6	67	400	mg/m^3
1950	Titanium	7440-32-6	30	330	2,000	mg/m^3
1951	Tungsten	7440-33-7	10	330	2,000	mg/m^3
1952	Antimony	7440-36-0	1.5	13	80	mg/m^3
1953	Argon	7440-37-1	65,000	2.30E+05	4.00E+05	ppm
1954	Arsenic	7440-38-2	1.5	17	100	mg/m^3
1955	Barium	7440-39-3	1.5	180	1,100	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1956	**Beryllium**	**7440-41-7**	0.0023	**0.025**	**0.1**	mg/m^3
1957	Boron	7440-42-8	1.9	21	130	mg/m^3
1958	**Cadmium**	**7440-43-9**	**0.1**	**0.76**	**4.7**	mg/m^3
1959	Carbon; (Graphite, synthetic)	7440-44-0	6	16	95	mg/m^3
1960	Cerium	7440-45-1	30	330	2,000	mg/m^3
1961	Cesium	7440-46-2	5.6	61	370	mg/m^3
1962	Chromium	7440-47-3	1.5	17	99	mg/m^3
1963	Cobalt	7440-48-4	0.18	2	20	mg/m^3
1964	Copper	7440-50-8	3	33	200	mg/m^3
1965	Europium	7440-53-1	30	330	2,000	mg/m^3
1966	Gadolinium	7440-54-2	30	330	2,000	mg/m^3
1967	Gallium	7440-55-3	30	330	2,000	mg/m^3
1968	Germanium	7440-56-4	3.2	35	170	mg/m^3
1969	Gold	7440-57-5	0.46	5.1	30	mg/m^3
1970	Hafnium	7440-58-6	1.5	17	99	mg/m^3
1971	Helium	7440-59-7	65,000	2.30E+05	4.00E+05	ppm
1972	Holmium	7440-60-0	12	130	790	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1973	Uranium	7440-61-1	0.6	5	30	mg/m^3
1974	Vanadium	7440-62-2	3	5.8	35	mg/m^3
1975	Xenon	7440-63-3	65,000	2.30E+05	4.00E+05	ppm
1976	Yttrium	7440-65-5	3	33	200	mg/m^3
1977	Zinc	7440-66-6	6	21	120	mg/m^3
1978	Zirconium	7440-67-7	10	83	500	mg/m^3
1979	Bismuth	7440-69-9	15	170	990	mg/m^3
1980	Indium	7440-74-6	0.3	3.3	20	mg/m^3
1981	Tellurium oxide; (Tellurium dioxide)	7446-07-3	0.38	4.3	26	mg/m^3
1982	Selenium dioxide	7446-08-4	0.84	1.6	9.5	mg/m^3
1983	**Sulfur dioxide**	**7446-09-5**	**0.20**	**0.75**	**30**	ppm
1984	**Sulfur trioxide**	**7446-11-9**	**0.20**	**8.7**	**160**	mg/m^3
1985	Lead sulfate; (Sulfuric acid, lead(2+) salt (1:1))	7446-14-2	0.22	170	1,000	mg/m^3
1986	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	0.18	2	25	mg/m^3
1987	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	27	170	1,000	mg/m^3
1988	Lead phosphate	7446-27-7	0.2	150	910	mg/m^3
1989	Zirconium sulfate tetrahydrate	7446-31-3	39	320	1,900	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
1990	Selenium monosulfide	7446-34-6	0.84	1.3	7.5	mg/m^3
1991	Aluminum chloride	7446-70-0	30	60	360	mg/m^3
1992	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	6.3	69	420	mg/m^3
1993	Potassium chloride	7447-40-7	7.8	86	510	mg/m^3
1994	Lithium chloride	7447-41-8	1	11	47	mg/m^3
1995	Magnesium sulfate (1:1)	7487-88-9	20	220	1,300	mg/m^3
1996	Mercury(II) chloride; (Mercury bichloride)	7487-94-7	0.1	0.14	38	mg/m^3
1997	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	11	120	720	mg/m^3
1998	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	1.1	4.6	27	mg/m^3
1999	**Butyltrichlorosilane**	**7521-80-4**	**0.60**	**7.3**	**33**	ppm
2000	Mercurous chloride; (Mercury monochloride)	7546-30-7	0.088	0.12	33	mg/m^3
2001	Lithium bromide	7550-35-8	3	15	360	mg/m^3
2002	**Titanium tetrachloride**	**7550-45-0**	**0.65**	**1.0**	**5.7**	ppm
2003	**Iodine**	**7553-56-2**	**0.1**	**0.5**	**5**	ppm
2004	Dichloroacetylene	7572-29-4	0.0091	0.1	3.4	ppm
2005	**Lithium hydride**	**7580-67-8**	**0.025**	**0.1**	**0.5**	mg/m^3
2006	Trisodium phosphate; (Sodium phosphate, tribasic)	7601-54-9	5	66	400	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2007	Sodium perchlorate	7601-89-0	6.3	69	420	mg/m^3
2008	Perchloric acid	7601-90-3	0.61	6.7	40	ppm
2009	**Perchloryl fluoride; (Chlorine oxyfluoride)**	**7616-94-6**	**1.5**	**4**	**12**	ppm
2010	Silica amorphous hydrated	7631-86-9	18	220	1,300	mg/m^3
2011	Sodium arsenate	7631-89-2	4.1	45	270	mg/m^3
2012	Sodium bisulfite	7631-90-5	15	47	400	mg/m^3
2013	Sodium dithionate dihydrate	7631-94-9	30	330	2,000	mg/m^3
2014	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	3.2	17	100	mg/m^3
2015	Dodecylsarcosine sodium salt, N-; (N-Lauryl sarcosine sodium salt)	7631-98-3	0.59	6.5	39	mg/m^3
2016	Sodium nitrate	7631-99-4	4.1	45	270	mg/m^3
2017	Sodium nitrite	7632-00-0	6.4	71	240	mg/m^3
2018	Perboric acid, sodium salt	7632-04-4	8	88	530	mg/m^3
2019	Sodium phosphate	7632-05-5	6.1	68	410	mg/m^3
2020	Ammonium citrate	7632-50-0	1.1	12	72	mg/m^3
2021	Vanadium tetrachloride	7632-51-1	0.017	0.19	130	mg/m^3
2022	Ceric ammonium sulfate	7637-03-8	30	330	2,000	mg/m^3
2023	**Boron trifluoride**	**7637-07-2**	**2.5**	**29**	**88**	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2024	Sodium hydride	7646-69-7	1.2	13	79	mg/m^3
2025	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	13	150	880	mg/m^3
2026	Cobalt chloride	7646-79-9	0.13	18	83	mg/m^3
2027	Zinc chloride	7646-85-7	2	800	4,800	mg/m^3
2028	Potassium bisulfate	7646-93-7	7	77	460	mg/m^3
2029	**Hydrogen chloride; (Hydrochloric acid)**	**7647-01-0**	**1.8**	**22**	**100**	ppm
2030	Palladium chloride (Palladium(II) chloride)	7647-10-1	8.1	89	540	mg/m^3
2031	Sodium bromide	7647-15-6	12	130	830	mg/m^3
2032	Cesium chloride	7647-17-8	21	230	400	mg/m^3
2033	Antimony pentachloride	7647-18-9	3.7	33	200	mg/m^3
2034	Phosphorous pentafluoride	7647-19-0	2	22	130	ppm
2035	**Phosphoric acid**	**7664-38-2**	**3**	**30**	**150**	mg/m^3
2036	**Hydrogen fluoride; (Hydrofluoric acid)**	**7664-39-3**	**1.0**	**24**	**44**	ppm
2037	**Ammonia**	**7664-41-7**	**30**	**160**	**1,100**	ppm
2038	**Sulfuric acid**	**7664-93-9**	**0.20**	**8.7**	**160**	mg/m^3
2039	Potassium iodide	7681-11-0	1.3	15	87	mg/m^3
2040	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	0.82	9	54	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2041	Sodium fluoride	7681-49-4	17	90	1,100	mg/m^3
2042	Sodium hypochlorite	7681-52-9	2	54	630	mg/m^3
2043	Sodium hypophosphite	7681-53-0	5.2	57	340	mg/m^3
2044	Sodium iodate	7681-55-2	0.83	9.1	55	mg/m^3
2045	Sodium metabisulfite	7681-57-4	15	64	390	mg/m^3
2046	Sodium iodide	7681-82-5	13	140	860	mg/m^3
2047	Potassium hydride	7693-26-7	1.2	13	79	mg/m^3
2048	**Nitric acid**	**7697-37-2**	**0.16**	**24**	**92**	ppm
2049	Deuterochloric acid; (Deuterium chloride)	7698-05-7	1.8	22	100	ppm
2050	Silicic acid	7699-41-4	0.9	11	67	mg/m^3
2051	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	20	160	980	mg/m^3
2052	Zinc bromide	7699-45-8	6	66	400	mg/m^3
2053	Sulfur	7704-34-9	30	330	2,000	mg/m^3
2054	Titanium hydride	7704-98-5	1.2	13	79	mg/m^3
2055	Zirconium hydride	7704-99-6	10	85	510	mg/m^3
2056	Titanium chloride	7705-07-9	1.2	13	79	mg/m^3
2057	Ferric chloride	7705-08-0	8.7	30	180	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2058	Nickel chloride; (Nickelous chloride)	7718-54-9	0.66	22	130	mg/m^3
2059	**Thionyl chloride**	**7719-09-7**	**0.2**	**2.4**	**14**	ppm
2060	**Phosphorus trichloride**	**7719-12-2**	**0.34**	**2.0**	**5.6**	ppm
2061	Ferrous sulfate	7720-78-7	8.2	41	250	mg/m^3
2062	Potassium permanganate	7722-64-7	8.6	14	150	mg/m^3
2063	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	17	190	1,100	mg/m^3
2064	**Hydrogen peroxide**	**7722-84-1**	**10**	**50**	**100**	ppm
2065	Tetrasodium pyrophosphate	7722-88-5	15	130	790	mg/m^3
2066	Phosphorus (red)	7723-14-0	0.27	3	18	mg/m^3
2067	**Bromine**	**7726-95-6**	**0.033**	**0.24**	**8.5**	ppm
2068	Vanadium, trichlorooxo-	7727-18-6	0.015	0.17	120	ppm
2069	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	0.3	26	160	mg/m^3
2070	Nitrogen	7727-37-9	7.96E+05	8.32E+05	8.69E+05	ppm
2071	Barium sulfate	7727-43-7	15	170	990	mg/m^3
2072	Ammonium peroxydisulfate	7727-54-0	0.3	22	130	mg/m^3
2073	Zinc sulfate	7733-02-0	15	97	580	mg/m^3
2074	Potassium nitrate	7757-79-1	9	100	600	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2075	Sodium sulfate, anhydrous	7757-82-6	9.8	110	650	mg/m^3
2076	Sodium sulfite	7757-83-7	11	120	710	mg/m^3
2077	Potassium bromate	7758-01-2	0.3	3.1	89	mg/m^3
2078	Potassium bromide	7758-02-3	9.2	100	610	mg/m^3
2079	Potassium iodate	7758-05-6	0.45	4.9	29	mg/m^3
2080	Potassium nitrite	7758-09-0	4.1	45	3,000	mg/m^3
2081	Potassium phosphate, dibasic	7758-11-4	13	140	830	mg/m^3
2082	Sodium pyrophosphate, di-	7758-16-9	4.3	48	290	mg/m^3
2083	Sodium chlorite	7758-19-2	0.19	2.1	13	mg/m^3
2084	Sodium tripolyphosphate	7758-29-4	0.61	6.8	620	mg/m^3
2085	Cerium fluoride	7758-88-5	26	280	1,700	mg/m^3
2086	Copper(I) chloride; (Cuprous chloride)	7758-89-6	4.7	53	320	mg/m^3
2087	Ferrous chloride	7758-94-3	6.8	76	460	mg/m^3
2088	Lead chloride	7758-95-4	0.2	160	940	mg/m^3
2089	Lead chromate	7758-97-6	0.036	16	97	mg/m^3
2090	Copper sulfate; (Copper(II) sulfate)	7758-98-7	7.5	10	59	mg/m^3
2091	Copper(II) sulfate pentahydrate	7758-99-8	12	32	190	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2092	Strontium sulfate	7759-02-6	30	330	2,000	mg/m^3
2093	Magnesium carbonate hydroxide	7760-50-1	30	330	2,000	mg/m^3
2094	Silver nitrate	7761-88-8	0.047	0.9	5.4	mg/m^3
2095	Sodium thiosulfate	7772-98-7	38	410	2,500	mg/m^3
2096	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	9.6	65	640	mg/m^3
2097	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	6.9	11	170	mg/m^3
2098	Ammonium sulfamate	7773-06-0	30	98	5,000	mg/m^3
2099	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	0.17	0.23	63	mg/m^3
2100	Calcium chloride hexahydrate	7774-34-7	24	260	1,600	mg/m^3
2101	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	3.6	40	240	mg/m^3
2102	Sodium chromate(VI); (Disodium chromate)	7775-11-3	0.47	8.2	49	mg/m^3
2103	Sodium hydrosulfite	7775-14-6	30	330	2,000	mg/m^3
2104	Sodium metaborate	7775-19-1	6.8	77	460	mg/m^3
2105	Sodium persulfate	7775-27-1	0.3	8.2	49	mg/m^3
2106	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)	7778-18-9	30	330	2,000	mg/m^3
2107	Arsenic acid; (o-Arsenic acid) Includes CASRN 1327-52-2	7778-39-4	2.9	32	190	mg/m^3
2108	Calcium arsenate	7778-44-1	0.91	10	270	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2109	Potassium dichromate	7778-50-9	0.42	8.8	44	mg/m^3
2110	Potassium phosphate, tribasic	7778-53-2	15	170	980	mg/m^3
2111	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	2.6	28	170	mg/m^3
2112	Potassium perchlorate	7778-74-7	6.3	69	420	mg/m^3
2113	Potassium phosphate, monobasic	7778-77-0	9.6	110	630	mg/m^3
2114	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	20	220	1,300	mg/m^3
2115	Zinc nitrate	7779-88-6	17	190	1,100	mg/m^3
2116	Zinc phosphate (3:2)	7779-90-0	12	36	220	mg/m^3
2117	Deuterium	7782-39-0	65,000	2.30E+05	4.00E+05	ppm
2118	Diamond	7782-40-3	6.3	69	1,100	mg/m^3
2119	**Fluorine**	**7782-41-4**	**1.7**	**5.0**	**13**	ppm
2120	Graphite; (Mineral carbon)	7782-42-5	6	16	95	mg/m^3
2121	Selenium	7782-49-2	0.6	6.6	40	mg/m^3
2122	**Chlorine**	**7782-50-5**	**0.50**	**2.0**	**20**	ppm
2123	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	22	110	640	mg/m^3
2124	Ferrous sulfate heptahydrate	7782-63-0	15	170	990	mg/m^3
2125	**Germane; (Germanium tetrahydride)**	**7782-65-2**	0.015	**0.17**	**0.50**	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2126	Iodic acid	7782-68-5	0.15	1.7	10	mg/m^3
2127	Nitrous acid	7782-77-6	0.41	62	240	mg/m^3
2128	Nitrosylsulfuric acid	7782-78-7	1.2	13	79	mg/m^3
2129	Mercurous nitrate monohydrate	7782-86-7	0.11	0.14	39	mg/m^3
2130	Molybdic acid	7782-91-4	2.5	28	170	mg/m^3
2131	Sulfurous acid	7782-99-2	0.027	0.3	1.8	mg/m^3
2132	Selenious acid	7783-00-8	23	250	1,500	mg/m^3
2133	Tungstic acid	7783-03-1	14	150	920	mg/m^3
2134	**Hydrogen sulfide**	**7783-06-4**	**0.51**	**27**	**50**	ppm
2135	**Hydrogen selenide**	**7783-07-5**	0.045	**0.11**	**0.33**	ppm
2136	Ammonium sulfite monohydrate	7783-11-1	30	330	2,000	mg/m^3
2137	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	1.5	16	97	mg/m^3
2138	Ammonium sulfate	7783-20-2	13	140	840	mg/m^3
2139	Ammonium phosphate dibasic; (Diammonium phosphate)	7783-28-0	30	330	2,000	mg/m^3
2140	Mercury(II) nitrate monohydrate	7783-34-8	0.13	0.17	48	mg/m^3
2141	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	0.11	0.15	41	mg/m^3
2142	Magnesium fluoride	7783-40-6	12	140	820	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2143	**Oxygen difluoride; (Fluorine monoxide)**	**7783-41-7**	0.0075	**0.083**	**0.25**	ppm
2144	Lead fluoride	7783-46-2	0.18	140	830	mg/m^3
2145	Zinc fluoride	7783-49-5	20	230	1,400	mg/m^3
2146	Ferric fluoride	7783-50-8	6.1	22	130	mg/m^3
2147	Gallium trifluoride	7783-51-9	17	180	1,100	mg/m^3
2148	**Nitrogen trifluoride**	**7783-54-2**	**200**	**530**	**860**	ppm
2149	Phosphorous trifluoride	7783-55-3	3.2	35	210	ppm
2150	Antimony trifluoride	7783-56-4	2.2	20	120	mg/m^3
2151	Germanium tetrafluoride	7783-58-6	15	160	980	mg/m^3
2152	Sulfur tetrafluoride	7783-60-0	0.0091	0.1	0.82	ppm
2153	**Silicon tetrafluoride; (Tetrafluorosilane)**	**7783-61-1**	**0.050**	**3.3**	**10**	ppm
2154	Zirconium fluoride	7783-64-4	17	180	1,100	mg/m^3
2155	Antimony pentafluoride	7783-70-2	2.7	23	140	mg/m^3
2156	Tantalum(V) fluoride	7783-71-3	22	250	1,500	mg/m^3
2157	**Selenium hexafluoride**	**7783-79-1**	**0.053**	**0.087**	**0.26**	ppm
2158	**Tellurium hexafluoride**	**7783-80-4**	4.80E-04	**0.0053**	**0.016**	ppm
2159	**Uranium hexafluoride; (Uranium fluoride)**	**7783-81-5**	**3.6**	**9.6**	**36**	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2160	Tungsten hexafluoride	7783-82-6	4.9	54	320	mg/m^3
2161	Ferric ammonium sulfate dodecahydrate	7783-83-7	26	280	1,700	mg/m^3
2162	Ammonium ferrous sulfate hexahydrate	7783-85-9	9.6	110	640	mg/m^3
2163	Silver chloride	7783-90-6	22	240	1,400	mg/m^3
2164	Silver nitrite; (Silver(I) nitrite)	7783-99-5	0.043	0.46	2.8	mg/m^3
2165	Aluminum chloride hexahydrate	7784-13-6	54	110	650	mg/m^3
2166	Aluminum fluoride	7784-18-1	19	59	360	mg/m^3
2167	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	13	140	860	mg/m^3
2168	Aluminum potassium sulfate, dodecahydrate	7784-24-9	110	1,200	6,900	mg/m^3
2169	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	83	920	5,500	mg/m^3
2170	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7	14	200	1,200	mg/m^3
2171	Arsenous trichloride	7784-34-1	0.91	10	240	mg/m^3
2172	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	7	77	460	mg/m^3
2173	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	3.6	40	240	mg/m^3
2174	**Arsine**	**7784-42-1**	0.015	**0.17**	**0.50**	ppm
2175	Sodium arsenite	7784-46-5	0.91	10	170	mg/m^3
2176	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	22	240	1,400	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2177	Manganous sulfate	7785-87-7	8.2	14	430	mg/m^3
2178	Magnesium chloride	7786-30-3	11	120	550	mg/m^3
2179	Mevinphos; (Phosdrin)	7786-34-7	0.3	4	40	mg/m^3
2180	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	0.79	8.6	51	mg/m^3
2181	Barium fluoride	7787-32-8	1.9	230	1,400	mg/m^3
2182	Barium permanganate	7787-36-2	20	34	200	mg/m^3
2183	Beryllium chloride	7787-47-5	0.02	0.22	0.89	mg/m^3
2184	Beryllium fluoride	7787-49-7	0.012	0.13	0.52	mg/m^3
2185	Bismuth oxychloride; (Bismuth chloride oxide)	7787-59-9	66	730	4,400	mg/m^3
2186	Bismuth iodide	7787-64-6	1.2	13	79	mg/m^3
2187	**Bromine trifluoride**	**7787-71-5**	**0.12**	**2.0**	**21**	ppm
2188	Chromium(III) fluoride	7788-97-8	3.1	33	200	mg/m^3
2189	Ammonium chromate	7788-98-9	0.44	7.7	46	mg/m^3
2190	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	14	160	950	mg/m^3
2191	Potassium chromate(VI)	7789-00-6	0.56	9.7	58	mg/m^3
2192	Ammonium dichromate	7789-09-5	0.37	6.3	38	mg/m^3
2193	Sodium dichromate dihydrate	7789-12-0	0.43	7.5	45	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2194	Cesium iodide	7789-17-5	7.2	79	470	mg/m^3
2195	Cesium nitrate	7789-18-6	7.2	79	470	mg/m^3
2196	**Fluorosulfonic acid; (Fluorosulfuric acid)**	**7789-21-1**	**2**	**10**	**30**	mg/m^3
2197	Potassium fluoride	7789-23-3	23	250	1,500	mg/m^3
2198	Lithium fluoride	7789-24-4	10	110	680	mg/m^3
2199	Potassium acid fluoride	7789-29-9	15	170	1,000	mg/m^3
2200	**Bromine pentafluoride**	**7789-30-2**	0.015	**0.17**	**33**	ppm
2201	Sodium bromate	7789-38-0	0.46	5.1	30	mg/m^3
2202	Rubidium bromide	7789-39-1	30	330	2,000	mg/m^3
2203	Cadmium bromide	7789-42-6	0.24	1.8	11	mg/m^3
2204	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7	0.22	13	80	mg/m^3
2205	Calcium fluoride	7789-75-5	15	170	1,000	mg/m^3
2206	Calcium monohydrogen phosphate dihydrate	7789-77-7	12	130	790	mg/m^3
2207	Calcium hydride	7789-78-8	12	130	790	mg/m^3
2208	Potassium periodate	7790-21-8	1.2	13	79	mg/m^3
2209	Periodic acid, sodium salt	7790-28-5	0.19	2.1	13	mg/m^3
2210	Magnesium iodate tetrahydrate	7790-32-1	30	330	2,000	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2211	Potassium tellurite	7790-58-1	0.6	6.6	40	mg/m^3
2212	Potassium selenate	7790-59-2	1.7	18	110	mg/m^3
2213	Potassium tungstate	7790-60-5	5.3	58	350	mg/m^3
2214	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	30	330	2,000	mg/m^3
2215	Lithium nitrate	7790-69-4	0.25	2.7	16	mg/m^3
2216	Cadmium chloride hemipentahydrate; (Cadmium chloride, 5/2-hydrate)	7790-78-5	0.1	0.77	9.5	mg/m^3
2217	Cadmium fluoride	7790-79-6	0.13	1	6.3	mg/m^3
2218	Cadmium nitrite	7790-83-2	0.18	1.4	8.6	mg/m^3
2219	Cadmium sulfate, hydrate	7790-84-3	0.1	0.76	11	mg/m^3
2220	Cadmium tungstate	7790-85-4	0.32	2.4	15	mg/m^3
2221	Cerium chloride	7790-86-5	6.3	70	420	mg/m^3
2222	**Chlorine trifluoride**	**7790-91-2**	**0.12**	**2.0**	**21**	ppm
2223	**Chlorosulfonic acid; (Chlorosulfuric acid)**	**7790-94-5**	**0.10**	**4.4**	**25**	mg/m^3
2224	Ammonium perchlorate	7790-98-9	4.6	50	830	mg/m^3
2225	Lithium perchlorate, anhydrous	7791-03-9	1.2	13	79	mg/m^3
2226	Sodium perchlorate monohydrate	7791-07-3	3.8	41	250	mg/m^3
2227	Rubidium chloride	7791-11-9	13	150	880	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2228	Thallium chloride; (Thallium(I) chloride)	7791-12-0	0.18	2	23	mg/m^3
2229	Cobalt(II) chloride hexahydrate	7791-13-1	0.24	25	150	mg/m^3
2230	Magnesium chloride hexahydrate	7791-18-6	34	370	1,600	mg/m^3
2231	Nickel(II) chloride hexahydrate	7791-20-0	1.2	5.2	31	mg/m^3
2232	Selenium oxychloride	7791-23-3	1.3	10	60	mg/m^3
2233	**Sulfuryl chloride**	**7791-25-5**	**0.3**	**3.7**	**11**	ppm
2234	Ethylene glycol mono-sec-butyl ether	7795-91-7	2.4	26	160	mg/m^3
2235	Hydroxylamine	7803-49-8	0.35	3.9	23	mg/m^3
2236	**Phosphine**	**7803-51-2**	1	**2.0**	**3.6**	ppm
2237	**Stibine; (Antimony hydride)**	**7803-52-3**	0.3	**1.5**	**9.6**	ppm
2238	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	0.01	0.11	80	mg/m^3
2239	Hydrazine hydrate; (Hydrazine monohydrate; aqueous solutions - 10217-52-4)	7803-57-8	0.16	20	55	mg/m^3
2240	**Silane; (Silicon tetrahydride)**	**7803-62-5**	**100**	**130**	**270**	ppm
2241	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	0.012	0.13	0.78	mg/m^3
2242	Toxaphene; (Chlorinated camphene)	8001-35-2	1	20	200	mg/m^3
2243	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5	0.91	10	60	mg/m^3
2244	Creosote (coal tar)	8001-58-9	0.6	120	700	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2245	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	mg/m^3
2246	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0	30	330	2,000	mg/m^3
2247	Paraffin, n-	8002-74-2	6	66	400	mg/m^3
2248	Chloropicrin/Methyl bromide mixture	8004-09-9	0.05	0.15	1.4	mg/m^3
2249	Soda lime	8006-28-8	1	240	1,500	mg/m^3
2250	Turpentine, (Alpha and beta pinene, 80-56-8)	8006-64-2	60	120	1,500	ppm
2251	Coal tar, aerosol	8007-45-2	2.8	31	190	mg/m^3
2252	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	1.8	22	100	ppm
2253	Petrolatum	8009-03-8	160	1,800	11,000	mg/m^3
2254	**Oleum; (fuming Sulfuric acid)**	**8014-95-7**	**0.20**	**8.7**	**160**	mg/m^3
2255	Polyphosphoric acid	8017-16-1	3	30	150	mg/m^3
2256	Mancozeb; (Dithane M-45)	8018-01-7	3	56	990	mg/m^3
2257	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	mg/m^3
2258	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	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2259	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	72	790	1,500	mg/m^3
2260	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	300	1,800	29,500	mg/m^3
2261	Petroleum asphalt; (Bitumen)	8052-42-4	30	330	2,000	mg/m^3
2262	Ammonium lignin sulfonate	8061-53-8	30	330	2,000	mg/m^3
2263	Lignosulfonate (aqueous)	8062-15-5	30	330	2,000	mg/m^3
2264	Demeton	8065-48-3	0.18	2	20	mg/m^3
2265	Cyclotol; (RDX-TNT mixture)	8065-53-0	3	33	200	mg/m^3
2266	Trypsin; (Parenzyme; Chymotrypsin inhibitor)	9002-07-7	2.4	26	160	mg/m^3
2267	Chlorotrifluoroethene, homopolymer	9002-83-9	1.5	16	200	mg/m^3
2268	Polytetrafluoroethylene; (Teflon)	9002-84-0	12	130	790	mg/m^3
2269	Polyvinyl chloride	9002-86-2	3	33	200	mg/m^3
2270	Polyethylene	9002-88-4	28	310	1,000	mg/m^3
2271	Polyvinyl alcohol	9002-89-5	24	270	1,600	mg/m^3
2272	Brij-35; (alpha-Dodecyl-omega-hydroxypoly(oxyethylene))	9002-92-0	2.9	31	200	mg/m^3
2273	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	11	130	750	mg/m^3
2274	Aziridine homopolymer; (Ethylenimine homopolymer; Poly(ethyleneimine))	9002-98-6	4.1	45	270	mg/m^3
2275	Ammonium polyacrylate	9003-03-6	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2276	Polypropylene	9003-07-0	5.2	58	350	mg/m^3
2277	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6	6.9	76	460	mg/m^3
2278	Butoxypolypropylene glycol	9003-13-8	27	300	1,800	mg/m^3
2279	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	120	1,300	7,900	mg/m^3
2280	Poly(1-vinyl-2-pyrrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8	51	560	20,000	mg/m^3
2281	Polybutyl acrylate	9003-49-0	30	330	2,000	mg/m^3
2282	Polystyrene resin; (Styrene polymer)	9003-53-6	0.59	6.4	790	mg/m^3
2283	Poly(divinylbenzene); (Diethenylbenzene homopolymer)	9003-69-4	12	130	790	mg/m^3
2284	Poly(ethylene glycol methyl ether)	9004-74-4	66	730	4,400	mg/m^3
2285	Poly(oxyethylene)(2) stearyl ether	9005-00-9	5.7	63	380	mg/m^3
2286	Polysorbate 85; (Tween 85)	9005-70-3	120	1,300	7,900	mg/m^3
2287	Thyodene; (Amylodextrin)	9005-84-9	30	330	2,000	mg/m^3
2288	Polyurethane foam; (Urethane polymers)	9009-54-5	12	130	790	mg/m^3
2289	Ricin	9009-86-3	8.20E-06	9.00E-05	5.40E-04	mg/m^3
2290	Polymethylmethacrylate; (Lucite)	9011-14-7	30	330	2,000	mg/m^3
2291	Hexafluoropropylene-vinylidene fluoride polymer; (Viton)	9011-17-0	30	330	2,000	mg/m^3
2292	Cholera toxin; (Enterotoxin, vibrio cholera)	9012-63-9	7.70E-05	8.50E-04	0.0051	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2293	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	6.8	75	450	mg/m^3
2294	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	1	11	260	mg/m^3
2295	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	0.15	3.6	22	mg/m^3
2296	Polyoxyethylene monooctylphenyl ether	9036-19-5	13	140	830	mg/m^3
2297	Sephadex G-25	9041-35-4	30	330	2,000	mg/m^3
2298	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0	0.73	8	48	mg/m^3
2299	Polypropylene glycol, (chloromethyl) oxirane polymer	9072-62-2	30	330	2,000	mg/m^3
2300	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	mg/m^3
2301	Dipotassium metasilicate	10006-28-7	3.9	43	260	mg/m^3
2302	Barium nitrate	10022-31-8	2.9	350	2,100	mg/m^3
2303	Cadmium nitrate tetrahydrate	10022-68-1	0.27	2.1	13	mg/m^3
2304	Sodium hypochlorite pentahydrate	10022-70-5	13	140	290	mg/m^3
2305	Neodymium(III) chloride	10024-93-8	0.9	9.9	59	mg/m^3
2306	Nitrous oxide	10024-97-2	910	10,000	20,000	ppm
2307	Perchloric acid, zinc salt, hexahydrate	10025-64-6	0.33	3.6	22	mg/m^3
2308	**Sulfur monochloride**	**10025-67-9**	**0.53**	**6.4**	**15**	ppm
2309	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	11	20	760	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2310	Chromic chloride; (Chromium(III) chloride)	10025-73-7	4.6	15	87	mg/m^3
2311	Ferric chloride hexahydrate	10025-77-1	15	39	240	mg/m^3
2312	**Trichlorosilane**	**10025-78-2**	**0.60**	**7.3**	**33**	ppm
2313	Indium trichloride	10025-82-8	0.58	6.3	38	mg/m^3
2314	Trichloramine; (Nitrogen chloride)	10025-85-1	0.062	0.68	3.9	ppm
2315	**Phosphorus oxychloride**	**10025-87-3**	0.3	0.48	**0.85**	ppm
2316	Antimony trichloride; (Antimony(III) chloride)	10025-91-9	2.8	25	150	mg/m^3
2317	Yttrium chloride, hexahydrate	10025-94-2	10	110	670	mg/m^3
2318	**Tetrachlorosilane; (Silicon chloride)**	**10026-04-7**	**0.45**	**5.5**	**25**	ppm
2319	Tellurium chloride	10026-07-0	0.63	6.9	42	mg/m^3
2320	Zirconium tetrachloride; (zirconium chloride)	10026-11-6	26	220	1,300	mg/m^3
2321	Niobium chloride	10026-12-7	4.2	46	280	mg/m^3
2322	Phosphorus pentachloride	10026-13-8	2.6	20	200	mg/m^3
2323	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	0.3	23	140	mg/m^3
2324	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	0.29	19	120	mg/m^3
2325	Ozone	10028-15-6	0.24	1	10	ppm
2326	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	11	120	710	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2327	Lead(II) arsenite	10031-13-7	4.2	47	280	mg/m^3
2328	Lead bromide	10031-22-8	0.27	200	1,200	mg/m^3
2329	Erbium nitrate pentahydrate	10031-51-3	30	330	2,000	mg/m^3
2330	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	0.18	2	21	mg/m^3
2331	Anhydrone; (Magnesium perchlorate)	10034-81-8	4.9	54	320	mg/m^3
2332	Sodium chromate tetrahydrate	10034-82-9	0.87	15	91	mg/m^3
2333	**Hydriodic acid; (Hydrogen iodide)**	**10034-85-2**	**1.0**	**25**	**120**	ppm
2334	Sodium bisulfate monohydrate	10034-88-5	0.63	7	42	mg/m^3
2335	Hydrazine sulfate	10034-93-2	1.4	15	120	mg/m^3
2336	Manganese(II) sulfate monohydrate	10034-96-5	9.2	15	90	mg/m^3
2337	Magnesium sulfate heptahydrate	10034-99-8	10	110	660	mg/m^3
2338	Calcium chloride dihydrate	10035-04-8	16	170	1,100	mg/m^3
2339	Bismuth(III) nitrate, pentahydrate	10035-06-0	12	130	800	mg/m^3
2340	**Hydrobromic acid; (Hydrogen bromide)**	**10035-10-6**	**1.0**	**40**	**120**	ppm
2341	Tetrafluorohydrazine	10036-47-2	2.4	110	680	ppm
2342	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	1.4	16	93	mg/m^3
2343	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	2.8	31	190	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2344	Strontium nitrate	10042-76-9	5.7	62	370	mg/m^3
2345	Aluminum sulfate	10043-01-3	38	64	380	mg/m^3
2346	Boric acid	10043-35-3	6	23	830	mg/m^3
2347	Calcium chloride	10043-52-4	12	130	790	mg/m^3
2348	Ferric phosphate	10045-86-0	8.1	89	530	mg/m^3
2349	Ferrous ammonium sulfate	10045-89-3	15	170	1,000	mg/m^3
2350	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	0.12	0.16	45	mg/m^3
2351	Neodymium nitrate	10045-95-1	6.2	68	410	mg/m^3
2352	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	2.5	320	1,900	mg/m^3
2353	**Chlorine dioxide**	**10049-04-4**	**0.15**	**1.1**	**2.4**	ppm
2354	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	3.5	62	370	mg/m^3
2355	Ruthenium trichloride	10049-08-8	2.2	24	140	mg/m^3
2356	Rhenium hexafluoride	10049-17-9	20	220	1,300	mg/m^3
2357	Sodium phosphate monobasic monohydrate	10049-21-5	30	330	2,000	mg/m^3
2358	Tellurous acid	10049-23-7	0.42	4.6	28	mg/m^3
2359	Potassium peroxymonosulfate; (Peroxymonosulfuric acid, monopotassium salt)	10058-23-8	30	330	2,000	mg/m^3
2360	Chromium(III) chloride, hexahydrate	10060-12-5	7.7	43	260	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2361	Silicon(II) oxide; (Silicon oxide)	10097-28-6	30	330	2,000	mg/m^3
2362	Lanthanum chloride	10099-58-8	7.1	78	470	mg/m^3
2363	Lanthanum nitrate	10099-59-9	14	150	890	mg/m^3
2364	Lead nitrate	10099-74-8	0.24	180	1,100	mg/m^3
2365	Calcium metasilicate	10101-39-0	30	330	2,000	mg/m^3
2366	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	30	330	2,000	mg/m^3
2367	Sodium permanganate	10101-50-5	7.8	13	78	mg/m^3
2368	Zirconium silicate; (Zirconium silicon oxide; Zircon)	10101-52-7	21	170	1,000	mg/m^3
2369	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	5.7	63	380	mg/m^3
2370	Lead iodide	10101-63-0	0.33	270	1,600	mg/m^3
2371	Sodium tellurate	10101-83-4	0.56	3.7	22	mg/m^3
2372	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	1.3	8.7	52	mg/m^3
2373	Zinc nitrite	10102-02-0	14	160	950	mg/m^3
2374	Palladium nitrate	10102-05-3	30	330	2,000	mg/m^3
2375	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	0.99	5.5	33	mg/m^3
2376	Sodium thiosulfate pentahydrate	10102-17-7	2.4	26	1,200	mg/m^3
2377	Sodium selenite	10102-18-8	1.3	2.3	3.1	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2378	Sodium tellurite	10102-20-2	1.8	20	120	mg/m^3
2379	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	3.8	34	210	mg/m^3
2380	Nitric oxide	10102-43-9	0.5	12	20	ppm
2381	**Nitrogen dioxide**	**10102-44-0**	**0.50**	**12**	**20**	ppm
2382	Thallous nitrate; (Thallium nitrate; Thallium(I) nitrate)	10102-45-1	0.078	4.3	26	mg/m^3
2383	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	120	1,300	7,900	mg/m^3
2384	Chromium nitrate	10103-47-6	3.3	36	220	mg/m^3
2385	Cadmium chloride	10108-64-2	0.16	1.2	7.6	mg/m^3
2386	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	9.5	100	620	mg/m^3
2387	Mercury(I) chloride; (Dimercury dichloride)	10112-91-1	0.088	0.12	33	mg/m^3
2388	Potassium sulfite	10117-38-1	120	1,300	7,900	mg/m^3
2389	Cadmium sulfate	10124-36-4	0.19	1.4	8.7	mg/m^3
2390	Calcium(II) nitrate	10124-37-5	0.91	10	60	mg/m^3
2391	Cobalt sulfate	10124-43-3	0.16	14	84	mg/m^3
2392	Potassium metaarsenite; (Potassium arsenite)	10124-50-2	1.3	14	530	mg/m^3
2393	Manganese phosphate	10124-54-6	6.5	11	66	mg/m^3
2394	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	8	89	530	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2395	Sodium uranium oxide monohydrate; (Sodium uranate(VI) monohydrate)	10135-92-9	0.82	6.8	41	mg/m^3
2396	Europium nitrate; (Europium trinitrate)	10138-01-9	11	130	760	mg/m^3
2397	Ferric ammonium sulfate; (Sulfuric acid, ammonium iron(3e+) salt (2:1:1))	10138-04-2	14	160	950	mg/m^3
2398	Dichloroethanol acetate, 1,2-	10140-87-1	0.15	1.7	10	ppm
2399	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	0.19	14	86	mg/m^3
2400	Dysprosium nitrate	10143-38-1	7.2	79	470	mg/m^3
2401	Dimethoxybutane, 1,3-	10143-66-5	5.2	57	340	ppm
2402	Erbium(III) nitrate	10168-80-6	1.1	12	70	mg/m^3
2403	Gadolinium nitrate, solid	10168-81-7	11	130	750	mg/m^3
2404	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	30	330	2,000	mg/m^3
2405	Ammonium sulfite	10196-04-0	30	330	2,000	mg/m^3
2406	Zinc nitrate hexahydrate	10196-18-6	27	300	1,800	mg/m^3
2407	Cobalt carbonyl	10210-68-1	0.3	3.3	20	mg/m^3
2408	Sodium tungstate dihydrate	10213-10-2	5.4	59	360	mg/m^3
2409	Sodium metasilicate pentahydrate	10213-79-3	6.6	73	440	mg/m^3
2410	Propylene glycol mono-n-butyl ether; (3-Butoxy-1-propanol)	10215-33-5	4.3	47	220	ppm
2411	Molybdenum pentachloride	10241-05-1	4.3	410	2,400	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2412	Methamidophos	10265-92-6	0.11	1.2	7.1	mg/m^3
2413	Lanthanum(III) nitrate hexahydrate	10277-43-7	1.3	15	89	mg/m^3
2414	**Boron tribromide**	**10294-33-4**	**0.33**	**13**	**40**	ppm
2415	Boron trichloride	10294-34-5	0.19	2.1	71	ppm
2416	Barium chromate	10294-40-3	0.15	13	77	mg/m^3
2417	Cerium nitrate hexahydrate	10294-41-4	13	140	830	mg/m^3
2418	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	3	30	150	mg/m^3
2419	Dialifor	10311-84-9	0.45	5	39	mg/m^3
2420	Cadmium nitrate	10325-94-7	0.21	1.6	9.9	mg/m^3
2421	Barium chloride dihydrate	10326-27-9	2.7	330	2,000	mg/m^3
2422	Aluminum yellow 4A; (Acid yellow 99)	10343-58-5	30	330	2,000	mg/m^3
2423	Sodium metaphosphate	10361-03-2	2.7	30	180	mg/m^3
2424	Barium chloride	10361-37-2	2.3	280	1,700	mg/m^3
2425	Bismuth hydroxide	10361-43-0	19	210	1,200	mg/m^3
2426	Bismuth nitrate	10361-44-1	12	130	790	mg/m^3
2427	Praseodymium nitrate	10361-80-5	5.6	61	370	mg/m^3
2428	Samarium chloride	10361-82-7	1.2	13	79	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2429	Samarium nitrate	10361-83-8	6.5	71	430	mg/m^3
2430	Lithium sulfate	10377-48-7	0.29	3.2	130	mg/m^3
2431	Lithium iodide	10377-51-2	30	330	2,000	mg/m^3
2432	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	30	330	2,000	mg/m^3
2433	Manganese(II) nitrate	10377-66-9	9.8	16	96	mg/m^3
2434	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	82	900	5,500	mg/m^3
2435	Ceric ammonium sulfate, dihydrate	10378-47-9	30	330	2,000	mg/m^3
2436	Nickel(II) phosphate	10381-36-9	1.2	14	83	mg/m^3
2437	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	0.098	0.13	37	mg/m^3
2438	Ferric nitrate	10421-48-4	13	140	850	mg/m^3
2439	Tetramethylammonium hydroxide pentahydrate	10424-65-4	0.019	0.2	1.2	mg/m^3
2440	Potassium selenite	10431-47-7	1.6	17	100	mg/m^3
2441	Ethyl-2-oxazoline, 2-	10431-98-8	30	330	2,000	ppm
2442	Periodic acid	10450-60-9	0.18	2.1	12	mg/m^3
2443	Strontium chloride	10476-85-4	8	88	360	mg/m^3
2444	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	0.18	2	12	mg/m^3
2445	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	59	650	1,000	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2446	Cresyl violet acetate	10510-54-0	30	330	2,000	mg/m^3
2447	**Nitrogen tetroxide**	**10544-72-6**	**0.25**	**6.2**	**10**	ppm
2448	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	1.7	19	120	ppm
2449	Sodium dichromate; (Disodium dichromate)	10588-01-9	0.38	6.5	39	mg/m^3
2450	Monochloroamine; (Chloramide)	10599-90-3	0.026	0.29	1.7	ppm
2451	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	28	310	1,800	mg/m^3
2452	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	0.41	4.5	260	mg/m^3
2453	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	1.5	68	200	mg/m^3
2454	Molybdic acid, ammonium salt; (Ammonium molibdate)	11098-84-3	3.5	290	1,700	mg/m^3
2455	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	30	330	2,000	mg/m^3
2456	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	33	360	2,200	mg/m^3
2457	Staphylococcal enterotoxin (SEB); including 37337-57-8 (SEA)	11100-45-1	1.90E-04	0.0021	0.013	mg/m^3
2458	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	12	130	790	mg/m^3
2459	Phosphomolybdic acid	11104-88-4	2.5	27	160	mg/m^3
2460	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	3	27	160	mg/m^3
2461	Ammonium tungstate(VI)	11120-25-5	4.1	45	270	mg/m^3
2462	Tungstosilicic acid	11130-20-4	13	140	860	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2463	Yttrium oxide	11130-29-3	3.5	40	240	mg/m^3
2464	Sodium-Potassium	11135-81-2	0.5	5	50	mg/m^3
2465	Sodium aluminate anhydrous; (Aluminum sodium dioxide anhydrous)	11138-49-1	18	200	1,200	mg/m^3
2466	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	13	150	890	mg/m^3
2467	Mica; (mica silicates)	12001-26-2	9	99	590	mg/m^3
2468	Crocidolite	12001-28-4	0.05	1.9	160	mg/m^3
2469	Paris Green; (Cupric acetoarsenite)	12002-03-8	3.4	22	130	mg/m^3
2470	Mercurol; (Mercury nucleate)	12002-19-6	1.2	13	79	mg/m^3
2471	Potassium aluminate	12003-63-3	22	240	1,400	mg/m^3
2472	Lithium aluminate	12003-67-7	37	400	2,400	mg/m^3
2473	Nickel aluminide	12003-78-0	0.81	8.9	53	mg/m^3
2474	Tungsten boride	12007-09-9	11	120	730	mg/m^3
2475	Lithium tetraborate	12007-60-2	4.3	47	280	mg/m^3
2476	Ammonium pentaborate	12007-89-5	30	330	2,000	mg/m^3
2477	Lanthanum boride	12008-21-8	30	330	2,000	mg/m^3
2478	Iron carbide	12011-67-5	16	180	1,100	mg/m^3
2479	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	16	170	1,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2480	Molybdenum carbide	12011-97-1	34	360	2,200	mg/m^3
2481	Cerium(IV) hydroxide	12014-56-1	30	330	2,000	mg/m^3
2482	Gallium oxide	12024-21-4	16	180	1,100	mg/m^3
2483	Thallium hydroxide	12026-06-1	0.065	3.7	22	mg/m^3
2484	Tin hydroxide	12026-24-3	7.7	85	510	mg/m^3
2485	Molybdophosphoric acid	12026-57-2	2.4	26	160	mg/m^3
2486	Ammonium molybdophosphate	12026-66-3	2.4	27	160	mg/m^3
2487	Ammonium iodide	12027-06-4	5.3	58	350	mg/m^3
2488	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	2.6	230	1,400	mg/m^3
2489	Indium oxide (vapor); (Diindium monoxide)	12030-22-7	0.33	3.6	22	mg/m^3
2490	Potassium columbate; (Potassium niobate)	12030-85-2	9	99	590	mg/m^3
2491	Potassium zirconate; (Potassium zirconium oxide; Dipotassium zirconate)	12030-98-7	24	200	1,200	mg/m^3
2492	Lithium niobium oxide; (Lithium niobate)	12031-63-9	32	350	2,100	mg/m^3
2493	Lutetium oxide	12032-20-1	30	330	2,000	mg/m^3
2494	Silicon nitride	12033-89-5	30	330	2,000	mg/m^3
2495	Sodium titanate	12034-34-3	30	330	2,000	mg/m^3
2496	Ruthenium(IV) oxide	12036-10-1	14	150	910	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2497	Technetium(IV) oxide	12036-16-7	30	330	2,000	mg/m^3
2498	Tungsten(IV) oxide	12036-22-5	12	130	790	mg/m^3
2499	Praseodymium oxide	12036-32-7	12	130	790	mg/m^3
2500	Rhodium(III) oxide (solids)	12036-35-0	3.7	40	240	mg/m^3
2501	Terbium oxide	12036-41-8	30	330	2,000	mg/m^3
2502	Thulium oxide	12036-44-1	30	330	2,000	mg/m^3
2503	Terbium(III,IV) oxide	12037-01-3	30	330	2,000	mg/m^3
2504	Praseodymium (III, IV) oxide	12037-29-5	15	170	990	mg/m^3
2505	Zirconium phosphide	12037-72-8	17	140	840	mg/m^3
2506	Uranium telluride (U3Te4)	12040-21-0	1	8.5	51	mg/m^3
2507	Titanium boride	12045-63-5	30	330	2,000	mg/m^3
2508	Zirconium boride	12045-64-6	12	100	620	mg/m^3
2509	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	0.95	8.8	53	mg/m^3
2510	Ammonium molybdate(VI) tetrahydrate	12054-85-2	2.8	30	180	mg/m^3
2511	Hafnium oxide	12055-23-1	1.8	19	120	mg/m^3
2512	Holmium trioxide	12055-62-8	30	330	2,000	mg/m^3
2513	Lithium oxide	12057-24-8	0.091	1	6	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2514	**Magnesium phosphide**	**12057-74-8**	0.091	**1.0**	**1.8**	ppm
2515	Manganese(VII) oxide	12057-92-0	6.1	10	60	mg/m^3
2516	Sodium stannate	12058-66-1	11	120	720	mg/m^3
2517	**Sodium phosphide**	**12058-85-4**	0.18	**2.0**	**3.6**	ppm
2518	Scandium oxide	12060-08-1	30	330	2,000	mg/m^3
2519	Samarium(III) oxide	12060-58-1	15	170	990	mg/m^3
2520	Erbium(III) oxide	12061-16-4	15	170	990	mg/m^3
2521	Gadolinium(III) oxide	12064-62-9	15	170	990	mg/m^3
2522	Ferrous disulfide; (Iron disulfide)	12068-85-8	30	330	2,000	mg/m^3
2523	Boron carbide	12069-32-8	2.4	27	170	mg/m^3
2524	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	5.2	45	270	mg/m^3
2525	Niobium(IV) carbide	12069-94-2	30	330	2,000	mg/m^3
2526	Tantalum carbide	12070-06-3	11	120	730	mg/m^3
2527	Titanium carbide	12070-08-5	30	330	2,000	mg/m^3
2528	Tungsten carbide	12070-12-1	11	120	730	mg/m^3
2529	Zirconium carbide	12070-14-3	13	110	630	mg/m^3
2530	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	0.3	0.6	6.9	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2531	Ammonium bromide	12124-97-9	8.1	89	530	mg/m^3
2532	Ammonium fluoride	12125-01-8	15	160	980	mg/m^3
2533	Ammonium chloride	12125-02-9	20	110	330	mg/m^3
2534	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	1.1	12	73	mg/m^3
2535	Mercury hydroxide	12135-13-6	0.088	0.12	33	mg/m^3
2536	Palladium hydroxide	12135-22-7	120	1,300	7,900	mg/m^3
2537	Diammonium sulfide; (Ammonium sulfide)	12135-76-1	1	54	100	ppm
2538	Potassium oxide	12136-45-7	0.18	2	54	mg/m^3
2539	Molybdenum disilicide	12136-78-6	48	530	3,200	mg/m^3
2540	Titanium(II) oxide	12137-20-1	30	330	2,000	mg/m^3
2541	Rhodium oxide; (Rhodium(IV) oxide)	12137-27-8	0.039	0.43	2.6	mg/m^3
2542	Uranium telluride	12138-37-3	1.2	10	62	mg/m^3
2543	Sodium polytungstate	12141-67-2	14	150	920	mg/m^3
2544	Potassium stannate	12142-33-5	12	140	810	mg/m^3
2545	Calcium hydroxide phosphate; (Calcium phosphate tribasic)	12167-74-7	120	1,300	7,900	mg/m^3
2546	Dysprosium nickelide	12175-27-8	30	330	2,000	mg/m^3
2547	Phosphorus (yellow); (White phosphorus)	12185-10-3	0.3	0.91	5.5	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2548	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	22	180	1,100	mg/m^3
2549	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	3.2	28	170	mg/m^3
2550	Aluminum grey LB; (Acid black 60)	12218-95-0	30	330	2,000	mg/m^3
2551	Barium hydroxide octahydrate	12230-71-6	3.4	420	2,500	mg/m^3
2552	Sodium bismuthate	12232-99-4	1.3	14	83	mg/m^3
2553	Bismuth germanate	12233-73-7	21	240	1,400	mg/m^3
2554	Sodium Tetrahydroxoaluminate	12251-53-5	26	290	1,700	mg/m^3
2555	Sodium monoxide; (Sodium oxide)	12401-86-4	0.5	5	50	mg/m^3
2556	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	0.023	0.25	170	mg/m^3
2557	**Strontium phosphide**	**12504-13-1**	0.091	**1.0**	**1.8**	ppm
2558	Potassium bismuthate	12589-75-2	3.3	36	220	mg/m^3
2559	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	1	12	69	mg/m^3
2560	Chromium(VI) hydroxide	12626-43-6	0.089	7.7	46	mg/m^3
2561	Molybdate orange	12656-85-8	5.4	59	350	mg/m^3
2562	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	6.6	72	2,200	mg/m^3
2563	Silver hydroxide	12673-77-7	0.035	0.4	2.4	mg/m^3
2564	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	5.6	62	460	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2565	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	0.13	11	66	mg/m^3
2566	Nitromethane-d3; (Trideuteronitromethane)	13031-32-8	60	210	1,000	ppm
2567	Hexanediol diacrylate, 1,6-	13048-33-4	3	170	990	mg/m^3
2568	Terbufos	13071-79-9	0.091	1	2.2	mg/m^3
2569	Cerium(IV) nitrate	13093-17-9	30	330	2,000	mg/m^3
2570	Ammonium molybdate; (Diammonium molybdate)	13106-76-8	3.1	22	130	mg/m^3
2571	Rubidium nitrate	13126-12-0	14	150	920	mg/m^3
2572	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	0.93	10	61	mg/m^3
2573	Vinylformamide, N-	13162-05-5	1.2	13	79	mg/m^3
2574	Phosphamidon; (Famfos)	13171-21-6	0.027	0.3	21	mg/m^3
2575	Ethyl S,S-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	0.14	1.6	9.3	mg/m^3
2576	Mercuric trifluoroacetate	13257-51-7	0.064	0.085	4.3	mg/m^3
2577	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	30	330	2,000	mg/m^3
2578	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	30	330	2,000	mg/m^3
2579	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	0.03	0.33	2	ppm
2580	Boron trifluoride dihydrate	13319-75-0	3.8	44	140	mg/m^3
2581	Beryllium hydroxide	13327-32-7	0.011	0.12	0.48	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2582	Cesium fluoride	13400-13-0	60	670	4,000	mg/m^3
2583	Sodium selenate; (Disodium selenate)	13410-01-0	1.4	1.6	2	mg/m^3
2584	Ammonium permanganate	13446-10-1	7.5	12	72	mg/m^3
2585	Magnesium(II) nitrate (1:2), hexahydrate	13446-18-9	16	180	1,100	mg/m^3
2586	Manganese(II) chloride tetrahydrate	13446-34-9	11	18	290	mg/m^3
2587	Potassium molybdate; (Molybdic acid, dipotassium salt)	13446-49-6	3.7	40	240	mg/m^3
2588	Gadolinium chloride hexahydrate	13450-84-5	2.2	24	140	mg/m^3
2589	Gallium trichloride	13450-90-3	2.9	32	930	mg/m^3
2590	Lead(II) perchlorate trihydrate	13453-62-8	0.33	270	1,600	mg/m^3
2591	Lithium metaborate, anhydrous	13453-69-5	6	77	460	mg/m^3
2592	Cesium nitrite	13454-83-6	30	330	2,000	mg/m^3
2593	Cerium(III) sulfate	13454-94-9	12	130	790	mg/m^3
2594	Potassium fluoride dihydrate	13455-21-5	37	420	2,500	mg/m^3
2595	Potassium bi-iodate	13455-24-8	1.1	13	76	mg/m^3
2596	Nickel(II) bromide	13462-88-9	1.1	12	73	mg/m^3
2597	**Nickel carbonyl**	**13463-39-3**	0.0033	**0.036**	**0.16**	ppm
2598	**Iron pentacarbonyl**	**13463-40-6**	0.0055	**0.060**	**0.18**	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2599	Titanium oxide; (Titanium dioxide)	13463-67-7	30	330	2,000	mg/m^3
2600	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	2.9	32	190	mg/m^3
2601	Tripotassium arsenate	13464-36-3	5.2	57	340	mg/m^3
2602	Trisodium arsenate	13464-38-5	4.2	47	280	mg/m^3
2603	Arsenous acid	13464-58-9	2.6	28	170	mg/m^3
2604	Indium sulfate	13464-82-9	0.68	7.6	46	mg/m^3
2605	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	0.3	39	100	mg/m^3
2606	Hydroxylamine nitrate	13465-08-2	0.24	37	140	mg/m^3
2607	Samarium(III) chloride hexahydrate	13465-55-9	1.7	19	110	mg/m^3
2608	Barium nitrite	13465-94-6	2.5	300	1,800	mg/m^3
2609	Barium phosphate	13466-20-1	3	30	150	mg/m^3
2610	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	6.4	71	240	mg/m^3
2611	Titanium(III) fluoride	13470-08-1	14	150	920	mg/m^3
2612	Tungsten(IV) chloride; (Tungsten tetrachloride)	13470-13-8	5.3	58	350	mg/m^3
2613	Uranyl hydroxide (includes liquids)	13470-18-3	0.77	4.3	26	mg/m^3
2614	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	8.3	92	550	mg/m^3
2615	Sodium pyrophosphate decahydrate	13472-36-1	8.6	96	580	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2616	Sodium tungstate	13472-45-2	4.8	53	320	mg/m^3
2617	Aluminum(III) nitrate (1:3)	13473-90-0	47	68	410	mg/m^3
2618	Erbium(III) nitrate hexahydrate	13476-05-6	1.4	15	91	mg/m^3
2619	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	12	130	770	mg/m^3
2620	Nickel(II) nitrate hexahydrate	13478-00-7	1.5	53	320	mg/m^3
2621	Iron(II) chloride tetrahydrate	13478-10-9	11	120	710	mg/m^3
2622	Cobalt(II) perchlorate, hexahydrate	13478-33-6	0.37	5.8	35	mg/m^3
2623	Tellurium	13494-80-9	1.8	20	110	mg/m^3
2624	Hansa yellow	13515-40-7	30	330	2,000	mg/m^3
2625	Sodium chromate decahydrate	13517-17-4	0.99	17	100	mg/m^3
2626	Sodium metasilicate nonahydrate	13517-24-3	8.9	98	590	mg/m^3
2627	Iron(II) perchlorate hexahydrate	13520-69-9	19	210	1,200	mg/m^3
2628	Uranyl nitrate hexahydrate	13520-83-7	1.3	7	42	mg/m^3
2629	Zirconium chloride oxide octahydrate	13520-92-8	35	300	1,800	mg/m^3
2630	Aluminum tris(dihydrogen phosphate); (Phosphoric acid, aluminum salt (3:1))	13530-50-2	3	33	200	mg/m^3
2631	Zinc chromate; (Pigment yellow)	13530-65-9	0.03	9	54	mg/m^3
2632	Neodymium bromide	13536-80-6	0.053	0.38	14	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2633	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	0.78	4.3	26	mg/m^3
2634	Thulium chloride	13537-18-3	7	77	460	mg/m^3
2635	Chromium perchlorate, hydrated	13537-21-8	10	110	670	mg/m^3
2636	Iron(III) perchlorate	13537-24-1	19	210	1,200	mg/m^3
2637	Chromium(III) nitrate	13548-38-4	6.9	110	640	mg/m^3
2638	Ammonia-d3	13550-49-7	30	160	1,100	ppm
2639	Vanadium sulfate	13566-06-8	0.013	0.14	100	mg/m^3
2640	Lithium nitrite	13568-33-7	30	330	2,000	mg/m^3
2641	Lithium molybdate	13568-40-6	2.7	30	180	mg/m^3
2642	Lithium deuteride	13587-16-1	0.025	0.1	0.5	mg/m^3
2643	Cerium sulfate	13590-82-4	30	330	2,000	mg/m^3
2644	Beryllium nitrate	13597-99-4	0.047	0.52	2.1	mg/m^3
2645	Phosphonic acid	13598-36-2	1.2	13	380	mg/m^3
2646	Uranium hydride; (Uranium(III) hydride)	13598-56-6	0.61	5	30	mg/m^3
2647	Sodium cobaltinitrite	13600-98-1	0.41	4.6	28	mg/m^3
2648	Tetraamminepalladium(II) nitrate	13601-08-6	1.2	13	79	mg/m^3
2649	Sodium ferrocyanide	13601-19-9	12	16	97	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2650	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	30	330	2,000	ppm
2651	Zinc perchlorate	13637-61-1	24	270	1,600	mg/m^3
2652	**Chlorine pentafluoride**	**13637-63-3**	0.015	**0.17**	**8.0**	ppm
2653	Nickel perchlorate	13637-71-3	1.9	20	120	mg/m^3
2654	Barium metaborate	13701-59-2	2.4	300	1,800	mg/m^3
2655	Vanadium(III) sulfate	13701-70-7	0.017	0.19	130	mg/m^3
2656	Lanthanum fluoride	13709-38-1	26	280	1,700	mg/m^3
2657	Neodymium fluoride	13709-42-7	26	300	1,800	mg/m^3
2658	Potassium metaborate	13709-94-9	6.8	77	460	mg/m^3
2659	Sodium metavanadate; (Sodium vanadate)	13718-26-8	0.011	0.12	84	mg/m^3
2660	Sodium orthovanadate	13721-39-6	0.016	0.18	130	mg/m^3
2661	Potassium ferricyanide	13746-66-2	13	18	110	mg/m^3
2662	Zirconium nitrate	13746-89-9	37	320	1,900	mg/m^3
2663	Sodium tetrafluoroborate(1-)	13755-29-8	11	120	720	mg/m^3
2664	Ytterbium fluoride	13760-80-0	30	330	2,000	mg/m^3
2665	Potassium dideuterium phosphate	13761-79-0	9.6	110	630	mg/m^3
2666	Calcium chromate	13765-19-0	0.003	7.8	47	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2667	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	1.3	12	71	mg/m^3
2668	Sodium aluminum hydride	13770-96-2	1.2	13	80	mg/m^3
2669	Calcium nitrite	13780-06-8	6.4	71	240	mg/m^3
2670	Sulfuric acid-d2; (Deuterosulfuric acid)	13813-19-9	0.2	8.7	160	mg/m^3
2671	Lead fluoborate	13814-96-5	0.28	220	1,300	mg/m^3
2672	Tin fluoroborate	13814-97-6	15	170	990	mg/m^3
2673	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	30	330	2,000	mg/m^3
2674	Thorium(IV) nitrate	13823-29-5	2.9	32	190	mg/m^3
2675	Sodium hypobromite	13824-96-9	30	330	2,000	mg/m^3
2676	Thorium hydroxide	13825-36-0	30	330	2,000	mg/m^3
2677	Thallium nitrite	13826-63-6	0.074	4.2	25	mg/m^3
2678	Lead nitrite	13826-65-8	0.22	170	1,000	mg/m^3
2679	Zirconyl nitrate; (Bis(nitrato-O)oxozirconium)	13826-66-9	25	220	1,300	mg/m^3
2680	Ammonium fluoborate	13826-83-0	10	120	690	mg/m^3
2681	Nitronium Tetrafluoroborate	13826-86-3	13	150	870	mg/m^3
2682	Sodium sulfamate	13845-18-6	36	120	6,000	mg/m^3
2683	**Bromine chloride**	**13863-41-7**	0.075	**0.83**	**2.5**	ppm

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2684	Chromates	13907-45-4	0.33	5	30	mg/m^3
2685	Molybdenum hexacarbonyl	13939-06-5	83	920	5,500	mg/m^3
2686	Nickel fluoride, tetrahydrate	13940-83-5	1.7	19	110	mg/m^3
2687	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	14	20	120	mg/m^3
2688	Butylamine, sec-; (inlcudes 513-49-5)	13952-84-6	6	10	31	ppm
2689	Sodium deuteroxide	14014-06-3	0.5	5	50	mg/m^3
2690	Ferrous sulfamate	14017-39-1	8.4	92	550	mg/m^3
2691	Borane-tetrahydrofuran	14044-65-6	12	130	790	mg/m^3
2692	Potassium tetrafluoroborate(1-)	14075-53-7	12	140	830	mg/m^3
2693	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	3.5	39	230	mg/m^3
2694	Cobalt tetraphenylporphine	14172-90-8	30	330	2,000	mg/m^3
2695	Borate	14213-97-9	6	66	400	mg/m^3
2696	Potassium orthovanadate	14293-78-8	0.021	0.23	160	mg/m^3
2697	Pigment green 36	14302-13-7	12	130	790	mg/m^3
2698	Lithium chromate; (Lithium chromium oxide)	14307-35-8	0.37	6.5	39	mg/m^3
2699	Ammonium tartrate; (Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, ammonium salt)	14307-43-8	30	330	2,000	mg/m^3
2700	Sodium nitroferricyanide	14402-89-2	0.21	2.3	14	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2701	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	32	370	2,100	mg/m^3
2702	Potassium hexacyanoferrate(II) trihydrate; (Potassium ferricyanide trihydrate)	14459-95-1	16	23	140	mg/m^3
2703	Cristobalite	14464-46-1	0.075	33	200	mg/m^3
2704	Zirconium hydroxide	14475-63-9	17	150	870	mg/m^3
2705	Lanthanum hydroxide	14507-19-8	1.2	13	79	mg/m^3
2706	Neodymium nitrate, pentahydrate	14517-29-4	30	330	2,000	mg/m^3
2707	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	30	330	2,000	mg/m^3
2708	Ethyl-2-methylheptane, 3-	14676-29-0	230	385	5,000	ppm
2709	Nitrate(s)	14797-55-8	30	330	2,000	mg/m^3
2710	Talc	14807-96-6	6	66	400	mg/m^3
2711	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	0.075	33	200	mg/m^3
2712	Lanthanum phosphate	14913-14-5	12	130	790	mg/m^3
2713	Cupric nitrite	14984-71-5	7.3	79	480	mg/m^3
2714	Zirconium oxynitrate hydrate	14985-18-3	27	230	1,400	mg/m^3
2715	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	mg/m^3
2716	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	4.4	48	290	mg/m^3
2717	Disodium (2-ethylhexyl)phosphate	15505-13-2	30	330	2,000	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2718	Potassium tellurate	15571-91-2	0.63	6.9	42	mg/m^3
2719	Thallium(III) perchlorate hexahydrate	15596-83-5	0.18	10	60	mg/m^3
2720	Ammonium nickel sulfate	15699-18-0	1.5	13	79	mg/m^3
2721	Manganese(II) nitrate hydrate	15710-66-4	11	18	110	mg/m^3
2722	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9	30	330	2,000	mg/m^3
2723	Cerium hydroxide	15785-09-8	21	180	1,100	mg/m^3
2724	Mercurous oxide; (Mercury(I) oxide)	15829-53-5	0.078	0.1	29	mg/m^3
2725	Dimethyloctane, 3,5-	15869-93-9	230	385	5,000	ppm
2726	Oxathiane, 1,4-	15980-15-1	2.6	29	170	ppm
2727	Thorium perchlorate	16045-17-3	30	330	2,000	mg/m^3
2728	Dicyclohexano-18-crown-6	16069-36-6	0.41	4.5	35	mg/m^3
2729	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3-chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2	4.2	46	280	mg/m^3
2730	**Ethylidene norbornene**	**16219-75-3**	**0.2**	**100**	**500**	ppm
2731	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	0.27	2.9	17	mg/m^3
2732	Monobutyl phosphite	16456-56-7	2.7	30	180	mg/m^3
2733	Neodymium hydroxide	16469-17-3	1.2	13	79	mg/m^3
2734	Gadolinium hydroxide	16469-18-4	12	130	790	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2735	Bromocyclohexanol, cis-2-	16536-57-5	0.037	0.27	9.6	ppm
2736	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3	30	330	2,000	mg/m^3
2737	Magnesium acetate tetrahydrate	16674-78-5	46	490	3,000	mg/m^3
2738	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	0.088	0.96	5.8	mg/m^3
2739	Potassium pyrosulfite; (Potassium metabisulfite)	16731-55-8	5.4	59	360	mg/m^3
2740	Methomyl	16752-77-5	0.91	10	23	mg/m^3
2741	Ceric ammonium nitrate	16774-21-3	30	330	2,000	mg/m^3
2742	Potassium phosphate, dibasic trihydrate	16788-57-1	16	180	1,100	mg/m^3
2743	**Cobalt hydrocarbonyl**	**16842-03-8**	0.3	**0.9**	**3**	mg/m^3
2744	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	8.4	92	550	mg/m^3
2745	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-, dipotassium)	16871-90-2	0.47	5.1	31	mg/m^3
2746	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	8.7	97	580	mg/m^3
2747	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	0.23	2.5	15	mg/m^3
2748	Chloride; (Chloride(1-); Chloride ions)	16887-00-6	0.5	2	20	ppm
2749	Disodium hexafluorosilicate (2-)	16893-85-9	12	140	820	mg/m^3
2750	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	12	130	780	mg/m^3
2751	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	19	200	1,200	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2752	Sodium borohydride	16940-66-2	0.49	5.3	32	mg/m^3
2753	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	0.013	3.2	19	mg/m^3
2754	Lithium borohydride; (Lithium tetrahydroborate)	16949-15-8	2.2	24	150	mg/m^3
2755	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	9.5	110	630	mg/m^3
2756	Fluorides (as F)	16984-48-8	7.5	83	500	mg/m^3
2757	Copper(II) perchlorate, dihydrate	17031-32-2	14	160	930	mg/m^3
2758	Aluminum hexafluorosilicate	17099-70-6	11	120	700	mg/m^3
2759	Iodine 125	17144-19-3	0.1	0.5	5	ppm
2760	Barium hydroxide	17194-00-2	1.9	230	1,400	mg/m^3
2761	Methylnonane, 4-	17301-94-9	230	385	5,000	ppm
2762	Dimethylnonane, 4,5-	17302-23-7	230	385	5,000	ppm
2763	Dimethyldecane, 2,2-	17302-37-3	230	385	5,000	ppm
2764	**Butyl chloroformate, sec-**	**17462-58-7**	0.2	**2.2**	**6.7**	ppm
2765	Urea), N,N''-(4-methyl-1,3-phenylene)bis(N',N'-dimethyl-	17526-94-2	12	130	790	mg/m^3
2766	Iminodiacetic acid, disodium salt hydrate	17593-73-6	12	130	790	mg/m^3
2767	Decaborane	17702-41-9	0.75	10	100	mg/m^3
2768	Formparanate	17702-57-7	0.65	7.2	43	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2769	Tetraethylene glycol diacrylate	17831-71-9	3	27	160	mg/m^3
2770	Nickel(II) nitrite	17861-62-0	0.77	8.6	51	mg/m^3
2771	Potassium uranyl carbonate	17871-80-6	1.5	13	76	mg/m^3
2772	Sodium triethylborohydride	17979-81-6	1.2	13	79	mg/m^3
2773	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	30	330	2,000	mg/m^3
2774	Tin(IV) oxide; (Stannic oxide)	18282-10-5	7.6	85	510	mg/m^3
2775	Strontium hydroxide	18480-07-4	0.75	7.6	76	mg/m^3
2776	Manganese nitrite	18488-90-9	8	13	78	mg/m^3
2777	Mercury nitrite; (Mercury(II) nitrite)	18541-72-5	0.11	0.15	41	mg/m^3
2778	Ferrous hydroxide; (Iron(II) hydroxide)	18624-44-7	30	330	2,000	mg/m^3
2779	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8	1.6	18	110	mg/m^3
2780	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	4.8	7.9	47	mg/m^3
2781	Molybdenum dioxide	18868-43-4	40	430	2,600	mg/m^3
2782	Ethylhexyl bromide, 2-	18908-66-2	30	330	2,000	mg/m^3
2783	Manganese hydroxide	18933-05-6	4.9	8.1	49	mg/m^3
2784	Sodium citrate; (Monosodium citrate)	18996-35-5	4	44	270	mg/m^3
2785	Cupric nitrate hemipentahydrate	19004-19-4	42	150	240	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2786	Phosphonic acid, dioctadecyl ester	19047-85-9	9.5	100	630	mg/m^3
2787	Allyl 2-chloroethyl sulfide	19155-35-2	0.034	0.38	2.3	mg/m^3
2788	**Diborane**	**19287-45-7**	0.3	**1.0**	**3.7**	ppm
2789	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	mg/m^3
2790	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	30	330	2,000	mg/m^3
2791	Dimethyl cyclopentanol, 1,3-	19550-46-0	30	330	2,000	mg/m^3
2792	Sodium strontium phosphate	19553-80-1	6.3	83	900	mg/m^3
2793	Lithium azide	19597-69-4	30	330	2,000	mg/m^3
2794	**Pentaborane**	**19624-22-7**	0.015	**0.14**	**0.51**	ppm
2795	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	30	330	2,000	mg/m^3
2796	Lead hydroxide	19783-14-3	0.17	140	810	mg/m^3
2797	Propyl-1-butanamine, N-	20193-21-9	3.2	35	210	mg/m^3
2798	Cesium oxide	20281-00-9	4.1	45	270	mg/m^3
2799	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol)	20324-33-8	2	22	75	ppm
2800	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	30	330	2,000	mg/m^3
2801	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	1.2	13	79	mg/m^3
2802	Iron hydroxide oxide	20344-49-4	24	260	1,600	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2803	Zinc hydroxide	20427-58-1	6	66	400	mg/m^3
2804	Copper hydroxide; (Copper(II) hydroxide, Cupric hydroxide)	20427-59-2	4.6	33	200	mg/m^3
2805	Calcium sulfide	20548-54-3	12	130	790	mg/m^3
2806	Sodium diethyldithiocarbamate trihydrate	20624-25-3	6	50	300	mg/m^3
2807	Silver oxide	20667-12-3	0.3	93	560	mg/m^3
2808	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2	2.5	27	160	mg/m^3
2809	**Potassium phosphide**	**20770-41-6**	0.18	**2.0**	**3.6**	ppm
2810	**Osmium tetroxide**	**20816-12-0**	6.00E-04	**0.0084**	**4.0**	ppm
2811	Methylphosphonothioic acid, S-(2-(dimethylamino)ethyl) O-ethyl ester	20820-80-8	0.0057	0.062	0.37	ppm
2812	Digoxin	20830-75-5	0.018	0.2	13	mg/m^3
2813	**Aluminum phosphide**	**20859-73-8**	1.3	**2.0**	**3.6**	ppm
2814	Cobalt hydroxide	21041-93-0	0.095	1.1	6.3	mg/m^3
2815	Cadmium hydroxide	21041-95-2	0.13	0.99	6.1	mg/m^3
2816	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	0.0014	0.015	0.093	mg/m^3
2817	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	97	1,100	6,300	mg/m^3
2818	Lithium hexafluorophosphate	21324-40-3	7.5	83	500	mg/m^3
2819	Cesium hydroxide	21351-79-1	6	19	110	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2820	Fosthietan	21548-32-3	0.43	4.7	28	mg/m^3
2821	Leptophos; (Fosvel)	21609-90-5	2.7	30	53	mg/m^3
2822	Aluminum hydroxide	21645-51-2	8.7	73	440	mg/m^3
2823	Rhodium(III) hydroxide	21656-02-0	0.045	0.5	3	mg/m^3
2824	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	1.5	16	30	mg/m^3
2825	Chlorthiophos	21923-23-9	0.71	7.8	9.9	mg/m^3
2826	Europium(II) iodide	22015-35-6	30	330	2,000	mg/m^3
2827	Nicotine, dl-beta-; (DL-Nicotine)	22083-74-5	0.56	6.2	37	mg/m^3
2828	Copper(I) sulfide	22205-45-4	3.8	43	260	mg/m^3
2829	Fenamiphos	22224-92-6	0.15	0.9	3.1	mg/m^3
2830	Bismuth acetate	22306-37-2	30	330	2,000	mg/m^3
2831	Phosphorodifluoridic acid, methyl ester	22382-13-4	23	250	1,500	mg/m^3
2832	Aminoacetaldehyde dimethyl acetal; (2,2-Dimethoxyethylamine)	22483-09-6	30	330	2,000	mg/m^3
2833	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4-, boron difluoride	22502-27-8	0.33	3.6	22	mg/m^3
2834	Lithium triethylborohydride; (Super-hydride)	22560-16-3	1.2	13	79	mg/m^3
2835	Calcium chloride hydrate	22691-02-7	13	140	850	mg/m^3
2836	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	45	500	3,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2837	Ethylbenzaldehyde, 2-	22927-13-5	22	240	1,400	ppm
2838	Methyl mercury	22967-92-6	0.032	0.043	2.1	mg/m^3
2839	Oxamyl	23135-22-0	0.15	1.7	4.7	mg/m^3
2840	Formetanate hydrochloride	23422-53-9	0.12	1.3	7.9	mg/m^3
2841	Pirimifos-ethyl	23505-41-1	2.3	25	28	mg/m^3
2842	Propanol, zirconium(4+) salt, 1-	23519-77-9	36	300	1,800	mg/m^3
2843	Triazofos; (Triazophos)	24017-47-8	0.25	2.8	12	mg/m^3
2844	Di-tert-butyl dicarbonate	24424-99-5	0.067	0.73	4.4	mg/m^3
2845	**Ethylhexylchloroformate, 2-**	**24468-13-1**	0.088	**0.97**	**2.9**	ppm
2846	Diisopropylaniline, 2,6-	24544-04-5	16	180	630	mg/m^3
2847	Tripropylene glycol; (((1-Methyl-1,2-ethanediyl)bis(oxy))bispropanol)	24800-44-0	1.1	13	76	ppm
2848	Chlormephos	24934-91-6	0.64	7	42	mg/m^3
2849	Ethylene/vinyl acetate copolmer	24937-78-8	30	330	2,000	mg/m^3
2850	Glycols, polyethylene, dimethyl ether	24991-55-7	37	400	2,000	mg/m^3
2851	Acrylamide, N,N'-methylenebisacrylamide copolymer	25034-58-6	30	330	2,000	mg/m^3
2852	Epoxy resin; (Bisphenol A-Bisphenol A diglycidyl ether polymer)	25036-25-3	6	66	400	mg/m^3
2853	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	2.3	25	150	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2854	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0	30	330	2,000	mg/m^3
2855	Epoxy resin includes EPON 1001, 1007, 820, ERL-2795	25068-38-6	90	990	5,900	mg/m^3
2856	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	1.9	21	120	mg/m^3
2857	Styrene-allyl alcohol copolymer	25119-62-4	30	330	2,000	mg/m^3
2858	Nadic methyl anhydride	25134-21-8	0.49	5.4	32	mg/m^3
2859	Polysulfone resin	25135-51-7	30	330	2,000	mg/m^3
2860	Nonyl phenol (mixed isomers)	25154-52-3	2.5	27	110	mg/m^3
2861	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	2.1	23	87	mg/m^3
2862	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4	13	140	840	mg/m^3
2863	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	3.4	38	230	mg/m^3
2864	Dinitrotoluene	25321-14-6	0.6	34	200	mg/m^3
2865	Tetrachloroethane (mixed isomers)	25322-20-7	0.65	7.2	43	ppm
2866	Polyethylene glycol	25322-68-3	30	1,300	7,700	mg/m^3
2867	Polypropylene glycols	25322-69-4	30	330	2,000	mg/m^3
2868	**Diethylbenzene mixed isomers; (Dowtherm J); includes m- (141-93-5) and o- (135-01-3) isomers**	**25340-17-4**	**10**	**100**	**500**	ppm
2869	Triethylbenzene (mixed isomers)	25340-18-5	3	33	200	ppm
2870	Dodecenylsuccinic anhydride	25377-73-5	0.79	8.7	52	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2871	Tripropylene glycol methyl ether	25498-49-1	9.6	110	630	mg/m^3
2872	Dinitrophenol	25550-58-7	0.25	2.7	16	mg/m^3
2873	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8	3.8	42	250	mg/m^3
2874	Zirconium nitride	25658-42-8	12	97	580	mg/m^3
2875	Styrenesulfonate), poly(sodium 4-	25704-18-1	48	530	3,200	mg/m^3
2876	Polyethylene glycol dimethacrylate	25852-47-5	30	330	2,000	mg/m^3
2877	Epoxy resin; (Epichlorhydrin, polymer with diethylene glycol)	25928-94-3	3.6	40	240	mg/m^3
2878	Glycols, polyethylene, mono(p-nonylphenyl) ether	26027-38-3	4.5	49	300	mg/m^3
2879	Diallyldimethylammonium chloride polymer	26062-79-3	6	65	590	mg/m^3
2880	Polymaleic acid; (2-Butenedioic acid (2Z)-, homopolymer)	26099-09-2	30	330	2,000	mg/m^3
2881	Lithium nitride	26134-62-3	30	330	2,000	mg/m^3
2882	Terphenyls; (Diphenylbenzene)	26140-60-3	0.45	5	1,400	mg/m^3
2883	Phyllomedusin	26145-48-2	30	330	2,000	mg/m^3
2884	Chloro-2-methyl-4-isothiazolin-3-one, 5-	26172-55-4	0.6	6.6	40	mg/m^3
2885	Sodium tridecylbenzene sulfonate	26248-24-8	5.3	58	350	mg/m^3
2886	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-; (Tirpate)	26419-73-8	0.003	0.033	0.2	mg/m^3
2887	Diphenyl cresol phosphate	26444-49-5	4.3	47	280	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2888	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5	29	40	240	mg/m^3
2889	Toluene diisocyanate (mixed isomers)	26471-62-5	0.02	0.083	0.51	ppm
2890	Dimethyldicyclopentadiene	26472-00-4	2.2	24	140	mg/m^3
2891	Dodecenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	7.7	84	510	mg/m^3
2892	Poly(ethylene glycol)diacrylate	26570-48-9	1.2	13	79	mg/m^3
2893	Poly(acrylamide-co-diallyldimethylammonium chloride)	26590-05-6	30	330	2,000	mg/m^3
2894	Tetrahydromethyl-1,3-isobenzofurandione, 3A,4,7,7A-; (Methyltetrahydrophthalic anhydride)	26590-20-5	7.7	85	510	mg/m^3
2895	Sodium azide	26628-22-8	0.026	0.29	5.3	mg/m^3
2896	Poly(oxy-1,2-ethanediyl), alpha-(4-octylphenyl)-omega-hydroxy-; (Polyethylene glycol mono(p-octylphenol)ether)	26636-32-8	1.2	14	81	mg/m^3
2897	Forane	26675-46-7	21	230	610	ppm
2898	Neodecanoic acid	26896-20-8	6	66	400	mg/m^3
2899	**Trichloro(dichlorophenyl) silane; (Dichlorophenyltrichlorosilane)**	**27137-85-5**	**0.60**	**7.3**	**33**	ppm
2900	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0	2	21	130	mg/m^3
2901	Dodecylphenol, 4- (mixture of isomers)	27193-86-8	4.1	45	420	mg/m^3
2902	Diisooctyl acid phosphate	27215-10-7	12	130	790	mg/m^3
2903	Neodecanoic acid, calcium salt; (Calcium neodecanoate)	27253-33-4	6	66	400	mg/m^3
2904	Stilbene 3; (Stilbene 420; Tinopal CBS; Disodium 4,4'-bis(2-sulfostyryl)biphenyl)	27344-41-8	8.1	89	530	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2905	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenyloxy) butane and ethenol	27360-07-2	30	330	2,000	mg/m^3
2906	Diammonium dimolybdate; (Ammonium molybdenum oxide)	27546-07-2	2.6	29	170	mg/m^3
2907	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	0.015	0.16	110	mg/m^3
2908	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	30	330	2,000	mg/m^3
2909	Hexamethylene diisocyanate polymer	28182-81-2	7.8	86	510	mg/m^3
2910	Trinitrochlorobenzene; (Picryl chloride)	28260-61-9	30	330	2,000	mg/m^3
2911	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	0.049	0.54	3.2	ppm
2912	Antimony potassium tartrate trihydrate	28300-74-5	4.1	37	220	mg/m^3
2913	Xylylene dichloride	28347-13-9	0.18	2	8.8	mg/m^3
2914	Diethyl (methylthiomethyl) phosphonate	28460-01-7	1.8	20	120	ppm
2915	Bromadiolone	28772-56-7	0.091	1	3.4	mg/m^3
2916	Dimethylpolysilane; (Poly(dimethylsilane))	28883-63-8	0.5	0.83	2.5	ppm
2917	Dihydro-3-(nonenyl)-2,5-furandione	28928-97-4	30	330	2,000	mg/m^3
2918	**HFO-1234ze; 1,3,3,3-Tetrafluoropropylene**	**29118-24-9**	1,400	**15,000**	**69,000**	ppm
2919	Butyl methyl-d3 ether, tert-	29366-08-3	50	570	5,300	ppm
2920	Methyl-1H-benzotriazole	29385-43-1	2	22	130	mg/m^3
2921	Potassium antimonate; (Antimony potassium oxide)	29638-69-5	3.2	28	170	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2922	Tris((hydroxymethyl)methylamino)propane-1-sulphonic acid, 3-	29915-38-6	30	330	2,000	mg/m^3
2923	Propoxypropanol, n-; (Propylene glycol monpropyl ether)	30136-13-1	0.93	10	61	ppm
2924	Paraformaldehyde	30525-89-4	2	23	47	mg/m^3
2925	Epoxy resin, cured; (4,4'-(1-Methylethylidene)biscyclohexanol, polymer with (chloromethyl)oxirane)	30583-72-3	30	330	2,000	mg/m^3
2926	**Isocyanatoethyl methacrylate, 2-**	**30674-80-7**	0.0091	**0.1**	**1**	ppm
2927	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7	12	130	790	mg/m^3
2928	Sodium p-tert-amylphenate; (4-(1,1-Dimethylpropyl)phenol, sodium salt)	31366-95-7	30	330	2,000	mg/m^3
2929	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	0.66	7.2	43	mg/m^3
2930	Samarium(II) iodide solution	32248-43-4	12	130	790	mg/m^3
2931	Octadecyl methacrylate	32360-05-7	30	330	2,000	mg/m^3
2932	Cobalt nitrite	32486-57-0	0.15	1.7	10	mg/m^3
2933	Sodium hexahydroxoantimonate; (Sodium antimonate)	33908-66-6	3	27	160	mg/m^3
2934	Butanol-d10, n-	34193-38-9	60	800	8,000	ppm
2935	Dihydro-4-methyl furan, 2,3-	34314-83-5	12	130	790	mg/m^3
2936	Phenol red, sodium salt	34487-61-1	12	130	790	mg/m^3
2937	Dipropylene glycol methyl ether	34590-94-8	150	1,700	9,900	ppm
2938	Iron(III) sulfate heptahydrate	35139-28-7	28	310	1,900	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2939	Saxitoxin	35523-89-8	2.10E-05	2.30E-04	0.0014	mg/m^3
2940	Amino-4,6-dinitrotoluene, 2-	35572-78-2	4.2	46	280	mg/m^3
2941	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	mg/m^3
2942	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	30	330	2,000	mg/m^3
2943	Uranyl nitrate (yellow salt)	36478-76-9	0.99	5.5	33	mg/m^3
2944	Hexadecanol, 1-	36653-82-4	1.6	18	110	mg/m^3
2945	Vanadium(II) sulfate heptahydrate	36907-42-3	0.025	0.27	190	mg/m^3
2946	Oxone, monopersulfate compound	37222-66-5	30	330	2,000	mg/m^3
2947	Polyethylene glycol 20M	37225-26-6	30	1,300	7,700	mg/m^3
2948	Metaphosphoric acid	37267-86-0	30	330	2,000	mg/m^3
2949	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	34	370	2,200	mg/m^3
2950	Sodium nickel oxide (Liquid)	37367-09-2	0.7	7.6	46	mg/m^3
2951	Ammonium hydrogen oxalate hemihydrate	37541-72-3	30	330	2,000	mg/m^3
2952	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	30	330	2,000	mg/m^3
2953	Diisopropylnaphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	5.6	61	370	mg/m^3
2954	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	mg/m^3
2955	Butyl-2-methylcyclopropane, T-1-	38851-70-6	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2956	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	0.43	4.7	28	mg/m^3
2957	Thiofanox; (Dacamox)	39196-18-4	0.77	8.5	51	mg/m^3
2958	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	0.0013	0.014	0.085	mg/m^3
2959	Antimony hydroxide	39349-74-1	2.1	18	110	mg/m^3
2960	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	mg/m^3
2961	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	45	500	3,000	mg/m^3
2962	Titanium aluminide	39410-63-4	8.3	92	550	mg/m^3
2963	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	mg/m^3
2964	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	1.3	28	170	mg/m^3
2965	Chromium(III) acetate hydroxide	39430-51-8	8	89	530	mg/m^3
2966	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	1.30E-04	0.0014	0.0085	mg/m^3
2967	**Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)**	**40334-69-8**	0.023	**0.25**	**0.74**	mg/m^3
2968	**Lewisite 3; (Tris(2-chlorovinyl)arsine)**	**40334-70-1**	0.023	**0.25**	**0.74**	mg/m^3
2969	Dimethyl(1-phenylethyl)benzene	40766-31-2	2	23	410	mg/m^3
2970	Tin nitrate	41480-79-9	12	140	820	mg/m^3
2971	Nabumetone; (Relafen; 4-(6-Methoxy-2-naphthyl)-2-butanone)	42924-53-8	1.6	17	770	mg/m^3
2972	Trimethylolpropane ethoxylate	50586-59-9	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2973	**Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)**	**50782-69-9**	**1.60E-05**	**2.70E-04**	**9.10E-04**	ppm
2974	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	0.86	9.6	57	mg/m^3
2975	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	2.00E-04	0.0023	0.2	mg/m^3
2976	Molybdophosphoric acid hydrate; (Phosphomolybdic acid hydrate)	51429-74-4	2.4	27	160	mg/m^3
2977	Giemsa's stain; (Blood stain)	51811-82-6	30	330	2,000	mg/m^3
2978	Ethyl-5-methylheptane, 3-	52896-90-9	230	385	5,000	ppm
2979	Tetramethylammonium silicate	53116-81-7	30	330	2,000	mg/m^3
2980	Satratoxin H	53126-64-0	0.0046	0.051	0.3	mg/m^3
2981	Potassium strontium phosphate	53201-92-6	16	180	1,000	mg/m^3
2982	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	3	140	840	mg/m^3
2983	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	0.003	0.033	0.2	mg/m^3
2984	Pyriminil; (Pyriminyl)	53558-25-1	0.56	6.2	16	mg/m^3
2985	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7	0.44	4.9	29	mg/m^3
2986	Calcium trifluoromethanesulfonate	55120-75-7	22	250	1,500	mg/m^3
2987	Monochlorophenyl ether	55398-86-2	1.5	35	210	mg/m^3
2988	Butyl-3-iodo-2-propynylcarbamate	55406-53-6	3.3	36	220	mg/m^3
2989	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	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
2990	Trimethyl-2-hexene, 4,4,5-	55702-61-9	30	330	2,000	mg/m^3
2991	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	4.30E-04	0.0046	0.028	mg/m^3
2992	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	0.0043	0.046	0.28	mg/m^3
2993	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	0.0013	0.014	0.085	mg/m^3
2994	Hypophosphorous acid-d3; (Hydrophosphorus acid-d3 solution, 50 wt.% in D2O)	57583-56-9	30	330	2,000	mg/m^3
2995	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	0.0013	0.014	0.085	mg/m^3
2996	Ethyl O-2-diisopropylaminoethylmethylphosphonite, O-; (QL)	57856-11-8	30	330	2,000	mg/m^3
2997	Dichloro(4,4-dimethylzinc -5((((methylamino)carbonyl)oxy)imino)pentanenitrile), (trans-4)-; (Ethienocarb)	58270-08-9	0.82	9	54	mg/m^3
2998	Hexamethylenetetraamine hydrochloride	58713-21-6	30	330	2,000	mg/m^3
2999	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	1,250	2,500	15,000	ppm
3000	Styrene-divinylbenzene resin, chloromethylated, aminated with trimethylamine; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1	30	330	2,000	mg/m^3
3001	Cobalt(II) sulfate hydrate	60459-08-7	0.18	1.9	12	mg/m^3
3002	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	36	400	2,400	mg/m^3
3003	Monosodium titanate	60704-88-3	30	330	2,000	mg/m^3
3004	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	0.0013	0.014	0.085	mg/m^3
3005	Antioxidant G-16 (most toxic antioxident)	61373-87-3	0.98	11	65	mg/m^3
3006	Hydrogenated terphenyl	61788-32-7	1.5	47	280	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3007	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	30	330	2,000	mg/m^3
3008	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	30	330	2,000	mg/m^3
3009	Mastic (resin)	61789-92-2	2.3	25	1,300	mg/m^3
3010	Naphthenic acid, lead salt	61790-14-5	15	170	1,000	mg/m^3
3011	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	30	330	2,000	mg/m^3
3012	Ethyl-2-methyloctane, 6-	62016-19-7	230	385	5,000	ppm
3013	Tripotassium (2-hydroxyethyl)ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	30	330	2,000	mg/m^3
3014	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-; (Fluomine)	62207-76-5	0.27	3	5.7	mg/m^3
3015	Trimethyldecane, all isomers; (inlcudes 62238-01-1, 62108-23-0)	62338-09-4	230	385	5,000	ppm
3016	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2	30	330	2,000	mg/m^3
3017	Dimethyl siloxane; (Dimethylpolysiloxane; Syltherm XLT; Syltherm 800; Silicone 360)	63148-62-9	65	720	4,300	mg/m^3
3018	Alkylamines	63231-48-1	30	330	2,000	mg/m^3
3019	Silica gel	63231-67-4	18	200	1,200	mg/m^3
3020	Molecular sieve 13X	63231-69-6	30	330	2,000	mg/m^3
3021	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4	2.3	25	150	mg/m^3
3022	Siloprene k 1000 (Polydimethylsiloxane rubber)	63394-02-5	12	130	790	mg/m^3
3023	Bis(2-chloroethylthio)methane	63869-13-6	0.08	0.17	2.7	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3024	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2	0.1	0.19	3	mg/m^3
3025	Bis(2-chlorethylthioethyl) ether; (2,2'-Di(3-chloroethylthio)diethyl ether)	63918-89-8	0.16	1.8	11	mg/m^3
3026	Bis(2-chloroethylthiomethyl)ether	63918-90-1	0.1	0.2	3.1	mg/m^3
3027	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, epsilon-lactone)	64047-30-9	22	250	1,500	mg/m^3
3028	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3	6.8	75	450	mg/m^3
3029	Disodium butylphosphate	64114-42-7	30	330	2,000	mg/m^3
3030	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	30	330	2,000	mg/m^3
3031	Sodium tolyltriazole; (1H-Benzotriazole, 4(or 5)-methyl-, sodium salt)	64665-57-2	1.9	21	130	mg/m^3
3032	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	350	1,800	40,000	mg/m^3
3033	Naphtha (petroleum),hydrotreated light	64742-49-0	1,000	11,000	66,000	mg/m^3
3034	Distillates (petroleum) hydrotreated heavy naphthenic	64742-52-5	140	1,500	8,900	mg/m^3
3035	Pump oil; (petroleum distillates, solvent de-waxed heavy paraffinic	64742-65-0	140	1,500	8,900	mg/m^3
3036	Petroleum coke, calcined	64743-05-1	30	330	2,000	mg/m^3
3037	Chlorsulfuron	64902-72-3	3.9	43	260	mg/m^3
3038	Percoll	65455-52-9	30	330	2,000	mg/m^3
3039	Zonyl fsn fluorosurfactant	65545-80-4	41	460	2,700	mg/m^3
3040	Sephacryl s-200, superfine	65546-95-4	30	330	2,000	mg/m^3

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

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3041	Polypropylene glycol, polytetramethylene glycol, 1,3-diisocyanatomethylbenzene polymer	65636-36-4	30	330	2,000	mg/m^3
3042	Modeccin toxin; (Adenia digitata toxin)	65988-88-7	5.40E-06	5.90E-05	3.60E-04	mg/m^3
3043	Coal tar pitch volatiles; (Particulate polycyclic aromatic hydrocarbons)	65996-93-2	0.6	120	700	mg/m^3
3044	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	15	170	990	mg/m^3
3045	Sodium uranate; (Disodium uranate hexahydrate)	66018-57-3	0.94	7.8	47	mg/m^3
3046	Fatty acids, tall-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	66070-62-0	30	330	2,000	mg/m^3
3047	Triphenylolmethane triglycidyl ether	66072-38-6	30	330	2,000	mg/m^3
3048	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	mg/m^3
3049	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	120	1,300	7,900	mg/m^3
3050	Siloxanes and silicones, methyl phenyl; (Silicon Y-6607; Silicone fluid, high temp)	67762-92-9	1.6	17	100	mg/m^3
3051	Poly(melamine-co-formaldehyde), methylated	68002-20-0	44	490	2,900	mg/m^3
3052	Decene, 1-, homopolymer, hydrogenated	68037-01-4	30	330	2,000	mg/m^3
3053	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2	30	330	2,000	mg/m^3
3054	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	120	1,300	7,900	mg/m^3
3055	Methylvinylsiloxane-dimethylsiloxane copolymer, vinyl terminated	68083-18-1	30	330	2,000	mg/m^3
3056	Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated	68083-19-2	48	530	3,200	mg/m^3
3057	Polyurethane prepolymer of MDI and PEP	68092-58-0	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3058	Humic acid, sodium salt	68131-04-4	3	33	200	mg/m^3
3059	Tall oil (alkyd resin)	68333-62-0	30	330	2,000	mg/m^3
3060	Alkanes, C4-C12	68333-81-3	230	385	5,000	ppm
3061	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	mg/m^3
3062	Alkylbenzyldimethyl ammonium chloride, (C12-C18)	68391-01-5	0.61	6.8	60	mg/m^3
3063	C-18 Unsaturated fatty acid, dimers, reaction products with polyethylenepolyamines; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1	30	330	2,000	mg/m^3
3064	Chlorinated polyolefins	68410-99-1	30	330	2,000	mg/m^3
3065	Nonylphenoxypolyethoxyethanol	68412-54-4	30	330	2,000	mg/m^3
3066	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	1.3	14	84	mg/m^3
3067	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6	3.8	42	250	mg/m^3
3068	Lubricating oil, rerefined	68476-77-7	30	330	2,000	mg/m^3
3069	Liquified petroleum gas; (L.P.G.)	68476-85-7	65,000	2.30E+05	4.00E+05	ppm
3070	Alcohols, C6-C12 (N.O.S.)	68603-15-6	30	330	2,000	mg/m^3
3071	Adipic acid, diethylene glycol, trimethylolpropane, phthalic anhydride, toluenediisocyanate polymer, isocyanate terminated	68609-57-4	30	330	2,000	mg/m^3
3072	Alkylbenzene (C10-C16)	68648-87-3	2.3	26	150	mg/m^3
3073	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO; Hydrogenated trimer and tetramer of decene)	68649-12-7	2	22	130	mg/m^3
3074	Alamine 336	68814-95-9	17	180	1,100	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3075	Lithium silicon	68848-64-6	46	500	3,100	mg/m^3
3076	Sodium polyphosphate	68915-31-1	9.2	100	600	mg/m^3
3077	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7	0.067	0.73	4.4	ppm
3078	Vinyl terminated dimethylsiloxane-diphenylsiloxane copolymer	68951-96-2	120	1,300	7,900	mg/m^3
3079	**Polyethylbenzene residue; (Dowtherm Q)**	**68987-42-8**	14	**150**	900	ppm
3080	Zeolites, CaA	68989-20-8	30	330	2,000	mg/m^3
3081	Zeolites, KA	68989-21-9	30	330	2,000	mg/m^3
3082	Zeolites, NaA	68989-22-0	30	330	2,000	mg/m^3
3083	Zeolites, NaX	68989-23-1	30	330	2,000	mg/m^3
3084	Ethoxylated alcohols, C7-C21	68991-48-0	30	330	2,000	mg/m^3
3085	Poly(styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	30	330	2,000	mg/m^3
3086	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (Dowex 50-X8 resin)	69011-20-7	30	330	2,000	mg/m^3
3087	Rexyn I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quaternized, hydroxide)	69011-49-0	30	330	2,000	mg/m^3
3088	Silica, amorphous fume	69012-64-2	45	500	3,000	mg/m^3
3089	Bis[(benzo-15-crown-5)-15-ylmethyl] pimelate	69271-98-3	30	330	2,000	mg/m^3
3090	Dimethyl(polysiloxane); (Polydimethylsiloxane, silanol terminated; Dimethylsiloxane, poly, hydroxy end-blocked)	70131-67-8	190	2,100	13,000	mg/m^3
3091	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	0.0013	0.014	0.085	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3092	**Propylene glycol monomethyl ether acetate, beta-isomer; (2-Methoxypropoyl-1-acetate)**	**70657-70-4**	**50**	**1,000**	**5,000**	ppm
3093	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, chlorides; (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides)	70750-47-9	1.2	13	79	mg/m^3
3094	**Jet fuels, (JP-5 and JP-8) Kerosene (8008-20-6); (Fuel Oil No. 1)**	**70892-10-3**	**290**	**1,100**	4,100	mg/m^3
3095	Poly(dimethylsiloxane), hydride terminated	70900-21-9	30	330	2,000	mg/m^3
3096	Toluene diisocyanate, trimethylolpropane, epsilon-caprolactone polymer, methylated	71342-93-3	30	330	2,000	mg/m^3
3097	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, nitrates (salts); (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates)	71487-00-8	1.2	13	79	mg/m^3
3098	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethanolamine	71808-29-2	30	330	2,000	mg/m^3
3099	Diurethane dimethacrylate	72869-86-4	120	1,300	7,900	mg/m^3
3100	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	0.0013	0.014	0.085	mg/m^3
3101	Peptone; (Hydrolized protein, Tryptones)	73049-73-7	30	330	2,000	mg/m^3
3102	CAPSO	73463-39-5	30	330	2,000	mg/m^3
3103	Sodium aluminum silicate; sodium aluminosilicate (1344-00-9)	73987-94-7	30	330	2,000	mg/m^3
3104	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-(; (Checkmate)	74051-80-2	9.6	110	630	mg/m^3
3105	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6	30	330	2,000	mg/m^3
3106	Shigella, shigatoxin; (shiga-like toxins)	75757-64-1	1.50E-06	1.60E-05	9.70E-05	mg/m^3
3107	Jeffamine M-600	77110-54-4	30	330	2,000	mg/m^3
3108	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1	0.034	0.38	2.3	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3109	Tributyltetradecylphosphonium chloride	81741-28-8	30	330	2,000	mg/m^3
3110	Trimethyl-N'-(hydroxyethyl)-1,3-propanediamine, N,N,N'-; (2-((3-(Dimethylamino)propyl)methylamino)ethanol)	82136-26-3	30	330	2,000	mg/m^3
3111	Sephacryl s-300	82785-74-8	30	330	2,000	mg/m^3
3112	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9	30	330	2,000	mg/m^3
3113	Viscumin; (Mistletoe lectin)	83590-17-4	7.70E-06	8.50E-05	5.10E-04	mg/m^3
3114	Nonyl phenol, 4- (branched)	84852-15-3	0.2	2.3	260	mg/m^3
3115	**Gasoline**	**86290-81-5**	**200**	**1,000**	**4,000**	ppm
3116	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	mg/m^3
3117	Volkensin	91933-11-8	3.70E-07	4.00E-06	2.40E-05	mg/m^3
3118	Cesium metaborate	92141-86-1	6.8	77	460	mg/m^3
3119	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	mg/m^3
3120	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	45	230	1,400	mg/m^3
3121	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	mg/m^3
3122	Trimethyloctane, all isomers; (inlcudes 62016-28-8, 62016-34-6, 62016-37-9, 54166-32-4)	98060-52-7	230	385	5,000	ppm
3123	Tin nitrite	100737-27-7	11	120	710	mg/m^3
3124	Microcystins	101043-37-2	9.00E-04	0.0099	0.048	mg/m^3
3125	**Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)**	**106602-80-6**	**0.17**	**1.0**	**13**	ppm

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3126	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	12	130	810	mg/m^3
3127	Triaryl sulfonium chloride salts	109037-76-5	1.1	12	72	mg/m^3
3128	Silica gel, amorphous synthetic	112926-00-8	18	200	1,200	mg/m^3
3129	Silica, amorphous fumed	112945-52-5	18	100	630	mg/m^3
3130	Sodium hypophosphite hydrate	123333-67-5	5.2	57	340	mg/m^3
3131	Nonylphenol, 4-, branched, ethoxylated	127087-87-0	30	330	2,000	mg/m^3
3132	Sodium uranyl carbonate	128578-60-9	2.5	20	120	mg/m^3
3133	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	36	400	500	ppm
3134	Epibatidine	140111-52-0	1.00E-04	0.0011	0.0068	mg/m^3
3135	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7	0.1	0.2	3.2	mg/m^3
3136	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8	0.11	0.21	3.4	mg/m^3
3137	Conotoxins (α)	156467-85-5	0.2	2.2	13	mg/m^3
3138	Cs7SB; (1-(2,2,3,3-Tetrafluoropropoxy)-3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	33	370	2,200	mg/m^3
3139	Tetanus toxin	676570-37-9	6.60E-09	7.20E-08	4.30E-07	mg/m^3
3140	Ammonium hexachlorohydrate (III)	z-0001	30	330	2,000	mg/m^3
3141	Butyl bis(2-ethylhexyl)phosphate	z-0002	0.96	11	63	ppm
3142	Cerous nitrite	z-0004	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3143	Chlorine Hi dry granular (as Cl)	z-0006	0.5	2	20	ppm
3144	Chloropicrin/Methyl chloride mixture	z-0007	0.05	0.15	1.4	mg/m^3
3145	Dibutyl (2-ethylhexyl)phosphate	z-0011	21	230	1,400	ppm
3146	Dipotassium cadmium oxide	z-0013	0.2	1.5	9.3	mg/m^3
3147	Dipotassium dihydrogen silicate	z-0014	30	330	2,000	mg/m^3
3148	Disodium cadmium oxide	z-0016	0.17	1.3	8	mg/m^3
3149	Disodium dihydrogen silicate	z-0017	30	330	2,000	mg/m^3
3150	Ecolite	z-0018	16	170	1,000	mg/m^3
3151	Ethyl (or dimethyl) pyrrolidine	z-0020	30	330	2,000	mg/m^3
3152	Gadolinium nitrite	z-0022	30	330	2,000	mg/m^3
3153	Germanous acid	z-0023	30	330	2,000	mg/m^3
3154	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	6	8.3	50	mg/m^3
3155	Lanthanum alizarin	z-0026	30	330	2,000	mg/m^3
3156	Leco set 7007 powder	z-0027	30	330	2,000	mg/m^3
3157	Mineral fibers, fine	z-0032	30	330	2,000	mg/m^3
3158	Neodymium nitrite	z-0033	30	330	2,000	mg/m^3
3159	Norchlorofluoroepibatidine	z-0034	1.2	13	79	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3160	Oil gas; (Oil fog)	z-0035	13	140	860	ppm
3161	Organorhodium complex	z-0036	0.087	0.8	4.8	mg/m^3
3162	PBX (mixture of HMX and nitrocellulose [CTN])	z-0038	30	330	2,000	mg/m^3
3163	Permafluor E+	z-0039	140	360	2,200	mg/m^3
3164	Permafluor-V (85+% toluene)	z-0040	67	560	3,700	ppm
3165	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	13	140	860	mg/m^3
3166	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl))	z-0043	0.41	4.5	260	mg/m^3
3167	Potassium aluminite	z-0044	30	330	2,000	mg/m^3
3168	Potassium antimonite	z-0045	2.8	25	150	mg/m^3
3169	Potassium argentate	z-0046	0.05	0.56	3.4	mg/m^3
3170	Potassium beryllium oxide	z-0047	0.018	0.2	0.8	mg/m^3
3171	Potassium cadminate	z-0048	0.23	1.7	11	mg/m^3
3172	Potassium hydrogen lead oxide	z-0049	0.2	160	940	mg/m^3
3173	Potassium hydrogen pyrophosphate	z-0050	54	600	1,100	mg/m^3
3174	Potassium hydrogen metasilicate	z-0051	30	330	2,000	mg/m^3
3175	Potassium iminodiacetate; (Potassium IDA)	z-0052	3.9	44	260	ppm
3176	Potassium lanthanate	z-0053	30	330	2,000	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3177	Potassium nickelate	z-0055	1	12	69	mg/m^3
3178	Potassium trihydrogen silicate	z-0058	30	330	2,000	mg/m^3
3179	Sodium antimonite	z-0061	2.6	23	140	mg/m^3
3180	Sodium argentate	z-0062	0.046	0.5	3	mg/m^3
3181	Sodium beryllium oxide	z-0063	0.014	0.16	0.62	mg/m^3
3182	Sodium butyl (2-ethylhexyl)phosphate	z-0064	13	140	860	mg/m^3
3183	Sodium butyl butylphosphonate	z-0065	0.017	0.19	1.1	mg/m^3
3184	Sodium cadminate	z-0066	0.4	3	9.5	mg/m^3
3185	Sodium hydrogen lead oxide	z-0067	0.19	150	890	mg/m^3
3186	Sodium hydrogen metasilicate	z-0068	3.1	34	210	mg/m^3
3187	Sodium hydrogen pyrophosphate	z-0069	4.7	52	320	mg/m^3
3188	Sodium lanthanate	z-0070	30	330	2,000	mg/m^3
3189	Sodium nickelate	z-0073	0.88	9.6	57	mg/m^3
3190	Sodium trihydrogen silicate	z-0076	30	330	2,000	mg/m^3
3191	Thorium nitrite	z-0079	30	330	2,000	mg/m^3
3192	Titanium-based alloy; (Titanium compounds)	z-0081	30	330	2,000	mg/m^3
3193	Uranyl nitrite (liquids)	z-0087	0.91	5	30	mg/m^3

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Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3194	Zirconium nitrite	z-0088	30	250	1,500	mg/m^3
3195	Zirconium silane	z-0089	16	140	810	mg/m^3
3196	zzAcrylic latex	z-0090	30	330	2,000	mg/m^3
3197	zzAlumination 301	z-0091	30	330	2,000	mg/m^3
3198	zzHydranal coulomat / AG	z-0092	30	330	2,000	mg/m^3
3199	zzHydrocarbon polymer	z-0093	30	330	2,000	mg/m^3
3200	zzHydrocount(R), LSC cocktail	z-0094	30	330	2,000	mg/m^3
3201	zzIconol(R)	z-0095	30	330	2,000	mg/m^3
3202	zzMonophase- S	z-0097	30	330	2,000	mg/m^3
3203	zzMornar	z-0098	30	330	2,000	mg/m^3
3204	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphosphate)	z-0099	1.2	13	79	mg/m^3
3205	zzPropanol (-2) aluminum derivative	z-0101	6	66	400	mg/m^3
3206	zzScintillation cocktail, Ultima Gold XR	z-0102	1.2	13	79	mg/m^3
3207	zzSicapent	z-0103	30	330	2,000	mg/m^3
3208	zzSynthetic resins	z-0104	30	330	2,000	mg/m^3
3209	zzTotal sequestrant reagent #5	z-0105	30	330	2,000	mg/m^3
3210	zzTrifluoroacetyl)-N,O,O,O-tetrakis((TMS)norepinephrine, N-(	z-0106	1.2	13	79	mg/m^3

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 3: Protective Action Criteria (PAC) Rev. 28A
Based on applicable 60-minute AEGLs, ERPGs, or TEELs (Chemicals listed by CASRN)

No.	Chemical Name	CASRN	PACs based on AEGLs, ERPGs, or TEELs			
			PAC-1	PAC-2	PAC-3	Units
3211	zzWaste oil	z-0107	30	330	2,000	mg/m^3
3212	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108	1.5	17	99	mg/m^3
3213	Alkyl benzenes (C8-C9)	z-0109	30	330	2,000	mg/m^3
3214	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b))	z-0110	30	330	2,000	mg/m^3
3215	Aromatic isocyanate mixture "SWD 305A"	z-0111	0.15	3.6	22	mg/m^3
3216	Polyether polyol ester	z-0112	7.9	87	520	mg/m^3
3217	Isonate 181 MDI prepolymer	z-0113	0.45	5.5	55	mg/m^3
3218	Benzenesulfonic acid, 5-chloro-2	z-0114	1.5	17	99	mg/m^3
3219	Polyisocyanate prepolymer	z-0115	0.45	5	55	mg/m^3
3220	**Magnesium aluminum phosphide**	**z-0116**	0.061	**0.67**	**1.2**	ppm
3221	Red Arrow Insect Spray	z-0117	30	330	2,000	mg/m^3
3222	Succinimidyl-6-(beta-maleimidopropionamido)hexanoate; (SMPH)	z-0120	30	330	2,000	mg/m^3
3223	Cube Resin other than Rotenone	z-0122	30	330	2,000	mg/m^3
3224	**Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)**	**163702-07-6 163702-08-7**	**2500**	**8,200**	**15,000**	ppm

Compounds with unknown CASRNs are issued a “z-number” for identification purposes.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.