

Table 4: Protective Action Criteria (PAC) Rev 26 based on applicable 60-minute AEGLs, ERPGs, or TEELs. The chemicals are listed in alphabetical order and the values are presented in mg/m³. September 2010

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

The columns presented in Table 4 provide the following information:

Heading	Definition
No.	The ordered numbering of the chemicals as they appear in this alphabetical listing
Chemical Name	The name of the chemical substance submitted to the PAC development team
CASRN	The Chemical Abstract Service Registry Number ¹ for this chemical
TEEL-0	This is the threshold concentration below which most people will experience no adverse health effects. This value is always referred to as a TEEL-0 because AEGL-0 and ERPG-0 values do not exist.
PAC-1	Based on the applicable AEGL-1, ERPG-1, or TEEL-1 value
PAC-2	Based on the applicable AEGL-2, ERPG-2, or TEEL-2 value
PAC-3	Based on the applicable AEGL-3, ERPG-3, or TEEL-3 value
Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3	Technical comments are provided by the PAC development team, indicating the source of the data used to derive PAC values. On-going efforts include reviewing, revising, and enhancing this information.

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

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

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

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1	Acacia; (Gum arabic)	9000-01-5	200	500	500	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, and rat oral LD50 min exceeds 500 mg/m ³ max
2	Acenaphthene	83-32-9	0.4	1.25	7.5	250	TEEL-1/3, TEEL-2/7, rat TCLo, rat ip LD50
3	Acenaphthylene	208-96-8	0.06	0.2	1.5	500	TEEL-1/3, TEEL-2/7, rat TCLo, rat intraperitoneal exceeds 500 mg/m ³ max
4	Acetaldehyde	75-07-0	40	81	486	1,510	TLV-C, AEGL-1, AEGL-2, AEGL-3
5	Acetamide	60-35-5	25	75	500	500	TEEL-1/3, TEEL-2/7, rabbit oral TDLo and rat oral LD50 exceeds 500 mg/m ³ max
6	Acetanilide	103-84-4	0.4	1	7.5	50	TEEL-1/3, TEEL-2/7, human oral TDLo, human oral LDLo
7	Acetic acid	64-19-7	12	12	86	610	PAC-1, ERPG-1, ERPG-2, ERPG-3
8	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenylloxy) butane and ethenol	27360-07-2	10	30	50	250	Used PNOS default
9	Acetic acid, 2-propenyl ester	591-87-7	2	6	40	200	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat 60-min LC50
10	Acetic acid, lithium salt	546-89-4	12.5	35	250	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse oral LDLo
11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	4.46	13.4	22.3	500	REL-TWA, REL-STEL, PEL-C, IDLH
12	Acetic acid, manganese(II) salt (2:1)	638-38-0	3.15	9.45	15.7	500	REL-TWA, REL-STEL, PEL-C, IDLH
13	Acetic anhydride	108-24-7	2.09	2.09	62.6	417	PAC-1, ERPG-1, ERPG-2, ERPG-3
14	Acetone	67-64-1	475	475	7,600	13,500	PAC-1, AEGL-1, AEGL-2, AEGL-3
15	Acetone thiosemicarbazide	1752-30-3	20	60	100	100	PAC-2/5, PAC-2*3/5, LOC, PAC-2
16	Acetone-d6	666-52-4	500	500	7,500	15,000	Used Acetone (CASRN 67-64-1) PAC values
17	Acetonitrile	75-05-8	21.8	21.8	537	1,120	PAC-1, AEGL-1, AEGL-2, AEGL-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
18	Acetonitrile-d3	2206-26-0	20	20	600	1,250	Used Acetonitrile (CASRN 75-05-8) PAC values
19	Acetophenone	98-86-2	10	10	60	200	TLV-TWA, TLV-TWA, rat TClO, mouse 240 min LC50
20	Acetoxytriphenylstannane	900-95-8	0.345	0.689	20	86.2	TLV-TWA, TLV-STEL, LOC, IDLH (Sn)
21	Acetyl bromide	506-96-7	1	3	20	100	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse ip LD50
22	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	7.5	25	200	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
23	Acetyl chloride	75-36-5	0.0075	0.02	0.15	400	TEEL-1/3, TEEL-2/7, human TClO, rat oral LD50
24	Acetyl triethyl citrate	77-89-4	6	20	125	500	TEEL-1/3, TEEL-2/7, mouse ip TDLo, rat oral LD50 exceeds 500 mg/m ³ max
25	Acetylaminofluorene, 2-	53-96-3	2.5	7.5	50	350	TEEL-1/3, TEEL-2/7, rat oral TDLo, mouse oral LD50
26	Acetylaminofluorenone, 2-	3096-50-2	0.75	2.5	15	75	TEEL-1/3, TEEL-2/7, rat oral TDLo, TEEL-2*5
27	Acetylene	74-86-2	125	350	2,500	6,000	TEEL-1/3, PAC-2/7, REL-C, human LCLo
28	Acrolein	107-02-8	0.0687	0.0687	0.229	3.21	PAC-1, AEGL-1, AEGL-2, AEGL-3
29	Acrylamide	79-06-1	0.03	15	60	60	TLV-TWA, PAC-3, PAC-3, IDLH
30	Acrylamide, N,N'-methylenebisacrylamide copolymer	25034-58-6	10	30	50	250	Used PNOS default
31	Acrylic acid	79-10-7	4.42	4.42	135	530	PAC-1, AEGL-1, AEGL-2, AEGL-3
32	Acrylic acid polymers; (Acrylic polymer or resin)	9003-01-4	10	30	200	500	T-3/105, T-3/35, T-3/5, rat oral LD50
33	Acrylonitrile	107-13-1	4	22	76	163	PEL-TWA, ERPG-1, ERPG-2, ERPG-3
34	Acrylyl chloride; (Acryloyl chloride)	814-68-6	0.15	0.5	0.899	35	T-2/5, T-2*3/5, LOC, mouse LC50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
35	Adamsite; (Phenarsazine chloride)	578-94-9	0.016	0.016	2.6	6.40	PAC-1, AEGL-1, AEGL-2, AEGL-3
36	Adipic acid	124-04-9	5	5	5	125	TLV-TWA, T-0, T-0, rat ip LD50
37	Adipic acid, diethylene glycol, trimethylolpropane, phthalic anhydride, toluenediisocyanate polymer, isocyanate terminated	68609-57-4	10	30	50	250	Used PNOS default
38	Adiponitrile	111-69-3	7.5	15	17	750	TLV-TWA, T-2, LOC, rat 240 min LC50
39	Aerosol, A-102; (Poly(oxy-1,2-ethanediyl), alpha-(3-carboxy-1-oxo-3-sulfopropyl)-omega-(dodecyloxy)-, disodium salt)	39354-45-5	125	400	500	500	T-3/105, T-3/35, T-3/5, rat oral LD50
40	Agar	9002-18-0	500	500	500	500	T-2/21, T-2/7, rat 4 week oral TDlo, rat oral LD50
41	Agarose, type VII (low gelling temperature); (Sephacrose)	9012-36-6	10	30	50	250	Used PNOS default
42	Alamine 336	68814-95-9	20	60	500	500	T-3/105, T-3/35, T-3/5, rat LD50
43	Albumin (bovine)	9048-46-8	150	500	500	500	T-2/35, T-3/7, rat iv 90 day TDlo, rat iv LDlo
44	Alcohol oxidase	9073-63-6	10	30	50	250	Used PNOS default
45	Alcohols, C6-C12 (N.O.S.)	68603-15-6	10	30	50	250	Default TLV-TWA for chemical class
46	Aldrin; (1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo,exo-5,8-dimethanonaphthalene)	309-00-2	0.05	1.5	10	25	TLV-TWA, TEEL-2/7, LOC, IDLH
47	Aldrithiol-2; (2,2'-Dithiodipyridine)	2127-03-9	10	30	50	250	Used PNOS default
48	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4	30	75	500	500	T-3/105, T-3/35, T-3/5, rat LClo
49	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	1.25	4	25	125	TEEL-3/105, TEEL-3/35, TEEL-3/5, wild bird oral LD50

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font. The "Source of PACs" column is under construction.

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
50	Alizarine Red S, Monohydrate; (Sodium alizarin 3-sulfonate)	130-22-3	0.6	1.5	12.5	60	T-3/105, T-3/35, T-3/5, mouse intravenous LD50
51	Alkanes, C4-C12	68333-81-3	1,250	1,250	1,500	4,000	TLV-TWA, P-2, REL-C, IDLH
52	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108	2	6	40	200	P-3/105, P-3/35, P-3/5, rat oral LD50
53	Alkyl benzenes (C8-C9)	z-0109	10	30	50	250	Default TLV-TWA for chemical class
54	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5	7.5	20	100	100	T-2/21, T-2/7, Woman oral TDlo, rat oral LD50
55	Alkylamines	63231-48-1	10	30	50	250	Used PNOS default
56	Alkylbenzene (C10-C16)	68648-87-3	75	250	500	500	T-2/21, T-2/5, rat oral TDlo, rabbit skin LDlo
57	Alkylbenzyl dimethyl ammonium chloride, (C12-C18)	68391-01-5	1.25	3.5	25	125	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
58	Allene; (1,2-Propadiene)	463-49-0	60	200	1,250	6,000	Default LC50 based on HR
59	Allyl alcohol	107-18-6	4	12.1	30.9	95	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
60	Allyl Bromide; (3-Bromopropene)	106-95-6	20	60	400	2,000	Rat LC50
61	Allyl chloride	107-05-1	3	8.76	169	438	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
62	Allyl chlorocarbonate	2937-50-0	0.15	0.5	3.45	10.3	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
63	Allyl isothiocyanate; (Mustard oil)	57-06-7	1.25	4	50	50	PAC-1/3, WEEL-STEL, PAC-3, Rat LD50
64	Allylamine	107-11-9	0.3	0.98	7.7	42	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
65	Allylmagnesium bromide	1730-25-2	10	30	50	250	PNOS default used
66	Allyltrichlorosilane	107-37-9	1.5	4.3	52.4	237	PAC-1/3, AEGL-1, AEGL-2, AEGL-3

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			TEEL-0	PAC-1	PAC-2	PAC-3	
67	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	125	350	500	500	TEEL-1/3, TEEL-2/7, Rat oral TDLo and LD50
68	Alpha-hydroxybenzeneacetic acid, (+)-; (DL-mandelic acid)	611-72-3	15	50	350	500	Normal Mandelic acid rat oral LD50
69	Aluminon	569-58-4	0.0004	0.00125	0.0075	500	Human male 60 day repro TDLo, rat oral LD50
70	Aluminum	7429-90-5	1	3	12.5	60	TLV-TWA, TLV-TWA*3, hm TCLo, 5*TEEL-2
71	Aluminum acetate, basic	7360-44-3	8.9	26.7	44.5	200	Aluminum soluble salts TLV-TWA
72	Aluminum carbide	1299-86-1	1	3	5	25	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
73	Aluminum chloride	7446-70-0	9.88	9.88	60	500	REL-TWA, rat 60 day oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
74	Aluminum chloride hexahydrate	7784-13-6	17.9	25	150	500	REL-TWA, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
75	Aluminum fluoride	7784-18-1	6.23	6.23	10	500	REL-TWA, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
76	Aluminum grey LB; (Acid black 60)	12218-95-0	8.44	25.3	42.2	422	Cr(III) TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
77	Aluminum hexafluorosilicate	17099-70-6	3.51	10.5	17.6	351	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
78	Aluminum hydroxide	21645-51-2	1	3	125	125	TLV-TWA, TEEL-0*3, TEEL-3, rat ip LDLo
79	Aluminum oxide hydrate	1333-84-2	1	1.5	15	25	Used Alumina (1344-28-2) PAC values
80	Aluminum oxide; (Alumina)	1344-28-1	1	1.5	15	25	TLV-TWA, REL-STEL, EEGL-60 min, EEGL-30 min
81	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7	1	100	500	500	TLV-TWA, TEEL-3, TEEL-3/35 and rat oral LDLo exceed 500 mg/m ³ max
82	Aluminum phosphide	20859-73-8	1	1	4.74	8.53	TLV-TWA, TEEL-0, AEGL-2, AEGL-3
83	Aluminum potassium sulfate	10043-67-1	19.1	57.4	95.7	100	REL-TWA, TEEL-0*3, TEEL-0*5, TEEL-2*5

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			TEEL-0	PAC-1	PAC-2	PAC-3	
84	Aluminum potassium sulfate, dodecahydrate	7784-24-9	35.2	105	176	500	REL-TWA, TEEL-0*3, TEEL-0*5, TEEL-2*5 exceeds 500 mg/m ³ max
85	Aluminum sulfate	10043-01-3	12.7	12.7	12.7	150	REL-TWA, TEEL-0, TEEL-0, rat oral LD50
86	Aluminum tris(dihydrogen phosphate); (Phosphoric acid, aluminum salt (3:1))	13530-50-2	1	3	5	25	TLV-TWA TEEL-0, TEEL-0, TEEL-3/5
87	Aluminum yellow 4A; (Acid yellow 99)	10343-58-5	4.97	14.9	25	249	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
88	Aluminum(III) isopropylate	555-31-7	1	3	5	500	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50 exceeds 500 mg/m ³ max
89	Aluminum(III) nitrate (1:3)	13473-90-0	15.8	15.8	15.8	75	REL-TWA, TEEL-0, rat uk TDLo, rat oral LD50
90	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	27.8	27.8	150	500	REL-TWA, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
91	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	1	3	40	200	TLV-TWA, TLV-TWA*3, mammal TCLo, TEEL-2*5
92	Amberlite IR-120(PLUS) ion-exchange resin	78922-04-0	2	6	40	200	TEEL-3/105, TEEL-3/35, TEEL-3/5, Amberlite-LA 1 rat ip LD50
93	Amberlite IR-120plus ion-exchange resin, sodium form; (Cation exchange resin)	9002-23-7	2	6	40	200	TEEL-3/105, TEEL-3/35, TEEL-3/5, Amberlite-LA 1 rat ip LD50
94	Amberlite IRA-400(CI); (Amberlite IRA-400, ion-exchange resin)	9002-24-8	10	30	50	250	Used PNOS default
95	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8	10	30	50	250	Used PNOS default
96	Amberlite MB-1 ion-exchange resin; (Amberlite MB-150)	100915-96-6	20	60	400	500	TEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
97	Amberlite XAD-16 resin	104219-63-8	20	60	400	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
98	Amberlite XAD-2 resin, purified	9060-05-3	10	30	50	250	PNOS TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
99	Amberlite XAD-7HP	37380-43-1	10	30	50	250	PNOS TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
100	Amberlyst 15 ion-exchange resin	9037-24-5	10	30	50	250	PNOS TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25

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			TEEL-0	PAC-1	PAC-2	PAC-3	
101	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	3.5	10	75	400	Mouse 8W ip TDlo
102	Amino-1-propanol, 3-	156-87-6	0.015	0.04	0.3	500	Rat oral LD50
103	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	25	75	500	500	Rat oral LD50
104	Amino-2-methyl-2-propanol, 1-	2854-16-2	125	400	500	500	TEEL-1/3, TEEL-2/7, TEEL-3, mouse LCLo exceeded 500 mg/m ³ max
105	Amino-4,6-dinitrotoluene, 2-	35572-78-2	6	15	125	500	Rat oral LD50
106	Aminoacetaldehyde diethyl acetal; (2,2-Diethoxyethylamine)	645-36-3	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, estimated rat oral LD50 exceeded 500 mg/m ³ max
107	Aminoacetaldehyde dimethyl acetal; (2,2-Dimethoxyethylamine)	22483-09-6	10	30	50	250	PNOS default used
108	Aminoanthraquinone, 2-	117-79-3	7.5	25	150	500	Rat 78W ip TDlo, rat ip LD50
109	Aminobenzoic acid, p-	150-13-0	5	15	100	500	WEEL-TWA, Rat 22 day TDlo preg, rat oral LD50
110	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	2	6	45	45	TEEL-2/21, TEEL-2/7, LOC, TEEL-2
111	Aminodiphenyl, p-	92-67-1	3.5	10	60	200	TEEL-1/3, TEEL-2/7, mouse oral TDlo, rat oral LD50
112	Aminoethoxy)ethanol, 2-(2-	929-06-6	12.5	35	250	500	Rat oral LD50
113	Aminoethyl)diphenylborinic acid, o-(2-; (Diphenylboronic acid, ethanolamine ester)	524-95-8	0.4	1.25	10	50	TEEL-3/105, TEEL-3/35, TEEL-3/5, Mouse iv LD50
114	Aminoethylethanolamine	111-41-1	12.5	35	250	500	Rat oral LD50
115	Aminoethylpiperazine, N-	140-31-8	2.5	7.5	50	500	TEEL-2/21, TEEL-2/7, rat male 28D pre TDlo, rat oral LD50
116	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	0.3	0.75	6	30	Mouse ip LD50
117	Aminoiminomethyl)urea sulfate(2:1), (591-01-5	10	30	50	250	Used PNOS default

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			TEEL-0	PAC-1	PAC-2	PAC-3	
118	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	0.5	1.5	10	500	Ham ip TDlo, rat oral LD50
119	Aminophenol, m-	591-27-5	1	3	20	125	Rat 17 week TClo, rat oral LD50
120	Aminopropiophenone, 4-	70-69-9	1	3.5	5.6	75	LOC, rat oral LD50
121	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	15	50	400	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, Rat oral LD50
122	Aminopropyltriethoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	6	15	125	500	Rat TClo, rat LD50
123	Aminopterin; (Aminopteridine)	54-62-6	5	15	25	25	TEEL-1/3, TEEL-2*3/5, LOC, LOC
124	Aminopyrazine	5049-61-6	2	6	10	20	SAR
125	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	4	12.5	20	20	LOC, human LDlo
126	Amiton oxalate	3734-97-2	0.6	1.5	3	3	LOC, rat oral LD50
127	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	0.6	2	3.3	3.3	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
128	Amitrole	61-82-5	0.2	0.6	75	500	TLV-TWA, TEEL-0*3, rat oral TDlo, rat oral LD50
129	Ammonia	7664-41-7	15	20.9	111	766	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
130	Ammonia-d3	13550-49-7	20	25	125	750	Used Ammonia (7664-41-7) PAC values
131	Ammonium acetate	631-61-8	2.5	7.5	50	250	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat ip LD50
132	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	4.28	12.5	75	428	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
133	Ammonium benzoate	1863-63-4	3.5	10	75	350	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
134	Ammonium bicarbonate	1066-33-7	2	6	40	200	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse iv LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
135	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	0.025	0.075	0.5	2.5	TEEL-2/21, TEEL-2/7, rabbit 60 min TClo, TEEL-2*5
136	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	10	30	50	250	Used PNOS default
137	Ammonium bromide	12124-97-9	10	35	200	500	Rat oral LD50
138	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	0.3	1	6	35	Rat iv LD50
139	Ammonium carbonate	506-87-6	0.75	2.5	15	75	Mouse iv LD50
140	Ammonium chloride	12125-02-9	10	20	500	500	TLV-TWA & STEL, rat oral LD50
141	Ammonium chromate	7788-98-9	0.0146	1.25	7.5	43.9	Cr(VI) PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
142	Ammonium citrate	7632-50-0	1.25	4	30	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
143	Ammonium citrate tribasic	3458-72-8	1.5	5	35	185	PAC values based on ammonium citrate
144	Ammonium citrate, dibasic	3012-65-5	2	6	40	200	PAC values based on ammonium citrate
145	Ammonium dichromate	7789-09-5	0.0121	1	7.5	36.4	Cr(VI) PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
146	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	15	50	350	500	Rat oral LD50, based on other ammonium phosphates
147	Ammonium ferrous sulfate hexahydrate	7783-85-9	3.19	9.56	15.9	500	Fe exposure limits, rat oral LD50
148	Ammonium fluoborate	13826-83-0	3.45	3.45	6	345	F TLV-TWA, human TClo and LClo, IDLH
149	Ammonium fluoride	12125-01-8	4.88	4.88	4.88	488	F TLV-TWA, rat TClo, IDLH
150	Ammonium formate	540-69-2	7.5	25	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse oral LD50
151	Ammonium hexachlorohydrate (III)	z-0001	10	30	50	250	Used PNOS default

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
152	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	3.91	11.7	20	391	F exposure limits, IDLH
153	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	3.75	10	75	375	PEL-TWA, T-3/35, T-3/5, IDLH
154	Ammonium hydrogen oxalate hemihydrate	37541-72-3	7.5	25	150	500	Estimated rat oral LD50
155	Ammonium hydroxide	1336-21-6	2.5	7.5	60	150	TEEL-2/21, TEEL-2/7, human TClo, human inhalation LClo
156	Ammonium iodide	12027-06-4	4	12.5	75	400	Human oral LDlo ex HSDB
157	Ammonium lactate	515-98-0	10	35	200	500	PAC-2/21, PAC-2/7, cattle oral TDlo, PAC-2*5
158	Ammonium lignin sulfonate	8061-53-8	10	30	50	250	Used PNOS default
159	Ammonium molybdate(VI) tetrahydrate	12054-85-2	0.92	2.76	4.6	150	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
160	Ammonium molybdate; (Diammonium molybdate)	13106-76-8	30.7	61.3	102	300	PEL-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
161	Ammonium molybdophosphate	12026-66-3	0.815	2.44	4.07	500	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
162	Ammonium nickel sulfate	15699-18-0	0.489	1.47	2.5	48.9	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
163	Ammonium nitrate	6484-52-2	0.015	0.04	0.3	500	PAC-2/21, PAC-2/7, rat oral TDlo, rat oral LD50
164	Ammonium oxalate monohydrate	5972-73-6	1.5	4	30	150	Rat oral LD50
165	Ammonium oxalate; (Diammonium oxalate monohydrate)	6009-70-7	1.5	4	30	150	Rat oral LD50
166	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	0.15	0.5	4	20	Rat oral TDlo
167	Ammonium pentaborate	12007-89-5	10	30	50	250	Used PNOS default
168	Ammonium perchlorate	7790-98-9	5	15	100	500	TEEL-2/21, TEEL-2/7, rabbit oral TDlo, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
169	Ammonium permanganate	13446-10-1	0.2	3	5	500	TLV-TWA, REL-STEL, PEL-C, IDLH
170	Ammonium persulfate	7727-54-0	0.1	2.5	20	100	TLV-TWA, rat ip LD50
171	Ammonium phosphate dibasic	7783-28-0	10	30	50	250	Used PNOS default
172	Ammonium picrate	131-74-8	10	30	50	250	Used PNOS default
173	Ammonium polyacrylate	9003-03-6	10	30	50	250	Used PNOS default
174	Ammonium sulfamate	7773-06-0	15	50	350	500	PEL-TWA, TLV-TEEL-2/7, rat oral TDLo, IDLH
175	Ammonium sulfate	7783-20-2	40	125	500	500	Human oral TDLo, rat oral LD50
176	Ammonium sulfide	12135-76-1	7.5	25	40	40	Human 30 min TClo, human 30 min LClo
177	Ammonium sulfite	10196-04-0	10	10	10	10	Used PNOS default
178	Ammonium sulfite monohydrate	7783-11-1	10	30	50	250	PNOS default used, irritation ignored
179	Ammonium tartrate; (Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, ammonium salt)	14307-43-8	10	30	50	250	Used PNOS default
180	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	1.5	5	40	200	TEEL-1/3, TEEL-2/5, T-3/5, rabbit subcutaneous LD50
181	Ammonium thiocyanate	1762-95-4	12.5	35	200	200	Human oral TDLo, mouse oral LD50
182	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	7.5	25	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 240 min LClo
183	Ammonium tungstate(VI)	11120-25-5	1.38	4.14	4.14	4.14	TLV-TWA, TLV-STEL
184	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	0.0322	0.4	3.22	22.5	TLV-TWA, TEEL-2/7, PEL-C, IDLH
185	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	0.035	0.1	0.75	150	Mousw ip TDLo, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
186	Ammonium, tetraethyl-, bromide; (Tetraethyl ammonium bromide)	71-91-0	1.25	4	30	40	PAC-2/21, PAC-2/7, mouse ip TDlo, rat ip LD50
187	Ammonium, tetramethyl-, bromide; (Tetramethylammonium bromide)	64-20-0	0.2	0.6	4	20	Rat oral LD50
188	Amosite	12172-73-5	0.005	0.05	20	100	PEL-TWA, PEL-STEL, rat TClo, TEEL-2*5
189	Amphetamine; (Benzedrine)	300-62-9	4	12.5	20	20	LOC, human LDlo
190	Amyl acetate	628-63-7	500	500	500	5,000	PEL-TWA, TLV-STEL, human TClo, IDLH
191	Amyl alcohol; (1-Pentanol)	71-41-0	75	75	75	125	MAK-TWA, TEEL-0, human TClo, human oral LDlo
192	Amyl methyl ether, tert-; (TAME)	994-05-8	75	600	600	600	TLV-TWA, rat 360 min TClo preg, rat LD50 minimum
193	Amylamine, n-; (1-Pentylamine)	110-58-7	0.3	0.75	6	30	Rat ip LDlo
194	Amyltrichlorosilane; (Pentyltrichlorosilane)	107-72-2	1.5	5.04	61.3	277	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
195	Anhydron; (Magnesium perchlorate)	10034-81-8	6	15	125	500	Rat oral LD50
196	Aniline	62-53-3	20	30.4	45.7	76.1	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
197	Anisidine, o-	90-04-0	0.5	1.5	10	50	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
198	Anisidine, p-	104-94-9	0.5	1.5	30	50	PEL-TWA, TEEL-0*3, rat TClo, IDLH
199	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	4	12.5	75	400	Mouse 120 min LC50
200	Anthracene	120-12-7	1.5	4	30	500	TEEL-1/3, TEEL-2/7, rat oral TDlo, mouse oral LD50
201	Anthracenedisulfonic acid, 4,8-diamino-9,10-dihydro-1,5-dihydroxy-9,10-dioxo, disodium salt, 2,6-; (Acid Blue 45; Alizarine Blue)	2861-02-1	12.5	35	250	500	Mouse oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
202	Anthranilic acid	118-92-3	4	12.5	100	500	Mouse preg sc TDlo, rat oral LD50
203	Anthraquinone	84-65-1	5	15	100	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 240 min LC50
204	Antimony	7440-36-0	0.5	1.5	20	50	PEL-TWA, TEEL-0*3 human TClo, IDLH
205	Antimony hydroxide	39349-74-1	0.71	2	12.5	71	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
206	Antimony oxide	1309-64-4	0.599	0.599	2	59.9	As Sb, PEL-TWA, TEEL-0, rat TCLo, IDLH
207	Antimony pentachloride	7647-18-9	1.23	3.68	6.14	123	As Sb, PEL-TWA, IDLH
208	Antimony pentafluoride	7783-70-2	0.89	0.89	2.7	89	As Sb, PEL-TWA, LOC, IDLH
209	Antimony pentasulfide	1315-04-4	0.829	2.49	4.15	82.9	As Sb, PEL-TWA, IDLH
210	Antimony potassium tartrate trihydrate	28300-74-5	1.37	4.11	6.86	137	As Sb, PEL-TWA, IDLH
211	Antimony trichloride	10025-91-9	0.937	1	7.5	93.7	As Sb, PEL-TWA, TEEL-2/7, human TCLo, IDLH
212	Antimony trifluoride	7783-56-4	0.734	0.734	4	73.4	As Sb, PEL-TWA, IDLH
213	Antimycin A	1397-94-0	0.35	1	1.8	12.5	LOC, rat oral LD50
214	Antioxidant G-16 (most toxic antioxidant)	61373-87-3	1.25	3.5	25	125	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse ip LD50
215	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	2	4	75	400	HCl and HNO ₃ exposure limits
216	Arginine, L-	74-79-3	10	30	50	250	Used PNOS default
217	Argon	7440-37-1	1.00E+05	1.00E+05	3.50E+05	6.00E+05	Simple asphyxiant
218	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic)	64742-95-6	1,000	3,000	3,500	3,500	TEEL-2/21, TEEL-2/7, TEEL-3, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
219	Aromatic isocyanate mixture "SWD 305A"	z-0111	1.25	4	20	125	Calculated from mixture ingredients
220	Arsenic	7440-38-2	0.01	0.35	2	5	PEL-TWA, PAC-2/7, child oral TDLo, IDLH
221	Arsenic acid; (o-Arsenic acid)	7778-39-4	0.0189	0.4	3	9.5	PEL-TWA, TEEL-2/7, pregnant rat intraperitoneal TDLo, IDLH
222	Arsenic pentoxide	1303-28-2	0.0153	1	7.7	7.7	TLV-TWA, TEEL-2/7, TEEL-3, IDLH
223	Arsenic trioxide	1327-53-3	0.0132	0.4	3.0	9.1	TLV-TWA, PAC-2/7, AEGL-2, AEGL-3
224	Arsenous acid	13464-58-9	0.0168	0.25	1.5	8.4	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
225	Arsenous trichloride	7784-34-1	0.15	1.5	10	75	PEL-TWA, TEEL-2/7, LOC, IDLH
226	Arsine	7784-42-1	0.015	0.075	0.542	1.59	TLV-TWA, PAC-2/7, AEGL-2, AEGL-3
227	Asbestos	1332-21-4	0.005	0.05	0.06	0.3	PEL-TWA, PEL-STEL, human TCLo, TEEL-2*5
228	Asbestos (Chrysotile)	12001-29-5	0.005	0.05	15	250	PEL-TWA, PEL-STEL, human TClo, rat ip LDlo
229	Ascaridole	512-85-6	0.75	2.5	20	75	Mouse skin TDlo, rat oral LD50
230	Ascarite; (Asbestos, 1332-21-4)	81133-20-2	0.1	0.3	0.5	2.5	TEEL-2/5, TEEL-2*3/5, EEGL 60 min, EEGL 30 min
231	Ascorbic acid	50-81-7	60	200	500	500	TEEL-1/3, TEEL-2/7, 500 mg/m ³ max, 500 mg/m ³ max
232	Asphalt; (Bitumen)	8052-42-4a	0.5	7.5	50	250	TLV-TWA, TEEL-2/7, adjusted REL-C, TEEL-2*5
233	Auramine; (4,4'-(Imidocarbonyl)bis(N,N-dimethylamine) monohydrochloride)	2465-27-2	2.5	7.5	60	60	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat ip LD50
234	Azaserine; (L-Serine, diazoacetate (ester))	115-02-6	0.0125	0.04	0.25	75	TEEL-2/21, TEEL-2/7, pregnant rat oral TDlo, rat oral LD50
235	Azinphos ethyl; (Ethyl guthion)	2642-71-9	0.75	2	3.9	150	TEEL-2/21, TEEL-2/7, LOC, rat 240 min LC50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
236	Azinphos methyl; (Guthion)	86-50-0	0.2	0.6	0.7	10	PEL-TWA, TEEL-0*3, LOC, rat 60 min LC50
237	Aziridine homopolymer; (Ethylenimine homopolymer; Poly(ethyleneimine))	9002-98-6	5	15	100	500	Rat oral LD50
238	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	7.5	25	150	300	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
239	Azodicarbamide; (Azodicarbonamide)	123-77-3	40	125	200	200	TEEL-2/21, TEEL-2/7, rat TClo, rat ip LD50
240	Bacto peptone	51142-18-8	10	30	50	250	Used PNOS default
241	Barbituric acid	67-52-7	2	6	40	200	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse ip LD50
242	Barium	7440-39-3	0.5	1.5	50	50	PEL-TWA, TEEL-0*3, dog oral TDlo, TEEL-2
243	Barium acetate; (Barium acetate anhydrous)	543-80-6	0.93	2.79	4.65	93	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
244	Barium carbonate	513-77-9	0.5	1.5	6	50	TEEL-2/21, TEEL-2/7, human oral TDlo, human oral LDlo
245	Barium chloride	10361-37-2	0.5	1.5	2.5	50	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
246	Barium chloride dihydrate	10326-27-9	0.889	2.67	4.45	88.9	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
247	Barium chromate	10294-40-3	0.0246	0.147	0.25	73.7	As Cr(VI) PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
248	Barium cyanide	542-62-1	0.69	2.07	3.5	69	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
249	Barium dioxide; (Barium peroxide)	1304-29-6	0.617	1.5	12.5	61.7	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
250	Barium diphenylamine sulfonate	6211-24-1	2.31	6.92	11.5	231	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
251	Barium fluoride	7787-32-8	0.638	1.91	63.8	63.8	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
252	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	0.849	2.55	4.25	84.9	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH

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

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
253	Barium hydroxide	17194-00-2	0.624	1.87	3.12	62.4	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
254	Barium hydroxide octahydrate	12230-71-6	1.15	3	20	115	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
255	Barium metaborate	13701-59-2	0.5	1.5	50	50	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
256	Barium nitrate	10022-31-8	0.951	6	50	95.1	PEL-TWA, TEEL-2/7, Human oral TDlo, IDLH
257	Barium nitrite	13465-94-6	0.835	2.5	4.17	83.5	Ba sol compounds as Ba: PEL-TWA, IDLH
258	Barium oxide	1304-28-5	0.558	1.67	2.79	55.8	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
259	Barium permanganate	7787-36-2	6.83	20.5	34.1	34.1	As Mn REL-TWA, REL-STEL, PEL-C, TEEL-2
260	Barium phosphate	13466-20-1	40	125	200	500	TEEL-3/25, TEEL-0*3, TEEL-3/5, IDLH
261	Barium stearate	6865-35-6	10	30	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
262	Barium sulfate	7727-43-7	15	30	50	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, woman intravenous LDlo
263	Basic Green 4; (Aizen malachite green)	569-64-2	0.35	1	6	35	Mouse oral LD50
264	Basic Red 1; (Rhodamine 6G extra base)	989-38-8	0.025	0.075	0.6	2.5	Mouse ip TDlo, mouse ip LD50
265	Bathophenanthroline	1662-01-7	75	250	500	500	Rat oral LD50 based on assumed HHR = 1
266	Bentonite; (Clay absorbent)	1302-78-9	10	30	30	30	TEEL-2/21, TEEL-2/7, TEEL-3, rat iv LD50
267	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	0.2	0.6	4	20	TEEL-2/21, TEEL-2/7, mouse oral TDlo, TEEL-2*5
268	Benzal chloride	98-87-3	0.1	0.3	2.3	30	TEEL-2/21, TEEL-2/7, LOC, rat 120 min LC50
269	Benzaldehyde	100-52-7	7.5	15	15	600	WEEL-TWA, WEEL-STEL, TEEL-2, human LDLo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
270	Benzamide	55-21-0	3	10	60	350	Rat ip LD50
271	Benzenamine, sulfate (2:1)	542-16-5	10	30	50	250	Used PNOS default
272	Benzene	71-43-2	3	166	2,550	12,800	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
273	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	0.15	0.5	4	300	PAC-2/21, PAC-2/7, human TClo, rat 240 min LC50
274	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	5	15	28	125	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
275	Benzeneearsonic acid; (Phenylarsonic acid)	98-05-5	1.35	4.05	6.74	40	PEL-TWA, TEEL-0*3, TEEL-0*5, rat oral LDLo
276	Benzene-d6; (Deuterated benzene)	1076-43-3	3.5	150	2,500	12,500	Used Benzene (CASRN 71-43-2) PAC values
277	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	40	125	200	200	TEEL-2/5, TEEL-2*3/5, LOC, rat 60 min TClo
278	Benzenesulfonic acid, 4-chloro	98-66-8	2	6	40	200	Rat oral LD50 minimum
279	Benzenesulfonic acid, 5-chloro-2	z-0114	2	6	50	200	Used isomer 4-chlorobenzenesulfonic acid (96-66-8) PAC values
280	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	1.5	5	15	15	Rat oral 30 day TDLo, rat 240 min LCLo
281	Benzenethiol; (Thiophenol; Phenyl mercaptan)	108-98-5	0.4	0.4	2.39	7.21	TLV-TWA, TEEL-0, AEGL-2, AEGL-3
282	Benzidene	92-87-5	0.15	0.5	3.5	125	TEEL-2/21, TEEL-2/7, Human TClo, rat oral LD50
283	Benzo(a)anthracene	56-55-3	0.006	0.02	0.15	15	TEEL-2/21, TEEL-2/7, rat TC lo, mouse iv LDlo
284	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	0.2	1.5	10	80	PEL-TWA, TEEL-2/7, rat oral TDlo, IDLH
285	Benzo(ghi)perylene	191-24-2	10	30	50	250	Used PNOS default
286	Benzo(k)fluoranthene	207-08-9	0.2	0.6	4	20	Rat implant TDlo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
287	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7	1.5	5	35	150	Estimated HHR and rat oral LD50
288	Benzoic acid	65-85-0	4	12.5	75	400	Human oral LDlo
289	Benzoic acid, sodium salt	532-32-1	100	350	500	500	Rat oral TDlo, rat oral LD50
290	Benzoin oxime	441-38-3	0.6	1.5	12.5	60	Mouse ip LD50
291	Benzonitrile	100-47-0	4	12.5	92.7	236	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
292	Benzophenone	119-61-9	0.5	1.5	350	500	WEEL-TWA, rat oral TDlo, mouse oral LD50
293	Benzoquinone, p-; (Quinone)	106-51-4	0.4	1.5	10	100	PEL-TWA, TEEL-2/7, mouse oral TDlo, IDLH
294	Benzothiazole	95-16-9	5	15	100	150	Rat oral TDlo, rat oral LD50
295	Benzotriazole	95-14-7	0.025	0.075	0.5	250	Rat oral 26 week TDlo, rat oral LD50
296	Benzotrifluoride	98-08-8	6.41	15	125	500	As fluoride, PEL-TWA, TEEL-0*3, TEEL-3/5, IDLH
297	Benzoyl chloride	98-88-4	0.5	1.7	28.8	115	PAC-1/3, ERPG-1, ERPG-2, ERPG-3
298	Benzoyl peroxide	94-36-0	5	5	5	500	PEL-TWA, TEEL-0, TEEL-0, IDLH exceeds 500 mg/m ³ max
299	Benzyl acetate	140-11-4	60	60	60	150	TLV-TWA, TEEL-0, TEEL-0, cat 480 min LC50
300	Benzyl alcohol	100-51-6	40	600	600	600	WEEL-TWA, TEEL-3, TEEL-3, rat 480 min LClo
301	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	5	15	100	500	TEEL-1/3, TEEL-2/7, rat unknown TDlo, rat 240 minute LC50 exceeds 500 mg/m ³ max
302	Benzyl benzoate	120-51-4	12.5	35	250	500	Rabbit 13 week skin TDlo, rat oral LD50
303	Benzyl chloride	100-44-7	5.2	5.2	53	260	PEL-TWA, ERPG-1, ERPG-2, ERPG-3

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

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
304	Benzyl chloroformate; (Carbobenzoxy chloride)	501-53-1	0.3	1	6.76	20.2	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
305	Benzyl cyanide; (Phenylacetone nitrile)	140-29-4	0.2	0.6	4.3	30	TEEL-2/21, TEEL-2/7, LOC, rat 120 min LC50
306	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	0.35	1	7	10	PAC-2/21, PAC-2/7, adjusted LOC, rat 120 min LC50
307	Benzylamine	100-46-9	2.5	7.5	50	250	Mouse ip LD50
308	Benzyl dimethylamine; (Dimethylbenzylamine, N,N-; BDMA)	103-83-3	1	3	20	200	Rat TClo, rat 120 min LC50
309	Benzyl dimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	5	15	100	500	Rat oral LD50
310	Benzylmagnesium chloride	6921-34-2	1.5	5	35	150	Assumed HHR =3, used default rat oral LD50
311	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	0.1	0.35	2.5	12.5	Mouse subcutaneous LDlo
312	Beryllium	7440-41-7	5E-05	0.0035	0.025	0.1	TLV-TWA, PAC-2/7, ERPG-2, ERPG-3
313	Beryllium chloride	7787-47-5	0.000443	0.006	0.0443	35.5	TLV-TWA, TEEL-2/7, PEL-C, IDLH, as Be
314	Beryllium fluoride	7787-49-7	0.000261	0.0035	0.0261	20.9	TLV-TWA, TEEL-2/7, PEL-C, IDLH, as Be
315	Beryllium hydroxide	13327-32-7	0.000239	0.035	0.239	19.1	TLV-TWA, TEEL-2/7, PEL-C, IDLH, as Be
316	Beryllium nitrate	13597-99-4	0.00104	1.5	10.4	83	TLV-TWA, TEEL-2/7, PEL-C, IDLH, as Be
317	Beryllium oxide	1304-56-9	0.000139	0.2	1.39	11.1	TLV-TWA, TEEL-2/7, PEL-C, IDLH, as Be
318	Betaine, anhydrous; (Glycine betaine)	107-43-7	40	125	500	500	Rat ip TDlo, mouse subcutaneous LD50

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

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
319	Bicyclo(2.2.1)heptane-2-carbonitrile, 5-chloro-6-(((methylamino)carbonyloxy)imino)-, (1S-(1-alpha,2-beta,4-alpha,5-alpha,6E))-; (Tranid)	15271-41-7	3.5	10	19	19	TEEL-1/3, TEEL-2*3/5, LOC, LOC
320	Bioxirane, 2,2'-; (1,2:3,4-Diepoxybutane)	1464-53-5	0.15	0.5	3.5	35	TEEL-2/21, TEEL-2/7, LOC, rat 240 min LC50
321	Biphenylol, 4-	92-69-3	10	35	60	60	Mouse sc TDlo, mouse oral LD50
322	Biphenylol, sodium salt, 2-	132-27-4	2.5	7.5	60	300	Pregnant mouse oral TDlo, rat oral LD50
323	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	4	12.5	75	400	LD50 estimated from CASRN = 128-37-0, 4-methylphenol
324	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	2	6	40	400	TLV-TWA, TEEL-2/7, woman oral TDlo, rat oral LD50
325	Bis(1-methylethyl)benzene, 1,4-; (p- or 1,4-Diisopropylbenzene)	100-18-5	6	20	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse 120 min LCLo exceeds 500 mg/m ³ max
326	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	5	15	100	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat 240 min LCLo
327	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	30	100	500	500	TEEL-1/3, TEEL-2/7, rat oral TDLo exceeds 500 mg/m ³ max, rat oral LD50
328	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	50	150	1,000	1,500	TEEL-1/3, TEEL-2/7, mouse oral TDlo, rat oral LD50
329	Bis(2-chloroethylthio)ethyl ether; (2,2'-Di(3-chloroethylthio)diethyl ether)	63918-89-8	0.3	0.75	6	30	TEEL-1/3, TEEL-2/7, human 60 min LCLo
330	Bis(2-chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	1	3	20	100	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
331	Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)	505-60-2	0.02	0.065	0.13	2.08	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
332	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8	0.06	0.15	1.25	6	TEEL-1/3, TEEL-2/7, TEEL-3/5, human LCLo
333	Bis(2-chloroethylthio)methane	63869-13-6	0.05	0.15	1	5	Human LCLo estimated by comparison with Sesquimustard, 3563-36-8
334	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7	0.06	0.2	1.25	6	Human LCLo estimated by comparison with Sesquimustard, 3563-36-8

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
335	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8	0.075	0.2	1.5	7.5	Human LClo estimated by comparison with Sesquimustard, 3563-36-8
336	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2	0.06	0.15	1.25	6	Human LClo estimated by comparison with Sesquimustard, 3563-36-8
337	Bis(2-chloroethylthiomethyl)ether	63918-90-1	0.06	0.15	1.25	6	Human LClo estimated by comparison with Sesquimustard, 3563-36-8
338	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	75	250	500	500	Pregnant mouse TDlo, rat oral LD50
339	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	0.02	0.06	0.4	2	Rat oral LD50
340	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	0.075	0.2	1.5	7.5	Rat 240 min LClo
341	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	0.04	0.125	1	1,000	Rat oral TDlo, rat oral LD50
342	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	10	30	50	250	Used PNOS default
343	Bis(3-tert-butyl-4-hydroxy-6-methylphenyl) sulfide; (4,4'-Thiobis(6-tert-butyl-m-cresol))	96-69-5	15	30	300	500	PEL-TWA, TEEL-0*3, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
344	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	0.125	0.4	2	2	TEEL-2/21, TEEL-2/7, PAC-3, rat 120 min LC50
345	Bis(chloromethyl)oxetane, 3,3-	78-71-7	0.4	1.25	2	75	TEEL-2/5, TEEL-2*3/5, LOC, mouse 120 min LC50
346	Bis(dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	0.4	1.25	7.5	40	Mouse sc LD50
347	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	4.7	14.1	23.5	470	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH, as FI
348	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	10	30	50	250	Used PNOS default
349	Bis[(benzo-15-crown-5)-15-ylmethyl] pimelate	69271-98-3	10	30	50	250	Used PNOS default
350	Bisbutenylenetetrahydrofurfural; (2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	10	30	200	500	Rat oral LD50
351	Bismuth	7440-69-9	1.5	5	40	200	TEEL-1/3, TEEL-2/7, TEEL-3/5, Human LDLo

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
352	Bismuth acetate	22306-37-2	10	30	50	250	Used PNOS default
353	Bismuth germanate	12233-73-7	1.5	5	40	200	Human LDlo
354	Bismuth hydroxide	10361-43-0	1	1	3	100	SAR
355	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	7.5	20	150	500	TEEL-2/21, TEEL-2/7, infant oral TDlo, infant oral LDlo
356	Bismuth iodide	7787-64-6	1.5	5	35	150	Estimated rat oral LD50
357	Bismuth nitrate	10361-44-1	1.25	4	25	500	Rat intratracheal TDlo, mouse intraperitoneal LDlo
358	Bismuth oxide	1304-76-3	20	60	400	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
359	Bismuth oxychloride; (Bismuth chloride oxide)	7787-59-9	75	250	500	500	TEEL-1/3, TEEL-2/7, TEEL-3/5 and rat oral LD50 exceed 500 mg/m ³ max
360	Bismuth(III) nitrate, pentahydrate	10035-06-0	2	6	40	500	Rat 240 min TClo, rat oral LD50
361	Bisphenol A diglycidyl ether	1675-54-3	1.25	3.5	6	6	Mouse skin TDlo, rat oral LD50
362	Bisphenol A; (4,4'-Isopropylidenediphenol)	80-05-7	5	5	5	500	MAK-TWA, TEEL-0, TEEL-0, rat oral LD50
363	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	4	12.5	20	20	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
364	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b))	z-0110	10	30	50	250	PNOS default used
365	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	0.35	1	6	35	Rabbit skin LDlo
366	Borane-tetrahydrofuran	14044-65-6	5	15	25	125	PAC based on boron organic compound toxicity range
367	Borate	14213-97-9	2	6	10	50	TLV-TWA, TLV-STEL, TEEL-0*5, TEEL-2*5
368	Boric acid	10043-35-3	2	6	150	150	TLV-TWA, TLV-STEL, TEEL-3, human LDlo

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
369	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	7.5	25	150	750	Mouse oral LD50
370	Boron	7440-42-8	1.5	4	30	250	TEEL-2/21, TEEL-2/7, rat TC lo, rat oral LD50
371	Boron carbide	12069-32-8	40	125	500	500	TEEL-2/21, TEEL-2/7, rat TClo, PAC-2
372	Boron nitride	10043-11-5	400	500	500	500	Rat LDlo minimum
373	Boron oxide	1303-86-2	15	30	300	500	PEL-TWA, TLV-TWA*3, rat TClo, IDLH
374	Boron tribromide	10294-33-4	1	3.38	74.8	410	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
375	Boron trichloride	10294-34-5	0.5	1.5	10	12.5	TEEL-2/21, TEEL-2/7, LOC, rat 420 min LClo
376	Boron trifluoride	7637-07-2	0.75	2.5	37	110	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
377	Boron trifluoride dihydrate	13319-75-0	0.75	2.5	37	110	Used boron trifluoride (7637-07-2) PAC values
378	Boron trifluoride etherate	109-63-7	9.34	25	150	500	Fluoride exposure limits
379	Boron trifluoride-dimethyl ether	353-42-4	0.75	2.5	37	110	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
380	Botulinum toxin-A	93384-43-1	1.5E-09	4E-09	0.00000003	0.00003	TEEL-1/3, TEEL-2/7, human subcutaneous TDlo, mouse LD50,
381	Botulinum toxin-B	93384-44-2	4E-06	0.0000125	0.000015	0.000015	TEEL-2/21, TEEL-2/7, human intramuscular TDlo, mouse intraperitoneal LD50
382	Botulinum toxin-F	107231-15-2	7.5E-08	0.0000002	0.0000015	0.00001	TEEL-2/21, TEEL-2/7, mouse intramuscular TDlo, mouse intraperitoneal LD50
383	Botulinum, clostridium	z-0119	0.000000006	0.000000015	0.000000125	6E-07	PAC-3/105, PAC-3/35, PAC-3/5, mouse intravenous LD50
384	Brij-35; (alpha-Dodecyl-omega-hydroxypoly(oxyethylene))	9002-92-0	0.15	0.5	3.5	400	PAC-2/21, PAC-2/7, rat intratracheal TDLo, rat oral LD50
385	Brilliant blue; (Acid blue 9)	2650-18-2	0.06	0.06	0.06	0.06	T-2/21, T-2/7, rat subcutaneous TDLo, human intravenous LDLo

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
386	Bromadiolone	28772-56-7	0.2	0.6	1	1	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
387	Bromine	7726-95-6	0.216	0.216	1.57	55.5	PAC-1, AEGL-1, AEGL-2, AEGL-3
388	Bromine chloride	13863-41-7	0.75	2.36	11.8	35.8	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
389	Bromine pentafluoride	7789-30-2	0.75	1	7.15	236	TLV-TWA, PAC-2/7, AEGL-2, AEGL-3
390	Bromine trifluoride	7787-71-5	0.2	0.671	11.2	118	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
391	Bromo acetic acid, methyl ester	96-32-2	0.25	0.75	5	25	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse iv LD ₅₀
392	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	2	6	40	200	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 240 min LC ₅₀
393	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	400	1,250	7,500	40,000	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse 120 min LC ₅₀
394	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3-chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2	6	15	125	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD ₅₀
395	Bromo-3-methylbutane, 1-	107-82-4	25	75	500	2,500	Rat ip LD ₅₀
396	Bromoacetaldehyde diethyl acetal	2032-35-1	7.5	25	150	500	Rat oral LD ₅₀ estimated from HHR
397	Bromoacetic acid	79-08-3	0.04	0.125	0.75	4	Rat 30 min LC ₅₀
398	Bromoacetone	598-31-2	0.02	0.0616	1.85	5.49	AEGL-1/3, AEGL-1, AEGL-2, AEGL-3
399	Bromoanisole, 3-; (1-Bromo-3-methoxybenzene)	2398-37-0	10	30	50	250	PNOS default used
400	Bromobenzene; (Phenyl bromide)	108-86-1	7.5	25	150	2,000	TEEL-2/21, TEEL-2/7, rat TC ₅₀ , rat 240 min LC ₅₀
401	Bromochlorobenzene, m-	108-37-2	10	30	50	250	Used PNOS default

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
402	Bromochlorobenzene, p-	106-39-8	10	30	50	250	Used PNOS default
403	Bromochloromethane	74-97-5	1,000	3,000	10,000	10,000	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
404	Bromocresol green; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-])	76-60-8	1	3.5	25	500	TEEL-2/21, TEEL-2/7, mouse intravenous TDlo, rat subcutaneous LD minimum
405	Bromocresol purple; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-6-methyl-])	115-40-2	1	3	25	500	Values based on bromocresol green, 76-60-8
406	Bromocyclohexanol, cis-2-	16536-57-5	0.3	0.75	5	300	SAR
407	Bromodecane, 1-	112-29-8	15	40	300	1,500	Mouse 120 min LC50
408	Bromodichloromethane	75-27-4	1.5	4	30	150	Rat oral TDlo, rat oral LD50
409	Bromododecane, 1-	143-15-7	7.5	25	150	500	Rat oral LD50 based on HHR
410	Bromoethane; (Ethyl bromide)	74-96-4	20	4,000	7,500	7,500	TLV-TWA, TEEL-2/7, TEEL-3, IDLH
411	Bromoethanol, 2-; (Ethylene bromohydrin)	540-51-2	0.075	0.2	1.5	60	Mouse ip TDlo, mouse ip LDlo
412	Bromoethylmagnesium	925-90-6	1.5	5	35	150	Rat oral LD50 based on HHR = 3
413	Bromofluorobenzene, 4-; (p-Fluorobromobenzene)	460-00-4	75	200	500	500	Rat 240 min LC50
414	Bromoform; (Tribromomethane)	75-25-2	5	250	2,000	7,500	PEL-TWA, TEEL-2/7, rat TClo, IDLH
415	Bromohexane; (n-Hexyl bromide)	111-25-1	250	750	6,000	30,000	Rat 30 min LC50
416	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	10	30	50	250	PNOS default used
417	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	7.5	25	150	500	Rat oral LD50 estimated from HHR = 2

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

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
418	Bromonaphthalene	90-11-9	3.5	10	60	350	Mouse ip LD50
419	Bromonitromethane	563-70-2	0.75	2.5	15	75	Rat oral LDlo
420	Bromooctane , 1-; (Octyl bromide)	111-83-1	20	60	400	2,000	Rat oral LD50
421	Bromophenol blue; (Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2,6-dibromo-, S,S-dioxide))	115-39-9	10	30	50	250	PNOS default used
422	Bromophenyl phenyl ether, 4-	101-55-3	2	6	40	200	Rat 240 min LClo
423	Bromopropane, 1-	106-94-5	50	150	12,500	12,500	TLV-TWA, TEEL-0*3, TEEL-3, rat 30 min LC50
424	Bromopropane, 2-	75-26-3	3,000	7,500	60,000	1.25E+05	TEEL-1/3, TEEL-2/7, rat TCLo, mouse 240 min LC50
425	Bromopyrene, 3-	1714-29-0	10	30	50	250	Used PNOS default
426	Bromosuccinimide, N-	128-08-5	2	6	40	200	Mouse ip LDlo
427	Bromothymol blue; (Dibromothymolsulfonphthalein)	76-59-5	10	30	50	250	Used PNOS default
428	Bromotoluene, A-; (Benzyl bromide)	100-39-0	0.6	1.5	12.5	60	Rabbit 30 min LClo
429	Bromotrichloromethane	75-62-7	0.5	1.5	10	50	Rat ip LD50
430	Bromotrifluoroethylene	598-73-2	6	20	350	600	Fluoride PEL-TWA, TEEL-0*3, rat TCLo, IDLH
431	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	6,000	20,000	1.50E+05	2.50E+05	PEL-TWA, TEEL-2/7, 60 min EEGL, 30 min EEGL
432	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	1.5	5	35	150	Rat oral LD50 based on HHR = 3
433	Brown menhaden fish oil	68440-42-6	10	30	50	250	PNOS default used
434	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	0.3	0.75	6	40	TEEL-2/21, TEEL-2/7, rat ip TDlo, rat ip LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
435	Butadiene, 1,3-	106-99-0	2	1,480	11,700	48,600	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
436	Butanaminium, N,N,N-tributyl-1-, bromide; (Tetrabutylammonium bromide)	1643-19-2	10	30	50	250	Used PNOS default
437	Butane	106-97-8	2,500	13,100	40,400	1.26E+05	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
438	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	35	100	750	3,500	Rat oral LD50
439	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	20	60	400	2,000	Rat oral LD50 minimum
440	Butanediol dinitrate, 1,4-	3457-91-8	0.35	0.75	3	20	SAR
441	Butanediol, 1,3-	107-88-0	25	75	500	500	Mammal oral TDLo, rat oral LD50
442	Butanediol, 1,4-; (1,4-Tetramethylene glycol)	110-63-4	1.25	3.5	25	250	TEEL-1/3, TEEL-2/7, rat oral TDLo, woman unknown LDLo
443	Butanedione, 2,3-	431-03-8	20	60	400	400	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
444	Butanenitrile; (Butyronitrile)	109-74-0	20	60	100	125	REL-TWA, TEEL-0*3, TEEL-0*5, mouse 60 min LC50
445	Butanephosphonic acid	3321-64-0	0.02	0.06	0.4	2	SAR
446	Butanethiol; (n-Butyl mercaptan)	109-79-5	1.5	20	150	1,500	TLV-TWA, TEEL-2/7, REL-C, IDLH
447	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	10	30	200	1,000	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat intraperitoneal LD50
448	Butanol, aluminum salt, 2-	2269-22-9	18.3	54.8	91.3	400	Al alkyls REL-TWA, TEEL-0*3, TEEL-0*5, TEEL-2*5
449	Butanol-d10, n-	34193-38-9	60	60	150	5,000	n-Butanol, 71-36-3, limits used
450	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	35	150	400	400	WEEL-TWA, TEEL-2/7, TEEL-3, rat oral LD50
451	Butanone, 2-; (Methyl ethyl ketone; MEK)	78-93-3	589	589	7,960	11,800	PEL-TWA, AEGL-1, AEGL-2, AEGL-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
452	Butene, 1-; (Butylene)	106-98-9	600	1,500	30,000	1.50E+05	TLV-TWA, TEEL-0*3, inferred mouse TClo and LDlo
453	Butene, 2-	107-01-7	600	1,500	3,000	1.50E+05	TLV-TWA, TEEL-0*3, TEEL-0*5, rat 240 min LC50
454	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	600	1.50E+05	5.00E+05	7.50E+05	TLV-TWA, simple asphyxiant for PAC-1, PAC-2, PAC-3
455	Butene, trans-2-; (trans-1,2-Dimethylethylene)	624-64-6	600	1,500	75,000	1.50E+05	TLV-TWA, TEEL-0*3, inferred mouse TClo and LC50
456	Butoxyethanol acetate, 2-; (Ethylene glycol monobutyl ether acetate)	112-07-2	125	400	600	1,000	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
457	Butoxyethanol phosphate, 2-	78-51-3	7.5	20	150	500	Rat oral TDlo, rat oral LD50
458	Butoxyethanol, 2-; (Glycol ether EB)	111-76-2	250	250	500	3,500	PEL-TWA, TEEL-0, human TClo, IDLH
459	Butoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	60	100	600	2,500	MAK-TWA, TEEL-2/7, rat 240 min TClo, rat oral LD50
460	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	0.35	1	7.5	40	Rat oral LD50
461	Butoxypolypropylene glycol	9003-13-8	35	100	500	500	Rat oral LD50
462	Butyl acetate, n-	123-86-4	24	24	950	14,300	PAC-1, ERPG-1, ERPG-2, ERPG-3
463	Butyl acetate, sec-	105-46-4	750	750	1,500	7,500	PEL-TWA, PAC-3/35, PAC-3/5, IDLH
464	Butyl acetate, tert-	540-88-5	750	2,500	4,000	6,000	PEL-TWA, TEEL-0*3, TEEL-0*5 IDLH
465	Butyl acetoacetate, tert-	1694-31-1	20	60	400	500	Rat oral LD50 minimum
466	Butyl acrylate, n-	141-32-2	10	43.5	681	2,510	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
467	Butyl alcohol, n-; (n-Butanol)	71-36-3	60	60	150	4,000	TLV-TWA, TEEL-0, REL-C, IDLH
468	Butyl alcohol, sec-; (2-Butanol)	78-92-2	300	400	1,250	6,000	TLV-TWA, REL-STEL, rat TClo, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
469	Butyl bis(2-ethylhexyl)phosphate	z-0002	3	7.5	10	10	SAR
470	Butyl bromide, n-; (1-Bromobutane)	109-65-9	100	300	2,000	10,000	Rat 120 min LC50
471	Butyl chloroformate, n-	592-34-7	1	1.5	12.3	37.4	MAK-TWA, PAC-2/7, AEGL-2, AEGL-3
472	Butyl chloroformate, sec-	17462-58-7	0.6	1.5	12.3	37.4	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
473	Butyl ether, n-; (Dibutyl ether)	142-96-1	5	15	100	2,000	TEEL-1/3, TEEL-2/7, human 15 min TCLo, rat 240 min LCLo
474	Butyl glycidyl ether, n-	2426-08-6	15	15	30	1,250	TLV-TWA, TEEL-0, REL-C, IDLH
475	Butyl isocyanate, n-	111-36-4	0.015	0.0527	0.0932	1.01	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
476	Butyl isocyanate, tert-	1609-86-5	0.25	0.75	5	25	Rat 240 min LC50
477	Butyl levulinate	2052-15-5	20	60	400	500	Rat oral LD50 minimum
478	Butyl lithium	109-72-8	36.9	115	500	500	Li MW-adjusted values
479	Butyl methyl-d3 ether, tert-	29366-08-3	150	150	2,000	20,000	Tert-butyl methyl ether, 1634-04-4, PACs used
480	Butyl perbenzoate, tert-	614-45-9	7.5	25	150	400	TEEL-2/21, TEEL-2/7, mouse uk TDlo, rat oral LD50
481	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	100	300	500	500	TEEL-2/21, TEEL-2/7, rat TClo, rat oral LD50
482	Butyl-2-methylcyclopropane, T-1-	38851-70-6	10	30	50	250	Used PNOS default
483	Butyl-3-iodo-2-propynylcarbamate	55406-53-6	4	12.5	100	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
484	Butylamine, (S)-sec-	513-49-5	1.5	4	30	150	Rat oral LD50
485	Butylamine, n-	109-73-9	6	6	15	750	MAK-TWA, TEEL-0, PEL-C, IDLH

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
486	Butylamine, sec-	13952-84-6	6	6	30	60	MAK-TWA, TEEL-0, MAK-C, rat oral LD50
487	Butylamine, tert-	75-64-9	1	3	20	400	TEEL-2/21, TEEL-2/7, human TClo, rat 240 min LC50
488	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	3	10	60	350	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse subcutaneous LD50
489	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	0.15	0.5	4	750	TEEL-2/21, TEEL-2/7, rat oral TDlo and LD50
490	Butylbenzene, tert-	98-06-6	0.15	0.5	4	1,250	TEEL-2/21, TEEL-2/7, rat oral TDlo and LD50
491	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	10	30	200	1,000	Estimated rat oral LD50
492	Butylcyclohexanone, p-tert-	98-53-3	20	60	400	500	Rat oral LD50
493	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8	20	60	400	500	Rat oral LD50 minimum
494	Butyllithium, sec-	598-30-1	1	3	20	100	Estimated rat 240 min LC50 based on HHR
495	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	0.1	0.3	2	500	TEEL-2/21, TEEL-2/7, WEEL-C, rat oral LD50
496	Butyltrichlorosilane	7521-80-4	1.5	4.7	57.2	258	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
497	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	0.2	15	30	30	MAK-TWA, TEEL-2/7, TEEL-3, rat 120 min LClo
498	Butyraldehyde	123-72-8	0.06	0.15	1.25	40	TEEL-2/21, TEEL-2/7, human TClo, rat 10 min LC50
499	Butyric acid	107-92-6	50	150	750	750	TEEL-1/3, TEEL-2/7, TEEL-3, rat oral LD50
500	Butyric acid, sodium salt	156-54-7	50	150	500	500	TEEL-1/3, TEEL-2/7, dog iv TDLo and TEEL-2*5 exceed 500 mg/m ³ max
501	BZ; (3-Quinuclidinyl benzilate)	6581-06-2	0.0075	0.02	0.037	0.69	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
502	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1	1	3	250	500	WEEL-TWA, TEEL-0*3, rat oral TDLo, TEEL-2*5 exceeds 500 mg/m ³ max

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
503	C-18 Unsaturated fatty acid, dimers, reaction products with polyethylenepolyamines; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1	10	30	50	250	Used PNOS default
504	Cacodylic acid; (Arsenic acid, dimethyl-)	75-60-5	0.5	0.6	4	250	PEL-TWA, TEEL-2/7, rat oral TDLo, rat oral LD50
505	Cadmium	7440-43-9	0.005	0.10	0.76	4.7	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
506	Cadmium bromide	7789-42-6	0.0121	0.0727	7.5	21.8	PEL-TWA, TLV-TWA*3, rat oral TDLo, IDLH
507	Cadmium carbonate	513-78-0	0.00767	0.046	0.0767	13.8	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
508	Cadmium chloride	10108-64-2	0.00815	0.0489	0.5	14.7	PEL-TWA, TLV-TWA*3, rat TClo, IDLH
509	Cadmium chloride hemipentahydrate; (Cadmium chloride, 2.5-hydrate)	7790-78-5	0.0102	0.0609	5	18.3	PEL-TWA, TLV-TWA*3, rat ip TDLo, IDLH
510	Cadmium fluoride	7790-79-6	0.00669	0.0401	0.0669	12	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
511	Cadmium hydroxide	21041-95-2	0.00652	0.0391	0.0652	11.7	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
512	Cadmium nitrate	10325-94-7	0.0105	0.25	1.5	18.9	PEL-TWA, TEEL-2/7, rat oral TDLo, IDLH
513	Cadmium nitrate tetrahydrate	10022-68-1	0.0137	0.6	5	24.7	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
514	Cadmium nitrite	7790-83-2	0.00909	0.0546	0.0909	16.4	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
515	Cadmium oxide	1306-19-0	0.00571	0.0343	4	10.3	PEL-TWA, TLV-TWA*3, LOC, IDLH
516	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	0.0303	0.182	13	54.6	PEL-TWA, TLV-TWA*3, adjusted LOC, IDLH
517	Cadmium sulfate	10124-36-4	0.00927	0.0556	0.0927	16.7	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
518	Cadmium sulfate, hydrate	7790-84-3	0.0157	0.0941	0.3	28.2	PEL-TWA, TLV-TWA*3, hamster iv TDLo, IDLH

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
519	Cadmium sulfide	1306-23-6	0.00643	0.0386	11.6	11.6	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
520	Cadmium tungstate	7790-85-4	0.016	0.0961	0.16	28.8	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
521	Cadmium(II) acetate	543-90-8	0.0103	0.0615	0.15	18.5	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
522	Calcium	7440-70-2	10	30	50	250	Used PNOS default
523	Calcium acetate	62-54-4	0.02	0.06	0.4	30	TEEL-2/21, TEEL-2/7, pregnant rat TClo, mouse ip LD50
524	Calcium arsenate	7778-44-1	0.0266	1.5	10	13.3	PEL-TWA, PAC-2/7, LOC, IDLH
525	Calcium carbide	75-20-7	10	30	50	250	Used PNOS default
526	Calcium chloride	10043-52-4	1	3.5	20	400	TEEL-2/21, TEEL-2/7 women intravenous TDlo, rat oral LD50
527	Calcium chloride dihydrate	10035-04-8	40	125	500	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, mouse ip LD50
528	Calcium chloride hexahydrate	7774-34-7	5	15	100	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, guinea pig iv LDlo
529	Calcium chloride hydrate	22691-02-7	2	6	40	450	Exposure limits based on PAC values for CaCl ₂ and CaCl ₂ 2(H ₂ O)
530	Calcium chromate	13765-19-0	0.015	0.125	0.75	45	PEL-TWA, TEEL-2/7, rat TClo, IDLH
531	Calcium cyanamide	156-62-7	0.5	75	500	500	TLV-TWA, TEEL-2/7, TEEL-3, human oral LDLo
532	Calcium cyanide	592-01-8	3.8	3.8	13	28	PAC-1, AEGL-1, AEGL-2, AEGL-3
533	Calcium fluoride	7789-75-5	5.14	15.4	200	500	PEL-TWA, TEEL-0*3, mouse intraperitoneal TDlo, rat oral LD50
534	Calcium formate	544-17-2	10	30	200	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
535	Calcium hydride	7789-78-8	1.5	5	35	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, est rat oral LD50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
536	Calcium hydroxide	1305-62-0	15	75	500	500	PEL-TWA, TEEL-0, TEEL-3/5, rat oral LD50
537	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	4	12.5	75	350	TEEL-1/3, TEEL-2/7, human oral TDLo, rat oral LD50
538	Calcium metasilicate	10101-39-0	10	30	50	250	Used PNOS default
539	Calcium monohydrogen phosphate dihydrate	7789-77-7	10	30	50	250	Used PNOS default
540	Calcium nitrite	13780-06-8	0.03	0.075	0.6	50	SAR
541	Calcium oxalate	563-72-4	6	15	50	50	SAR
542	Calcium oxalate, hydrate	5794-28-5	6	15	60	60	Used Ca oxalate values, MW adjusted
543	Calcium oxide	1305-78-8	5	5	5	25	PEL-TWA, TEEL-0, TEEL-0, IDLH
544	Calcium phosphate tribasic	12167-74-7	10	30	50	250	Used PNOS default
545	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	7.5	20	35	350	SAR
546	Calcium phosphide	1305-99-3	0.35	1	7.45	13.4	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
547	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)	7778-18-9	15	30	50	250	PEL-TWA, TLV-TWA*3, TLV-TWA*5, TEEL*5
548	Calcium trifluoromethanesulfonate	55120-75-7	7.42	20	150	500	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
549	Calcium(II) nitrate	10124-37-5	1.25	3.5	25	125	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
550	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
551	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	15	30	50	75	Ca sulfate PEL-TWA, TLV-TWA*3, rat ip TDLo, TEEL-2*5
552	Camphor	76-22-2	2	19	30	200	PEL-TWA, TLV-STEL, child TDLo, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
553	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	4	12.5	75	400	Mouse sc LD50 of CASRN 3144-16-9
554	Cantharidin	56-25-7	0.75	2.5	4.3	4.3	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
555	Caprolactam (dust)	105-60-2	1	3	20	20	REL-TWA, REL-STEL, TEEL-3, rat 120 min LC50
556	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	15	50	350	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
557	Caprylyl chloride; (Octanoyl chloride)	111-64-8	10	30	50	250	Used PNOS default
558	CAPSO	73463-39-5	10	30	50	250	Used PNOS default
559	Captan	133-06-2	5	12.5	75	500	TLV-TWA, TEEL-2/7, woman oral TDLo, human oral LDLo
560	Carbachol chloride	51-83-2	3	7.5	15	15	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
561	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	26419-73-8	0.2	0.6	1	1	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
562	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde-O-(methylcarbamoyl)oxime, 2-)	116-06-3	0.0001	0.0003	0.3	100	WEEL-TWA, WEEL-TWA*3, LOC, rat 300 min LC50
563	Carbaryl	63-25-2	0.5	0.5	1.5	100	TLV-TWA, TEEL-0, human oral TDLo, IDLH
564	Carbazole	86-74-8	0.75	2.5	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse ip LD50
565	Carbazole violet	6358-30-1	75	250	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50 (based on HHR)
566	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	10	30	50	250	Used PNOS default
567	Carbofuran	1563-66-2	0.1	0.3	0.43	0.5	TLV-TWA, TEEL-0*3, LOC, women oral LD50
568	Carbon black	1333-86-4	3.5	10.5	17.5	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
569	Carbon dioxide	124-38-9	7,500	50,000	50,000	75,000	PEL-TWA, TLV-STEL, TLV-STEL, IDLH

Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font. The "Source of PACs" column is under construction.

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
570	Carbon disulfide	75-15-0	3	40.5	498	1,490	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
571	Carbon monoxide	630-08-0	60	95	95	378	PEL-TWA, AEGL-2, AEGL-2, AEGL-3
572	Carbon tetrachloride	56-23-5	60	277	1,190	3,270	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
573	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	750	2,500	15,000	75,000	Rat 15 min LClo
574	Carbon trifluoride; (Trifluoromethane; Fluoroform)	75-46-7	2,500	7,500	60,000	3.00E+05	Estimated human LClo
575	Carbon; (Graphite, synthetic)	7440-44-0	2	6	10	500	TLV-TWA, TEEL-0*3, rat sc TDlo, IDLH
576	Carbonic acid, calcium salt	471-34-1	15	75	500	500	PEL-TWA, rat oral LD50
577	Carbonyl fluoride	353-50-4	0.755	0.755	0.755	2.24	PAC-2, PAC-2, AEGL-2, AEGL-3
578	Carbonyl sulfide	463-58-1	25	75	135	368	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
579	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	10	30	50	250	Used PNOS default
580	Carbophenothion; (Trithion)	786-19-6	1.25	4	6.8	6.8	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
581	Carboxymethyl cellulose	9000-11-7	40	125	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LDlo minimum
582	Carboxymethyl sepharose; (CM sepharose)	68894-07-5	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50 (based on HHR)
583	Casamino acids	z-0008	10	30	50	250	Used PNOS default
584	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9	10	30	50	250	Used PNOS default
585	Castor oil	8001-79-4	40	125	500	500	TEEL-2/21, TEEL-2/7, rat im TDlo, human oral LDlo minimum
586	Catechol	120-80-9	20	20	40	100	TLV-TWA, PAC-2/7, rat oral TDLo, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
587	Cation exchange resin 200-400 mesh Hyd. Dowex 50W-X8	11119-67-8	10	30	50	250	Used PNOS default
588	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5	10	30	50	250	Used PNOS default
589	Cellulase	9012-54-8	12.5	40	300	500	TEEL-2/21, TEEL-2/7, mammalian TClo, TEEL-2*5
590	Cellulose	9004-34-6	15	30	500	500	PEL-TWA, TLV-TWA, rat oral TDlo, rat 240 min LC 50
591	Cellulose acetate butanoate	9004-36-8	10	30	50	250	Used PNOS default
592	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7	10	30	50	250	Used PNOS default
593	Ceric ammonium nitrate	16774-21-3	10	30	50	250	Used PNOS default
594	Ceric ammonium sulfate	7637-03-8	10	30	50	250	Used PNOS default
595	Ceric ammonium sulfate, dihydrate	10378-47-9	10	30	50	250	Used PNOS default
596	Ceric oxide	1306-38-3	6	20	150	500	TEEL-2/21, TEEL-2/7, rat 240 min TClo, rat oral LD50 minimum
597	Cerium	7440-45-1	10	30	50	250	Used PNOS default
598	Cerium acetate	537-00-8	0.1	0.35	2	10	TEEL-1/3, TEEL-2/7, human iv TDLo, TEEL-2*5
599	Cerium chloride	7790-86-5	6	20	150	500	TEEL-1/3, TEEL-2/7, rat TClo, rat oral LD50
600	Cerium fluoride	7758-88-5	8.65	25.9	43.2	500	TLV-TWA as Fluorides, TEEL-0*3, TEEL-0*5, rat oral LD50 minimum
601	Cerium hydroxide	15785-09-8	0.75	0.75	2	75	SAR
602	Cerium nitrate hexahydrate	10294-41-4	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
603	Cerium oxalate	139-42-4	10	30	50	250	Used PNOS default

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
604	Cerium sulfate	13590-82-4	1	3.5	20	100	TEEL-2/21, TEEL-2/7, male rat intratracheal TDlo, TEEL-2*5
605	Cerium trioxide	1345-13-7	2	6	40	200	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse ip LD50
606	Cerium(III) sulfate	13454-94-9	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50 (based on HHR)
607	Cerium(IV) hydroxide	12014-56-1	10	30	50	250	Used PNOS default
608	Cerium(IV) nitrate	13093-17-9	10	30	50	250	PNOS default used
609	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	1	3	20	500	Male rat intratracheal TDlo, rat oral LD50
610	Cerous nitrite	z-0004	0.04	0.1	0.75	75	SAR
611	Cesium	7440-46-2	6	20	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse ip LD50
612	Cesium carbonate	534-17-8	10	30	200	500	Rat oral LD50
613	Cesium chloride	7647-17-8	0.4	1.25	10	500	Female rat oral TDlo, rat oral LD50
614	Cesium fluoride	13400-13-0	20	60	100	500	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
615	Cesium hydroxide	21351-79-1	2	2	7.5	250	TLV-TWA, TEEL-0, rat TClo, rat oral LD50
616	Cesium iodide	7789-17-5	10	30	200	500	Rat oral LD50
617	Cesium metaborate	92141-86-1	2	6	200	500	TLV-TWA, TLV-STEL, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
618	Cesium nitrate	7789-18-6	10	30	200	500	Rat oral LD50
619	Cesium nitrite	13454-83-6	0.075	0.2	1.5	60	SAR
620	Cesium oxide	20281-00-9	7.5	25	150	500	TEEL-1/3; TEEL-2/7; TEEL-3/5; Rat LDLo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
621	Charcoal, activated	64365-11-3	10	30	50	250	Used PNOS default
622	Chloramben; (Amiben; 3-Amino-2,5-dichlorobenzoic acid)	133-90-4	0.04	0.125	0.75	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
623	Chloramphenicol	56-75-7	0.5	1.5	7.5	350	WEEL-TWA, WEEL-TWA*3, human TDLo, woman oral LDLo
624	Chlordane	57-74-9	0.5	7.5	50	100	PEL-TWA, TEEL-2/7, LOC, IDLH
625	Chlorfenvinfos	470-90-6	2	6	10	10	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
626	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	0.15	0.4	3	75	Human oral TDLo, child uk LD50
627	Chloride; (Chloride(1-); Chloride ions)	16887-00-6	0.75	1.5	3.65	15	TLV-TWA, TLV-STEL, LOC, IDLH
628	Chlorinated polyolefins	68410-99-1	10	30	50	250	Used PNOS default
629	Chlorine	7782-50-5	1.45	1.45	5.8	58	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
630	Chlorine dioxide	10049-04-4	0.25	0.414	3.03	6.62	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
631	Chlorine Hi dry granular (as Cl)	z-0006	0.75	1.5	3.65	15	TLV-TWA, TLV-STEL, LOC, IDLH
632	Chlorine pentafluoride	13637-63-3	0.5	1.6	5.33	42.7	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
633	Chlorine trifluoride	7790-91-2	0.15	0.453	7.56	79.3	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
634	Chlormephos	24934-91-6	1.25	4	7	35	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50
635	Chlormequat chloride; (Choline dichloride)	999-81-5	0.35	1	7	7.5	TEEL-2/21, TEEL-2/7, LOC, human LDlo
636	Chloro-1,1,1,2-tetrafluoroethane, 2-	2837-89-0	5,580	5,580	27,900	55,800	PAC-1, ERPG-1, ERPG-2, ERPG-3
637	Chloro-1,1-difluoroethane, 1-; (HCFC-142b)	75-68-3	4,000	41,000	61,500	1.03E+05	WEEL-TWA, ERPG-1, ERPG-2, ERPG-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
638	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	0.1	0.3	2	60	Rat oral TDlo, rat 240 min LClo
639	Chloro-1-butanol, 4-	928-51-8	1.5	5	40	400	Mouse ip TDlo, mouse oral LD50
640	Chloro-2,4-dinitrobenzene, 1-	97-00-7	3	10	60	350	Rat oral TDlo, rat oral LD50
641	Chloro-2-methyl-1-propene, 3-	563-47-3	3	7.5	60	300	Rat oral TDlo
642	Chloro-2-methyl-4-isothiazolin-3-one, 5-	26172-55-4	0.2	0.6	1	1	MAK-TWA, mouse skin TDlo
643	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	1.5	4	30	7,500	Mouse ip TDlo, HHR-based rat oral LD50
644	Chloro-2-nitrophenol, 4-	89-64-5	0.4	1.25	7.5	40	MSDS rat oral LD50
645	Chloro-4-nitrophenol, 2-	619-08-9	3.5	10	75	400	Rat oral LD50
646	Chloroacetaldehyde	107-20-0	1.25	4.17	7.06	31.8	PEL-C, AEGL-1, AEGL-2, AEGL-3
647	Chloroacetaldehyde dimethyl acetal	97-97-2	7.5	25	150	500	Estimated HHR and rat oral LD50
648	Chloroacetic acid, sodium salt	3926-62-3	2.38	7.14	40	40	WEEL-TWA, TEEL-0*3, rat oral TDlo, rat oral LD50
649	Chloroacetic acid; (Monochloroacetic acid)	79-11-8	2	6	25.5	75	TLV-TWA, TEEL-0*3, AEGL-2 , rat 240 min LC50
650	Chloroacetone	78-95-5	0.75	2	16.6	49.2	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
651	Chloroacetonitrile	107-14-2	4	12.5	98.7	207	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
652	Chloroacetyl chloride	79-04-9	0.185	0.185	7.39	240	PAC-1, AEGL-1, AEGL-2, AEGL-3
653	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3	0.4	1.25	7.5	200	TEEL-1/3, TEEL-2/7, rabbit skin TDlo, rat oral LD50
654	Chloroaniline, p-	106-47-8	0.0025	0.0075	0.05	250	TEEL-1/3, TEEL-2/7, rat TClo, rat 240 min LC50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
655	Chlorobenzene; (Benzene chloride)	108-90-7	46	46	690	1,840	PAC-1, AEGL-1, AEGL-2, AEGL-3
656	Chlorobenzotrifluoride, 2-	88-16-4	6	20	125	500	Rat oral LD50
657	Chlorobenzylate; (4,4'-Dichlorobenzilic acid ethyl ester)	510-15-6	1.5	4	30	300	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
658	Chlorobenzylidene malononitrile, o-; (Tear Gas)	2698-41-1	0.05	0.050	0.50	11	PAC-1, AEGL-1, AEGL-2, AEGL-3
659	Chlorobutane, 1-; (Butyl chloride)	109-69-3	30	75	600	3,000	Rat oral TDlo, rat 240 min LClo
660	Chlorobutane, 2-; (sec-Butyl chloride)	78-86-4	1.5	5	35	12,500	Mouse ip TDlo, rat 240 min LClo
661	Chlorobutyryl chloride, 4-	4635-59-0	2.5	7.5	50	250	Rat 240 min LC50
662	Chlorocyclohexanol, trans-2-	6628-80-4	3.5	10	75	400	Rat oral LD50
663	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	100	300	2,500	12,500	SAR
664	Chlorodecane, 1-	1002-69-3	350	1,000	1,500	7,500	Alkane REL-TWA, TEEL-0*3, REL-C, TEEL-2*5
665	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	8.94	35	200	500	REL-TWA, TEEL-3/35, TEEL-3/5, rat 15 min LC50
666	Chlorodifluoromethane; (Freon 22; CFC 22)	75-45-6	3,500	4,000	30,000	30,000	TLV-TWA, REL-STEL, TEEL-3, rat 15 min LC50
667	Chloroethanesulfonyl chloride, 2-	1622-32-8	1.25	3.5	25	150	TEEL-2/21, TEEL-2/7, LOC, rat 240 min LC50
668	Chloroethyl chloroformate	627-11-2	4	12.5	20	20	TEEL-2/21, TEEL-2/7, adjusted LOC, rat 240 min LC50
669	Chloroethyl phenyl sulfide, 2-	5535-49-9	0.5	1.5	10	50	TEEL-3/105, TEEL-3/35, TEEL-3/5, estimated rat 240 min LC50
670	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	1	3.5	20	100	Rat 240 min LClo
671	Chloroethylchloromethylsulfide, 2-	2625-76-5	0.02	0.06	0.1	1.5	Sulfur mustard (505-60-2) AEGLs

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
672	Chloroform	67-66-3	10	10	312	15,600	TEEL-1, REL-STEL, AEGL-2, AEGL-3
673	Chloroform-d; (Deuterated chloroform)	865-49-6	10	10	300	15,000	Chloroform (67-66-3) PAC values used
674	Chloro-m-cresol, 4-	59-50-7	7.5	20	150	500	Rat oral LD50
675	Chloromethyl methyl ether	107-30-2	0.075	0.2	1.55	6.58	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
676	Chloromethyl(trichloro)silane	1558-25-4	1.5	4.51	54.9	248	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
677	Chloronaphthalene, 1-; (alpha-Chloronaphthalene)	90-13-1	6	20	125	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500mg/m ³ max
678	Chloronaphthalene, 2-; (beta-Chloronaphthalene)	91-58-7	0.2	0.6	150	500	Finland TLV-TWA and STEL, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
679	Chloronitrobenzene, p-; (p-Nitrochlorobenzene)	100-00-5	1	6	40	100	PEL-TWA, TEEL-2/7, rat TCLo, IDLH
680	Chloroperoxybenzoic acid, 3-	937-14-4	0.3	1	6	35	Mouse skin TDLo
681	Chlorophacinone	3691-35-8	0.2	0.6	1	1	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
682	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	250	400	400	400	Human 480 min TClo, mouse 120 min LClo
683	Chlorophenol, m-	108-43-0	0.3	0.75	6	250	Mouse skin TDLo, rat oral LD50
684	Chlorophenol, o-	95-57-8	7.5	25	150	400	TEEL-1/3, TEEL-2/7, mouse oral TDLo, rat 360 min LClo
685	Chlorophenyl phenyl ether, 4-	7005-72-3	0.0025	0.0075	0.05	0.25	Human LClo
686	Chlorophenyl thiourea, 2-	5344-82-1	0.75	2.5	4.6	4.6	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
687	Chloropicrin/Methyl bromide mixture	8004-09-9	0.33	0.33	1	9.31	0 15 Chloropicrin to 0 85 Methyl chloride limits
688	Chloropicrin/Methyl chloride mixture	z-0007	0.17	0.17	0.5	4.66	0 30 Chloropicrin to 0 70 Methyl chloride limits

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
689	Chloropicrin; (Trichloronitromethane)	76-06-2	0.336	0.336	1.01	9.41	PAC-1, AEGL-1, AEGL-2, AEGL-3
690	Chloroprene; (beta-Chloroprene; Neoprene)	126-99-8	3.5	3.5	3.5	1,000	TEEL-2, TEEL-2, REL-C, IDLH
691	Chloropropanol, 3-; (1-Propanol, 3-chloro)	627-30-5	10	30	200	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
692	Chloropropionitrile, 3-	542-76-7	1.5	5	9	40	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
693	Chloropropyltrimethoxysilane, 3-; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	75	250	1,500	3,000	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50
694	Chloropropylene, 2-	557-98-2	3,000	10,000	60,000	1.00E+05	TEEL-1/3, TEEL-2/7, rat TCLo, mouse 120 min LC50
695	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	1.5	5	8	500	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
696	Chloro-p-toluenesulfonamide sodium salt, N-; (Chloramine T)	127-65-1	0.075	0.25	2	250	PAC-2/21, PAC-2/7, dog iv TDlo, mouse uk LDlo
697	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7	1.00E-03	0.003	0.04	0.125	Used Sarin PAC
698	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5	0.25	0.75	5	25	Rat sc LD50
699	Chlorosulfonic acid; (Chlorosulfuric acid)	7790-94-5	0.1	0.10	4.4	25	PAC-1, AEGL-1, AEGL-2, AEGL-3
700	Chloroethalonil; (Tetrachloroisophthalonitrile)	1897-45-6	3	7.5	30	30	Rat oral TDlo, rat 60 min LC50
701	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	250	400	2,500	2,500	TLV-TWA, REL-STEL, rat 240 min LClo
702	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	75	200	1,500	4,000	TEEL-1/3, TEEL-2/7, rat oral TDLo, mouse 120 min LC50
703	Chlorotrifluoroethene, homopolymer	9002-83-9	0.015	0.04	0.3	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat 240 min LClo exceeds 500 mg/m ³ max
704	Chlorotrifluoroethylene	79-38-9	25	76.2	409	2,000	WEEL-TWA, AEGL-1, AEGL-2, AEGL-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
705	Chlorotrifluoromethane; (CFC-13)	75-72-9	4,000	12,500	20,000	1.00E+05	MAK-TWA TEEL-0*3, TEEL-0*5, TEEL-0*25
706	Chlorovinylarsine dichloride; (Lewisite 1)	541-25-3	0.12	0.12	0.12	0.74	PAC-2, PAC-2, AEGL-2, AEGL-3
707	Chloroxuron	1982-47-4	2	6	10	500	TEEL-1/3, TEEL-2*3/5, LOC, rat 360 min LC50
708	Chlorpyrifos; (Dursban)	2921-88-2	0.1	0.6	15	20	TLV-TWA, REL-STEL, mouse oral TDLo, rat 240 min LC50
709	Chlorsulfuran	64902-72-3	0.125	0.35	2.5	500	Rat oral TDLo, rat 240 min LC50 minimum
710	Chlorthiophos	21923-23-9	0.35	1	7.8	7.8	TEEL-2/21, TEEL-2/7, LOC, TEEL-2
711	Chromates	13907-45-4	0.112	0.112	0.116	33.5	Cr (VI) TLV-TWA, TEEL-0, PEL-C, IDLH
712	Chromic acetate; (Chromium(III) acetate)	1066-30-4	1	3	5	25	TEEL-3/25, TEEL-0*3, TEEL-0*5, IDLH
713	Chromic chloride; (Chromium(III) chloride)	10025-73-7	1.52	4.57	10	76.1	PEL-TWA, TEEL-0*3, rat intratesticular TDLo, IDLH
714	Chromic oxide; (Chromium(III) oxide; Chromium sesquioxide)	1308-38-9	0.731	15	36.5	36.5	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
715	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	1.89	5.66	9.43	94.3	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
716	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	0.00962	0.00962	0.01	28.8	PEL-TWA, TEEL-0, human TCLo, IDLH
717	Chromic(III) hydroxide; (Chromic acid (H ₃ CrO ₃); Chromium trihydroxide)	1308-14-1	1.51	7.5	60	75.5	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
718	Chromic(VI) acid: (Chromic acid ester)	7738-94-5	0.113	0.15	1.18	34	TLV-TWA, TEEL-2/7, PEL-C, IDLH
719	Chromite; (Chromite (mineral))	1308-31-2	0.108	0.323	0.538	500	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
720	Chromium	7440-47-3	1	1	1	250	PEL-TWA, TEEL-0, TEEL-0, IDLH
721	Chromium nitrate	10103-47-6	4.74	14.2	23.7	237	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
722	Chromium nitrate nonahydrate	7789-02-8	3.85	11.5	25	192	PEL-TWA, TEEL-0*3, rat intraperitoneal TDLo, IDLH
723	Chromium perchlorate, hydrated	13537-21-8	3.37	10.1	16.8	168	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
724	Chromium(III) acetate hydroxide	39430-51-8	1	3	5	25	TEEL-3/25, TEEL-0*3, TEEL-0*5, IDLH
725	Chromium(III) chloride, hexahydrate	10060-12-5	2.56	7.69	128	128	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
726	Chromium(III) fluoride	7788-97-8	1.05	3.14	5.24	52.4	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
727	Chromium(III) nitrate	13548-38-4	2.29	6.87	11.4	114	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
728	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2	0.817	1	7.5	40.9	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
729	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	4.8	14.4	40	240	PEL-TWA, T-0*3, rat subcutaneous TDLo, IDLH
730	Chromium(VI) hydroxide	z-0124	0.0148	0.0889	0.15	44.4	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
731	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	1.18	3.55	7.5	500	PEL-TWA, TEEL-0*3, rat intraperitoneal TDLo, IDLH
732	Chrysene (coal tar volatile)	218-01-9	0.2	0.6	4	80	PEL-TWA, TEEL-0*3, mouse oral TDLo, IDLH
733	Cinnamaldehyde	104-55-2	1.25	4	30	500	TEEL-1/3, TEEL-2/7, mouse skin TDLo, rat oral LD50 exceeds 500 mg/m ³ max
734	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	0.5	1.5	10	1,500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
735	Citric acid	77-92-9	6	15	125	500	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50
736	Citric acid monohydrate	5949-29-1	1.5	4	30	150	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat ip LD50
737	Citric acid, trisodium salt, dihydrate	6132-04-3	6	20	125	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, Rat ip LD50 exceeds 500 mg/m ³ max
738	Coal tar pitch volatiles; (Particulate polycyclic aromatic hydrocarbons)	65996-93-2	0.2	0.6	30	80	PEL-TWA, TEEL-0*3, rat TCLo, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
739	Coal tar, aerosol	8007-45-2	0.4	1.25	7.5	500	TEEL-1/3, TEEL-2/7, rat TCLo, rabbit skin LD50 exceeds 500 mg/m ³ max
740	Cobalt	7440-48-4	0.02	0.3	2	20	TLV-TWA, TEEL-2/7, LOC, IDLH
741	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	3	7.5	60	300	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
742	Cobalt carbonyl	10210-68-1	0.27	0.27	27	60	LOC, LOC, adjusted LOC, rat 240 min LC50
743	Cobalt chloride	7646-79-9	0.0441	0.132	25	500	TLV-TWA, TEEL-0*3, child oral TDLo, child oral LDLo exceeds 500 mg/m ³ max
744	Cobalt hydrocarbonyl	16842-03-8	0.292	0.292	0.9	3	TLV-TWA, TEEL-0, ERPG-2, ERPG-3
745	Cobalt hydroxide	21041-93-0	0.0315	0.0946	0.158	0.75	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-2*5
746	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	0.0988	0.296	0.5	300	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
747	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	0.0621	0.186	1.5	150	TLV-TWA, TEEL-0*3, rat oral TDLo rat oral LD50
748	Cobalt nitrite	32486-57-0	0.0512	0.154	0.256	1.25	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-2*5
749	Cobalt oxide	1308-06-1	0.0272	0.0817	0.136	27.2	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
750	Cobalt sulfate	10124-43-3	0.0526	0.158	6	150	TLV-TWA, TEEL-0*3, rabbit oral TDLo rat oral LD50
751	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	0.0954	0.286	250	250	TLV-TWA, TEEL-0*3, rat TCLo, TEEL-2
752	Cobalt tetraphenylporphine	14172-90-8	10	30	50	250	Used PNOS default
753	Cobalt(II) chloride hexahydrate	7791-13-1	0.0808	0.242	20	350	TLV-TWA, TEEL-0*3, rat sc TDLo, rat oral LD50
754	Cobalt(II) oxide	1307-96-6	0.0254	0.0763	20	25.4	TLV-TWA, TEEL-0*3, rat intratracheal TDLo, IDLH
755	Cobalt(II) perchlorate, hexahydrate	13478-33-6	0.124	0.373	0.621	60	TLV-TWA, TEEL-0*3, TEEL-0*5, mouse ip LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
756	Cobalt(II) sulfate hydrate	60459-08-7	0.0587	0.176	0.3	1.5	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-2*5
757	Cobalt, ((2,2'-(1,2-ethanediybis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-; (Fluomine)	62207-76-5	0.15	0.4	3	15	TEEL-2/21, TEEL-2/7, LOC, rat 360 min LC50
758	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7	0.0742	0.223	0.371	150	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
759	Cobaltous carbonate	513-79-1	0.0404	0.121	0.202	250	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
760	Colchicine	64-86-8	0.04	0.125	0.9	0.9	TEEL-2/21, TEEL-2/7, LOC, TEEL-2
761	Copper	7440-50-8	1	3	5	100	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
762	Copper cyanide; (Copper(I) cyanide; Cuprous cyanide)	544-92-3	1.41	1.41	5	25	PEL-TWA, TEEL-0, TEEL-3/5, CN IDLH
763	Copper hydroxide; (Copper(II) hydroxide, Cupric hydroxide)	20427-59-2	1.54	4.61	7.68	154	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
764	Copper nitrate; (Cupric nitrate)	3251-23-8	2.95	7.5	60	295	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
765	Copper oxide; (Copper(I) oxide)	1317-39-1	0.1	0.25	1.5	100	PEL-TWA, TEEL-2/7, rat TCLo, IDLH
766	Copper sulfate; (Copper(II) sulfate)	7758-98-7	2.51	2.51	6	251	PEL-TWA, TEEL-0, human oral TDlo, IDLH
767	Copper(I) chloride; (Cuprous chloride)	7758-89-6	1.56	4.67	7.79	156	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
768	Copper(I) sulfide	22205-45-4	1.25	3.76	6.26	125	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
769	Copper(II) acetate monohydrate	6046-93-1	3.14	7.5	60	314	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
770	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	1.74	5.22	8.7	174	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
771	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	2.12	6.35	10.6	212	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
772	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	2.68	8.05	13.4	268	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
773	Copper(II) oxalate	814-91-5	2.42	7.25	12.5	242	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
774	Copper(II) perchlorate, dihydrate	17031-32-2	4.7	14.1	23.5	470	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
775	Copper(II) sulfate pentahydrate	7758-99-8	3.93	11.8	150	393	PEL-TWA, TEEL-0*3, human oral TDlo, idlh
776	Copper(II) sulfide	1317-40-4	1.5	4.51	7.52	150	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
777	Corn oil	8001-30-7	40	100	500	500	TEEL-2/21, TEEL-2/7, rat intramuscular TDlo, rat oral LD50 minimum
778	Coumaphos	56-72-4	0.05	0.15	30	125	TLV-TWA, TEEL-0*3, LOC, rat LC50
779	Coumarin	91-64-5	0.025	0.075	0.6	125	TEEL-2/21, TEEL-2/7, woman oral TDlo, rat oral LD50
780	Coumatetralyl; (Endrocide)	5836-29-3	3	10	16.5	16.5	TEEL-2/5, TEEL-2*3/5, LOC, LOC
781	Creosote (coal tar)	8001-58-9	0.2	35	80	80	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
782	Cresols	1319-77-3	20	20	110	1,000	PEL-TWA, TEEL-0, LOC, IDLH
783	Cresyl violet acetate	10510-54-0	10	30	50	250	Used PNOS default
784	Crimidine; (Castrix)	535-89-7	0.25	0.75	1.2	1.2	TEEL-2/5, TEEL-2*3/5, LOC, LOC
785	Cristobalite	14464-46-1	0.025	0.075	2	25	TLV-TWA, TEEL-0*3, human TCLo, IDLH
786	Crocidolite	12001-28-4	0.005	0.05	10	250	PEL-TWA, PEL-STEL, rat TClo, rat ip LDlo
787	Crotonaldehyde	4170-30-3	0.544	0.544	12.6	40.1	PAC-1, AEGL-1, AEGL-2, AEGL-3
788	Crotonaldehyde, trans-	123-73-9	0.15	0.544	12.6	40.1	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
789	Crotonic Acid	3724-65-0	4	12.5	75	400	Rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
790	Crystal violet; (Aniline violet)	548-62-9	0.075	0.25	1.5	150	Rat ip TDLo, rat oral LD50
791	Cs7SB; (1-(2,2,3,3-Tetrafluoropropoxy)-3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	11.1	30	200	500	Fluoride exposure limits; TEEL-3 exceeds 500 mg/m ³ max
792	Cube Resin other than Rotenone	z-0122	0.125	0.35	2.5	12.5	TEEL-2/21, TEEL-2/7, rat TCLo, TEEL-2*5
793	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	6	30	150	150	WEEL-TWA, TEEL-2/7, rat TClo, rat LC50
794	Cumene; (Isopropyl benzene)	98-82-8	246	246	1,470	3,590	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
795	Cumenol methylcarbamate, m-; (3-(1-Methylethyl)phenol methylcarbamate)	64-00-6	3	10	16	16	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
796	Cupferron; (Ammonium-N-nitrosophenylhydroxylamine)	135-20-6	7.5	25	75	75	rat oral TDLo, rat oral LD50
797	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	2.86	2.86	3.5	286	PEL-TWA, TEEL-0, rat subcutaneous TDLo, rat oral LD50
798	Cupric nitrate hemipentahydrate	19004-19-4	3.8	10	75	380	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
799	Cupric nitrite	14984-71-5	0.035	0.075	0.6	60	SAR
800	Cupric oxide	1317-38-0	0.125	0.751	1.25	125	PEL-TWA TLV-TWA*3, TLV-TWA*5, IDLH
801	Cyanamide	420-04-2	2	2	2	7.5	TLV-TWA, TEEL-0, TEEL-0, rat 240 min LCLo
802	Cyanic acid; (Hydrogen cyanate)	420-05-3	15	40	75	350	PEL-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
803	Cyanide	57-12-5	5	5	5	25	PEL-TWA, TEEL-0, TEEL-0, IDLH
804	Cyanoacetamide	107-91-5	6	20	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse oral LD50
805	Cyanogen	460-19-5	4.25	4.25	17.7	53.2	PAC-1, AEGL-1, AEGL-2, AEGL-3
806	Cyanogen bromide	506-68-3	20.4	20.4	44	102	PEL-TWA, TEEL-0, LOC, IDLH

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

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
807	Cyanogen chloride	506-77-4	0.05	0.15	1	10	PAC-2/21, PAC-2/7, ERPG-2, ERPG-3
808	Cyanogen iodide	506-78-5	29.4	29.4	147	147	PEL-TWA, TEEL-0, TEEL-3, IDLH
809	Cyanoguanidene; (Guanidine, cyano-, Dicyandiamido)	461-58-5	0.5	1.5	10	200	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50
810	Cyanophos	2636-26-2	1.25	3.5	25	25	TEEL-2/21, TEEL-2/7, LOC, TEEL-2
811	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	10	10	25	500	WEEL-TWA, TEEL-0 rat oral TDLo, rat oral LD50
812	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	0.17	0.17	0.17	43.3	TEEL-2, TEEL-2, LOC, IDLH
813	Cyclohexane	110-82-7	1,000	1,000	1,000	4,000	PEL-TWA, TEEL-0, TEEL-0, IDLH
814	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	10	30	50	250	Used PNOS default
815	Cyclohexanediamine, 1,2-	694-83-7	3	10	60	350	PAC-1/3, TEEL-2/7, TEEL-3/5, rat 240 min LCLo
816	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	12.5	40	250	500	Rat oral LD50
817	Cyclohexanol	108-93-0	200	200	200	1,500	PEL-TWA, TEEL-0, TEEL-0, IDLH
818	Cyclohexanone; (Ketoexamethylene)	108-94-1	200	200	200	2,500	PEL-TWA, TEEL-0, TEEL-0, IDLH
819	Cyclohexene	110-83-8	1,000	1,000	1,500	6,000	PEL-TWA, TEEL-0, rat TCLo, IDLH
820	Cycloheximide	66-81-9	0.1	0.3	2	2	TEEL-1/3, TEEL-2/7, LOC, LOC
821	Cyclohexyl isocyanate	3173-53-3	0.02	0.06	0.1	0.512	PAC-1/3, PAC-2*3/5, PAC-3/5, AEGL-3
822	Cyclohexyl methyl phosphonic acid	1932-60-1	10	30	50	250	Used PNOS default
823	Cyclohexylamine	108-91-8	7.3	7.3	34.9	122	PAC-1, AEGL-1, AEGL-2, AEGL-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
824	Cyclohexylamino)-1-propanesulfonic acid, 3-(-; (CAPS)	1135-40-6	1.25	4	25	125	TEEL-1/3, TEEL-2/7, TEEL-3/5, quail oral LD50 minimum
825	Cyclohexylethanol, 2-	4442-79-9	4	10	75	400	TEEL-1/3, TEEL-2/7, TEEL-3/5, Rat oral LD50
826	Cyclooctadiene, 1,5-	111-78-4	400	1,250	7,500	40,000	TEEL-1/3, TEEL-2/7, TEEL-3/5, Rat LCLo
827	Cyclooctane	292-64-8	20	60	500	2,500	TEEL-1/3, TEEL-2/7, TEEL-3/5, estimated rat 240 minute LC50
828	Cyclooctatetraene, 1,3,5,7-	629-20-9	2.50E+05	2.50E+05	1.00E+06	1.50E+06	Simple asphyxiant
829	Cyclooctene, cis-	931-87-3	3.5	10	60	350	Estimated LD50 based on HHR
830	Cyclopentane	287-92-3	1,500	5,000	10,000	40,000	TLV-TWA, TLV-TWA*3, LOC, rat 240 minute LC50
831	Cyclopentanone	120-92-3	75	75	150	2,000	Danish OEL, TEEL-0, mammalian TClo, rat LC50
832	Cyclopropane	75-19-4	300	1,000	6,000	1.00E+05	Human TCLo, mouse 120 min TCLo
833	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	0.04	0.125	0.75	500	Rat oral TDlo, rat oral LD50
834	Cyclotol; (RDX-TNT mixture)	8065-53-0	0.6	3	15	60	60% RDX TO 40% TNT mixture
835	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	0.5	3	40	40	TLV-TWA, REL-STEL, child oral TDLo, rat oral LD50
836	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	7.5	25	150	500	Mouse ip LDlo minimum
837	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	3.5	10	150	500	SAR
838	DDD; (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	1.5	5	35	500	TEEL-2/21, TEEL-2/7, human oral TDLo, human oral LDLo
839	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	6	20	125	400	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50
840	DDT; (Dichlorodiphenyltrichloroethane)	50-29-3	1	1	2	500	PEL-TWA, TEEL-0, human oral TDlo, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
841	DEAE Sepharose CL-6B	62610-50-8	10	30	50	250	Used PNOS default
842	Decaborane	17702-41-9	0.3	0.75	10	15	PEL-TWA, TLV-STEL, LOC, IDLH
843	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	2,000	2,000	4,000	12,500	DuPont OEL-TWA, TEEL-0, OEL-C, rat 240 min LC50
844	Decahydronaphthalene	91-17-8	2.5	7.5	50	400	TEEL-2/21, TEEL-2/7, human TClo, rat 240 min LC50
845	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	2.5	7.5	50	400	Human TClo, rat 240 min LC50
846	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	2.5	7.5	50	400	Human TClo, rat 240 min LC50
847	Decamethylcyclopentasiloxane	541-02-6	500	1,000	1,000	1,000	TEEL-2/21, TEEL-3, TEEL-3, rat 240 min LCLo minimum
848	Decanal	112-31-2	15	40	300	1,500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
849	Decane	124-18-5	0.4	1	7.5	25,000	TEEL-1/3, TEEL-2/7, mouse skin TDLo, mouse 120 min LC50
850	Decene, 1-, homopolymer, hydrogenated	68037-01-4	10	30	50	250	Used PNOS default
851	Decyl alcohol; (1-Decanol)	112-30-1	4	12.5	75	500	Rabbit TClo, rat oral LD50
852	Demeton	8065-48-3	0.1	0.15	2	10	PEL-TWA, TLV-TWA*3, LOC, IDLH
853	Demeton-S-methyl	919-86-8	0.05	0.15	5	200	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
854	Deoxyribonucleic acid; (DNA)	9007-49-2	12.5	35	250	500	Mouse ip LDlo minimum
855	Deuterium	7782-39-0	10,000	10,000	35,000	60,000	Simple asphyxiant
856	Deuterium oxide; (Heavy water)	7789-20-0	4	12.5	75	400	TEEL-2/21, TEEL-2/7, mouse oral TDLo, TEEL-2*5
857	Deuteriochloric acid; (Deuterium chloride)	7698-05-7	0.75	2.5	35	150	Used HCl (CASRN 7647-01-0) PAC values

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
858	Dextran	9004-54-0	0.35	1	6	500	Women iv TDLo, mouse sc LD50
859	Dextran sulfate sodium	9011-18-1	15	40	300	500	Rat oral TDLo, rat oral LD50
860	Di(ethylene glycol) diacrylate	4074-88-8	1	3	20	100	Rat oral LD50
861	Di-2-ethylhexyl adipate	103-23-1	4	12.5	75	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
862	Diacetoxydibutyl stannane	1067-33-0	0.296	0.592	7.5	73.9	Sn organic PEL-TWA, TLV-STEL, rat oral TDLo preg, IDLH
863	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	7.5	20	150	500	TEEL-1/3, TEEL-2/7, mouse uk TDLo, TEEL-2*5 exceeds 500 mg/m ³ max
864	Dialifor	10311-84-9	1	3	5	5	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
865	Diallyl phthalate	131-17-9	5	50	250	250	UK OEL-TWA, TEEL-2/7, rat oral TDLo, rat 60 min LC50
866	Diallyldimethylammonium chloride	7398-69-8	25	75	500	500	TEEL-1/3, TEEL-2/7, mammal oral TDLo and mouse oral LD50 exceed 50 mg/m ³ max
867	Diallyldimethylammonium chloride polymer	26062-79-3	12.5	35	250	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
868	Diamino-6-(2'-methylimidazol-1-yl)ethyl-s-triazine, 2,4-; (1,3,5-Triazine-2,4-diamine, 6-(2-(2-methyl-1H-imidazol-1-yl)ethyl)-; Curezol 2MEA-PW)	38668-46-1	10	30	50	250	Used PNOS default
869	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	0.5	1.5	10	300	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
870	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	1	3	20	400	TEEL-1/3, TEEL-2/7, human oral TDLo, rat oral LD50
871	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	3	7.5	60	300	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
872	Diaminopyridine, 2,6-	141-86-6	0.4	1.25	7.5	40	TEEL-1/3, TEEL-2/7, TEEL-3/5 mouse intrapitoneal LD50
873	Diammonium dimolybdate; (Ammonium molybdenum oxide)	27546-07-2	0.881	2.64	4.4	500	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
874	Diamond	7782-40-3	7.5	20	150	500	Mouse ip TDLo and ip LD50
875	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	0.1	0.35	2.5	7.5	Rat oral TDLo, rat oral LDLo
876	Diatomaceous earth (flux calcinated; Filter agent, celite; Amorphous silica)	68855-54-9	0.3	0.9	1.5	500	MAK-TWA, TEEL-0*3, TEEL-0*5, IDLH
877	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-2	6	18	30	500	REL-TWA, TEEL-0*3, TEEL-0*5, IDLH
878	Diatomaceous silica, calcined	91053-39-3	0.3	0.9	1.5	500	MAK-TWA, TEEL-0*3, TEEL-0*5, IDLH
879	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	1	3	20	500	Rat oral TDLo, rat oral LD50
880	Diazabicyclo(5.4.0)undec-7-ene, 1,8-	6674-22-2	1.5	5	35	150	Rat oral LD50 based on HHR = 3
881	Diazoacetic acid, ethyl ester; (Ethyl diazoacetate)	623-73-4	0.2	0.6	4	150	Rat oral TDLo, rat oral LD50
882	Diazomethane	334-88-3	0.35	1	3.5	3.5	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
883	Dibenza(a,h)anthracene	53-70-3	0.2	0.6	5	15	TEEL-1/3, TEEL-2/7, mouse oral TDLo, mouse intravenous LDLo
884	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	0.005	0.015	0.1	0.5	TEEL-1/3, TEEL-2/7, mouse skin TDLo, TEEL-2*5
885	Dibenzofuran	132-64-9	10	30	50	250	PNOS default used
886	Dibenzo-p-dioxin	262-12-4	1.5	4	30	500	Mouse skin TDLo, rat oral LD50
887	Diborane	19287-45-7	0.1	0.15	1.1	4.18	PEL-TWA, PAC-2/7, AEGL-2, AEGL-3
888	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	0.01	10	10	10	PEL-TWA, TEEL-3, TEEL-3, rat 240 min LC50
889	Dibromo-4-nitrophenol, 2,6-	99-28-5	0.4	1.25	10	50	Mouse iv LD50
890	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	40	125	150	150	TEEL-1/3, TEEL-2/7, TEEL-3, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
891	Dibromohexane, 1,6-	629-03-8	1	3.5	20	100	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse intraperitoneal LD50
892	Dibromomethane; (Methylene dibromide)	74-95-3	60	200	1,500	7,500	PAC-2/21, PAC-2/7, rat TClo, rat 120 min LC50
893	Dibromophenol, 2,6-	608-33-3	0.5	0.5	2.5	2.5	SAR
894	Dibromopropane, 1,3-	109-64-8	2	6	40	200	Mouse ip LD50
895	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	1,500	5,000	35,000	1.50E+05	Rat 120 min LC50
896	Dibutyl (2-ethylhexyl)phosphate	z-0011	2.5	7.5	7.5	7.5	SAR
897	Dibutyl butylphosphonate	78-46-6	0.4	1.25	10	50	Mouse iv LD50
898	Dibutyl peroxide, tert-	110-05-4	7.5	20	150	2,500	Rat TClo, rat 240 min LC50
899	Dibutyl phosphate	107-66-4	7.5	15	50	250	PEL-TWA, REL-STEL, TEEL-3/5, IDLH
900	Dibutyl phosphite	1809-19-4	20	60	400	500	TEEL-2/21, TEEL-2/7, rat LC50 minimum, rat oral LD50
901	Dibutyl phthalate	84-74-2	5	10	75	500	PEL-TWA, TEEL-2/7, human oral TDLo, IDLH exceeds 500 mg/m ³ max
902	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	12	36.1	60.1	500	Fluoride exposure limits
903	Dibutylhexamethylenediamine, N,N'-	4835-11-4	1	3	22	75	TEEL-2/21, TEEL-2/7, adjusted LOC, rat 240 min LC50
904	Dibutyltin dilaurate; (Dibutylbis(lauroyloxy)stannane)	77-58-7	0.532	1.06	35	133	PEL-TWA, TLV-STEL, PAC-3, IDLH
905	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	0.004	0.0125	0.075	500	Mouse oral TDLo, rat oral LD50
906	Dichloro(4,4-dimethylzinc - 5((((methylamino)carbonyl oxy)-imino)pentanenitrile), (trans-4)-; (Ethienocarb)	58270-08-9	1.5	5	9	9	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
907	Dichloro-1,1,1-trifluoroethane, 2,2-; (HCFC-123)	306-83-2	300	750	6,250	62,500	WEEL-TWA, WEEL-TWA*3, ERPG-2, ERPG-3
908	Dichloro-1-fluoroethane, 1,1-; (HCFC-141b; Freon 141)	1717-00-6	2,500	4,780	8,130	14,300	WEEL-TWA, AEGL-1, AEGL-2, AEGL-3
909	Dichloro-2-butene, 1,4-	764-41-0	0.025	3	20	250	TLV-TWA, TEEL-2/7, rat TCLo, mouse LC50
910	Dichloro-2-propanol, 1,3-	96-23-1	30	100	250	250	TEEL-1/3, TEEL-2/7, TEEL-3, rat 240 min TCLo
911	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	2.5	7.5	13	13	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
912	Dichloroacetic acid	79-43-6	2.5	50	400	1,250	TLV-TWA, TEEL-2/7, rat oral TDLo, rat oral LD50
913	Dichloroacetyl chloride	79-36-7	0.075	0.241	9.64	313	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
914	Dichloroacetylene	7572-29-4	2	6	40	150	TEEL-2/21, TEEL-2/7, TLV-C, mouse 360 min LC50
915	Dichloroamine; (Chlorimide)	3400-09-7	1	3	20	100	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral TDLo
916	Dichlorobenzene, m-	541-73-1	12.5	25	150	400	MAK-TWA, TEEL-2/7, rat oral TDLo, mouse intraperitoneal LD50
917	Dichlorobenzene, o-	95-50-1	150	300	300	1,250	TLV-TWA, TLV-STEL, PEL-C, IDLH
918	Dichlorobenzene, p-	106-46-7	60	60	60	750	TLV-TWA, TEEL-0, TEEL-0, IDLH
919	Dichlorobenzidene, 3,3'-	91-94-1	2	6	40	1,500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
920	Dichlorocyclohexane, 1,1-	2108-92-1	1.5	4	35	150	SAR
921	Dichlorocyclohexane, trans-1,2-	822-86-6	0.25	0.75	6	30	Used 1-,1-dichlorocyclohexane (CASRN 2108-92-1) PAC values
922	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	5,000	15,000	50,000	75,000	PEL-TWA, TEEL-0*3, EEGL-60 min, IDLH
923	Dichloroethanol acetate, 1,2-	10140-87-1	2	6	11	40	TEEL-1/3, TEEL-2*3/5, LOC, rat 240 min LClo

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
924	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane; Bis(2-chloroethyl)ether)	111-44-4	30	60	150	600	TLV-TWA, TLV-STEL, LOC, IDLH
925	Dichloroethylaluminum	563-43-9	9.41	10	10	10	soluble Al salts REL-TWA, Russian STEL, TEEL-1, TEEL-1
926	Dichloroethylbenzene; (Ethylchlorobenzene)	1331-29-9	20	60	500	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
927	Dichloroethylene, 1,2-	540-59-0	750	750	750	4,000	PEL-TWA, TEEL-0, TEEL-0, IDLH
928	Dichloroethylene, cis-1,2-	156-59-2	555	555	1,980	3,370	PAC-1, AEGL-1, AEGL-2, AEGL-3
929	Dichloroethylene, trans-1,2-	156-60-5	750	1,110	3,960	6,740	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
930	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	40	6,000	20,000	20,000	TLV-TWA, TEEL-2/7, IDLH, IDLH
931	Dichlorohexane, 1,2-	2162-92-7	1.5	5	40	200	SAR
932	Dichlorohexane, 1,6-	2163-00-0	15	50	350	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, estimated rat oral LDLo
933	Dichloroisopropyl ether	108-60-1	2	6	40	300	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat 60 min LCLo
934	Dichloromethane-d2	1665-00-5	75	600	2,000	25,000	Used methylene chloride (75-09-2) PAC values
935	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	5	15	40	40	TEEL-1/3, TEEL-2/7, TEEL-3, rat 240 min LCLo
936	Dichloromethyl ether; (bis(Chloromethyl)ether)	542-88-1	0.004	0.03	0.207	0.846	TLV-TWA, AEGL-2/7, AEGL-2, AEGL-3
937	Dichloromethylphenylsilane	149-74-6	1	3	20	20	TEEL-2/21, TEEL-2/7, LOC, TEEL-2
938	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	0.5	1.5	10	50	Rat 240 min LC50, based on SAX hazard rating
939	Dichlorooctane, 1,8-	2162-99-4	10	30	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, estimated rat oral LD 50
940	Dichlorophene	97-23-4	6	15	125	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
941	Dichlorophenol, 2,4-	120-83-2	1.34	1.34	13.4	134	WEEL-TWA, ERPG-1, ERPG-2, ERPG-3
942	Dichlorophenol, 2,6-	87-65-0	12.5	35	250	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral exceeds 500 mg/m ³ max
943	Dichlorophenoxyacetic acid, 2,4-; (2,4-D)	94-75-7	10	10	40	100	PEL-TWA, TEEL-0, rat oral TDLo, IDLH
944	Dichloropropane	26638-19-7	20	60	400	1,500	Used 1,3-dichloropropane (142-28-9) PAC values.
945	Dichloropropane, 1,1-	78-99-9	15	50	400	2,000	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat 240 min LC50
946	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	40	1,000	1,500	1,500	TL V-TWA, TEEL-2/7, IDLH, IDLH
947	Dichloropropane, 1,3-	142-28-9	25	75	500	1,500	TEEL-2/21, TEEL-2/7, rat oral TDLo, mouse uk LD50
948	Dichloropropane, 2,2-	594-20-7	100	300	2,000	10,000	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 360 min LClo minimum
949	Dichloropropene, 1,1-	563-58-6	7.5	25	150	750	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
950	Dichloropropene, 1,2-	563-54-2	7.5	25	150	750	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
951	Dichloropropene, 1,3-	542-75-6	4	100	600	2,000	TLV-TWA, TEEL-2/7, human TClo, mouse 120 min LC50
952	Dichloropropene, 2,3-	78-88-6	1	3	20	400	TEEL-2/21, TEEL-2/7, mammal TClo, mouse LC50
953	Dichloropropene, cis-1,2-; (1,2-Dichloro-1-propene, (Z)-)	6923-20-2	7.5	25	150	750	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
954	Dichloropropene, cis-1,3-	10061-01-5	0.2	0.6	4	20	TEEL-1/3, TEEL-2/7, rat subcutaneous TDLo, TEEL-2*5
955	Dichloropropene, trans-1,3-	10061-02-6	4	75	600	750	Used 1,3-dichloropropene (542-75-6) PAC values
956	Dichlorosilane	4109-96-0	1.25	3.72	45.4	206	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
957	Dichlorotetrafluoroethane	1320-37-2	75,000	2.00E+05	5.00E+05	5.00E+05	TEEL-1/3, TEEL-2/7, TEEL-3, mouse 30 min Lclo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
958	Dichlorotetrafluoroethane, 1,2-; (Freon 114, CFC 114)	76-14-2	6,000	75,000	1.00E+05	1.00E+05	PEL-TWA, TEEL-2/7, EEGL-60 min, IDLH
959	Dichlorovos; (Dichlorvos)	62-73-7	0.1	0.3	20	100	TLV-TWA, TEEL-0*3, LOC, IDLH
960	Dicrotophos	141-66-2	0.05	0.15	0.9	40	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
961	Dicyclohexano-18-crown-6	16069-36-6	0.2	0.6	4	75	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
962	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	7.5	25	150	500	Rat oral LD50 based on assumed HHR
963	Dicyclohexylcarbodiimide	538-75-0	0.0035	0.01	0.06	100	Mouse skin TDLo, rat 360 min LC50
964	Dicyclopentadiene	77-73-6	0.11	0.11	27	406	PAC-1, ERPG-1, ERPG-2, ERPG-3
965	Didecyldimethylammonium chloride	7173-51-5	1.5	5	35	35	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
966	Dieldrin	60-57-1	0.25	0.3	25	50	PEL-TWA, TLV-TWA*3, rat oral TDLo, IDLH
967	Diesel fuel marine; (Diesel fuel No. 4)	z-0012	100	350	500	500	TLV-TWA, TEEL-2/7, mouse dermal TDLo, rat oral LD50
968	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	100	125	500	500	TLV-TWA, TEEL-2/7, rabbit dermal TDLo, rat oral LD50
969	Diesel fuels	68334-30-5	100	250	500	500	TLV-TWA, TEEL-2/7, rat TClo, rat oral LD50
970	Diethanolamine	111-42-2	1	25	150	300	TLV-TWA, TEEL-2/7, rat TClo, rat oral LD50
971	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (Dowex 50-X8 resin)	69011-20-7	10	30	50	250	Used PNOS default
972	Diethoxydimethylsilane	78-62-6	30	75	600	3,000	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat 480 min LC50
973	Diethyl (methylthiomethyl) phosphonate	28460-01-7	0.4	1.25	7.5	40	rat oral LD50 based on Methyl demeton methyl
974	Diethyl benzene isomers; (Dowtherm J)	25340-17-4	25	55	550	2,750	WEEL-TWA, ERPG-1, ERPG-2, ERPG-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
975	Diethyl carbonate	105-58-8	12.5	40	300	1,500	Mouse oral TDLo, rat subcutaneous LD50
976	Diethyl chlorophosphate	814-49-3	1.5	5	8	8	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
977	Diethyl ethylphosphonate	78-38-6	2	6	40	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
978	Diethyl malonate; (Ethyl malonate)	105-53-3	60	150	1,250	6,000	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
979	Diethyl mercury	627-44-1	0.0129	0.0387	0.0516	2.58	As Hg, PEL-TWA, TLV-STEL, PEL-C, IDLH
980	Diethyl methylphosphonate; (DEMP)	683-08-9	7.5	25	200	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse ip LD50 exceeds 500 mg/m ³ max
981	Diethyl oxalate	95-92-1	1.5	5	35	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
982	Diethyl phosphite	762-04-9	15	50	350	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
983	Diethyl phthalate; (Ethyl phthalate)	84-66-2	5	15	100	500	TLV-TWA, TLV-TWA*3, , human TCLo, rat oral LD50 exceeds 500 mg/m ³ max
984	Diethyl pyrocarbonate	1609-47-8	10	30	200	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat 60 min LCLo exceed 500 mg/m ³ max
985	Diethyl sulfate	64-67-5	0.4	1.25	10	150	Female rat iv TDLo, rat 240 min LCLo
986	Diethyl tartrate	87-91-2	10	30	50	250	PNOS default used
987	Diethyl telluride	627-54-3	0.1	0.3	6	10	OEL-TWA, TEEL-0*3, rat TCLo, rat LC50
988	Diethyl trichloromethylphosphonate	866-23-9	3	7.5	60	300	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intraperitoneal LD50
989	Diethylamine	109-89-7	15	40	200	600	TLV-TWA, TLV-STEL, rat TCLo, IDLH
990	Diethylaminoacetone	1620-14-0	2.5	7.5	50	250	SAR
991	Diethylaminopropylamine	104-78-9	2	6	50	250	Rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
992	Diethylaniline, N,N-	91-66-7	7.5	20	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 240 min LC50
993	Diethylbenzene, m-	141-93-5	40	125	500	500	Rat oral LDlo
994	Diethylbenzene, o-	135-01-3	1.5	5	35	500	Rat oral TDlo, rat oral LDlo
995	Diethyldichlorosilane	1719-53-5	2	5.78	70.6	321	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
996	Diethylene glycol	111-46-6	10	200	750	750	WEEL-TWA, TEEL-2/7, TEEL-3, human oral LDlo
997	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	15	50	350	500	Rat oral LD50
998	Diethylene glycol diacetate; (2,2'-Oxybisethanol diacetate)	628-68-2	100	300	500	500	Rat oral LDlo
999	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	25	75	2,000	2,000	MAK-TWA, TEEL-0*3, TEEL-3, rat oral LD50
1000	Diethylene glycol hexyl ether; (n-Hexyl carbitol)	112-59-4	7.5	25	150	500	Rabbit skin TDlo, rat oral LD50
1001	Diethylenetriamine	111-40-0	4	4	6	7.5	TLV-TWA, TEEL-0, rabbit oral TDlo, rat oral LD50
1002	Diethylenetriaminepentaacetic acid	67-43-6	2.5	7.5	50	250	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat ip LD50
1003	Diethylethanolamine, N,N-; (Diethylaminoethanol)	100-37-8	10	12.5	100	500	TLV-TWA, TEEL-2/7, human TCLo, IDLH
1004	Diethylphosphatoethyltriethoxy silane	757-44-8	75	200	500	500	Rat oral LD50
1005	Diethylstilbestrol; ((E)-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol)	56-53-1	0.025	0.075	0.6	15	Women oral TDlo, rat ip LD 50
1006	Diethylthiourea, N,N'-	105-55-5	0.6	1.5	12.5	125	Rat oral TDlo, rat oral LD50
1007	Diethylurea, 1,3-	623-76-7	25	75	500	2,500	Mouse ip LDlo
1008	Diethylzinc	557-20-0	0.5	1.5	10	50	PAC-3/105, PAC-3/35, PAC-3/5, rat 240 min LC50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1009	Difluoroethane; (1,1-Difluoroethane; HFC 152a)	75-37-6	2,500	27,000	40,600	67,600	WEEL-TWA, ERPG-1, ERPG-2, ERPG-3
1010	Digitoxin	71-63-6	0.0075	0.025	0.18	0.25	TEEL-2/21, TEEL-2/7, LOC, human oral LDlo
1011	Diglycidyl ether	2238-07-5	0.05	50	50	50	TLV-TWA, TEEL-3, TEEL-3, IDLH
1012	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	20	60	400	500	TEEL-2/21, TEEL-2/7, rat TClo, rat oral LD50
1013	Digoxin	20830-75-5	0.04	0.125	0.2	0.35	TEEL-2/5, TEEL-2*3/5, LOC, infant iv LDlo
1014	Dihexyl((diethylcarbamoyl)methyl)phosphonate ; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	4	12.5	75	400	Rat oral LD50
1015	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	2	6	40	500	Rat oral TDlo, rat oral LD50
1016	Dihydro-2H-pyran, 3,4-	110-87-2	1.25	4	30	150	Estimated rat 240 min LC50 based on HR
1017	Dihydro-3-(nonenyl)-2,5-furandione	28928-97-4	10	30	50	250	Used PNOS default
1018	Dihydro-4-methyl furan, 2,3-	34314-83-5	1.5	5	35	150	Rat 240 min LC50 based on methyl furan
1019	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	0.0042	0.25	1.5	8.4	As Pt, PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
1020	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	0.3	1	6	35	Mouse ip LD50
1021	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	5	15	100	500	Rat oral LD50
1022	Dihydroxyanthraquinone, 1,8-; (Dantron)	117-10-2	0.04	0.125	0.75	500	TEEL-1/3, TEEL-2/7, rat oral TDlo, rat ip LD50
1023	Dihydroxybenzoic acid, 2,4-	89-86-1	1	3	20	350	Preg rat sc TDlo, mouse ip LD50 minimum
1024	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	10	30	50	250	Used PNOS default
1025	Diiodomethane; (Methylene iodide)	75-11-6	75	200	500	500	Child oral LDlo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1026	Diisoamylamine	544-00-3	30	100	150	750	TLV-TWA estimated
1027	Diisobutyl ketone	108-83-8	300	300	300	3,000	PEL-TWA, TEEL-0, TEEL-0, IDLH
1028	Diisobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	10	30	50	5,000	REL-TWA, TEEL-0*3, TEEL-0*5, guinea pig 60 min LClo
1029	Diisobutylamine	110-96-3	1	3	20	100	Rat oral LD50
1030	Diisooctyl acid phosphate	27215-10-7	7.5	25	150	500	Estimated rat oral LD50
1031	Diisopropyl methylphosphonate	1445-75-6	2	6	40	350	TEEL-2/21, TEEL-2/7, mammal oral TDlo, rat oral LD50
1032	Diisopropyl peroxydicarbonate	105-64-6	7.5	25	150	500	Rat oral LD50
1033	Diisopropylamine	108-18-9	20	40	300	750	PEL-TWA, TEEL-2/7, mouse TClo, IDLH
1034	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	0.0125	0.035	0.25	1.25	Rat 240 min LD50
1035	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0	2.5	7.5	50	250	Rat 360 min LC50
1036	Diisopropylaniline, 2,6-	24544-04-5	35	100	500	500	Rat oral TDlo, rat oral LD50
1037	Diisopropylbenzene, 1,3-	99-62-7	150	500	500	500	Rat TClo, rat 120 min LClo
1038	Diisopropylethylamine, N,N-	7087-68-5	10	30	200	1,000	Rat 240 min LC50 assumed from HHR = 2
1039	Diisopropylfluorophosphate; (Phosphorofluoric acid, bis(1-methylethyl) ester)	55-91-4	0.75	2	3.6	3.6	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1040	Diisopropyl naphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	12.5	40	300	500	Mouse oral LD50
1041	Diketene; (Ketene dimer)	674-82-8	1	3.44	20.6	61.8	PAC-1/3, ERPG-1, AEGL-2, AEGL-3
1042	Dilauroyl peroxide	105-74-8	0.003	0.01	0.06	0.35	Mouse skin TDlo

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1043	Dimefox; (bis(Dimethylamido)fluorophosphate)	115-26-4	0.2	0.6	1	1	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1044	Dimethoate	60-51-5	6	15	30	30	TEEL-2/5, TEEL-2*3/5LOC, TEEL-2
1045	Dimethoxybenzene, 1,3-	151-10-0	3.5	10	75	400	Mouse ip LD50
1046	Dimethoxybenzene, o-	91-16-7	3.5	10	75	400	Rat oral LD50
1047	Dimethoxybenzidine 3,3'-; (o-Dianisidine)	119-90-4	40	125	500	500	TEEL-2/21, TEEL-2/7, 500 mg/m ³ max, 500 mg/m ³ max
1048	Dimethoxybutane, 1,3-	10143-66-5	40	100	750	4,000	Rat 240 min LClo
1049	Dimethoxybutane, 2,2-	3453-99-4	35	100	750	4,000	Estimted rat 240 min LClo
1050	Dimethoxydiphenylsilane	6843-66-9	0.15	0.5	3.5	15	Rat 240 min LC minimum
1051	Dimethoxyethane, 1,2-	110-71-4	12.5	40	300	4,000	Mouse oral TDlo, rat 360 min LClo
1052	Dimethoxypropane, 2,2-	77-76-9	1.5	5	35	150	Rat 240 min LC50 based on HHR = 3
1053	Dimethylglyoxime; (Diacetyldioxime)	95-45-4	2	6	40	200	Rat oral LDlo
1054	Dimethyl butane, 2,2-	75-83-2	1,500	1,500	1,500	7,500	TLV-TWA, TLV-STEL, REL-C
1055	Dimethyl carbamoyl chloride	79-44-7	0.02	0.5	4	100	TLV-TWA, TEEL-2/7, rat TClo, rat 360 min LC50
1056	Dimethyl carbonate	616-38-6	50	150	1,000	5,000	Rat oral LD50
1057	Dimethyl cyclopentanol, 1,3-	19550-46-0	10	30	50	250	Used PNOS default
1058	Dimethyl disulfide	624-92-0	2	6	193	963	TLV-TWA, TEEL-0*3, ERPG-2, ERPG-3
1059	Dimethyl mercury	593-74-8	0.0115	0.0345	0.046	2.3	PEL-TWA, TLV-STEL, PEL-C, IDLH

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1060	Dimethyl methylphosphonate; (DMMP)	756-79-6	100	350	500	500	Mouse oral TDlo, rat oral LD50
1061	Dimethyl phosphite	868-85-9	4	12.5	95	150	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
1062	Dimethyl phosphorochlorodithioate	2524-03-0	1.5	4	32	150	TEEL-2/21, TEEL-2/7, adjusted LOC, rat oral LD50
1063	Dimethyl siloxane; (Dimethylpolysiloxane; Syltherm XLT; Syltherm 800; Silicone 360)	63148-62-9	15	50	350	500	TEEL-1/3, TEEL-2/7, rat subcutaneous TDLo, rat oral LD50 minimum exceeds 500 mg/m ³ max
1064	Dimethyl sulfate	77-78-1	0.124	0.124	0.619	8.25	PAC-1, AEGL-1, AEGL-3, AEGL-3
1065	Dimethyl sulfide; (2-Thiopropene)	75-18-3	25	350	2,540	12,700	TLV-TWA, ERPG-2/7, ERPG-2, ERPG-3
1066	Dimethyl sulfone	67-71-0	20	60	400	500	Rat oral LD50 minimum
1067	Dimethyl sulfoxide; (DMSO)	67-68-5	750	2,500	4,000	6,000	WEEL-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
1068	Dimethyl(1-phenylethyl)benzene	40766-31-2	4	12.5	75	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
1069	Dimethyl(polysiloxane); (Polydimethylsiloxane, silanol terminated; Dimethylsiloxane, poly, hydroxy end-blocked)	70131-67-8	250	500	500	500	Rat oral LD50 minimum
1070	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	30	75	600	3,000	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1071	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	10	30	200	750	Rat oral TDlo, rat oral LD50
1072	Dimethyl-1-butanamine, N,N-	927-62-8	200	500	500	500	Rat 240 min LClo
1073	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	1.5	5	35	150	Rat oral 240 min LC50 based on HHR
1074	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	10	30	50	250	Used PNOS default
1075	Dimethyl-3-pentanone, 2,4-	565-80-0	25	75	500	4,000	Human 180 min TClo, rat 240 min LC50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1076	Dimethyl-5-phenylphenazinium chloride, 3,7-diamino-2,8-; (Safranine; Gossypimine)	477-73-6	0.25	0.75	5	25	Rat iv LD50
1077	Dimethylacetamide, N,N-	127-19-5	35	250	1,000	1,000	PEL-TWA, TEEL-2/7, IDLH, IDLH
1078	Dimethylacrylamide, N,N-	2680-03-7	0.6	1.5	12.5	200	TEEL-1/3, TEEL-2/7, rat skin TDLo, mouse oral LD50
1079	Dimethylamine	124-40-3	18.4	18.4	122	461	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
1080	Dimethylamino)benzaldehyde, p-(	100-10-7	7.5	25	150	250	Rat ipTDLo, rat ip LD50
1081	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, p-((p-; (Methyl orange, sodium salt)	547-58-0	0.25	0.75	5	25	Rat oral LD50
1082	Dimethylaminoazobenzene, 4-	60-11-7	4	12.5	75	75	TEEL-1/3, TEEL-2/7, mouse ip TDLo, rat oral LD50
1083	Dimethylaminocyclohexane, N,N-	98-94-2	4	10	75	400	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 120 min LC50
1084	Dimethylaminoethanol, 2-	108-01-0	40	125	600	600	Rat TClo, rat 240 min LC50
1085	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	0.6	2	15	100	Rat oral TDlo, rat oral LD50
1086	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	1.5	5	35	150	Rat oral LD50 based on assumed HHR - 3
1087	Dimethylaniline, N,N-	121-69-7	25	50	50	500	PEL-TWA, TLV-STEL, PAC-1, IDLH
1088	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	0.1	0.3	2	100	TEEL-2/21, TEEL-2/7, REL-C, mouse intraperitoneal LDLo
1089	Dimethylbutyric acid, 2,2-	595-37-9	7.5	25	150	500	Rat oral LD50 based on HHR = 2
1090	Dimethylchlorosilane; (Chlorodimethylsilane)	1066-35-9	2	6.96	85.1	387	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1091	Dimethylcyclohexane, cis-1,4-	624-29-3	3.5	10	60	350	Estimated rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1092	Dimethyldecane, 2,2-	17302-37-3	350	350	1,500	7,500	NIOSH limits for Alkanes used
1093	Dimethyldichlorosilane	75-78-5	1.5	4.75	58	264	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1094	Dimethyldicyclopentadiene	26472-00-4	7.5	25	200	500	Rat TClo, rat oral LD50
1095	Dimethyldimethoxysilane	1112-39-6	20	60	400	500	Rat 240 LClo minimum
1096	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	3	10	60	200	Guinea pig TClo, rat oral LD50
1097	Dimethylformamide, N,N-	68-12-2	6	6	272	1,580	PAC-1, ERPG-1, AEGL-2, AEGL-3
1098	Dimethylheptane, 2,2-	1071-26-7	350	350	1,500	7,500	NIOSH limits for Alkanes used
1099	Dimethylhexane, 3,3-	563-16-6	350	350	1,500	7,500	NIOSH limits for Alkanes used
1100	Dimethylhydrazine, 1,1-	57-14-7	0.025	1	7.37	27	TLV-TWA, PAC-2/7, AEGL-2, AEGL-3
1101	Dimethylhydrazine, 1,2-	540-73-8	1.5	4	7.37	27	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
1102	Dimethylimidazole, 1,2-	1739-84-0	4	12.5	75	400	Mouse ip LD50
1103	Dimethylisopropylamine, N,N-	996-35-0	3.6	10.8	18	75	MAK-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1104	Dimethylnonane, 4,5-	17302-23-7	750	1,500	4,000	7,500	Estimated OEL TWA
1105	Dimethyloctane, 3,5-	15869-93-9	600	1,000	3,000	6,000	Estimated OEL TWA
1106	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	0.3	1	6	500	TEEL-1/3, TEEL-2/7, mouse skin TDLo, rat oral LD50 exceeds 500 mg/m ³ max
1107	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	0.75	2	15	125	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50
1108	Dimethylphthalate	131-11-3	5	15	25	500	PEL-TWA, TEEL-0*3, human skin TDLo, IDLH exceeds 500 mg/m ³ max

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1109	Dimethylpolysilane; (Poly(dimethylsilane))	28883-63-8	100	300	2,000	10,000	Based on Trimethoxysilane ERPGs using x = 5 in MF
1110	Dimethyl-p-phenylenediamine, N,N-	99-98-9	0.025	0.075	0.13	1	TEEL-1/3, TEEL-2*3/5, LOC, rabbit 240 min LCLo
1111	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	1,500	1,500	1,500	4,000	TEEL-2, TEEL-2, REL-C, IDLH
1112	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	0.75	2.5	15	75	Rat oral LD50
1113	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	10	30	50	250	Used PNOS default
1114	Dimetilan	644-64-4	5	15	25	25	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
1115	Di-n-amylamine	2050-92-2	0.4	1.25	7.5	40	Rat 240 min LClo
1116	Di-n-butylamine	111-92-2	12.5	35	250	250	TEEL-2/21, TEEL-2/7, adjusted WEEL-C, rat 240 min LCLo
1117	Dinitraniline orange; (Hansa orange RN)	3468-63-1	10	30	50	250	Used PNOS default
1118	Dinitroaniline, 2,4-	97-02-9	0.035	0.1	0.75	12.5	TEEL-1/3, TEEL-2/7, pregnant rat TCLo, rat oral LD50
1119	Dinitrobenzene, m-	99-65-0	1	3	5	50	PEL-TWA TEEL-0*3, human skin TDLo, IDLH
1120	Dinitrobenzene, o-	528-29-0	1	3	5	50	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1121	Dinitrobenzene, p-	100-25-4	1	3	5	50	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1122	Dinitro-o-cresol, 4,6-	534-52-1	0.2	0.2	0.5	5	PEL-TWA, TEEL-0, LOC, IDLH
1123	Dinitrophenol	25550-58-7	0.035	0.1	0.75	4	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse subcutaneous LD50
1124	Dinitrophenol, 2,3-	66-56-8	0.75	2	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat ip LD50
1125	Dinitrophenol, 2,4-	51-28-5	1.25	3.5	25	30	TEEL-2/21, TEEL-2/7, rat oral TDLo, human oral LDLo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1126	Dinitrophenol, 2,6-	573-56-8	0.15	0.4	3	15	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat ip LD50
1127	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	2.5	7.5	50	250	Mouse iv LD50
1128	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	0.5	1.5	10	60	Mouse oral TDLo, rat oral LD 50
1129	Dinitrotoluene	25321-14-6	0.2	1.5	12.5	50	TLV-TWA, TEEL-2/7, pregnant rat oral TDLo, IDLH
1130	Dinitrotoluene, 2,4-	121-14-2	0.2	7.5	50	50	TLV-TWA, TEEL-2/7, rat oral TDLo, IDLH
1131	Dinitrotoluene, 2,6-	606-20-2	0.2	15	50	50	TLV-TWA, TEEL-2/7, PAC-3, IDLH
1132	Dinitrotoluene, 3,4-	610-39-9	0.2	0.6	1	50	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
1133	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	0.2	0.6	4.5	4.5	TEEL-1/3, TEEL-2/7, LOC, LOC
1134	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	5	15	25	25	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1135	Diocetyl phthalate, n-	117-84-0	15	50	400	500	TEEL-1/3 TEEL-2/7, rat ip TDLo, rat oral LD50 exceeds 500 mg/m ³ max
1136	Diocetyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	7.5	20	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat iv LD50 exceeds 500 mg/m ³ max
1137	Diocetyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	7.5	20	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
1138	Dioxane, 1,4-; (1,4-Diethyleneoxide)	123-91-1	61.2	61.2	1,150	2,740	PAC-1, AEGL-1, AEGL-2, AEGL-3
1139	Dioxathion	78-34-2	0.1	0.3	3.4	150	TLV-TWA, TEEL-0*3, LOC, rat 60 min LC50
1140	Dioxin; (TCDD; 2,3,7,8-Tetrachlorodibenzo-p-dioxin)	1746-01-6	0.00000001	0.0015	0.0075	0.0075	MAK-TWA, TEEL-2/7, TEEL-3, rat oral LD50
1141	Dioxolane, 1,3-	646-06-0	60	150	210	7,500	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1142	Dipentaerythritol; (Dipentek)	126-58-9	10	30	50	250	Used PNOS default

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1143	Dipentyl pentylphosphonate	6418-56-0	25	75	500	500	TEEL-1/3, TEEL-2/7, rat oral LDLo minimum exceeds 500 mg/m ³ max
1144	Diphacinone; (Diphenadione)	82-66-6	0.15	0.5	0.9	500	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50
1145	Diphenyl chlorophosphate; (Diphenylphosphoryl chloride)	2524-64-3	1	3	20	100	TEEL-3/105, TEEL-3/35, TEEL-3/5, estimated rat 240 min LC50
1146	Diphenyl cresol phosphate	26444-49-5	2.5	7.5	50	500	TEEL-1/3, TEEL-2/7, guinea pig skin TDLo, rat oral LD50 exceeds 500 mg/m ³ max
1147	Diphenyl mercury	587-85-9	0.177	0.177	0.177	17.7	TLV-TWA, TEEL-2, PEL-C, IDLH
1148	Diphenyl; (Biphenyl)	92-52-4	1.25	7.5	60.5	100	PEL-TWA, PAC-2/7, AEGL-2 , IDLH
1149	Diphenylamine	122-39-4	10	100	500	500	TLV-TWA, TEEL-2/5, TEEL-3, rat LD50
1150	Diphenylchloroarsine; (Chlorodiphenylarsine)	712-48-1	0.39	0.39	0.39	1.2	PAC-2, PAC-2, AEGL-2, AEGL-3
1151	Diphenyldichlorosilane	80-10-4	3	9.31	114	517	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1152	Diphenylguanidine, 1,3-	102-06-7	0.2	0.6	4	125	Mouse oral TDLo, rat oral LD50
1153	Diphenylhydrazine, 1,2-	122-66-7	4	12.5	75	400	TEEL-1/3, TEEL-2/7, rat oral TDLo, TEEL-2*5
1154	Diphenylmethane	101-81-5	7.5	25	200	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
1155	Diphenylnitrosamine	86-30-6	7.5	25	150	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
1156	Diphenyloxazole, 2,5-	92-71-7	3	7.5	60	300	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse ip LD50
1157	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	10	30	50	250	Used PNOS default
1158	Dipotassium cadmium oxide	z-0013	0.0099	0.0594	0.1	17.8	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1159	Dipotassium dihydrogen silicate	z-0014	10	30	50	250	Used PNOS default

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1160	Dipotassium metasilicate	10006-28-7	6	15	125	500	SAR
1161	Dipropyl ketone; (4-Heptanone)	123-19-3	200	1,500	1,500	1,500	TLV-TWA, TEEL-3, TEEL-3, rat 360 min LC50
1162	Dipropylamine	142-84-7	0.2	0.6	4	400	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat 240 min LC50
1163	Dipropylene glycol methyl ether	34590-94-8	600	750	1,500	3,500	PEL-TWA, TLV-STEL, rat TClo, rat oral LD50
1164	Direct Black 38; (Apomine black GX)	1937-37-7	25	75	500	500	Mouse oral TDLo, rat 60 min LClo
1165	Di-sec-octylphthalate	117-81-7	5	10	75	500	TLV-TWA, REL-STEL, human oral TDLo, IDLH
1166	Disodium (2-ethylhexyl)phosphate	15505-13-2	0.02	0.06	0.4	2	SAR
1167	Disodium 3,6-endoxohexahydrophthalate	129-67-9	1	3	20	20	Rat oral TDLo, rat oral LD50
1168	Disodium butylphosphate	64114-42-7	0.02	0.06	0.4	2	SAR
1169	Disodium cadmium oxide	z-0016	0.00847	0.0508	0.0847	15.2	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1170	Disodium dihydrogen silicate	z-0017	10	30	50	250	Used PNOS default
1171	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	4	12.5	75	400	SAR
1172	Disodium hexafluorosilicate (2-)	16893-85-9	4.12	4.12	7.5	412	Fluoride PEL-TWA, TEEL-0, rat oral TDLo, fluoride IDLH
1173	Disodium iminodiacetate	928-72-3	35	100	600	3,500	Rat oral LD50
1174	Disulfiram	97-77-8	2	6	10	125	TLV-TWA, TEEL-0*3, TEEL-0*5, human oral LDLo
1175	Disulfoton	298-04-4	0.05	0.15	2	75	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1176	Di-tert-butyl dicarbonate	24424-99-5	0.4	1.25	7.5	40	Rat 240 min LC50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1177	Di-tert-butylhydroquinone, 2,5-	88-58-4	12.5	40	250	400	TEEL-2/21, TEEL-2/7, rat oral TDlo, mouse oral LD50
1178	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	4	12.5	20	20	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1179	Dithiobiuret	541-53-7	1	3	5	5	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1180	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	0.75	2	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1181	Dithioerythritol, 1,4-	6892-68-8	1.25	4	25	125	Mouse intramuscular LD50
1182	Diurethane dimethacrylate	72869-86-4	75	250	500	500	Rat oral toxicity based on HHR
1183	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	50	60	400	2,000	TLV-TWA, TEEL-2/7, TEEL-3/5, mean rat oral LD50
1184	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	50	60	400	2,000	TLV-TWA, rat oral LD50
1185	Dodecamethylcyclohexasiloxane	540-97-6	10	30	50	500	SAR
1186	Dodecane	112-40-3	0.125	0.35	2.5	150	Rabbit skin TDlo, rat 480 min LC50 minimum
1187	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	0.75	0.75	4	20	TLV-TWA, TEEL-0, REL-C, TEEL-2*5
1188	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	10	30	50	250	PNOS default used
1189	Dodeceny succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	10	30	200	500	Rat oral LD50
1190	Dodeceny succinic anhydride	25377-73-5	5	15	100	500	Rat 240 min LClo
1191	Dodecyl alcohol	112-53-8	0.4	1	7.5	500	Mouse skin TDlo, rat oral LD50
1192	Dodecyl methacrylate	142-90-5	50	150	1,000	5,000	Rat ip LD50
1193	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0	2.5	7.5	50	250	Rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1194	Dodecylphenol, 4- (mixture of isomers)	27193-86-8	7.5	25	150	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
1195	Dodecylsarcosine sodium salt, N-; (N-Lauryl sarcosine sodium salt)	7631-98-3	1.5	4	30	150	Mouse iv LD50
1196	Dodecyltrichlorosilane	4484-72-4	2.5	7.45	90.6	410	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1197	Dowex 50WX4 (50-400 ion exchange resin)	11113-61-4	10	30	50	250	Used PNOS default
1198	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	10	30	50	250	Used PNOS default
1199	Dysprosium	7429-91-6	10	30	50	250	Used PNOS default
1200	Dysprosium nickelide	12175-27-8	10	30	50	250	Used PNOS default
1201	Dysprosium nitrate	10143-38-1	10	30	200	500	Rat oral LD50
1202	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	20	60	400	500	Rat oral LD50 minimum
1203	Ecolite	z-0018	20	60	400	500	Rat oral LD50
1204	Emetine dihydrochloride, l-	316-42-7	0.05	0.15	0.4	0.4	TEEL-2/21, TEEL-2/7, TEEL-3, human sc LDlo
1205	Endosulfan	115-29-7	0.1	0.3	8	200	TLV-TWA, TEEL-0*3, adjusted LOC, human oral LDLo
1206	Endothion	2778-04-3	3.5	10	17	17	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1207	Endrin	72-20-8	0.1	0.3	2	2	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
1208	Epibatidine	140111-52-0	0.0015	0.004	0.025	0.025	TEEL-2/21, TEEL-2/7, rat ip TDlo, rat ip LD50
1209	Epibromohydrin	3132-64-7	1.25	3.5	25	125	Mouse ip LD50
1210	Epichlorohydrin	106-89-8	1.5	21.6	90.8	272	TLV-TWA, AEGL-1, AEGL-2, AEGL-3

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1211	Epinephrine; (Vasotonin; (R)-4-(1-Hydroxy-2-(methylamino)ethyl)-1,2-benzenediol)	51-43-4	0.0025	0.0025	0.0025	0.0025	TEEL-3, TEEL-3, TEEL-3, human subcutaneous LDLo
1212	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	0.1	0.3	5	5	TLV-TWA, TLV-TWA*3, LOC, IDLH
1213	Epoxy resin (EPON 1001)	25068-38-6a	125	350	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1214	Epoxy resin (EPON 1007)	25068-38-6b	125	350	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1215	Epoxy resin (EPON 820)	25068-38-6c	50	150	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1216	Epoxy resin ERL-2795	25068-38-6d	40	125	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1217	Epoxy resin, cured; (4,4'-(1-Methylethylidene)biscyclohexanol, polymer with (chloromethyl)oxirane)	30583-72-3	10	30	50	250	Used PNOS default
1218	Epoxy resin; (Bisphenol A-Bisphenol A diglycidyl ether polymer)	25036-25-3	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50-estimated exceeds 500 mg/m ³ max
1219	Epoxy resin; (Epichlorhydrin, polymer with diethylene glycol)	25928-94-3	0.06	0.2	1.25	6	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat 240 min LCLo
1220	Epoxybutane, 1,2-; (1,2-Butylene oxide)	106-88-7	6	212	413	973	WEEL-TWA, AEGL-1, AEGL-2, AEGL-3
1221	Epoxyethyl)-7-oxabicyclo(4.1.0)heptane, 3-; (Vinyl cyclohexene dioxide)	106-87-6	0.6	2	12.5	500	TLV-TWA, TEEL-2/7, rat skin TDLo, rat 240 min LC50
1222	Erbium nitrate pentahydrate	10031-51-3	10	30	50	250	Used PNOS default
1223	Erbium(III) nitrate	10168-80-6	0.75	2	15	75	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat intraperitoneal LD50
1224	Erbium(III) nitrate hexahydrate	13476-05-6	1	3	20	100	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat intraperitoneal LD50
1225	Erbium(III) oxide	12061-16-4	20	60	400	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50 minimum
1226	Ergocalciferol; (Vitamin D2)	50-14-6	7.5	25	40	40	TEEL-1/3, TEEL-2*3/5, LOC, TEEL-2

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1227	Ergotamine tartrate	379-79-3	2	6	10	60	TEEL-2/5, TEEL-2*3/5, LOC, rat intravenous LD50
1228	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	10	30	50	250	Used PNOS default
1229	Ethanaminium, N,N,N-triethyl-, iodide (1:1); (Tetraethylammoniumiodide; Ammonium, tetraethyl-, iodide)	68-05-3	0.105	0.4	3	15	TLV-TWA, TEEL-2/7, TEEL-3/5, mouse intraperitoneal LD50
1230	Ethane	74-84-0	1,250	3,500	6,000	30,000	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1231	Ethanedioic acid, dimethyl ester	553-90-2	4	12.5	75	400	Rat oral LD minimum
1232	Ethanedithiol, 1,2-	540-63-6	1.25	4	30	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse oral LD50
1233	Ethanediy)bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	15	50	400	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
1234	Ethanediy)bis(N-(carboxymethyl)glycine), N,N'-1,2-, dipotassium salt	2001-94-7	1.5	5	40	200	Mouse ip LD50
1235	Ethanediy)bis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	10	30	50	250	Used PNOS default
1236	Ethanthiol; (Ethyl mercaptan)	75-08-1	1.25	2.54	305	914	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
1237	Ethanol, titanium(4+) salt	3087-36-3	10	30	50	250	Used PNOS default
1238	Ethanolamine	141-43-5	7.5	15	60	75	PEL-TWA, TLV-STEL, TEEL-3, IDLH
1239	Ethenylsilanetriol triacetate	4130-08-9	10	30	50	250	Used PNOS default
1240	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	0.15	0.5	4	20	Mouse sc LD50
1241	Ethion	563-12-2	0.05	0.15	13	350	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1242	Ethoxyethanol, 2-	110-80-5	15	15	15	1,500	TLV-TWA, TEEL-0, TEEL-0, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1243	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	125	150	1,000	2,000	WEEL-TWA, human TDLo, rat oral LD50
1244	Ethoxyethyl methacrylate, 2-	2370-63-0	4	12.5	75	400	Estimated rat oral LD50
1245	Ethoxyethylacetate, 2-	111-15-9	25	25	40	2,500	TLV-TWA, TEEL-0, rat TCLo, IDLH
1246	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-; (Checkmate)	74051-80-2	12.5	40	250	500	Rat oral LD50
1247	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6	5	15	100	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1248	Ethoxylated alcohols, C7-C21	68991-48-0	10	30	50	250	Used PNOS default
1249	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	2	6	40	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
1250	Ethyl (or dimethyl) pyrrolidine	z-0020	5	15	100	500	SAR
1251	Ethyl acetate	141-78-6	1,500	1,500	1,500	7,500	PEL-TWA, TEEL-0, TEEL-0, IDLH
1252	Ethyl acetoacetate	141-97-9	15	50	350	500	TEEL-1/3, TEEL-2/7, rat oral LD50 exceeds 500 mg/m ³ max
1253	Ethyl acrylate	140-88-5	20	34	147	982	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
1254	Ethyl alcohol; (Ethanol)	64-17-5	750	3,380	6,200	6,200	MAK-TWA, ERPG-1, ERPG-2 , IDLH
1255	Ethyl alcohol-d; (Ethanol-d)	925-93-9	2,000	2,000	2,000	6,000	Used ethanol (64-17-5) PAC values
1256	Ethyl benzene	100-41-4	143	143	4,770	7,810	PAC-1, AEGL-1, AEGL-2, AEGL-3
1257	Ethyl benzoate	93-89-0	7.5	25	150	500	Rat oral LD50
1258	Ethyl bromoacetate	105-36-2	0.006	0.02	0.125	0.6	Mouse skin TDLo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1259	Ethyl butyl ketone; (3-Heptanone)	106-35-4	200	350	750	4,000	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
1260	Ethyl cellulose	9004-57-3	20	60	400	500	Rat oral LD50 minimum
1261	Ethyl chloride; (Chloroethane)	75-00-3	250	600	4,000	10,000	TLV-TWA, TEEL-2/7, human TCLo, IDLH
1262	Ethyl chloroacetate	105-39-5	0.75	2	15	75	Rat oral LD50
1263	Ethyl chloroformate	541-41-3	4	4	7.1	21.3	UK OEL-TWA, OEL-TWA, AEGL-2, AEGL-3
1264	Ethyl dimethylamido-cyanophosphate; (Tabun; GA)	77-81-6	7.50E-04	0.00278	0.0351	0.258	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1265	Ethyl ether	60-29-7	1,250	1,500	1,500	6,000	PEL-TWA, TLV-STEL, TEEL-1, IDLH
1266	Ethyl formate	109-94-4	300	750	1,500	4,000	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1267	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	5	75	500	500	TLV-TWA, PAC-2/7, rat oral TDlo, rat oral LD50
1268	Ethyl isocyanate	109-90-0	0.0075	0.02	0.154	0.465	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
1269	Ethyl lactate; (Ethyl (S)-(-)-lactate)	687-47-8	15	40	300	500	Mouse oral LD50
1270	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	0.0132	0.0396	2.64	2.64	PEL-TWA, TLV-STEL, PAC-3, IDLH
1271	Ethyl methacrylate; (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	200	600	4,000	4,000	Pregnant rat TClo, rat 240 min LC50
1272	Ethyl nitrite	109-95-5	2	6	40	200	Rat 240 min LC50
1273	Ethyl O-2-diisopropylaminoethylmethylphosphonite, O-; (QL)	57856-11-8	10	30	50	250	Used PNOS default
1274	Ethyl propionate	105-37-3	35	100	750	4,000	Rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1275	Ethyl S,S-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	5	15	26	26	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1276	Ethyl sec-amyl ketone; (5-Methyl-3-heptanone)	541-85-5	125	125	125	500	PEL-TWA, TEEL-0, TEEL-0, IDLH
1277	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	10	30	50	250	PNOS TLV-TWA default used
1278	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	75	250	1,500	4,000	Rat oral TDLo, rat 480 min LClo minimum
1279	Ethyl-1-hexanol, 2-	104-76-7	0.53	0.53	532	1,070	PAC-1, ERPG-1, ERPG-2, ERPG-3
1280	Ethyl-2-methylheptane, 3-	14676-29-0	75	250	2,000	10,000	Estimated rat LD50
1281	Ethyl-2-methyloctane, 6-	62016-19-7	2	6	40	200	PAC-3/105, PAC-3/35, PAC-3/5, undecane rat oral LD50
1282	Ethyl-2-oxazoline, 2-	10431-98-8	0.4	1.25	7.5	40	PAC-3/105, PAC-3/35/ PAC-3/5, rat 240-min LC50 (based on estimated HHR = 3)
1283	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid ethyl ester)	120-47-8	250	500	500	500	TEEL-1/3, TEEL-2/7 and rat oral TDLo and mouse oral LD50 exceed 500 mg/m ³ max
1284	Ethyl-5-methylheptane, 3-	52896-90-9	0.4	1	7.5	25,000	Mouse skin TDLo, mouse 120 min LC50
1285	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3	0.001	0.003	0.02	0.1	TEEL-2/21, TEEL-2/7, rat oral TDLo, TEEL-2*5
1286	Ethylamine; (Monoethylamine; Ethylamine anhydrous)	75-04-7	13.8	13.8	90.3	498	PAC-1, AEGL-1, AEGL-2, AEGL-3
1287	Ethylbenzaldehyde, 2-	22927-13-5	50	150	1,000	6,000	Estimated rat LC50
1288	Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine; Nitrogen mustard-1)	538-07-8	0.004	0.0125	0.022	0.37	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
1289	Ethylchlorothioformate	2941-64-2	0.25	0.75	1.41	4.28	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1290	Ethyldichloroarsine; (Dichloroethylarsine)	598-14-1	0.029	0.029	0.029	0.086	PAC-2, PAC-2, AEGL-2, AEGL-3
1291	Ethylene	74-85-1	200	600	1,500	10,000	TLV-TWA, TEEL-0*3, rat TCLo, mammal 5 min LCLo
1292	Ethylene chlorohydrin; (2-Chloroethanol)	107-07-3	3	3	13.2	39.5	MAK-TWA, TEEL-0, AEGL-2, AEGL-3
1293	Ethylene dibromide; (Dibromoethane)	106-93-4	131	131	184	353	PAC-1 AEGL-1, AEGL-2, AEGL-3
1294	Ethylene dichloride; (1,2-Dichloroethane)	107-06-2	40	202	810	1,210	TLV-TWA, ERPG-1, ERPG-2, ERPG-3
1295	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	0.0125	0.04	0.0699	3.5	TEEL-2/5, TEEL-2*3/5, LOC, rat 10 min LC50
1296	Ethylene glycol	107-21-1	25	25	100	150	MAK-TWA, TEEL-0, EEGL-60 min, EEGL-30 min
1297	Ethylene glycol diacetate	111-55-7	25	75	500	500	Rat TClo, rat oral LD50
1298	Ethylene glycol dimethacrylate	97-90-5	12.5	40	300	500	Rat oral LD50
1299	Ethylene glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	0.5	1.5	25	1,000	TLV-TWA, TEEL-0*3, human TClo, IDLH
1300	Ethylene glycol monomethyl ether; (2-Methoxyethanol; EGME; Methyl Cellosolve(R))	109-86-4	0.3	1	7.5	600	TLV-TWA, TEEL-2/7, human TClo, IDLH
1301	Ethylene glycol monopropyl ether; (Propyl cellosolve; Ektasolve EP)	2807-30-9	75	75	350	4,000	MAK-TWA, TEEL-2/7, rat TClo, rat 240 min LC50
1302	Ethylene glycol mono-sec-butyl ether	7795-91-7	3	10	60	350	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
1303	Ethylene oxide; (Oxirane)	75-21-8	1.5	7.5	81	360	PEL-TWA, PEL-STEL, AEGL-2, AEGL-3
1304	Ethylene/vinyl acetate copolmer	24937-78-8	10	30	50	250	Used PNOS default
1305	Ethylenediamine dihydrochloride	333-18-6	0.1	0.3	2	60	Rat oral TDlo, rat im LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1306	Ethylenediamine, 1,2-	107-15-3	23.8	23.8	23.8	49.1	PAC-2, PAC-2, AEGL-2, AEGL-3
1307	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	60	150	500	500	Pregnant rat oral TDLo, rat oral LD50
1308	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	10	30	50	250	Used PNOS default
1309	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	2.5	7.5	50	250	Mouse intraperitoneal LD50
1310	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	7.5	25	150	500	Estimated rat oral LD50 from HHR
1311	Ethylenediaminetetraacetic acid, tetrasodium salt; (Tetrasodium EDTA)	64-02-8	40	125	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1312	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	40	125	150	150	TEEL-2/21, TEEL-2/7, TEEL-3, rat intraperitoneal LD50
1313	Ethylenedinitrilo)tetra-2-propanol, 1,1',1'',1'''-(	102-60-3	15	50	350	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, mammalian LD50 exceeds 500 mg/m ³ max
1314	Ethyleneimine	151-56-4	0.075	0.15	8.1	17.4	TLV-TWA, TLV-STEL AEGL-2, AEGL-3
1315	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	0.75	2.5	15	500	TEEL-1/3, TEEL-2/7, pregnant rat TCLo, rat oral LD50 exceeds 500 mg/m ³ max
1316	Ethylheptane, 4-	2216-32-2	15	50	350	1,500	Estimated rat oral LD 50 based on HHR
1317	Ethylhexyl acrylate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	35	75	75	75	MAK-TWA, TEEL-3, TEEL-3, mouse TCLo
1318	Ethylhexyl bromide, 2-	18908-66-2	10	30	50	250	Used PNOS default
1319	Ethylhexylchloroformate, 2-	24468-13-1	0.35	1	7.64	22.8	PAC-1/3, PAC-2/7, AEGL-2, AEGL-3
1320	Ethylhexyloxy)ethanol, 2-(2-	1559-35-9	100	350	500	500	TEEL-1/3, TEEL-2/7, rat oral TDLo and rat oral LD50 exceed 500 mg/m ³ max
1321	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	400	3,000	12,500	12,500	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
1322	Ethylidene norbornene	16219-75-3	0.3	0.982	491	2,460	PAC-1/3, ERPG-1, ERPG-2, ERPG-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1323	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	10	30	50	250	PNOS default used
1324	Ethylphosphorodichloridate	1498-51-7	0.2	0.6	4	40	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
1325	Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)	50782-69-9	6.00E-05	1.75E-04	0.00295	0.00995	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1326	Ethylthiocyanate	542-90-5	20	60	100	100	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1327	Ethyltoluene, o-	611-14-3	500	500	500	500	TEEL-1/3, TEEL-2/7, rat TCLo, mouse 240 min LC50 - all PACs exceed 500 mg/m ³ max
1328	Ethyltoluene, p-	622-96-8	500	500	500	500	TEEL-1/3, TEEL-2/7, rat TCLo, mouse 240 min LC50 - all PACs exceed 500 mg/m ³ max
1329	Europium	7440-53-1	10	30	50	250	Used PNOS default
1330	Europium nitrate; (Europium trinitrate)	10138-01-9	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1331	Europium oxide	1308-96-9	20	60	400	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 minimum exceeds 500 mg/m ³ max
1332	Europium(II) iodide	22015-35-6	10	30	50	250	PNOS default used
1333	Farnesol	4602-84-0	25	75	500	500	Rat oral LD50
1334	Fatty acids, tall-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	66070-62-0	10	30	50	250	PNOS default used
1335	Fenamiphos	22224-92-6	0.05	0.15	0.9	40	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1336	Fensulfotion	115-90-2	0.01	0.03	2	12.5	TLV-TWA, TEEL-0*3, LOC, rat 60 min LC50
1337	Fenthion	55-38-9	0.05	0.15	40	40	TLV-TWA, TEEL-0*3, TEEL-3, human LDlo
1338	Ferric ammonium citrate	1185-57-5	1.81	5.44	500	500	TLV-TWA as Fe, 3*TEEL-0, rat oral TDlo, rat oral LD50 minimum

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1339	Ferric ammonium sulfate dodecahydrate	7783-83-7	8.64	25.9	43.2	200	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1340	Ferric ammonium sulfate; (Sulfuric acid, ammonium iron(3e+) salt (2:1:1))	10138-04-2	4.82	14.5	25	125	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1341	Ferric chloride	7705-08-0	2.9	2.9	10	500	TLV-TWA, TEEL-0, rat intratesticular TDLo, woman oral LDLo
1342	Ferric chloride hexahydrate	10025-77-1	4.84	75	100	100	TLV-TWA, TEEL-2/7, TEEL-3, mouse ip LD50
1343	Ferric fluoride	7783-50-8	4.95	12.5	100	495	As F, PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
1344	Ferric hydroxide; (Iron(III) hydroxide)	1309-33-7	3.5	10	75	400	PAC-3/105, PAC-3/35, PAC-3/5, rabbit oral LD
1345	Ferric nitrate	10421-48-4	4.33	40	250	500	TLV-TWA, TEEL-2/7, TEEL-3/5, 500 mg/m ³ max
1346	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	7.24	40	250	500	TLV-TWA, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
1347	Ferric phosphate	10045-86-0	2.7	8.1	13.5	60	TLV-TWA, TEEL-0*3, TEEL-0*5, PAC-2*5
1348	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	3.58	3.58	15	75	TLV-TWA, TEEL-0, TEEL-3/5, mouse intraperitoneal LD50
1349	Ferrous ammonium sulfate	10045-89-3	5.09	15.3	25.4	125	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-2*5
1350	Ferrous carbonate	563-71-3	15	40	300	500	PAC-3/105, PAC-3/35, PAC-3/5, mouse oral LD50
1351	Ferrous chloride	7758-94-3	2.27	2.27	2.27	200	TLV-TWA, TEEL-0, TEEL-0, rat oral LD50
1352	Ferrous disulfide; (Iron disulfide)	12068-85-8	2.15	6.44	10.7	50	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1353	Ferrous hydroxide; (Iron(II) hydroxide)	18624-44-7	7.5	20	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rabbit oral LDLo exceeds 500 mg/m ³ max
1354	Ferrous Oxalate; (Iron(II) oxalate)	516-03-0	2.58	7.73	12.9	60	Fe TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1355	Ferrous sulfamate	14017-39-1	2.79	8.38	14	60	TLV-TWA, TEEL-0*3, TEEL-0*5, PAC-0*25

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1356	Ferrous sulfate	7720-78-7	2.72	8.16	13.6	50	Fe TLV-TWA, TEEL-0*3, TEEL-0*5, woman oral LDLo
1357	Ferrous sulfate heptahydrate	7782-63-0	4.98	14.9	25	500	TLV-TWA, TEEL-0*3, TEEL-0*5, mouse oral LD50
1358	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	5	15	60	500	TLV-TWA, TEEL-0*3, rat TCLo, mouse intratracheal LDLo minimum exceeds 500 mg/m ³ max
1359	Fluenetil	4301-50-2	1.25	3.5	6	6	PAC-2/5, PAC-2*3/5, LOC, rat oral LD50
1360	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	2.89	7.5	60	289	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
1361	Fluoranthene	206-44-0	7.5	25	150	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
1362	Fluorene, 9H-	86-73-7	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intraperitoneal LD50 minimum
1363	Fluorides (as F)	16984-48-8	2.5	7.5	12.5	250	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1364	Fluorine	7782-41-4	0.15	2.64	7.75	20.2	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
1365	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	7.5	25	150	500	Rat oral LD50 based on HHR = 2
1366	Fluoro-4-nitrophenol, 2-	403-19-0	0.75	2.5	15	75	SAR
1367	Fluoro-6-nitrophenol, 2-	1526-17-6	0.75	2.5	15	75	SAR
1368	Fluoroacetamide	640-19-7	1	3.5	5.8	5.8	PAC-2/5, PAC-2*3/5, LOC, human oral LDlo
1369	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	0.05	0.15	0.5	2.5	PEL-TWA, TEEL-0*3, LOC, IDLH
1370	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	0.075	0.25	0.47	2	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
1371	Fluoroacetyl chloride	359-06-8	2	6	10	10	TEEL-2/5, TEEL-2*3/5, LOC, mouse 10 min LCLo
1372	Fluoroaniline, p-	371-40-4	1.5	5	35	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1373	Fluorobenzene	462-06-6	125	350	500	500	
1374	Fluorosulfonic acid; (Fluorosulfuric acid)	7789-21-1	2	2	10	30	PAC-1, ERPG-1, ERPG-2, ERPG-3
1375	Fluorotrimethylsilane	420-56-4	10	30	200	1,000	
1376	Fluorouracil	51-21-8	0.75	2.5	19	100	TEEL-2/21, TEEL-2/7, LOC, rat oral LD50
1377	Fonofos	944-22-9	0.1	0.3	1.3	200	TLV-TWA, TEEL-0*3, LOC, rat 60 min LC50
1378	Food Red 15; (FD&C Red No. 19)	81-88-9	0.4	1.25	7.5	50	
1379	Forane	26675-46-7	15,000	35,000	35,000	35,000	TCLo and LC50 rat inhalation data
1380	Formaldehyde	50-00-0	0.35	1.1	17.2	68.7	TLV-C, AEGL-1, AEGL-2, AEGL-3
1381	Formaldehyde cyanohydrin; (Hydroxyacetoneitrile; Glycolonitrile)	107-16-4	0.3	0.75	5.99	10	TEEL-2/21, TEEL-2/7, LOC, rat 480 min LClo
1382	Formamide	75-12-7	15	35	250	2,500	TLV-TWA, TEEL-2/7, pregnant rat oral TDlo, rat oral LD50
1383	Formetanate hydrochloride	23422-53-9	3.5	10	18	18	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1384	Formic acid	64-18-6	5.6	5.6	47	470	PAC-1, ERPG-1, ERPG-2, ERPG-3
1385	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	4	12.5	75	400	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat 240 minute LC50
1386	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	200	600	4,000	4,000	PAC-1/3, PAC-2/7, human TClo, cat 70 min LC50
1387	Formothion	2540-82-1	0.05	0.15	0.27	500	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50
1388	Formparanate	17702-57-7	1.5	4	7.2	7.2	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1389	Formylpiperidine, 1-	2591-86-8	15	50	400	400	Rat oral TDlo preg, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1390	Fosthietan	21548-32-3	0.75	2.5	4.7	4.7	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1391	Fuberidazole	3878-19-1	0.6	2	3.3	125	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50
1392	Fuel oil, residual	68476-33-5	10	30	200	500	TEEL-2/21, TEEL-2/7, rat skin TDLo, TEEL-2*5 exceeds 500 mg/m ³ max
1393	Fulminic acid; (Carbyloxime)	506-85-4	1	3	20	100	Human LC50 based on HHR = 3
1394	Fumaric acid	110-17-8	40	100	500	500	
1395	Furan	110-00-9	3.5	10	18.9	52.9	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
1396	Furancarboxaldehyde, 2-; (Furfural)	98-01-1	8	8	39	393	PAC-1, ERPG-1, ERPG-2, ERPG-3
1397	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	1.5	4	30	150	
1398	Furfuryl alcohol	98-00-0	40	60	60	300	TLV-TWA, TLV-STEL, TEEL-1, IDLH
1399	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	0.0015	0.004	0.03	0.4	TEEL-2/21, TEEL-2/7, mouse oral TDLo, rat 10 min LC50
1400	Gadolinium	7440-54-2	500	500	500	500	
1401	Gadolinium chloride hexahydrate	13450-84-5	40	75	75	75	Rat oral TDLo, mouse iv LD50
1402	Gadolinium hydroxide	16469-18-4	0.75	0.75	2.5	75	SAR
1403	Gadolinium nitrate, solid	10168-81-7	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1404	Gadolinium nitrite	z-0022	0.04	0.125	0.75	75	SAR
1405	Gadolinium(III) oxide	12064-62-9	10	35	200	500	TEEL-2/21, TEEL-2/7, mouse TCLo, rat oral LD50 minimum exceeds 500 mg/m ³
1406	Gallic acid monohydrate	5995-86-8	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1407	Gallium	7440-55-3	10	30	50	250	Used PNOS default
1408	Gallium oxide	12024-21-4	1.5	5	40	500	TEEL-2/21, TEEL-2/7, rat TClo, mouse oral LD50
1409	Gallium trichloride	13450-90-3	6	20	32	100	TEEL-1/3, TEEL-2*3/5, LOC, rat 180 min LClo
1410	Gallium trifluoride	7783-51-9	5.56	16.7	27.8	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1411	Gasoline	86290-81-5	654	654	3,270	13,100	PAC-1, ERPG-1, ERPG-2, ERPG-3
1412	Gelatin; (Pharmagel A)	9000-70-8	2.5	7.5	60	300	
1413	Germane; (Germanium tetrahydride)	7782-65-2	0.532	0.532	0.532	1.57	PAC-2, PAC-2, AEGL-2, AEGL-3
1414	Germanium	7440-56-4	0.0125	0.035	0.25	500	TEEL-1/3, TEEL-2/7, human oral TDLo, rat oral LD50
1415	Germanium oxide	1310-53-8	0.75	2	15	500	
1416	Germanium tetrafluoride	7783-58-6	4.89	12.5	100	489	As fluoride, PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
1417	Germanous acid	z-0023	2	6	40	200	
1418	Giemsa's stain; (Blood stain)	51811-82-6	10	30	50	250	Used PNOS default
1419	Gluconic acid, D-	526-95-4	10	30	50	250	Used PNOS default
1420	Glucose monohydrate, D(+)-; (Dextrose)	14431-43-7	10	30	50	250	Used PNOS default
1421	Glucose, alpha-D-; (alpha-Dextrose)	492-62-6	0.4	1.25	7.5	500	Woman intravenous TDLo, rat oral LD50 exceeds 500 mg/m ³ max
1422	Glucose, D-; (Dextrose, anhydrous)	50-99-7	0.4	1.25	7.5	500	Woman intravenous TDLo, rat oral LD50 exceeds 500 mg/m ³ max
1423	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	2	6	40	200	

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1424	Gluteraldehyde	111-30-8	0.2	0.82	4.1	20.5	MAK-TWA, ERPG-1, ERPG-2, ERPG-3
1425	Glycerine (mist); (Glycerol; Glycerin)	56-81-5	15	125	500	500	PEL-TWA, TEEL-2/7, human oral TDLo and rat oral LD50 exceed 500 mg/m ³ max
1426	Glycerine carbonate; (4-Hydroxymethyl-1,3-dioxolan-2-one)	931-40-8	10	30	50	250	Used PNOS default
1427	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	0.75	2.5	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intraperitoneal LD50
1428	Glycidaldehyde	765-34-4	0.06	0.2	1.5	125	TEEL-2/21, TEEL-2/7, human TC lo, rat LC50
1429	Glycidol; (Oxiranemethanol)	556-52-5	6	12.5	75	400	TLV-TWA, TEEL-2/7, rat TClo, IDLH
1430	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimethoxysilane)	2530-83-8	150	400	500	500	Rat TClo, rat LClo
1431	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	0.6	2	12.5	60	Rat 240 min LClo
1432	Glycine; (Aminoacetic acid)	56-40-6	25	75	500	500	
1433	Glycol carbonate; (Ethylene carbonate)	96-49-1	40	125	500	500	
1434	Glycolic acid; (Hydroxyacetic acid)	79-14-1	75	250	500	500	T-2/21, T-2/7, rat TClo, rat oral LD50
1435	Glycols, polyethylene, dimethyl ether	24991-55-7	75	200	500	500	Rat oral TDlo, rat oral LDlo
1436	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3	0.025	0.075	0.6	60	
1437	Glycoluril; (Acetyleneurea)	496-46-8	10	30	50	250	Used PNOS default
1438	Glyoxal	107-22-2	0.1	35	75	75	TLV-TWA, TEEL-2/7, TEEL-3, rat oral LD50
1439	Goethite; (Iron hydroxide oxide)	1310-14-1	5	7.5	12.5	250	SAR
1440	Gold	7440-57-5	7.5	25	100	100	TEEL-2/21, TEEL-2/7, TEEL-3, rat intravenous LDlo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1441	Graphite; (Mineral carbon)	7782-42-5	2	6	10	500	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
1442	Grease; (Animal grease, inedible)	68153-81-1	10	30	50	250	Used PNOS default
1443	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	0.125	0.35	2.5	40	
1444	Guanidinehydrochloride	50-01-1	2	6	40	200	Rat oral LD50
1445	Hafnium	7440-58-6	0.5	1.5	2.5	50	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1446	Hafnium oxide	12055-23-1	0.59	1.77	3	59	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1447	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	75	250	1,500	35,000	TEEL-2/21, TEEL-2/7, human 1 min TClo, rat 15 min LC50
1448	Hansa yellow	13515-40-7	10	30	50	250	Used PNOS default
1449	Helium	7440-59-7	10,000	10,000	35,000	60,000	Simple asphyxiant
1450	Hematoxylin	517-28-2	0.075	0.25	2	10	TEEL-2/21, TEEL-2/7, rat oral TDlo, TEEL-2
1451	Heptachlor	76-44-8	0.05	0.15	1	35	TLV-TWA, TEEL-2/7, rat TCLo, IDLH
1452	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	0.05	0.15	6	6	TLV-TWA, TEEL-0*3, TEEL-3, rat oral LD50
1453	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4	0.06	0.15	1.25	6	
1454	Heptachlorodibenzofuran, 1,2,3,4,7,8,9-; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7	0.075	0.25	1.5	7.5	
1455	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9	0.15	0.5	2.5	2.5	
1456	Heptadecane	629-78-7	150	500	3,500	15,000	
1457	Heptafluorobutyric acid	375-22-4	0.6	2	12.5	60	Mouse ip LD50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1458	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	3.42	10.3	17.1	342	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1459	Heptane	142-82-5	1,500	1,500	1,500	3,000	TLV-TWA, TEEL-2, REL-C, IDLH
1460	Heptanoic acid	111-14-8	30	75	600	3,000	Rat oral LD50
1461	Heptanol, 1-; (Heptyl alcohol)	111-70-6	50	150	500	500	TEEL-1/3, TEEL-2/7, TEEL-3, mouse 120 min LC50
1462	Heptene, 1-	592-76-7	7,500	20,000	1.50E+05	7.50E+05	TEEL-1/3, TEEL-2/7, mouse TCLo, TEEL-2*5
1463	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	0.0212	7.5	60	63.5	PEL-TWA, TEEL-2/7, rat implant TDLo, IDLH
1464	Hexachloroacetone	116-16-5	0.4	1.25	7.5	200	Rat oral TDLo, rat 180 min LC50
1465	Hexachlorobenzene	118-74-1	0.002	0.006	1.5	200	TLV-TWA, TEEL-0*3, human TCLo, human LDLo
1466	Hexachlorobutadiene	87-68-3	0.2	10.7	32.1	107	TLV-TWA, ERPG-1, ERPG-2, ERPG-3
1467	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	0.5	1.5	15	500	MAK-TWA, TEEL-0*3, rat oral TDLo, human oral LDLo exceeds 500 mg/m ³ max
1468	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	0.5	1.5	2.5	500	MAK-TWA, TEEL-0*3, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
1469	Hexachlorocyclopentadiene	77-47-4	0.1	0.3	2	2	TLV-TWA, TEEL-2/7, TEEL-3, rat 240 min LC50
1470	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	0.0004	0.00125	0.0075	0.4	
1471	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	0.0002	0.0006	0.004	0.02	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDLo, TEEL-2*5
1472	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	0.0002	0.0006	0.004	0.02	TEEL-2/21, TEEL-2/7, rat oral TDLo, TEEL-2*5
1473	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	0.04	0.125	0.75	4	

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			TEEL-0	PAC-1	PAC-2	PAC-3	
1474	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	0.0005	0.0015	0.01	0.05	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1475	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	0.00006	0.00015	0.00125	0.1	TEEL-1/3, TEEL-2/7, mouse oral TDLo rat oral LD50
1476	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3	0.005	0.015	0.1	0.5	
1477	Hexachloroethane	67-72-1	10	300	2,000	3,000	PEL-TWA, TEEL-2/7, rat TCLo, IDLH
1478	Hexachloronaphthalene	1335-87-1	0.2	2	2	2	PEL-TWA, TEEL-3, TEEL-3, IDLH
1479	Hexachlorophene	70-30-4	15	50	150	150	TEEL-2/21, TEEL-2/7, TEEL-3, human oral LDLo
1480	Hexachloropropene	1888-71-7	1.5	4	30	150	
1481	Hexadecanamine, 1-	143-27-1	0.125	0.35	2.5	75	Mouse oral TDlo preg, mouse ip LD50
1482	Hexadecane	544-76-3	3	7.5	60	500	Guinea pig skin TDlo, mouse intravenous LDlo
1483	Hexadecanoic acid; (Palmitic acid)	57-10-3	25	50	50	50	
1484	Hexadecanol, 1-	36653-82-4	2.5	7.5	60	300	
1485	Hexadecene, 1-	629-73-2	4	12.5	75	400	Rat 60 min LClo minimum
1486	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	0.075	0.25	2	10	Rat 240 min LC50
1487	Hexadecyltrimethylammonium chloride	112-02-7	2.5	7.5	50	250	Mouse oral LDlo
1488	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	50	150	1,000	6,000	Rat 240 min LC50
1489	Hexafluoroacetone	684-16-2	0.6	0.6	1.36	543	TLV-TWA, TEEL-0, AEGL-2, AEGL-3
1490	Hexafluorobenzene	392-56-3	1,250	3,500	12,500	12,500	TEEL-1/3, TEEL-2/7, dog TCLo, rat 30 min LC50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1491	Hexafluorobutylene-2; (1,1,1,4,4,4-Hexafluoro-2-butylene)	692-50-2	2	6	40	200	Rat 240 min LC50
1492	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	2.50E+05	2.50E+05	2.50E+05	2.50E+05	Rat TCLo
1493	Hexafluoropropylene; (Hexafluoropropene)	116-15-4	0.6	245	558	2,940	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
1494	Hexafluoropropylene-vinylidene fluoride polymer; (Viton)	9011-17-0	10	30	50	250	PNOS default
1495	Hexamethylcyclotrisiloxane	541-05-9	10	30	200	500	Estimated rat oral LD50
1496	Hexamethyldisilazane	999-97-3	12.5	40	250	350	
1497	Hexamethyldisiloxane	107-46-0	250	750	2,000	2,000	
1498	Hexamethylene diisocyanate polymer	28182-81-2	0.05	0.15	1	500	TEEL-1/3, TEEL-2/7, rat 360 min TCLo, 500 mg/m ³ max
1499	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	0.035	1.5	12.5	12.5	TLV-TWA, TEEL-2/7, adjusted REL-C, rat 240 min LC50
1500	Hexamethyleneimine	111-49-9	15	40	300	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, Mouse 120 min LC50
1501	Hexamethylenetetraamine hydrochloride	58713-21-6	10	30	50	250	Used PNOS default
1502	Hexamethylenetetraamine; (Methenamine)	100-97-0	7.5	25	150	500	TEEL-1/3, TEEL-2/7, rat TCLo, rat intravenous LD50
1503	Hexamethylphosphoramide	680-31-9	0.125	0.35	2.5	300	TEEL-2/21, TEEL-2/7, rat TCLo, rat 240 min Lclo
1504	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	75	250	1,500	7,500	Estimated rat 240 min LC50 based on HR
1505	Hexanal	66-25-1	50	150	750	750	
1506	Hexane	110-54-3	150	1,500	11,600	30,300	TLV-TWA, PAC-2/7, AEGL-2, AEGL-3
1507	Hexanediol diacrylate, 1,6-	13048-33-4	1	3.5	25	500	WEEL-TWA, TEEL-2/7, rabbit dermal TDlo, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1508	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	50	150	500	500	Rat ip TDlo, rat oral LD50
1509	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	500	500	500	500	
1510	Hexanenitrile	628-73-9	2	6	40	200	
1511	Hexanethiol, 1-; (N-Hexylmercaptan)	111-31-9	0.125	0.35	2.5	500	TEEL-2/21, TEEL-2/7, REL-C, rat 240 min LC50
1512	Hexanitrostilbene	20062-22-0	0.25	0.75	6	30	Rat oral TDlo for 4-Nitrostilbene
1513	Hexanoic acid	142-62-1	5	15	100	500	
1514	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	5	15	100	500	Human TClo
1515	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	3	7.5	60	300	
1516	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	20	40	6,000	6,000	TLV-TWA, TLV-STEL, TEEL-3, IDLH
1517	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	15	50	350	1,500	
1518	Hexanoyl chloride	142-61-0	1.5	5	35	150	Rat oral LD50 from estimated HHR = 3
1519	Hexaphenylcyclotrisiloxane	512-63-0	7.5	25	150	500	Estimated rat oral LD50 based on HHR
1520	Hexene, 1-	592-41-6	150	250	1,720	17,200	TLV-TWA, PAC-2/7, ERPG-2, ERPG-3
1521	Hexylene glycol	107-41-5	50	50	125	1,500	MAK-TWA, TEEL-0, TLV-C, rat oral LD50
1522	Hexyltrichlorosilane	928-65-4	1.5	5.39	65.5	296	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1523	Holmium	7440-60-0	7.5	25	150	500	Rat oral LD50 based on HHR = 2
1524	Holmium trioxide	12055-62-8	10	30	50	250	Used PNOS default

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1525	Humic acid, sodium salt	68131-04-4	2	6	40	200	Rat ip TDlo preg , rat ip LD50
1526	Hydrazine	302-01-2	0.0125	0.131	17	45.8	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
1527	Hydrazine hydrate, aqueous solutions	10217-52-4	0.035	0.1	0.75	7.5	TEEL-2/21, TEEL-2/7, rat TClo, rat LC50
1528	Hydrazine hydrate; (Hydrazine monohydrate)	7803-57-8	0.0004	0.001	0.0075	50	TEEL-2/21, TEEL-2/7, rat TClo, rat oral LD50
1529	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	0.5	1.5	10	50	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1530	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	1	3	5	50	DKC assigned TEELs
1531	Hydrazine sulfate	10034-93-2	0.6	2	15	250	TEEL-2/21, TEEL-2/7, human oral TDlo, rat oral LD50
1532	Hydrazine, dihydrochloride	5341-61-7	3.5	10	75	400	TEEL-2/21, TEEL-2/7, rat oral TDlo, TEEL-2*5
1533	Hydriodic acid; (Hydrogen iodide)	10034-85-2	1.5	5.23	115	627	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1534	Hydrobromic acid; (Hydrogen bromide)	10035-10-6	3.31	3.31	72.8	397	PAC-1, AEGL-1, AEGL-2, AEGL-3
1535	Hydrogen	1333-74-0	5,000	5,000	15,000	30,000	Simple asphyxiant
1536	Hydrogen chloride; (Hydrochloric acid)	7647-01-0	0.75	2.68	32.8	149	CEGL, AEGL-1, AEGL-2, AEGL-3
1537	Hydrogen cyanide; (Hydrocyanic acid)	74-90-8	2	2.21	7.84	16.6	MAK-TWA, AEGL-1, AEGL-2, AEGL-3
1538	Hydrogen fluoride; (Hydrofluoric acid)	7664-39-3	0.4	0.818	19.6	36	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
1539	Hydrogen peroxide	7722-84-1	1.25	14	71	142	PEL-TWA, ERPG-1, ERPG-2, ERPG-3
1540	Hydrogen peroxide - 30%	7722-84-1a	4	40	200	400	Concentration-adjusted hydrogen peroxide ERPGs

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1541	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	12.5	40	250	500	Rat oral LD50 minimum
1542	Hydrogen selenide	7783-07-5	0.15	0.35	2.42	7.28	PEL-TWA, PAC-2/7, AEGL-2, AEGL-3
1543	Hydrogen sulfide	7783-06-4	0.71	0.71	37.6	69.6	PAC-1, AEGL-1, AEGL-2, AEGL-3
1544	Hydrogenated terphenyl	61788-32-7	6	15	30	7,500	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
1545	Hydroquinone	123-31-9	2	3	20	50	PEL-TWA, TLV-TWA*3, LOC, IDLH
1546	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7	60	150	500	500	
1547	Hydrotreated middle distillate (Petroleum base oil)	64742-46-7	3	7.5	60	300	
1548	Hydroxy-2-methylpropanoic acid, 2-; (2-Methylactic acid)	594-61-6	10	30	50	250	Used PNOS default
1549	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	15	50	350	500	Rat oral LD50
1550	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	200	200	200	7,500	PEL-TWA, TEEL-0, TEEL-0, rat oral LD50
1551	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	12.5	35	60	500	SAR
1552	Hydroxybenzenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	25	75	500	500	Mouse oral LD50
1553	Hydroxybenzoic acid, 4-; (p-Salicylic acid)	99-96-7	5	15	400	500	Rat oral TDlo, mouse oral LD50
1554	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	40	125	500	500	Rat oral LDlo
1555	Hydroxyethyl acrylate, 2-; (Acrylic acid, 2-hydroxyethyl ester)	818-61-1	1.5	5	35	250	Rat TClo, rat 240 min LClo
1556	Hydroxyethyl methacrylate, 2-	868-77-9	0.1	0.3	2	500	Rat oral TDlo, rat oral LD50
1557	Hydroxyethyl-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	1.25	4	25	125	Quail LD50 maximum

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1558	Hydroxyethylenediaminetriacetic acid, N-	150-39-0	1.25	4	30	150	
1559	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidine bisphosphonic acid, 1-)	2809-21-4	0.15	0.5	3.5	500	TEEL-2/21, TEEL-2/7, mouse intraperitoneal TDLo, rat oral LD50
1560	Hydroxylamine	7803-49-8	0.25	0.75	5	25	
1561	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	10	35	60	60	TEEL1/3, TEEL-2/7, TEEL-3, rat oral LD50
1562	Hydroxylamine nitrate	13465-08-2	7.62	15.2	39.6	150	PEL-TWA, TLV-STEL, LOC, IDLH
1563	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	4	10	75	400	
1564	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	15	50	350	500	Mouse oral LD50
1565	Hydroxy-N-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	10	30	50	250	Used PNOS default
1566	Hydroxyphenyl)benzothiazole, 2-(2-	3411-95-8	35	100	500	500	Mouse ip LDLo minimum
1567	Hydroxyphenylacetic acid, alpha-	90-64-2	15	50	350	500	Rat ip LD50
1568	Hydroxypropyl cellulose	9004-64-2	40	125	500	500	Rat oral LD50
1569	Hydroxyquinoline sulfate, 8-	134-31-6	5	15	100	500	Rat oral LD50
1570	Hypophosphorous acid-d3; (Hydrophosphorus acid-d3 solution, 50 wt.% in D2O)	57583-56-9	10	30	50	250	Used phosphonic acid (6303-21-5) PAC values
1571	Hypophosphorus acid; (Phosphonic acid)	6303-21-5	10	30	50	250	Used PNOS default
1572	Imidazole	288-32-4	4	12.5	75	100	
1573	Imidazole hydrochloride	1467-16-9	7.5	25	150	500	Rat oral LD50 based on HHR

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1574	Iminodiacetic acid	142-73-4	1	3	20	100	
1575	Iminodiacetic acid, disodium salt hydrate	17593-73-6	35	100	500	500	MSDS rat oral LD50
1576	Indan	496-11-7	40	125	500	500	
1577	Indene	95-13-6	20	20	20	1,500	TLV-TWA, TEEL-0, TEEL-0, rat 240 min LC50
1578	Indeno(1,2,3-cd)pyrene	193-39-5	0.15	0.5	3.5	15	
1579	Indigo carmine; (FD&C blue No 2)	860-22-0	20	60	75	75	
1580	Indium	7440-74-6	0.1	0.1	0.6	3.5	TLV-TWA, TEEL-0, TEEL-3/5, mouse sc LDlo
1581	Indium oxide (vapor)	1312-43-2b	0.107	0.321	100	500	TLV-TWA, TEEL-0*3, rat TClo, TEEL-2*5
1582	Indium sulfate	13464-82-9	0.225	0.676	1.13	4	TLV-TWA, TEEL-0*3, TEEL-0*5, rat sc LD50
1583	Indium trichloride	10025-82-8	0.193	0.578	1	1	TLV-TWA, TEEL-0*3, TEEL-3, rat intraperitoneal LD50
1584	Indium(III) oxide	1312-43-2a	0.121	0.363	0.605	500	TLV-TWA, TEEL-0*3, TEEL-0*5, mouse oral LDlo
1585	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	5	15	100	500	
1586	Iodic acid	7782-68-5	0.1	1	1	14.4	TLV-TWA, TLV-STEL, PEL-C, IDLH
1587	Iodine	7553-56-2	0.1	1	5.2	52	TLV-TWA, ERPG-1, ERPG-2, ERPG-3
1588	Iodine 125	17144-19-3	0.1	1	5	50	Iodine (7753-56-2) PAC values
1589	Iodobenzene	591-50-4	0.0834	200	500	500	TLV-TWA, TEEL-2/7, rat oral TDLo, rat 240 min LC50
1590	Iodoethane; (Ethyl iodide)	75-03-6	0.06	60	500	2,500	TLV-TWA, TEEL-2/7, TEEL-3/5, rat 30 min LC50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1591	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	0.125	1,500	10,000	50,000	TLV-TWA, TEEL-2/7, TEEL-3/5, rat 120 min LC50
1592	Iodopentane, 1-	628-17-1	0.081	10	75	400	TLV-TWA, TEEL-2/7, TEEL-3/5, rat intraperitoneal LD50
1593	Iotalamic acid	2276-90-6	0.251	0.251	1.25	500	TLV-TWA, TEEL-0, human unknown TDLo, rat intraperitoneal LD50
1594	Iridium	7439-88-5	6	20	125	500	Rat oral LD50
1595	Iron	7439-89-6	2	6	40	75	TEEL-1/3, TEEL-2/7, child oral TDLo Human oral LD50
1596	Iron carbide	12011-67-5	10.7	75	500	500	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
1597	Iron hydroxide oxide	20344-49-4	15.9	23.9	40	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1598	Iron oxide; (Ferric oxide)	1309-37-1	10	15	400	500	PEL-TWA, TLV-TWA*3, rat TCLo, IDLH exceeds 500 mg/m ³ max
1599	Iron pentacarbonyl	13463-40-6	0.48	0.48	0.48	1.44	PAC-2, PAC-2, AEGL-2, AEGL-3
1600	Iron(II) chloride tetrahydrate	13478-10-9	3.56	3.56	7.5	40	TLV-TWA, TEEL-0, TEEL-3/5, mouse ip LD50
1601	Iron(II) oxide; (Ferrous oxide)	1345-25-1	1.5	4.5	7.5	500	MAK-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50 minimum
1602	Iron(II) perchlorate hexahydrate	13520-69-9	6.33	19	31.6	150	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1603	Iron(II,III) oxide; (Ferrosferric oxide; Iron(III) oxide)	1317-61-9	13.8	20.7	35	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1604	Iron(III) perchlorate	13537-24-1	6.34	19	31.7	150	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1605	Iron(III) sulfate heptahydrate	35139-28-7	4.98	14.9	25	500	TLV-TWA, TEEL-0*3, TEEL-3*5, mouse oral LD50
1606	Isoamyl acetate; (Isopentyl acetate)	123-92-2	500	500	1,000	5,000	PEL-TWA, TEEL-0, TEEL-3/5, IDLH
1607	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	350	400	400	1,500	PEL-TWA, TLV-STEL, TEEL-1, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1608	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	350	400	400	1,500	PEL-TWA, TLV-STEL, TEEL-1, IDLH
1609	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	12.5	40	300	1,500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 240 min LC50
1610	Isobenzan	297-78-9	0.5	1.5	2	2	TEEL-21, TEEL-2/7, TEEL-3, rat oral LD50
1611	Isobutanol-2-amine	124-68-5	0.03	0.075	0.6	500	
1612	Isobutyl acetate	110-19-0	600	600	1,250	6,000	PEL-TWA, TEEL-0, TEEL-3/5, IDLH
1613	Isobutyl alcohol	78-83-1	300	300	300	5,000	PEL-TWA, TEEL-0, TEEL-0, IDLH
1614	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	1.5	4	30	150	Estimated rat 240 min LC50 based on HR
1615	Isobutyl chloroformate	543-27-1	1	3.5	12.3	37.4	MAK-TWA, TEEL-0*3, AEGL-2, AEGL-3
1616	Isobutyl isobutyrate	97-85-8	150	500	500	500	
1617	Isobutylamine	78-81-9	6	6	30	100	MAK-TWA, TEEL-0, MAK-C, rat oral LD50
1618	Isobutyraldehyde	78-84-2	75	750	5,000	5,000	WEEL-TWA, TEEL-2/7, TEEL-3, mouse 120 min LC50
1619	Isobutyric acid	79-31-2	1	3.5	25	125	
1620	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	0.6	2	12.5	60	Rat LC50 based on HHR
1621	Isobutyronitrile	78-82-0	20	28.2	50.8	192	REL-TWA, ERPG-1, AEGL-2, AEGL-3
1622	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	5	15	25	25	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1623	Isocyanatoethyl methacrylate, 2-	30674-80-7	0.03	0.075	0.634	6.34	PAC-2/21, PAC-2/7, ERPG-2, ERPG-3
1624	Isocyanic acid	75-13-8	0.06	0.2	1.25	6	Human LC50 based on estimated HHR = 3+

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1625	Isocyanic acid, 3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	2.5	7.5	14	500	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50
1626	Isodrin	465-73-6	1.25	4	7	7	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1627	Isonate 181 MDI prepolymer	z-0113	0.2	0.75	6	75	Calculated from mixture ingredients
1628	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	1,250	1,250	1,250	4,000	Octane TLV-TWA, TEEL-0, TEEL-0, IDLH
1629	Isopentane; (Ethylidimethylmethane; 2-Methylbutane)	78-78-4	1,500	1,500	1,500	60,000	TLV-TWA, TEEL-0, REL-C, mouse 120 min LC50
1630	Isophorone	78-59-1	20	20	25	1,000	REL-TWA, TEEL-0, TLV-C, IDLH
1631	Isophorone diisocyanate	4098-71-9	0.04	0.15	1.23	12.5	TLV-TWA, REL-STEL, LOC, rat 240 min LC50
1632	Isophthalic acid; (Phthalic acid, m isomer)	121-91-5	10	30	50	500	WEEL-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50 exceeds 500 mg/m ³ max
1633	Isoprene	78-79-5	5	13.9	2,780	11,100	WEEL-TWA, ERPG-1, ERPG-2, ERPG-3
1634	Isopropyl acetate	108-21-4	400	750	750	7,500	TLV-TWA, TLV-STEL, PAC-1, IDLH
1635	Isopropyl alcohol	67-63-0	1,000	1,000	1,000	5,000	PEL-TWA, TLV-STEL, EEGL 60 min, IDLH
1636	Isopropyl chloride; (2-Chloropropane)	75-29-6	150	500	50,000	50,000	WEEL-TWA, TEEL-0*3, TEEL-3, rat LC50
1637	Isopropyl chloroformate; (Isopropyl chlorocarbonate)	108-23-6	0.75	2	16.5	50.1	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
1638	Isopropyl ether; (Diisopropyl ether)	108-20-3	1,000	1,250	1,250	6,000	TLV-TWA, TLV-STEL, TEEL-1, IDLH
1639	Isopropyl methanefluorophosphonate; (Sarin; GB)	107-44-8	7.50E-04	0.00275	0.0344	0.126	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1640	Isopropyl nitrate	1712-64-7	40	60	600	3,000	Swedish-TLV, Swedish-STEL, TEEL-3/5, rat 240 min LC50
1641	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	30	75	500	500	

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1642	Isopropylamine; (2-Propanamine)	75-31-0	12.5	25	300	1,500	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
1643	Isopropylmagnesium chloride; (Chloro(1-methylethyl)magnesium)	1068-55-9	1	3	20	100	
1644	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	1	3.5	5.6	5.6	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
1645	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	75	250	500	500	Human TDLo, rat oral LD50
1646	Jeffamine M-600	77110-54-4	10	30	50	250	Used PNOS default
1647	Jet fuels, (JP-5 and JP-8)	70892-10-3	200	290	1100	1100	TLV-TWA, AEGL-1, AEGL-2 , AEGL-2
1648	Kaolin; (Aluminum silicate hydroxide; Fuller's earth [8031-18-3])	1332-58-7	5	6	125	500	PEL-TWA, TLV-TWA*3, rat TClo, TEEL-2*5
1649	Kepone; (Chlordecone)	143-50-0	0.001	5	35	40	REL-TWA, TEEL-2/7, rat oral TDLo, rat oral LD50
1650	Kerosene; (Fuel Oil No 1)	8008-20-6	200	290	1100	1100	REL-TWA, AEGL-1, AEGL-2 , AEGL-2
1651	Ketene; (Carbomethene, Ethenone)	463-51-4	0.326	0.326	1.13	3.44	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
1652	Krypton	7439-90-9	2.00E+05	2.00E+05	7.50E+05	1.25E+06	Simple asphyxiant (see Introduction)
1653	Lactic acid	50-21-5	5	15	100	500	TEEL-1/3, TEEL-2/7, rat skin TDLo, rat oral LD50
1654	Lactic acid, sodium salt, DL-; (Propanoic acid, 2-hydroxy-, monosodium salt)	312-85-6	10	30	50	250	Used PNOS default
1655	Lactonitrile	78-97-7	3.5	10	18	150	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LClo
1656	Lactose, beta-D-; (beta-D-Glucopyranose, 4-O-beta-D-galactopyranosyl-)	5965-66-2	10	30	50	250	Used PNOS default
1657	Lanthanum	7439-91-0	10	30	50	250	Used PNOS default
1658	Lanthanum alizarin	z-0026	10	30	50	250	Used PNOS default

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1659	Lanthanum boride	12008-21-8	10	30	50	250	Used PNOS default
1660	Lanthanum carbonate	6487-39-4	10	30	50	250	Used PNOS default
1661	Lanthanum chloride	10099-58-8	6	20	150	500	TEEL-2/21, TEEL-2/7, rat 120 min TClo, rat oral LD50
1662	Lanthanum fluoride	13709-38-1	8.59	25.8	43	500	Fluoride exposure limits
1663	Lanthanum hydroxide	14507-19-8	0.2	0.75	2	2.5	SAR
1664	Lanthanum nitrate	10099-59-9	0.75	2.5	15	500	TEEL-2/21, TEEL-2/7, rat oral TDLo, rat oral LD50
1665	Lanthanum oxide	1312-81-8	10	30	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse oral LD50
1666	Lanthanum phosphate	14913-14-5	0.3	0.75	3	3	SAR
1667	Lanthanum(III) nitrate hexahydrate	10277-43-7	1.5	5	35	150	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intraperitoneal LD50
1668	Laromin C 260; (bis(4-Amino-3-methylcyclohexyl) methane; Dimethyldicyane)	6864-37-5	1.5	5	35	150	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 240 min LC50
1669	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	5	15	100	500	Rat oral LD50
1670	Lead	7439-92-1	0.05	0.15	0.25	100	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1671	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	40	125	500	500	TEEL-1/3, TEEL-2/7, rat oral TDLo and rat oral LD50 exceed 500 mg/m ³ max
1672	Lead acetate, basic; (Lead subacetate)	1335-32-6	35	100	500	500	TEEL-2/21, TEEL-2/7, rat oral TDLo and TEEL-2*5 exceed 500 mg/m ³ max
1673	Lead acetate; (Lead diacetate)	301-04-2	4	10	75	500	TEEL-1/3, TEEL-2/7, human intravenous TDLo, human oral LDLo exceeds 500 mg/m ³ max
1674	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	0.0463	23.2	23.2	23.2	PEL-TWA, TEEL-3, TEEL-3, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1675	Lead arsenate; (Trilead diarsenate)	3687-31-8	0.06	3	20	30	PEL-TWA, TEEL-2/7, rat oral TDLo, IDLH
1676	Lead bromide	10031-22-8	0.0886	0.266	0.443	177	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1677	Lead carbonate	598-63-0	0.0645	0.193	4	129	PEL-TWA, TEEL-0*3, human oral TDLo, IDLH
1678	Lead chloride	7758-95-4	0.0671	0.201	7.5	134	PEL-TWA, TLV-TWA*3, rat oral TDLo, IDLH
1679	Lead chromate	7758-97-6	0.0311	0.186	93.2	93.2	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
1680	Lead dioxide	1309-60-0	0.0577	0.173	0.3	115	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1681	Lead fluoborate	13814-96-5	0.0919	0.276	0.459	184	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1682	Lead fluoride	7783-46-2	0.0592	0.178	15	118	PEL-TWA, TLV-TWA*3, rat TCLo, IDLH
1683	Lead hydroxide	19783-14-3	0.0582	0.175	0.3	116	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1684	Lead iodide	10101-63-0	0.111	0.334	0.556	222	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1685	Lead nitrate	10099-74-8	0.0799	0.24	7.5	160	PEL-TWA, TLV-TWA*3, rat intravenous TDLo, IDLH
1686	Lead nitrite	13826-65-8	0.0722	0.217	0.361	144	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1687	Lead oxalate	814-93-7	0.0712	0.214	0.356	142	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1688	Lead oxide; (Lead monoxide)	1317-36-8	0.0539	0.162	0.269	108	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1689	Lead phosphate	7446-27-7	0.0653	0.196	30	131	PEL-TWA, TLV-TWA*3, rat subcutaneous TDLo, IDLH
1690	Lead sulfate; (Sulfuric acid, lead(2+) salt (1:1))	7446-14-2	0.0732	4	30	146	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
1691	Lead sulfide	1314-87-0	0.0577	0.173	115	115	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1692	Lead tetroxide	1314-41-6	0.0551	0.165	0.276	110	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1693	Lead(II) arsenite	10031-13-7	0.0281	0.0843	0.14	14	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1694	Lead(II) perchlorate	13453-62-8	0.098	0.294	0.5	196	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1695	Leco set 7007 powder	z-0027	10	30	50	250	Used PNOS default
1696	Leptophos; (Fosvel)	21609-90-5	6	15	30	30	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
1697	Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)	40334-69-8	0.12	0.12	0.12	0.74	PAC-2, PAC-2, AEGL-2, AEGL-3
1698	Lewisite 3; (Tris(2-chlorovinyl)arsine)	40334-70-1	0.12	0.12	0.12	0.74	PAC-2, PAC-2, AEGL-2, AEGL-3
1699	Lignosulfonate (aqueous)	8062-15-5	50	150	500	500	TEEL-2/21, TEEL-2/7, mammalian oral TDLo, TEEL-2*5
1700	Limestone; (Calcium carbonate; Dolomite)	1317-65-3	15	15	75	500	PEL-TWA, TEEL-0, women TDLo, rat oral LD50 exceeds 500 mg/m ³ max limit
1701	Limonene, d-	5989-27-5	100	350	500	2,000	MAK-TWA, rat oral TDLo, rat oral LD50
1702	Lindane; (gamma-Benzenehexachloride)	58-89-9	0.5	1.5	50	50	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
1703	Linseed oil	8001-26-1	125	350	500	500	TEEL-1/3, TEEL-2/7 TDLo and TDLo*5 exceed 500 mg/m ³ max
1704	Liquified petroleum gas; (L.P.G.)	68476-85-7	3,000	3,000	5,000	5,000	PEL-TWA, IDLH
1705	Lithium	7439-93-2	4	12.5	75	400	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intraperitoneal LD50
1706	Lithium acetate dihydrate	6108-17-4	12.5	35	250	500	
1707	Lithium aluminate	12003-67-7	12.2	36.6	61.1	300	AI REL-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1708	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	12.2	36.6	61.1	300	AI REL-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1709	Lithium aluminum silicate; (Petalite)	1302-66-5	1	3	5	25	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1710	Lithium azide	19597-69-4	10	30	50	250	Used PNOS default
1711	Lithium borohydride; (Lithium tetrahydroborate)	16949-15-8	2	6	7.5	40	Borate TLV-TWA, TLV-STEL, TEEL-3/5, mouse oral LD50
1712	Lithium bromide	7550-35-8	1	3	15	500	CEGL-TWA, TEEL-0*3, EEGL-60 min, rat oral LD50 exceeds 500 mg/m ³ max
1713	Lithium carbonate	554-13-2	0.2	0.6	4	200	TEEL-1/3, TEEL-2/7, human oral TDLo, rat oral LD50
1714	Lithium chloride	7447-41-8	0.5	1.5	10	60	
1715	Lithium chromate; (Lithium chromium oxide)	14307-35-8	0.0125	1	7.5	37.5	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
1716	Lithium deuteride	13587-16-1	0.025	0.025	0.1	0.5	Used Li H (7580-67-8) PAC values
1717	Lithium diisopropylamide; (LDA)	4111-54-0	10	30	50	250	Used PNOS default
1718	Lithium fluoride	7789-24-4	3.41	10.2	17.1	341	Fluoride exposure limits used
1719	Lithium hydride	7580-67-8	0.025	0.025	0.100	0.500	PEL-TWA, ERPG-1, ERPG-2, ERPG-3
1720	Lithium hydroxide	1310-65-2	0.05	0.15	1	100	TEEL-1/3, TEEL-2/7, WEEL-C, rat 240-min LC50
1721	Lithium hydroxide monohydrate	1310-66-3	0.05	0.15	1	100	
1722	Lithium iodide	10377-51-2	10	30	50	250	Used PNOS default
1723	Lithium metaborate, anhydrous	13453-69-5	9.2	27.6	46	200	TLV-TWA, TLV-TWA*3, TLV-TWA*5, TEEL-0*25
1724	Lithium molybdate	13568-40-6	9.06	9.06	9.06	500	PEL-TWA, IDLH
1725	Lithium niobium oxide; (Lithium niobate)	12031-63-9	60	200	500	500	rat oral LD50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1726	Lithium nitrate	7790-69-4	0.5	1.5	10	50	TEEL-3/1, TEEL-2/7, rat oral TDLo, TEEL-2*5
1727	Lithium nitride	26134-62-3	10	30	50	250	Used PNOS default
1728	Lithium nitrite	13568-33-7	0.025	0.06	0.4	40	SAR
1729	Lithium oxide	12057-24-8	0.05	0.15	1	6	TEEL-2/21, TEEL-2/7, WEEL-C, mammal unknown LD50
1730	Lithium perchlorate, anhydrous	7791-03-9	0.0005	0.0015	0.01	0.06	IRIS LOEL
1731	Lithium silicon	68848-64-6	4	12.5	75	400	Used new Li limits (7439-93-2)
1732	Lithium stearate	4485-12-5	60	150	500	500	
1733	Lithium sulfate	10377-48-7	0.15	0.5	3.5	500	
1734	Lithium tetraborate	12007-60-2	7.82	23.5	40	200	TLV-TWA, TLV-TWA*3, TLV-TWA*5, TEEL-0*25
1735	Lithium tetraborate pentahydrate	1303-94-2	12	36	60	300	TLV-TWA, TLV-TWA*3, TLV-TWA*5, TEEL-0*25
1736	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	2.81	2.81	7.5	35	AI REL-TWA, TEEL-0, TEEL-3/5, mouse oral LD50
1737	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6	10	30	50	250	Used PNOS default
1738	Lithium triethylborohydride; (Super-hydride)	22560-16-3	1.5	5	35	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 based on HHR
1739	Lubricating oil, rerefined	68476-77-7	10	30	50	250	Used PNOS default
1740	Lutetium	7439-94-3	1.5	5	35	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 based on HHR
1741	Lutetium oxide	12032-20-1	10	30	50	250	Used PNOS default
1742	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	350	1,000	6,000	35,000	Rat 60 min LClo

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1743	Magnesium	7439-95-4	1.25	4	30	150	PAC-2/21, PAC-2/7, rat TClo, PAC-2*5
1744	Magnesium acetate tetrahydrate	16674-78-5	0.75	2.5	20	100	
1745	Magnesium aluminum phosphide	z-0116	1	3	5.01	8.97	TLV-TWA, TEEL-0*3, AEGL-2, AEGL-3
1746	Magnesium carbonate hydroxide	7760-50-1	10	30	50	250	Used PNOS default
1747	Magnesium carbonate; (Magnesite)	546-93-0	15	45	200	500	PEL-TWA, TEEL-0*3, rat 240 min TClo, rat oral LD50
1748	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	15	45	75	350	Magnesite PEL-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25 exceeds 500 mg/m ³ max
1749	Magnesium chloride	7786-30-3	12.5	40	300	500	
1750	Magnesium chloride hexahydrate	7791-18-6	75	250	500	500	
1751	Magnesium ethoxide	2414-98-4	15	30	50	500	As MgO, PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH exceeds 500 mg/m ³ max
1752	Magnesium fluoride	7783-40-6	4.1	10	75	410	As F, TLV-TWA, TEEL-2/7, TEEL-3/5, IDLH
1753	Magnesium formate	557-39-1	10	30	50	250	Used PNOS default
1754	Magnesium hydroxide	1309-42-8	75	200	500	500	
1755	Magnesium iodate tetrahydrate	7790-32-1	10	30	50	250	Used PNOS default
1756	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	10	30	50	250	Used PNOS default
1757	Magnesium oxide	1309-48-4	15	30	50	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH exceeds 500 mg/m ³ max
1758	Magnesium phosphide	12057-74-8	1	3	5.51	9.92	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
1759	Magnesium silicate hydrate	1343-90-4	10	30	50	250	Used PNOS default

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1760	Magnesium silicate; (Florisol)	1343-88-0	10	30	50	500	Used PNOS default
1761	Magnesium sulfate (1:1)	7487-88-9	0.5	1.5	10	125	
1762	Magnesium sulfate heptahydrate	10034-99-8	5	15	100	500	
1763	Magnesium(II) nitrate (1:2), hexahydrate	13446-18-9	20	60	500	500	Rat oral LD50
1764	Malathion	121-75-5	1	15	120	390	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
1765	Maleic acid	110-16-7	3	7.5	60	300	Rat oral LD50
1766	Maleic acid, disodium salt	371-47-1	25	75	500	500	Rat oral LD50
1767	Maleic anhydride	108-31-6	0.8	0.8	8	80.2	PAC-1, ERPG-1, ERPG-2, ERPG-3
1768	Maleic hydrazide; (3,6-Pyridazinedione, 1,2-dihydro-)	123-33-1	0.6	2	12.5	500	
1769	Malic acid, DL-	617-48-1	6	20	125	500	Mouse oral LD50 minimum,
1770	Malonic acid; (Carboxyacetic acid)	141-82-2	20	60	400	500	
1771	Mancozeb; (Dithane M-45)	8018-01-7	1	3	200	500	WEEL-TWA, rat oral TDlo, rat oral LD50
1772	Manganese	7439-96-5	0.2	3	5	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1773	Manganese carbonate	598-62-9	0.418	6.28	10.5	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1774	Manganese dioxide	1313-13-9	0.317	4.75	7.91	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1775	Manganese hydroxide	18933-05-6	0.324	4.86	8.1	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1776	Manganese nitrite	18488-90-9	0.535	8.02	13.4	500	TLV-TWA, REL-STEL, PEL-C, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1777	Manganese oxalate	640-67-5	0.52	7.81	13	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1778	Manganese oxide; (Manganese tetroxide)	1317-35-7	0.278	4.17	69.4	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1779	Manganese phosphate	10124-54-6	0.43	6.46	10.8	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1780	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	0.2	0.6	0.6	7.5	REL-TWA, REL-STEL, LOC, rat 240 min LC50
1781	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	0.458	6.87	11.5	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1782	Manganese(II) chloride tetrahydrate	13446-34-9	0.721	10.8	180	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1783	Manganese(II) nitrate hexahydrate	10377-66-9	1.04	15.7	26.1	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1784	Manganese(II) nitrate hydrate	15710-66-4	0.717	10.8	17.9	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1785	Manganese(II) sulfate monohydrate	10034-96-5	0.615	9.23	15.4	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1786	Manganese(III) oxide	1317-34-6	0.287	4.31	71.8	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1787	Manganese(VII) oxide	12057-92-0	0.404	6.06	10.1	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1788	Manganous oxide; (Manganese(II) oxide)	1344-43-0	0.258	3.87	6.46	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1789	Manganous sulfate	7785-87-7	0.55	8.25	13.7	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1790	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	0.317	4.75	7.92	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1791	Mastic (resin)	61789-92-2	4	12.5	100	500	TEEL-2/21, TEEL-2/7, rat oral TDLo, rat oral LDLo exceeds 500 mg/m ³ max
1792	Melamine	108-78-1	10	30	50	500	WEEL-TWA, TEEL-0*3, TEEL-0*5, rat LC50 exceeds 500 mg/m ³ max
1793	Memtetrahydrophthalic anhydride; (Tetrahydrophthalic anhydride)	85-43-8	0.05	0.15	1	500	TEEL-2/21, TEEL-2/7, human TClo, rat oral LD50

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			TEEL-0	PAC-1	PAC-2	PAC-3	
1794	Mephosfolan	950-10-7	1.5	5	9	9	LOC, rat oral LD50
1795	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	3.5	3.5	4	20	TLV-TWA, rat LC50
1796	Mercaptobenzoic acid, o-	147-93-3	0.2	0.6	4	20	Mouse ip LD50
1797	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4	5	15	40	40	WEEL-TWA, pregnant rat TDlo rat oral LD50
1798	Mercaptoethanol, 2-	60-24-2	0.6	6	40	600	WEEL-TWA, rat oral TDlo, mouse LC50
1799	Mercaptopropionic acid, 3-	107-96-0	0.25	0.75	6	40	Mouse subcutaneous TDlo, rat oral LD50
1800	Mercuric acetate	1600-27-7	0.0159	0.0477	3.2	3.2	PEL-TWA, TLV-STEL, PAC-3, IDLH
1801	Mercuric cyanide	592-04-1	0.0315	1.5	12.6	12.6	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1802	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	0.0566	0.0566	0.227	22.7	Hg compounds TLV-TWA, TEEL-0, PEL-C, IDLH
1803	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	0.037	0.037	0.148	14.8	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1804	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	0.0395	0.0395	0.158	15.8	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1805	Mercuric trifluoroacetate	13257-51-7	0.0213	0.0638	0.0851	4.3	Hg Alkyl cmpds TLV-TWA, PEL-C, PEL-C, IDLH
1806	Mercuriol; (Mercury nucleate)	12002-19-6	0.025	0.025	0.1	10	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1807	Mercurous chloride; (Mercury monochloride)	7546-30-7	0.0294	0.0294	0.118	11.8	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1808	Mercurous nitrate monohydrate	7782-86-7	0.0351	0.0351	0.14	14	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1809	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	0.0327	0.0327	0.131	13.1	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1810	Mercurous oxide; (Mercury(I) oxide)	15829-53-5	0.026	0.026	0.104	10.4	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1811	Mercury hydroxide	12135-13-6	0.0292	0.0292	0.117	11.7	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1812	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	0.0405	0.2	1.62	16.2	Hg compounds TLV-TWA, TEEL-2/7, adjusted PEL-C, IDLH
1813	Mercury nitrite; (Mercury(II) nitrite)	18541-72-5	0.0365	0.0365	0.146	14.6	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1814	Mercury vapor	7439-97-6	0.025	0.25	1.7	8.9	TLV-TWA, PAC-2/7, AEGL-2, AEGL-3
1815	Mercury(I) chloride; (Dimercury dichloride)	10112-91-1	0.0294	0.15	1.18	11.8	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1816	Mercury(II) chloride; (Mercury bichloride)	7487-94-7	0.0338	4	13.5	13.5	Hg compounds TLV-TWA, TEEL-2/7, TEEL-3, IDLH
1817	Mercury(II) nitrate monohydrate	7783-34-8	0.0427	0.0427	0.171	17.1	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1818	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	0.027	1.5	10.8	10.8	Hg compounds TLV-TWA, TEEL-2/7, TEEL-3, IDLH
1819	Mesitylene; (1,3,5-Trimethylbenzene)	108-67-8	125	688	1,770	2,500	TLV-TWA, AEGL-1, AEGL-2 , rat 240 min LC50
1820	Metaphosphoric acid	37267-86-0	10	30	50	250	Used PNOS default
1821	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	7.5	25	44	44	LOC Rat 60 min LClo
1822	Methacrylaldehyde	78-85-3	0.2	0.573	8.02	13.5	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1823	Methacrylamide	79-39-0	0.015	0.04	0.3	200	Human TClo, rat LD50
1824	Methacrylic acid	79-41-4	23.6	23.6	215	774	PAC-1, AEGL-1, AEGL-2, AEGL-3
1825	Methacrylic acid, diester with triethylene glycol; (Polyester TGM3)	109-16-0	1.5	5	35	500	TEEL-1/3, TEEL-2/7, rat oral TDlo, 500 mg/m ³ max
1826	Methacrylic anhydride	760-93-0	0.75	2.5	4.5	150	LOC, mouse 120 min LC50
1827	Methacrylonitrile; (Methylacrylonitrile)	126-98-7	2.74	2.74	35.7	68.6	PAC-1, AEGL-1, AEGL-2, AEGL-3

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1828	Methacryloyl chloride	920-46-7	0.125	0.35	0.598	25	PAC-1/3, PAC-2*3/5, LOC, rat 240 min LC50
1829	Methamidophos	10265-92-6	3.5	10	60	60	PAC-1/3, adjusted LOC/7, rat 240 min LC50, rat 240 min LC50
1830	Methane	74-82-8	600	2,000	3,000	1.25E+05	TLV-TWA for aliphatic hydrocarbon gases, TEEL-0*3, TEEL-0*5, mouse 120 min LC50
1831	Methane-d3	676-80-2	750	2,000	4,000	40,000	Used methane (74-82-8) PAC values
1832	Methanesulfonic acid	75-75-2	4	12.5	75	400	
1833	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	0.5	1.5	10	150	
1834	Methanesulfonyl chloride	124-63-0	0.4	1.25	9.83	29	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
1835	Methanesulfonyl fluoride	558-25-8	2.5	7.5	14	14	P-2/5, P-2*3/5, LOC, LOC
1836	Methidathion; (O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazoliny-3-methyl)dithiophosphate)	950-37-8	1	3	20	400	LOC, rat 240 min LC50
1837	Methiocarb; (Mercaptodimethur)	2032-65-7	3	7.5	15	15	LOC, rat oral LD50
1838	Methomyl	16752-77-5	2.5	7.5	10	200	TLV-TWA, LOC, rat 240 min LC50
1839	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	0.075	0.2	1.5	500	Rat oral TDlo, rat oral LD50
1840	Methoxybenzyl alcohol, 4-	105-13-5	7.5	25	200	500	Rat skin TDlo, rat oral LD50
1841	Methoxychlor	72-43-5	15	30	250	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1842	Methoxyethoxyethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	6	20	100	100	T-2/21, T-2/7, rat oral TDlo, rat LClo
1843	Methoxyethylamine, 2-	109-85-3	1.5	5	35	150	
1844	Methoxyethylmercuric acetate	151-38-2	0.0159	0.0477	3.18	3.18	Hg conc limits

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1845	Methoxyphenol, p-	150-76-5	5	15	100	500	TLV-TWA, mouse ip TDLo, rat oral LD50
1846	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	15	50	50	150	WEEL-TWA, WEEL-STEL, TEEL-1, mouse iv LD50
1847	Methoxytrimethylsilane	1825-61-2	0.2	2	7.5	20	SAR
1848	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	0.75	15	60	60	TLV-TWA, REL-STEL, rat 360 min LC50
1849	Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone)	872-50-4	40	40	100	100	WEEL-TWA, TEEL-0, TEEL-3, rat LCLo
1850	Methyl acetate	79-20-9	600	750	1,500	7,500	PEL-TWA, TLV-STEL, human TClo, IDLH
1851	Methyl acetylene	74-99-7	1,500	2,500	2,500	2,500	PEL-TWA, IDLH
1852	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	3,000	4,000	4,000	10,000	PEL-TWA, TLV-STEL, IDLH
1853	Methyl acrylate	96-33-3	6	6	25	750	PEL-TWA, human TClo, IDLH
1854	Methyl alcohol; (Methanol)	67-56-1	250	694	2,750	9,430	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
1855	Methyl alcohol-d	1455-13-6	250	750	2,500	10,000	Used methyl alcohol (67-55-1) PAC values
1856	Methyl alcohol-d4	811-98-3	300	750	3,000	10,000	Used methyl alcohol (67-55-1) PAC values
1857	Methyl benzoate; (Benzoic acid, methyl ester)	93-58-3	12.5	35	250	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
1858	Methyl bromide; (Bromomethane)	74-83-9	4	100	815	2,870	TLV-TWA, PEL-C, AEGL-2, AEGL-3
1859	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	2.5	7.5	50	500	
1860	Methyl chloride	74-87-3	200	200	1,880	6,190	PEL-TWA, TLV-STEL, AEGL-2, AEGL-3
1861	Methyl chloroformate; (Methyl chlorocarbonate)	79-22-1	0.75	1.25	8.5	25.9	MAK-TWA, PAC-2/7, AEGL-2, AEGL-3

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1862	Methyl chlorosilane; (Chloromethylsilane)	993-00-0	2	5.93	72.5	329	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1863	Methyl cyclohexylfluorophosphonate; (GF)	329-99-7	5.00E-04	0.00147	0.0177	0.133	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1864	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	4	12.5	20	20	LOC, rat oral LD50
1865	Methyl dichlorosilane; (Dichloromethylsilane)	75-54-7	1.25	4.23	51.7	235	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1866	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	0.75	2.5	20	100	
1867	Methyl ether; (Dimethyl ether)	115-10-6	1,500	5,000	7,500	1.25E+05	WEEL-TWA, human TClo, rat LC50
1868	Methyl ethyl ketone peroxide	1338-23-4	7.5	20	150	150	TEEL-1/3, TEEL-2/7, adjusted TLV-C, rat 240 min LC50
1869	Methyl fluoride; (Fluoromethane)	593-53-3	4.48	13.4	22.4	448	Fluoride PEL-TWA, TLV-TWA0*3, TLV-TWA*5, IDLH
1870	Methyl fluoroacetate	453-18-9	0.015	0.05	0.35	5	
1871	Methyl fluorosulfate	421-20-5	0.0125	0.035	0.25	1.25	rat 60 min LC50
1872	Methyl formate; (Formic acid, methyl ester)	107-31-3	250	350	2,000	10,000	PEL-TWA, TLV-STEL, IDLH
1873	Methyl iodide	74-88-4	30	145	290	725	PEL-TWA, ERPG-1, ERPG-2, ERPG-3
1874	Methyl isobutyl ketone; (Hexone)	108-10-1	75	300	300	2,000	TLV-TWA, TLV-STEL, TEEL-1, IDLH
1875	Methyl isocyanate	624-83-9	0.04	0.058	0.156	0.466	PEL-TWA, ERPG-1, AEGL-2, AEGL-3
1876	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	600	600	600	2,000	TLV-TWA, rat 240 min LC50

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			TEEL-0	PAC-1	PAC-2	PAC-3	
1877	Methyl isothiocyanate; (Isothiocyanatomethane)	556-61-6	1.5	4	33	500	LOC rat 60 min LC50
1878	Methyl lithium	917-54-4	1	3	20	100	
1879	Methyl mercaptan	74-93-1	1	12.5	92.4	134	TLV-TWA, PAC-2/7, AEGL-2, AEGL-3
1880	Methyl mercury	22967-92-6	0.0107	0.0322	0.043	2.15	PEL-TWA, TLV-STEL, PEL-C, IDLH
1881	Methyl methacrylate	80-62-6	69.6	69.6	491	2,330	PAC-1, AEGL-1, AEGL-2, AEGL-3
1882	Methyl n-amyl ketone	110-43-0	400	500	3,500	3,500	PEL-TWA, TEEL-2/7, guinea pig TClo, IDLH
1883	Methyl nitrate; (Nitric acid, methyl ester)	598-58-3	15	50	350	1,500	Rat LC50
1884	Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)	163702-07-6 163702-08-7	7,500	25,600	83,800	1.53E+05	WEEL-TWA, AEGL-1, AEGL-2, AEGL-3
1885	Methyl parathion	298-00-0	0.02	0.06	1.2	3.5	TLV-TWA, TEEL-0*3, AEGL-2, AEGL-3
1886	Methyl phencapton	3735-23-7	2	6	11	100	LOC, rat oral LD50
1887	Methyl phosphonic dichloride	676-97-1	0.06	0.2	1.4	15	LOC rat 240 min LC50
1888	Methyl phosphonothioic dichloride	676-98-2	1.5	4	30	150	
1889	Methyl pyridine, 3-; (3-Picoline)	108-99-6	7.5	20	500	2,500	WEEL-TWA, WEEL-STEL, rat 120 min LClo
1890	Methyl salicylate	119-36-8	0.6	1.5	12.5	75	TEEL-2/21, TEEL-2/7, rat TClo, human oral LDlo
1891	Methyl sulfoxide-d6; (Dimethyl-d6-sulfoxide)	2206-27-1	750	750	750	6,000	Used DMSO, 67-68-5 limits
1892	Methyl tert-butyl ether; (MTBE)	1634-04-4	180	180	2,050	19,100	TLV-TWA, AEGL-1, AEGL-2, AEGL-3

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			TEEL-0	PAC-1	PAC-2	PAC-3	
1893	Methyl thiocyanate	556-64-9	15	50	84.9	84.9	PAC-1/3, PAC-2 x 3/5, LOC, LOC
1894	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	0.6	2	15	75	
1895	Methyl vinyl ketone; (3-Buten-2-one)	78-94-4	0.15	0.487	3.44	6.88	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1896	Methyl-1-butene, 2-	563-46-2	1.50E+05	1.50E+05	6.00E+05	1.00E+06	Simple asphyxiant
1897	Methyl-1H-benzotriazole	29385-43-1	2.5	7.5	60	300	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
1898	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	15	40	300	500	
1899	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	7.5	20	150	750	Rat 240 min LC50 based on HHR = 2
1900	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	0.075	0.25	2	10	
1901	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	0.075	0.25	1.5	400	Rat sc TDlo pre, rat oral LD50
1902	Methyl-2-butene, 2-	513-35-9	6	15	125	600	Rat LC50 eztimated from HHR = 2
1903	Methyl-2-chloroacrylate	80-63-7	0.2	0.6	4.98	35	LOC, rat 120 min LC50
1904	Methyl-2-heptanone, 6-	928-68-7	10	30	50	250	Used PNOS default
1905	Methyl-2-hexanone, 5-; (Methyl isoamyl ketone)	110-12-3	400	600	7,500	7,500	PEL-TWA, rat TClo, rat 240 min LClo
1906	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	100	100	100	5,000	PEL-TWA, TLV-STEL, human TClo, IDLH
1907	Methyl-4-penten-2-one, 4-	3744-02-3	100	100	100	5,000	Mesityl oxide limits
1908	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	1	3	150	250	TLV-TWA, TEEL-0*3, mouse oral TDlo, rat oral LD50
1909	Methyl-5-vinylpyridine, 2-	140-76-1	0.35	1	1.9	40	LOC, rat 120 min LC50

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			TEEL-0	PAC-1	PAC-2	PAC-3	
1910	Methyl-8-quinolinol, 2-	826-81-3	10	30	50	250	Used PNOS default
1911	Methylal; (Dimethoxymethane)	109-87-5	3,000	6,000	6,000	6,000	PEL-TWA, TEE-3, TEEL-3, IDLH
1912	Methylamine hydrochloride	593-51-1	3.5	10	60	500	TEEL-1/3, TEEL-2/7, Mouse ip TDLo, 500 mg/m ³ max
1913	Methylamino)ethanol, 2-(	109-83-1	10	30	200	1,000	Rat oral LD50
1914	Methylaniline, N-	100-61-8	7.5	7.5	10	400	PEL-TWA, rat TClo, IDLH
1915	Methylaziridine, 1-	1072-44-2	4	4	4	200	SAR
1916	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	6	20	125	500	
1917	Methylbutylamine, N-	110-68-9	7.5	20	150	750	Rat 240 min LClo
1918	Methylcellulose	9004-67-5	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intravenous LDLo
1919	Methylchlorodisilane; (Chloromethylidisilane)	68937-17-7	0.4	1.25	10	50	rat 240 min LC50
1920	Methylcholanthrene, 3-	56-49-5	0.4	1.25	7.5	75	TEEL-1/3, TEEL-2/7, rat oral TDLo, mouse intraperitoneal LDLo
1921	Methylcyclohexane	108-87-2	2,000	5,000	5,000	5,000	PEL-TWA, TEEL-3, TEEL-3, IDLH
1922	Methylcyclohexanone	1331-22-2	7.5	25	150	750	
1923	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	200	350	500	2,500	TLV-TWA, TLV-STEL, TEEL-3/5, IDLH
1924	Methylcyclopentane	96-37-7	15	40	300	12,500	Rat oral TDLo, Mouse LClo (120 min assumed)
1925	Methyldecane, 4-	2847-72-5	10	30	50	250	Used PNOS default
1926	Methyldichloroarsine; (Dichloromethylarsine)	593-89-5	0.053	0.053	0.053	0.16	PAC-2, PAC-2, AEGL-2, AEGL-3

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

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1927	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	0.1	12.5	75	500	TLV-TWA, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50
1928	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	0.05	0.05	0.1	2	TLV-TWA, REL-C, guinea pig 60 min LC50
1929	Methylene chloride; (Dichloromethane)	75-09-2	75	694	1,940	24,000	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
1930	Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)	101-68-8	0.051	0.2	2	25	TLV-TWA, ERPG-1, ERPG-2, ERPG-3
1931	Methylene fluoride; (Difluoromethane; HFC-32)	75-10-5	2,000	6,000	4.00E+05	7.50E+05	WEEL-TWA, rat TClo, rat 240 min LC50
1932	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5	24	72.1	120	120	PEL-TWA as CN IDLH
1933	Methylenebisacrylamide, N,N'-	110-26-9	1.5	5	35	150	Mouse oral TDlo, rat oral LD50
1934	Methylenedianiline, 4,4'-	101-77-9	0.075	0.75	5	40	PEL-TWA, PEL-STEL, human oral TDlo, rat oral LD50
1935	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	0.6	2	12.5	60	
1936	Methylformamide, N-	123-39-7	40	125	750	1,000	Rat TClo, rat oral LD50
1937	Methylfuran, 2-	534-22-5	20	60	150	150	
1938	Methylheptane, 2-	592-27-8	10	30	200	1,000	Estimated rat 240 min LC50 from HHR
1939	Methylheptane, 4-	589-53-7	2	6	40	200	PAC based on isomer 592-27-8
1940	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2	10	30	50	250	Used PNOS default
1941	Methylimidazole, 1-	616-47-7	6	15	125	500	Mouse oral LD50
1942	Methylimidazole, 4-	822-36-6	20	60	300	300	Rat oral TDlo, rat oral LD50
1943	Methylactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	15	50	400	500	

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1944	Methylactonitrile, 2-; (Acetone cyanohydrin)	75-86-5	5	6.96	24.7	52.2	WEEL-TWA, AEGL-1, AEGL-2, AEGL-3
1945	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	2	6	40	200	Rat 240 min LC50 based on HHR =3
1946	Methylmagnesium chloride	676-58-4	1.5	5	35	150	Rat oral LD50 based on HHR = 3
1947	Methylmercuric dicyanamide	502-39-6	0.0149	0.0447	2.98	2.98	Used Hg (organic compounds) exposure limits
1948	Methylmorpholine, 4-	109-02-4	7.5	25	150	750	Rat 240 min LClo
1949	Methylnaphthalene, 1-	90-12-0	3	20	20	500	TLV-TWA, Russ STEL, rabbit skin TDlo, rat oral LD50
1950	Methylnaphthalene, 2-	91-57-6	3	3	3.5	500	TLV-TWA, PAC-2/7, rabbit skin TDlo, rat oral LD50
1951	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	0.3	0.75	6	30	
1952	Methylnonane, 4-	17301-94-9	12.5	40	250	1,250	Estimated rat LC50
1953	Methylpentane, 2-; (Isohexane)	107-83-5	1,500	1,500	1,500	7,500	TLV-TWA, REL-C, REL-C, PAC-2*5
1954	Methylpentane, 3-	96-14-0	1,500	1,500	1,500	7,500	TLV-TWA, TEEL-2, REL-C, TEEL-2*5
1955	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	1	3	20	600	Human TClo, rat oral LD50
1956	Methylphenol, 2-; (o-Cresol)	95-48-7	20	20	110	1,000	PEL-TWA, TEEL-0, LOC, mouse 120 min LC50
1957	Methylphenol, 3-; (m-Cresol)	108-39-4	20	20	110	1,000	PEL-TWA, TEEL-0, LOC, rat oral LD50
1958	Methylphenol, 4-; (p-Cresol)	106-44-5	20	20	110	1,000	PEL-TWA, TEEL-0, LOC, rat oral LD50
1959	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	10	30	50	50	LOC, rat oral LD50
1960	Methylphosphonate	993-13-5	10	10	10	10	Used PNOS default

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1961	Methylphosphonothioic acid, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	1.5	5	8	8	LOC, rat oral LD50
1962	Methylphosphonothioic acid-, O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	2	6	10	10	LOC, rat oral LDlo
1963	Methylphosphonothioic acid, S-(2-(dimethylamino)ethyl) O-ethyl ester	20820-80-8	6.00E-04	0.0015	0.0125	0.06	Human LC50
1964	Methylpropane, 2-; (Isobutane)	75-28-5	2,000	6,000	10,000	35,000	REL-TWA, TEEL-0*3, TEEL-0*5, rat LC50
1965	Methylpropene, 2-; (Isobutene)	115-11-7	600	1,500	3,000	2.00E+05	TLV-TWA, TEEL-0 x 3, TEEL-0 x 5, rat 240 min LC50
1966	Methylpropylnitrosoamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	0.04	0.125	0.75	15	rat oral TDlo, rat oral LD50
1967	Methylpyridine, 2-; (2-Picoline)	109-06-8	7.5	20	20	1,250	WEEL-TWA, WEEL-STEL, rat oral TDlo, rat LC50
1968	Methylpyrrole, N-	96-54-8	75	250	500	500	Rat oral LD50 based on HHR
1969	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	0.75	2	15	75	Mouse ip LD50
1970	Methylstyrene, alpha-	98-83-9	50	500	500	3,500	TLV-TWA, REL-STEL, PEL-C, IDLH
1971	Methyltetrahydrofuran, 2-	96-47-9	20	60	400	2,000	Rat 240 min LC50
1972	Methyltriacetoxysilane	4253-34-3	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
1973	Methyltrichlorosilane; (Trichloromethyl silane)	75-79-6	1.25	3.67	44.6	202	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1974	Methyltriethoxysilane	2031-67-6	40	125	750	4,000	Rat 480 min LClo
1975	Methyl-trifluoromethanesulfonate	333-27-7	7.2	21.6	36	500	Fluoride PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1976	Methyltrimethoxysilane	1185-55-3	50	150	500	500	Rat oral LD50
1977	Methyltrioctylammonium chloride	5137-55-3	0.75	2.5	20	100	Rat oral LD50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1978	Methylvinylchlorosilane; (Dichloromethylvinylsilane)	124-70-9	1.5	5.19	63.4	288	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
1979	Methylvinylsiloxane-dimethylsiloxane copolymer, vinyl terminated	68083-18-1	10	30	50	250	Used PNOS default
1980	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	1	3	4.8	200	LOC, rat 240 min LC50
1981	Mevinphos; (Phosdrin)	7786-34-7	0.01	0.3	4	36.6	TLV-TWA, REL-STEL, LOC, IDLH
1982	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	2.5	7.5	14	14	LOC, rat oral LD50
1983	Mica; (mica silicates)	12001-26-2	3	9	15	500	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH exceeds 500 mg/m ³ max
1984	Michler's ketone; (4,4'-Bis(dimethylamino)benzophenone)	90-94-8	1	3.5	25	40	rat oral TDLo, bird oral LD50
1985	Mineral fibers, fine	z-0032	10	30	50	250	Used PNOS default
1986	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5	5	15	500	500	TLV-TWA, rat TClo, rat oral LD50
1987	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3	5	15	100	500	TLV-TWA, mouse sk TDLo, TEEL-2*5
1988	Mineral oil, petroleum distillates, solvent refined light naphthenic	64741-97-5	5	15	25	500	TLV-TWA, TEEL-3/5, rat oral LD minimum
1989	Mineral oil, petroleum distillates, solvent-refined (mild) heavy paraffinic	64741-88-4	5	15	25	500	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD minimum
1990	Mineral oil, white	8042-47-5	5	15	500	500	TLV-TWA, TLV-TWA*3, rat oral TDLo exceeds 500 mg/m ³ max, TEEL-2
1991	Mineral oil; (Oil mist, mineral)	8012-95-1	5	10	10	500	PEL-TWA, REL-STEL, TEEL-1, IDLH exceeds 500 mg/m ³ max
1992	Mirex; (Perchloropentacyclodecane)	2385-85-5	0.1	0.3	2	100	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
1993	Mitomycin C	50-07-7	4	12.5	23	23	LOC, rat LD50
1994	Molecular sieve 13X	63231-69-6	7.5	25	150	500	Estimated rat oral LD50 from HHR

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
1995	Molybdate orange	12656-85-8	50	150	500	500	TLV-TWA, IDLH
1996	Molybdenum	7439-98-7	15	15	15	500	PEL-TWA, TEEL-0, TEEL-0, LDLo exceeds 500 mg/m ³ max
1997	Molybdenum carbide	12011-97-1	16.9	33.8	56.3	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1998	Molybdenum dioxide	18868-43-4	0.667	2	3.5	500	TLV-TWA, IDLH
1999	Molybdenum disilicide	12136-78-6	23.8	47.6	79.3	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2000	Molybdenum hexacarbonyl	13939-06-5	41.3	82.6	138	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2001	Molybdenum pentachloride	10241-05-1	1.42	4.27	500	500	TLV-TWA, IDLH
2002	Molybdenum trioxide	1313-27-5	0.75	0.75	0.75	500	TLV-TWA, TEEL-0, TEEL-0, IDLH
2003	Molybdenum(IV) sulfide	1317-33-5	25	50.1	83.4	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2004	Molybdic acid	7782-91-4	0.844	2.53	4.22	500	TLV-TWA, IDLH
2005	Molybdic acid, ammonium salt; (Ammonium molybdate)	11098-84-3	1.17	3.51	500	500	TLV-TWA, IDLH
2006	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	1.07	3.22	10	500	TLV-TWA, IDLH
2007	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	0.867	2.6	4.33	500	TLV-TWA, IDLH
2008	Molybdophosphoric acid	12026-57-2	0.793	2.38	4	500	TLV-TWA, IDLH
2009	Molybdophosphoric acid hydrate; (Phosphomolybdic acid hydrate)	51429-74-4	0.807	2.42	4.03	500	TLV-TWA, IDLH
2010	Monobutyl phosphite	16456-56-7	6	20	150	500	Mo sol cmpds conc limits
2011	Monochloroamine; (Chloramide)	10599-90-3	0.1	0.35	2	10	TEEL-1/3, TEEL-2/7, rat oral TDLo, TEEL-2*5

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			TEEL-0	PAC-1	PAC-2	PAC-3	
2012	Monochloropentafluoroethane; (CFC-115)	76-15-3	6,000	15,000	30,000	2.00E+06	TLV-TWA, rat 240 min LC50
2013	Monocrotophos	6923-22-4	0.05	0.15	0.63	25	TLV-TWA, LOC rat oral LD50
2014	Monomethylamine; (Methylamine)	74-89-5	12.5	19	81.2	444	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
2015	Monomethylhydrazine; (Methyl hydrazine)	60-34-4	0.015	0.35	1.69	5.08	TLV-TWA, PEL-C, AEGL-2, AEGL-3
2016	Monosodium titanate	60704-88-3	10	30	50	250	Used PNOS default
2017	Montmorillonite	1318-93-0	0.3	0.75	6	30	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat intravenous LD50
2018	Morpholine	110-91-8	60	100	100	5,000	PEL-TWA, REL-STEL, IDLH
2019	Morpholinepropanesulfonic acid, 4-	1132-61-2	1.25	4	25	125	Quail oral LD50 maximum
2020	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	1.25	4	25	125	Quail oral LD50 minimum
2021	Muscimol; (5-Aminomethyl-3-isoxazole)	2763-96-4	3.5	10	17	20	Rat oral LD50, human TDLo
2022	Mustard gas sulfoxide; (bis(2-Chloroethyl)sulfoxide)	5819-08-9	0.4	1.25	7.5	40	Mouse subcutaneous LDLo
2023	Myoglobins	9008-45-1	10	30	50	250	Used PNOS default
2024	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	35	100	600	3,500	Rat oral LD50
2025	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	200	500	500	500	
2026	Nabumetone; (Relafen; 4-(6-Methoxy-2-naphthyl)-2-butanone)	42924-53-8	0.75	2.5	15	500	TEEL-1/3, TEEL-2/7, human oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2027	Nadic methyl anhydride	25134-21-8	0.75	2	15	75	

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			TEEL-0	PAC-1	PAC-2	PAC-3	
2028	Naphtha (coal tar); (Naphtha [petroleum] light aliphatic; Aliphatic naphtha)	8030-30-6	400	1,500	4,000	4,000	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
2029	Naphtha (petroleum), heavy catalytic cracked	64741-54-4	15	40	300	500	PAC-2/21, PAC-2/7, rat oral TDlo, rat LClo min
2030	Naphtha (petroleum), light straight-run	64741-46-4	400	1,500	4,000	4,000	Used Naphtha (coal tar) (8030-30-6) PACs
2031	Naphtha, heavy aliphatic solvent	64742-96-7	15	40	300	500	Used Naphtha (petroleum) heavy catalytic cracked (64741-54-4) PAC
2032	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	1,250	3,500	6,000	7,500	OEL-TWA, rat oral LD50 from HHR
2033	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	0.6	1.5	12.5	350	TEEL-2/21, TEEL-2/7, rat intraperitoneal TDlo, rat oral LD50
2034	Naphthalene	91-20-3	50	75	75	1,250	PEL-TWA, TLV-STEL, PAC-1, IDLH
2035	Naphthaleneacetamide, 1-	86-86-2	6	20	150	500	
2036	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	10	30	50	250	Used PNOS default
2037	Naphthenic acid, lead salt	61790-14-5	1.25	4	30	500	mouse skin TDlo, rat oral LD50
2038	Naphthol, 1-	90-15-3	25	75	500	500	Rabbit TDlo, rat LD50
2039	Naphthol, 2-	135-19-3	0.0025	0.0075	0.05	500	Human TClo, rat oral LD50
2040	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	2	6	40	200	mouse oral LDlo
2041	Naphthoquinone, 1,4-	130-15-4	7.5	25	75	75	TEEL-2/21 TEEL-2/7, rat oral TDlo, rat oral LD50
2042	Naphthylamine, beta-	91-59-8	1.5	5	35	300	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
2043	Naphthylthiourea, alpha-; (ANTU)	86-88-4	0.3	0.9	10	100	PEL-TWA, TLV-TWA*3, LOC, IDLH
2044	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0	10	30	50	250	Used PNOS default

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			TEEL-0	PAC-1	PAC-2	PAC-3	
2045	Neodecanoic acid	26896-20-8	12.5	40	300	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, mamal oral LD50
2046	Neodecanoic acid, calcium salt; (Calcium neodecanoate)	27253-33-4	12.5	40	300	500	Used Neodecanoic acid (26896-20-8) PACs
2047	Neodymium	7440-00-8	0.00075	0.0025	0.02	0.1	Human intracerebral TDlo
2048	Neodymium bromide	13536-80-6	2.51	3.14	3.14	47.1	As bromine, TLV-TWA, TLV-STEL, TEEL-1, IDLH
2049	Neodymium fluoride	13709-42-7	8.83	26.5	44.1	500	As fluoride, PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2050	Neodymium hydroxide	16469-17-3	0.75	0.75	2	75	SAR
2051	Neodymium nitrate	10045-95-1	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2052	Neodymium nitrate, pentahydrate	14517-29-4	10	30	50	250	Used PNOS default
2053	Neodymium nitrite	z-0033	0.04	0.1	0.75	75	SAR
2054	Neodymium(III) chloride	10024-93-8	0.6	1.5	12.5	60	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat intraperitoneal LD50
2055	Neodymium(III) oxide	1313-97-9	20	60	400	500	rat oral LD50 minimum
2056	Neon	7440-01-9	50,000	50,000	1.50E+05	3.00E+05	Simple asphyxiant
2057	Nickel	7440-02-0	1	4.5	10	10	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
2058	Nickel acetate tetrahydrate	6018-89-9	4.24	12.7	21.2	42.4	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2059	Nickel aluminide	12003-78-0	0.271	0.814	1.36	13.6	Ni insoluble compounds
2060	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	0.427	1.28	2.14	21.4	Insol Ni, TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
2061	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	0.346	1.04	1.73	17.3	Ni, TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2062	Nickel carbonyl	13463-39-3	0.006	0.035	0.251	1.12	PEL-TWA, PAC-2/7, AEGL-2, AEGL-3
2063	Nickel chloride; (Nickelous chloride)	7718-54-9	0.221	0.221	0.221	22.1	Ni, TLV-TWA, TEEL-0, TEEL-0, IDLH
2064	Nickel cyanide	557-19-7	0.377	0.5	3.5	18.9	Ni TLV-TWA, TEEL-2/7, TEEL-3/5, IDLH
2065	Nickel fluoride	13940-83-5	0.575	1.73	3	28.8	Ni, TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
2066	Nickel formate	3349-06-2	2.53	7.6	12.7	25.3	Ni, PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2067	Nickel oxalate (liquids)	6018-94-6a	0.25	0.75	1.25	25	sol Ni, TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
2068	Nickel oxalate (solids)	6018-94-6b	0.5	1.5	2.5	25	insol Ni, TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
2069	Nickel oxide; (Nickel(II) oxide)	1313-99-1	0.255	0.764	12.7	12.7	insol Ni, TLV-TWA, TLV-TWA*3, TEEL-3, IDLH
2070	Nickel perchlorate	13637-71-3	1.25	3.74	6.23	62.3	insol Ni, TLV-TWA, TLV-TWA*3, TEEL-3, IDLH
2071	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	0.427	1.28	2.14	42.7	Ni sol cmpds, TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2072	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	0.448	1.34	10	44.8	Ni sol cmpds, TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2073	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	0.264	0.791	1.32	26.4	Ni sol cmpds, TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2074	Nickel(2+) stearate	2223-95-2	10.7	32	53.3	107	Ni insol cmpds, PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2075	Nickel(II) bromide	13462-88-9	0.372	1.12	1.86	37.2	Ni sol cmpds, TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
2076	Nickel(II) carbonate (1:1)	3333-67-3	0.405	1.21	2.02	20.2	insol Ni, TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2077	Nickel(II) chloride hexahydrate	7791-20-0	0.405	15	40.5	40.5	Ni, TLV-TWA, TEEL-2/7, TEEL-3, IDLH
2078	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	0.0237	0.06	0.4	15.8	Ni, REL-TWA, TEEL-0, rat intramuscular TDLo, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2079	Nickel(II) nitrate hexahydrate	13478-00-7	0.496	1.25	10	49.6	sol Ni, TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2080	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	0.31	0.93	12.5	31	TLV-TWA, TEEL-0*3, rat intratesticular TDLo, IDLH
2081	Nickel(II) nitrite	17861-62-0	0.1	0.3	0.5	10	sol Ni, TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2082	Nickel(II) phosphate	10381-36-9	0.2	0.6	1	10	insol Ni, TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2083	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	0.374	1.12	1.87	18.7	Ni, TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
2084	Nicotinamide	98-92-0	6	20	150	500	Mouse ip TDlo, rat oral LD50
2085	Nicotine sulfate	65-30-5	4	9	9	9	LOC, rat 240 min LC50
2086	Nicotine, dl-beta-; (DL-Nicotine)	22083-74-5	0.75	2	15	75	rat oral LD50
2087	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	0.5	1.5	3.5	5	PEL-TWA, LOC, IDLH
2088	Nicotinic acid; (Niacin)	59-67-6	0.75	2.5	15	500	Human oral TDlo, rat oral LD50
2089	Niobium	7440-03-1	40	125	500	500	rat oral LD50 minimum
2090	Niobium chloride	10026-12-7	0.2	0.6	4	500	rat oral TDlo, rat oral LD50
2091	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	10	30	200	500	Rat it TDlo, mouse oral LD50
2092	Niobium(IV) carbide	12069-94-2	10	30	50	250	Used PNOS default
2093	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	15	20	20	400	PEL-TWA, TLV-STEL, rabbit oral TDlo, rat oral LD50
2094	Nitrate(s)	14797-55-8	10	30	50	250	Used PNOS default
2095	Nitric acid	7697-37-2	1.36	1.36	61.8	237	PAC-1, AEGL-1, AEGL-2, AEGL-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2096	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	10	30	50	250	Used PNOS default
2097	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	1.25	3.5	25	125	Cat ip LD50
2098	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	125	400	2,500	12,500	Mouse 420 min LClo
2099	Nitric oxide	10102-43-9	0.613	0.613	14.7	24.5	PAC-1, AEGL-1, AEGL-2, AEGL-3
2100	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	6	15	125	500	Rat oral LD50
2101	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8	0.06	0.2	1.25	500	Rat oral TDlo, rat oral LD50
2102	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	35	100	500	500	
2103	Nitrilotris(methylene)trisphosphonic acid; (Amino, tris[methylene phosphonic acid])	6419-19-8	10	10	35	500	WEEL-TWA, rat oral TDlo, rat oral LD50
2104	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	6	20	125	500	Rat 4 hr LC50
2105	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	0.6	1.5	12.5	200	
2106	Nitroaniline, p-	100-01-6	6	9	300	300	PEL-TWA, TLV-TWA*3, IDLH, IDLH
2107	Nitrobenzene	98-95-3	5	15	100	1,000	PEL-TWA, TEEL-2/7, LOC, IDLH
2108	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	40	125	500	500	Rat oral LD50
2109	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	92-93-3	0.25	0.75	5	500	TEEL-1/3, TEEL-2/7, dog oral TDlo, rat oral LD50
2110	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-Chloronitrobenzene)	121-73-3	0.06	0.2	1.25	150	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50
2111	Nitrocyclohexane	1122-60-7	0.3	0.75	1.5	60	LOC, rat 240 min LC50
2112	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	1.5	5	40	200	SAR

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2113	Nitrodiphenylamine, 2-	119-75-5	30	100	500	500	
2114	Nitroethane	79-24-3	300	300	600	3,000	PEL-TWA, IDLH
2115	Nitrogen	7727-37-9	7.50E+05	7.50E+05	1.0E+06	1.0E+06	Total Nitrogen Simple Asphyxiant
2116	Nitrogen dioxide	10102-44-0	0.94	0.94	22.6	37.6	PAC-1, AEGL-1, AEGL-2, AEGL-3
2117	Nitrogen mustard hydrochloride	55-86-7	0.75	2.5	4	4	
2118	Nitrogen mustard; (Bis(b-chloroethyl)methylamine; Nitrogen mustard-2)	51-75-2	0.001	0.003	0.022	0.37	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
2119	Nitrogen tetroxide	10544-72-6	1	3.54	86.5	143	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2120	Nitrogen trifluoride	7783-54-2	30	580	1,540	2,500	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2121	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	15	40	300	1,500	TEEL-1/3, TEEL-2/7, human TLo, TEEL-2*5
2122	Nitroglycerin	55-63-0	0.1	0.1	2	75	TLV-TWA, REL-STEL, PEL-C, IDLH
2123	Nitromethane	75-52-5	50	150	1,500	1,500	TLV-TWA, TEEL-0*3, TEEL-3, IDLH
2124	Nitromethane-d3; (Trideuteronitromethane)	13031-32-8	50	150	500	2,000	Used Nitromethane (CASRN 75-52-5) PAC values
2125	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	10	30	200	500	Rat oral LD50
2126	Nitronium Tetrafluoroborate	13826-86-3	4.37	13.1	21.8	437	Fluoride PEL-TWA, IDLH
2127	Nitrophenol (mixed isomers)	25154-55-6	0.75	2.5	15	75	4-Nitrophenol PAC used
2128	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	1.25	4	30	150	Rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2129	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	1.25	4	30	150	Rat oral LD50
2130	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7	6	20	75	75	TEEL-1/3, TEEL-2/7, TEEL-3, rat LD50 exceeds 500 mg/m ³ max
2131	Nitropropane, 1-	108-03-2	75	250	400	3,500	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2132	Nitropropane, 2-	79-46-9	75	75	75	350	PEL-TWA, TEEL-0, TEEL-0, IDLH
2133	Nitropyrene, 1-	5522-43-0	0.1	0.3	2	10	
2134	Nitropyridine-N-oxide, 4-; (Pyridine, 4-nitro, 1-oxide)	1124-33-0	15	50	80	80	LOC, rat oral LD50
2135	Nitrosodimethylamine	62-75-9	3.5	10	19	100	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50
2136	Nitrosodiphenylamine, p-	156-10-5	0.1	0.3	2	150	
2137	Nitrosodipropylamine; (DPNA)	621-64-7	0.06	0.2	1.25	200	
2138	Nitrosomorpholine	59-89-2	0.4	1.25	7.5	30	TEEL-1/3, TEEL-2/7, rat oral TDlo, mouse 10 min LClo
2139	Nitroso-N-methylurea, N-	684-93-5	4	12.5	50	50	TEEL-1/3, TEEL-2/7, TEEL-3, rat oral LD50
2140	Nitrosophenol, p-	104-91-6	2	6	40	200	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse ip LDlo
2141	Nitrosotoluene, 2-; (o-Nitrosotoluene)	611-23-4	7.5	25	150	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, 500 mg/m ³ max
2142	Nitrosyl chloride	2696-92-6	0.06	0.2	1.25	6	
2143	Nitrosylsulfuric acid	7782-78-7	1.5	5	35	150	Rat LD50 based on HHR = 3
2144	Nitrotoluene, m-	99-08-1	25	35	50	1,000	PEL-TWA, rat 240 min LC50, IDLH
2145	Nitrotoluene, o-	88-72-2	25	35	50	1,000	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2146	Nitrotoluene, p-	99-99-0	25	30	200	1,000	PEL-TWA, TEEL-2/7 rat oral TDLo, IDLH
2147	Nitrous acid	7782-77-6	1.37	1.37	61.8	237	Used HNO ₃ (7697-37-2) PAC values
2148	Nitrous oxide	10024-97-2	75	250	15,000	35,000	TLV-TWA, TEEL-0*3, EEGL-60 min, EEGL-30 min
2149	Nonacosane	630-03-5	10	30	50	250	Used PNOS default
2150	Nonanal	124-19-6	2	6	40	500	
2151	Nonane; (Shellsol 140)	111-84-2	1,000	1,000	1,500	1,500	TLV-TWA, TEEL-2/7, TEEL-3, rat 240 min LC50
2152	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	150	150	150	750	PEL-TWA, mouse intravenous LD50
2153	Nonanoic acid	112-05-0	25	75	500	500	Rat oral LDlo
2154	Nonanone, 2-	821-55-6	6	15	125	500	Rat LClo > 3980 mg/m ³
2155	Nonene, 1-	124-11-8	2.5	7.5	50	250	Estimated rat LC50
2156	Nonoxynol-4	7311-27-5	10	30	50	250	Used PNOS DEFAULT
2157	Nonyl alcohol	143-08-8	25	75	500	500	Rat 240 min TClo, mouse 120 min LC50
2158	Nonyl phenol (mixed isomers)	25154-52-3	2.5	7.5	50	250	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50
2159	Nonyl phenol, 4- (branched)	84852-15-3	0.4	1.25	7.5	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
2160	Nonyl phenol, p-	104-40-5	7.5	25	150	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2161	Nonylphenol, 4-, branched, ethoxylated	127087-87-0	10	30	200	500	
2162	Nonylphenoxypolyethoxyethanol	68412-54-4	10	30	50	250	Used PNOS default

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2163	Nonyltrichlorosilane	5283-67-0	2	6.42	78.1	353	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2164	Norbormide	991-42-4	0.75	2	3.8	3.8	LOC, rat oral LD50
2165	Norchlorofluoroepibatidine	z-0034	0.00004	0.000125	0.00075	0.00125	
2166	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	0.004	0.01	0.075	0.4	
2167	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	0.003	0.0075	0.06	10	
2168	Octachloronaphthalene	2234-13-1	0.1	0.3	0.3	1	PEL-TWA, TLV-STEL, IDLH
2169	Octacosane	630-02-4	350	350	1,500	7,500	NIOSH exposure limits for alkanes
2170	Octadecane, n-	593-45-3	350	350	1,500	7,500	NIOSH exposure limits for alkanes
2171	Octadecanoic acid, n-; (Stearic acid)	57-11-4	0.15	0.5	3.5	15	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat intravenous LD50
2172	Octadecanol, 1-	112-92-5	25	75	600	7,500	
2173	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	0.015	0.05	0.4	500	Rat oral LD50
2174	Octadecyl methacrylate	32360-05-7	10	30	50	250	Used PNOS default
2175	Octadecyltrichlorosilane	112-04-9	3	9.51	116	523	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2176	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	2.00E+05	6.00E+05	2.50E+06	2.50E+06	Mouse TClo, mouse 120 min LClo
2177	Octamethylcyclotetrasiloxane	556-67-2	150	400	3,000	4,000	Rat 240M LC50, rat TClo
2178	Octamethyldiphosphoramidate; (Octamethylpyrophosphoramidate)	152-16-9	0.15	0.5	0.8	3.5	
2179	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	20	60	500	500	

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2180	Octanamine, 1-	111-86-4	0.4	1.25	7.5	40	Rat oral LDlo
2181	Octane, n-	111-65-9	1,250	1,250	1,500	4,000	TLV-TWA, REL-C, IDLH
2182	Octanedione, 2,5-	3214-41-3	20	60	500	500	Estimated LC50
2183	Octanenitrile	124-12-9	7.5	20	150	750	
2184	Octanethiol, 1-	111-88-6	0.15	0.4	3	750	REL-C, rat oral LD50
2185	Octanoic acid; (Caprylic acid)	124-07-2	40	125	500	500	Rat oral LD50
2186	Octanol, 2-	123-96-6	12.5	35	250	350	PAC-2/21, PAC-2/7, rat 120 min TClo, human oral LDlo
2187	Octanone, 2-	111-13-7	60	200	500	500	Russian STEL, mouse TClo, rat LC50 minimum
2188	Octaphenylcyclotetrasiloxane	546-56-5	20	60	400	500	Rat oral LD50 minimum
2189	Octene, 1-	111-66-0	183	183	3,670	9,170	PAC-1, ERPG-1, ERPG-2, ERPG-3
2190	Octyl alcohol; (n-Octanol)	111-87-5	27	27	107	803	PAC-1, ERPG-1, ERPG-2, ERPG-3
2191	Octyl mercaptan, t-	141-59-3	0.75	2	3.59	10.8	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
2192	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9	10	30	50	250	Used PNOS default
2193	Octyltrichlorosilane	5283-66-9	2	6.05	73.6	333	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2194	Oil gas; (Oil fog)	z-0035	150	500	3,500	12,500	Rat TCLo, rat LC50
2195	Oleum; (fuming Sulfuric acid)	8014-95-7	0.06	0.20	8.7	160	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2196	Organorhodium complex	z-0036	0.292	0.8	0.8	292	PEL-TWA, LOC, LOC IDLH

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2197	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	0.4	1.25	7.5	40	Rat LC50 assumed
2198	Osmium	7440-04-2	0.25	0.75	6	30	Dog intravenous LDlo
2199	Osmium tetroxide	20816-12-0	0.002	0.006	0.0873	41.6	PEL-TWA, TLV-STEL, AEGL-2, AEGL-3
2200	Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)	106602-80-6	0.4	1.18	6.95	90.3	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2201	Ouabain	630-60-4	1.5	5	8.3	12.5	LOC, rat iv LD50
2202	Oxalic acid dihydrate	6153-56-6	0.35	1	30	150	PEL-TWA; Russian-STEL, TEEL-3/5, IDLH
2203	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	1	2	40	500	PEL-TWA, TLV-STEL, rat ip TDlo, IDLH
2204	Oxalyl chlorine	79-37-8	10	30	200	1,000	Rat 60 min LC50
2205	Oxamide	471-46-5	1.5	5	40	200	
2206	Oxamyl	23135-22-0	0.35	1	1.7	15	LOC, rat 60 min LC50
2207	Oxathiane, 1,4-	15980-15-1	15	50	350	1,500	
2208	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	10	30	75	75	mouse skin TDlo, rat ip LD50
2209	Oxone, monopersulfate compound	37222-66-5	10	30	50	250	Used PNOS default
2210	Oxybis(N,N-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	0.3	1	100	100	TLV-TWA, TLV-STEL, rat TClo, rat 360 min LC50
2211	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	2	6	40	200	
2212	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	3	10	60	125	Rabbit skin 6-18 day preg TDlo, rat LC50
2213	Oxydiphenoarsine, 10,10'-; (Phenoarsine oxide)	58-36-6	1.68	2	14	14	PEL-TWA, LOC, guinea pig LClo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2214	Oxydisulfoton	2497-07-6	0.6	2	3.5	3.5	LOC, rat oral LD50
2215	Oxygen difluoride; (Fluorine monoxide)	7783-41-7	0.1	0.25	1.83	5.52	PEL-TWA, PAC-2/7, AEGL-2, AEGL-3
2216	Ozone	10028-15-6	0.2	0.3	2	10	PEL-TWA, PAC-2/7, EEGL 60 min, IDLH
2217	Palladium	7440-05-3	1	3	20	100	TEEL-1/3, TEEL-2/7, rat intratracheal TDLo, TEEL-2*5
2218	Palladium chloride	7647-10-1	0.15	0.4	3	500	
2219	Palladium hydroxide	12135-22-7	0.125	0.3	2.5	75	SAR
2220	Palladium nitrate	10102-05-3	10	30	50	250	Used PNOS default
2221	Palladium oxide	1314-08-5	0.6	2	12.5	500	TEEL-2/21, TEEL-2/7, rat intratracheal TDLo, rat oral LD50
2222	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethanolamine	71808-29-2	10	30	50	250	Used PNOS default
2223	Paraffin, n-	8002-74-2	2	6	100	500	TLV-TWA, TEEL-0*3, rat implant TDLo, TEEL-2*5
2224	Paraffins, petroleum, normal C5-C20	64771-72-8	2,000	6,000	10,000	50,000	Exxon TLV-TWA, T-0*3, T-0*5, T-0*25
2225	Paraformaldehyde	30525-89-4	4	12.5	75	100	rat oral TDLo, rat 240 min LC50
2226	Paraldehyde	123-63-7	15	40	300	300	TEEL-1/3, TEEL-2/7, TEEL-3, human rectal LDLo
2227	Paraquat	4685-14-7	0.1	0.25	1	1	TLV-TWA, TEEL-2/7, TEEL-3, IDLH
2228	Paraquat dichloride	1910-42-5	0.1	0.1	0.15	1	REL-TWA, TEEL-0, LOC, IDLH
2229	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	0.75	2	15	40	PAC-2/21, PAC-2/7, LOC, rat oral LD50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2230	Parathion	56-38-2	0.1	0.15	1.5	2.0	PEL-TWA, TLV-TWA*3, AEGL-2, AEGL-3
2231	Paris Green; (Cupric acetoarsenite)	12002-03-8	1.13	3.38	22	22	PEL-TWA, LOC, rat oral LD50
2232	Particulate material (PNOS)	z-0037	10	30	50	250	Used PNOS default
2233	PBX (mixture of HMX and nitrocellulose [CTN])	z-0038	0.16	2.9	3	500	Assumed 25% HMX & 75% CTN mixture
2234	Pentaborane	19624-22-7	0.0125	0.04	0.361	1.81	PEL-TWA, TLV-STEL, AEGL-2, AEGL-3
2235	Pentachlorobenzene	608-93-5	0.04	0.125	0.75	400	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50
2236	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	0.00075	0.0025	0.015	0.075	TEEL-1/3, TEEL-2/7, mouse ip TDLo, TEEL-2*5
2237	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	0.0002	0.0006	0.004	0.4	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50
2238	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	0.0006	0.0015	0.0125	0.075	TEEL-1/3, TEEL-2/7 rat oral TDLo, rat oral LD50
2239	Pentachloroethane	76-01-7	42	126	500	500	MAK-TWA, TEEL-0*3, LOC and rat 120 min LC50 exceed 500 mg/m ³ max
2240	Pentachloronitrobenzene	82-68-8	0.5	1.5	100	500	TLV-TWA, TEEL-0*3, mouse oral TDLo, rat 240 min LC50 exceed 500 mg/m ³ max
2241	Pentachlorophenol	87-86-5	0.5	2	2.5	2.5	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
2242	Pentadecafluorooctanoic acid	335-67-1	0.005	0.015	75	75	MAK-TWA, TEEL-0*3, rat intraperitoneal TDLo and rat intraperitoneal LD50
2243	Pentadecane	629-62-9	30	75	600	3,000	Mouse intravenous LD50
2244	Pentadecanoic acid	1002-84-2	0.4	1.25	7.5	40	
2245	Pentadecylamine	2570-26-5	0.1	0.3	2	100	LOC, rat 240 min LC50
2246	Pentaerythritol	115-77-5	15	30	50	500	PEL-TWA, rat 360 min LClo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2247	Pentaerythritol tetra(3-mercaptopropionate), reaction products with 2-(hydroxymethyl)-2-((3-mercaptopropoxy)methyl)-1,3-propanediyl bis(3-mercaptopropionate) and 1-octene	95823-35-1	10	30	50	250	Used PNOS default
2248	Pentaerythritol tetranitrate	78-11-5	0.015	0.05	0.35	500	
2249	Pentafluorobenzoic acid	602-94-8	0.75	2	15	75	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse intraperitoneal LD50
2250	Pentafluoropropane, 1,1,1,3,3-	460-73-1	1,500	5,000	3.00E+05	3.00E+05	WEEL-TWA, TEEL-0*3, TEEL-3, mouse 120 min LCLo
2251	Pentane, n-	109-66-0	350	350	1,500	4,000	REL-TWA, TEEL-0, REL-C, IDLH
2252	Pentane-1,5-diol	111-29-5	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2253	Pentane-2,4-dione; (Acetylacetone)	123-54-6	75	200	400	400	MAK-TWA, TEEL-2/7, rat TCLo, rat 240 min LCLo
2254	Pentanenitrile	110-59-8	5	15	75	75	
2255	Pentanol, 2-; (sec-Amyl alcohol; Methyl propyl carbinol; Isoamyl alcohol, secondary)	6032-29-7	75	75	300	1,500	MAK-TWA, TEEL-0, TEEL-3/5, IDLH
2256	Pentanone, 2-; (Methyl propyl ketone)	107-87-9	500	500	500	5,000	PEL-TWA, TLV-STEL, human TClo, IDLH
2257	Pentanone, 3-; (Diethyl ketone)	96-22-0	600	1,000	1,000	3,000	TLV-TWA, TWA-STEL, rat LClo
2258	Pentatriacontane	630-07-9	10	30	50	250	
2259	Pentene, 1-	109-67-1	750	2,500	15,000	2.00E+05	Human TClo Rat 240 min LC50
2260	Pentobarbital sodium; (Nembutal sodium)	57-33-0	0.15	0.5	3.5	50	
2261	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	200	400	400	400	Human LDlo, rat TClo
2262	Peptone; (Hydrolyzed protein, Tryptones)	73049-73-7	10	30	50	250	Used PNOS default

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2263	Peracetic acid	79-21-0	0.15	0.52	1.60	15	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2264	Perboric acid, sodium salt	7632-04-4	0.5	1.5	10	500	Rat TClo, mouse LD50
2265	Perchloric acid	7601-90-3	0.015	0.04	0.3	500	TEEL-1/3, TEEL-2/7, rat oral TDlo, rat oral LD50
2266	Perchloric acid, zinc salt, hexahydrate	10025-64-6	0.6	1.5	12.5	60	Mouse ip LDlo
2267	Perchloroethylene; (Tetrachloroethylene)	127-18-4	150	237	1,560	8,130	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
2268	Perchloromethyl mercaptan	594-42-3	0.0988	0.0988	2.28	6.84	PAC-1, AEGL-1, AEGL-2, AEGL-3
2269	Perchloryl fluoride; (Chlorine oxyfluoride)	7616-94-6	6.28	6.28	16.7	50.2	PAC-1, AEGL-1, AEGL-2, AEGL-3
2270	Percoll	65455-52-9	10	30	50	250	PNOS default
2271	Perfluoro compounds, C5-C18; (Fluorinert electronic liquid perfluoro compounds)	86508-42-1	2,500	7,500	60,000	3.50E+05	Rat TClo, rat 360 min LClo minimum
2272	Perfluoroalkylether polymer; (Capped homopolymers of hexafluoropropylene epoxide, Fluorine End-)	60164-51-4	75	250	500	500	Rat oral LD50 based on HHR = 1
2273	Perfluoroisobutylene; (Octafluoro-sec-butene)	382-21-8	0.04	0.125	0.899	2.7	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
2274	Perfluoropolyether; (1,1,2,3,3,3-Hexafluoro-1-propene, oxidized, polymerized; Vacuum pump oil)	69991-67-9	10	30	200	500	Estimated LC50
2275	Periodic acid	10450-60-9	0.18	1.8	1.8	25.8	MW-adjusted iodic acid values
2276	Periodic acid, sodium salt	7790-28-5	0.25	0.75	5	25	Mouse ip LD50
2277	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	15	45	75	500	PEL-TWA, TEEL-0*3, TEEL-0*5, mouse oral LD50
2278	Permafluor E+	z-0039	100	150	500	500	Mixture as per MSDS

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2279	Permafluor-V (85+% toluene)	z-0040	60	600	4,000	15,000	0 1 to 0 9 mixture methanol and toluene PAC
2280	Peroxydicarbonic acid, disodium salt	3313-92-6	7.5	25	150	500	
2281	Petrolatum	8009-03-8	15	50	350	500	Rabbit skin TDLo, mouse ip LD50 maximum
2282	Petroleum 50 thinner; (Paint thinner)	z-0041	40	125	750	4,000	rat 240 min LC50
2283	Petroleum asphalt	8052-42-4b	0.5	7.5	50	250	TLV-TWA, TEEL-2/7, modified REL-C, TEEL-2*5
2284	Petroleum coke, calcined	64743-05-1	10	30	50	500	Used PNOS default, petroleum distillates IDLH in mg/m3
2285	Petroleum distillates, clay-treated light naphthenic	64742-45-6	20	60	400	500	TEEL-1/3, TEEL-2/7, mouse skin TDLo, TEEL-2*5
2286	Petroleum distillates, low boiling	68477-31-6	350	350	500	500	REL-TWA, TEEL-0, REL-C, IDLH
2287	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9	10	30	50	250	Used PNOS default
2288	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0	75	250	1,500	7,500	rat 240 min LC50
2289	Petroleum spirits; (VM & P Naphtha, Ligroine, Paint solvent)	8032-32-4	350	350	1,500	5,000	REL-TWA, TEEL-0, REL-C, IDLH
2290	Petroleum; (Petroleum crude oil)	8002-05-9	350	350	1,500	4,000	REL-TWA, TEEL-0, REL-C, IDLH
2291	Phenacetin; (p-Acetophenetidide)	62-44-2	0.5	1.5	10	60	TEEL-1/3, TEEL-2/7, human oral TDLo, human unknown LDLo
2292	Phenaglycodol; (Ultran; 2-p-Chlorophenyl-3-methyl-2,3-butanediol)	79-93-6	3.5	10	75	350	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2293	Phenanthrene	85-01-8	2	6	40	500	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50 exceeded 500 mg/m ³ max
2294	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	10	30	50	250	Used PNOS default
2295	Phenanthroline, 1,10-	66-71-7	0.1	0.3	2	30	Mouse ip 8D preg TDLo, mouse ip LD50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2296	Phenol	108-95-2	20	57.7	88.5	769	PEL-TWA, AEGL-1, AEGL-2, ERPG-3
2297	Phenol red, sodium salt	34487-61-1	7.5	25	150	500	Rat LD50 estimated from HHR = 2
2298	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	15	50	350	500	Rat oral LD50 minimum ex MSDS
2299	Phenolphthalein	77-09-8	0.75	2.5	15	400	
2300	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	100	100	100	500	MAK-TWA, rat TClo, rat LD50
2301	Phenyl Chloroformate; (Carbonochloridic acid, phenyl ester)	1885-14-9	0.06	0.15	1.22	3.65	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
2302	Phenyl dichloroarsine; (Dichlorophenylarsine)	696-28-6	0.061	0.061	0.061	0.18	PAC-2, PAC-2, AEGL-2, AEGL-3
2303	Phenyl ether; (Diphenyl ether)	101-84-8	6	12.5	125	600	MAK-TWA, TLV-STEL, IDLH
2304	Phenyl isocyanate	103-71-9	0.03	0.0974	0.73	1.17	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2305	Phenyl sepharose cl-4b	69106-59-8	10	30	50	250	Used PNOS default
2306	Phenyl-1,2-propanedione, 1-	579-07-7	2.5	7.5	50	250	
2307	Phenyl-2-oxazoline, 2-	7127-19-7	6	15	30	150	TLV-TWA based on other phenyl compounds
2308	Phenyl-2-propanol, 2-; (Dimethylphenylmethanol)	617-94-7	5	15	100	500	
2309	Phenylacetylene; (Ethylnylbenzene)	536-74-3	40	100	500	500	Rat oral LD50
2310	Phenylazo)aniline, p-(60-09-3	0.6	2	12.5	75	
2311	Phenylboric acid; (Benzeneboronic acid)	98-80-6	3	7.5	60	300	

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			TEEL-0	PAC-1	PAC-2	PAC-3	
2312	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	40	125	500	500	Rat oral LD ₅₀
2313	Phenylene diisocyanate, 1,4-	104-49-4	3.5	10	35	35	
2314	Phenylenediamine dihydrochloride, 1,2-	615-28-1	10	30	125	125	
2315	Phenylenediamine dihydrochloride, 1,4-	624-18-0	0.6	1.5	12.5	60	
2316	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	0.1	0.3	200	500	TLV-TWA
2317	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	0.1	0.3	10	125	TLV-TWA
2318	Phenylenediamine, p-	106-50-3	0.1	6	25	25	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
2319	Phenylhydrazine	100-63-0	0.4	1.25	7.5	60	TLV-TWA, TEEL-0*3, rat TDLo, IDLH
2320	Phenylhydrazine hydrochloride	59-88-1	50	150	250	250	LOC
2321	Phenylmagnesium bromide	100-58-3	1.5	5	35	150	Estimated rat oral LD ₅₀ based on HHR
2322	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	0.168	2.5	16.8	16.8	TLV-TWA, TEEL-2/7, TEEL-3, IDLH
2323	Phenylphenol, 2-	90-43-7	60	150	500	500	TEEL-1/3, TEEL-2/7, rat oral TDLo and LD ₅₀ exceed 500 mg/m ³ max
2324	Phenylphosphine	638-21-1	0.01	0.03	0.2	15	TEEL-1/3, TEEL-2/7, TLV-C, rat 240 min LC ₅₀
2325	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	0.06	0.15	1.25	500	Human oral TDLo, rat oral LD ₅₀
2326	Phenylsilatrane	2097-19-0	0.2	0.6	1	1	LOC
2327	Phenylthiourea; (1-Phenyl-2-thiourea)	103-85-5	0.6	1.5	3	3	T-2/5, T-2*3/5, LOC, TEEL-2
2328	Phenyltriethoxysilane	780-69-8	10	35	250	500	Rat oral LD ₅₀

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2329	Phenyltrimethoxysilane	2996-92-1	1.5	4	30	150	Mouse iv LD50
2330	Phenylxylylethane; (PXE)	6196-95-8	10	30	50	250	Used PNOD default
2331	Phloroglucinol dihydrate	6099-90-7	4	12.5	75	400	Mouse ip LDlo minimum
2332	Phorate	298-02-2	0.04	0.04	0.040	0.12	PAC-2, PAC-2, AEGL-2, AEGL-3
2333	Phosacetim	4104-14-7	0.75	2	3.7	3.7	LOC
2334	Phosfolan	947-02-4	1.5	5	9	9	LOC
2335	Phosgene	75-44-5	0.4	0.4	1.21	3.03	PEL-TWA, PEL-TWA, AEGL-2, AEGL-3
2336	Phosgene oxime	1794-86-1	0.0075	0.028	0.083	13	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2337	Phosmet	732-11-6	0.025	0.075	0.54	40	LOC
2338	Phosphamidon; (Famfos)	13171-21-6	0.06	0.15	0.3	60	LOC
2339	Phosphine	7803-51-2	0.4	1.25	2.78	5	PEL-TWA, TLV-STEL, AEGL-2, AEGL-3
2340	Phosphomolybdic acid	11104-88-4	0.833	2.5	4.17	500	TLV-TWA, IDLH
2341	Phosphonic acid	13598-36-2	0.006	0.015	0.125	500	TEEL-1/3, TEEL-2/7, human TClO, rat oral LD50 exceeds 500 mg/m ³ max
2342	Phosphonic acid, dioctadecyl ester	19047-85-9	0.02	0.06	0.4	2	SAR
2343	Phosphonic acid, methyl-, mono(1-methylethyl) ester; (Isopropyl methylphosphonic acid)	1832-54-8	30	75	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5 and rat oral LD50 exceed 500 mg/m ³ max
2344	Phosphonic acid, tridodecyl ester	3076-63-9	12.5	40	250	500	Rat oral LDlo
2345	Phosphonoacetic acid	4408-78-0	0.75	2.5	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat LD50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2346	Phosphoric acid	7664-38-2	1	3	500	500	PEL-TWA, TLV-STEL, human oral TDLo and IDLH exceed the 500 mg/m ³ max
2347	Phosphoric acid, dimethyl-p-(methylthio)phenyl ester	3254-63-5	1.25	4	7	7	LOC
2348	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	1	3	500	500	Used Phosphoric acid (7664-38-2) PAC values
2349	Phosphorous pentafluoride	7647-19-0	3	10	15	300	Used Fluoride exposure limits
2350	Phosphorous trifluoride	7783-55-3	4	10	20	400	
2351	Phosphorus (red)	7723-14-0	0.05	0.4	3	4	MAK-TWA, TEEL-2/7, LOC, human unknown LDLo
2352	Phosphorus (yellow); (White phosphorus)	12185-10-3	0.1	0.2	1.5	5	PEL-TWA, TEEL-2/7, woman oral TDLo, IDLH
2353	Phosphorus oxychloride	10025-87-3	0.6	3	3	5.33	TLV-TWA, LOC, LOC, AEGL-3
2354	Phosphorus pentachloride	10026-13-8	1	3	20	70	PEL-TWA, LOC, IDLH
2355	Phosphorus pentasulfide	1314-80-3	1	3	50	250	PEL-TWA, TLV-STEL, IDLH
2356	Phosphorus pentoxide	1314-56-3	1	1	10	50	PAC-1, ERPG-1, ERPG-2, ERPG-3
2357	Phosphorus trichloride	7719-12-2	1.91	1.91	11.2	31.4	PAC-1, AEGL-1, AEGL-2, AEGL-3
2358	Phosphorus trioxide	1314-24-5	0.4	1.25	7.5	40	Estimated rat 240 min LC50
2359	Phthalic acid	88-99-3	0.02	0.06	0.5	500	
2360	Phthalic acid, benzyl butyl ester; (Benzyl butyl phthalate)	85-68-7	5	100	500	500	UK OEL-TWA, TEEL-2/7, rat TCLo, rat oral LD50
2361	Phthalic anhydride	85-44-9	12	12	12	60	PEL-TWA, TEEL-0, TEEL-0, IDLH
2362	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	0.75	2.5	15	75	Rat 240 min LC50 based on HHR = 3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2363	Phyllomedusin	26145-48-2	10	30	50	250	Used PNOS default
2364	Physostigmine	57-47-6	0.75	2.5	4.5	4.5	LOC
2365	Physostigmine salicylate (1:1)	57-64-7	0.5	1.5	2.5	2.5	LOC
2366	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	10	35	150	150	Mouse ip TDlo and LD50
2367	Picric acid	88-89-1	0.1	0.3	15	75	PEL-TWA, REL-STEL, TEEL-3/5, IDLH
2368	Picrotoxin	124-87-8	3	7.5	15	15	TEEL-2/5, TEEL-2*3/5, LOC, rat intraperitoneal LD50
2369	Pigment green 36	14302-13-7	15	50	350	500	
2370	Pigment yellow 13; (Butanamide, 2,2'-((3,3'-dichloro(1,1'-biphenyl)-4,4'-diyl)bis(azo))bis(N-(2,4-dimethylphenyl)-3-oxo-)	5102-83-0	75	250	500	500	
2371	Pigment yellow 14	5468-75-7	20	60	400	500	Rat LD 50 minimum
2372	Pigment yellow 36; (Zinc chromate)	13530-65-9	0.0174	0.4	2.5	52.3	TLV-TWA, PEL-C, IDLH
2373	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	20	60	400	2,000	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse 120 minute LC50
2374	Pinacolyl alcohol; (tert-Butyl methyl carbinol)	464-07-3	1,000	3,000	3,500	3,500	
2375	Piperazine	110-85-0	2	6	40	500	
2376	Piperidine	110-89-4	3.5	23	115	383	WEEL-TWA, AEGL-1, AEGL-2, AEGL-3
2377	Piperonyl butoxide	51-03-6	100	300	500	500	TEEL-2/21, TEEL-2/5, rat TCLo, rat oral LD50
2378	Pirimifos-ethyl	23505-41-1	5	15	25	60	LOC

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2379	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	10	30	50	250	Used PNOS default
2380	Platinum	7440-06-4	1	3	4	4	TLV-TWA, IDLH
2381	Platinum cyanide	592-06-3	0.00253	0.0076	0.0127	5.07	PEL-TWA, IDLH
2382	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO; Hydrogenated trimer and tetramer of decene)	68649-12-7	2.5	7.5	50	250	PAC-3/105, PAC-3/35, PAC-3/5, rat 60 min LC50
2383	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8	15	50	400	500	PAC-2/21, PAC-2/7, human skin TDlo, rat subcutaneous LD50
2384	Poly(1-vinyl-2-pyrrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8	100	300	500	500	Rat iv TDlo, mouse ip LD50
2385	Poly(acrylamide-co-diallyldimethylammonium chloride)	26590-05-6	10	30	50	250	Used PNOS default
2386	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	75	250	500	500	Rat LD50 based on HHR
2387	Poly(dimethylsiloxane), hydride terminated	70900-21-9	10	30	50	250	Used PNOS default
2388	Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated	68083-19-2	60	200	500	500	Rat oral LD50 minimum
2389	Poly(divinylbenzene); (Diethenylbenzene homopolymer)	9003-69-4	7.5	25	150	500	Rat oral LD50, based on HHR
2390	Poly(ethylene glycol methyl ether)	9004-74-4	75	250	500	500	Rat oral LD50
2391	Poly(ethylene glycol)diacrylate	26570-48-9	1.5	5	35	150	Rat oral LD50 estimated from HHR = 3
2392	Poly(melamine-co-formaldehyde), methylated	68002-20-0	60	150	500	500	Rat oral LD50
2393	Poly(oxy-1,2-ethanediyl), alpha-(4-octylphenyl)-omega-hydroxy-; (Polyethylene glycol mono(p-octylphenol)ether)	26636-32-8	3	7.5	60	300	Mouse intravenous LD50
2394	Poly(oxyethylene)(2) stearyl ether	9005-00-9	7.5	20	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2395	Poly(styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	10	30	50	250	Used PNOS default
2396	Poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-(2-aminomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1); (Polyoxypropylene polyamine)	39423-51-3	10	30	50	250	Used PNOS default
2397	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	10	30	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse 30 min LC50 exceeds 500 mg/m ³ max
2398	Polybutyl acrylate	9003-49-0	10	30	50	250	Used PNOS default
2399	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	12.5	40	300	500	TEEL-2/21, TEEL-2/7, mouse oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2400	Polychlorinated biphenyl (Aroclor 1016/1242); (Chlorodiphenyl (37% Cl))	z-0042	15	50	400	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2401	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	3	7.5	60	500	TEEL-1/3, TEEL-2/7, rat subcutaneous TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2402	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	3	7.5	60	500	TEEL-1/3, TEEL-2/7, rat subcutaneous TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2403	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	1	1	1	500	PEL-TWA, TEEL-0, human TCLo, rat oral LD 50 exceeds 500 mg/m ³ max
2404	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	3	7.5	60	500	TEEL-2/21, TEEL-2/7, rat subcutaneous TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2405	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	0.5	35	250	400	PEL-TWA, TEEL-2/7, rat oral TDLo, rat oral LD50
2406	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	0.4	1.25	7.5	500	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2407	Polychlorinated biphenyl (Aroclor 1260/1262); (Chlorodiphenyl (61% Cl))	z-0043	0.4	1.25	7.5	500	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2408	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	0.6	1.5	12.5	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
2409	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	0.0125	0.04	0.3	500	TEEL-1/3, TEEL-2/7, rat subcutaneous TDLo, rat oral LD50 exceeds 500 mg/m ³ max

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2410	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	0.04	0.125	0.75	500	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50 exceeds 500 mg/m ³ max
2411	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	7.5	25	150	500	Rat ip LD50 > 2 g/kg
2412	Polyether polyol ester	z-0112	15	50	350	500	Rat oral LDlo
2413	Polyethylbenzene residue; (Dowtherm Q)	68987-42-8	7.5	20	150	750	WEEL-TWA, WEEL-TWA*3, ERPG-2 , ERPG-2*5
2414	Polyethylene	9002-88-4	1.25	4	30	500	TEEL-1/3, TEEL-2/7, rat implant TDlo, rat 30 min LC50 exceeds 500 mg/m ³ max
2415	Polyethylene glycol	25322-68-3	10	60	500	500	WEEL-TWA, rat TClo, rat iv LDlo
2416	Polyethylene glycol 20M	37225-26-6	350	500	500	500	
2417	Polyethylene glycol dimethacrylate	25852-47-5	10	30	50	250	Used PNOS default
2418	Polyglycol 15-200; (Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1); Calthane NF and ND "B")	9082-00-2	40	125	500	500	Rat oral LD50 > 10 g/kg
2419	Polyisocyanate prepolymer (based on MDI)	z-0115	0.6	1.5	12.5	60	Rat TClo
2420	Polymaleic acid; (2-Butenedioic acid (2Z)-, homopolymer)	26099-09-2	10	30	50	250	PNOS TLV-TWA default used
2421	Polymerized linseed oil	67746-08-1	7.5	25	150	500	Rat oral LD50 based on HHR = 2
2422	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	0.05	0.15	40	200	MAK-TWA, TEEL-0*3, rat TCLo, rat 240 min LC50
2423	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2	10	30	50	250	Used PNOS default
2424	Polymethylmethacrylate; (Lucite)	9011-14-7	5	15	100	500	Rat implant TDlo
2425	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0	1	3	20	100	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2426	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	3	7.5	60	500	Mouse, pregnant, ip TDlo, rat ip LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2427	Polyoxyethylene monoocetylphenyl ether	9036-19-5	15	50	350	500	
2428	Polyoxyethylene sorbitan monopalmitate; (Tween 40)	9005-66-7	12.5	40	250	500	Rat iv LD50
2429	Polyphosphoric acid	8017-16-1	1.5	5	40	200	
2430	Polypropylene	9003-07-0	12.5	40	250	500	
2431	Polypropylene glycol, (chloromethyl) oxirane polymer	9072-62-2	7.5	25	150	500	Rat oral LD50 minimum
2432	Polypropylene glycol, polytetramethylene glycol, 1,3-diisocyanatomethylbenzene polymer	65636-36-4	10	30	50	250	Used PNOS default
2433	Polypropylene glycols	25322-69-4	10	30	200	500	WEEL-TWA, rat oral LD50
2434	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6	10	30	200	500	
2435	Polysorbate 85; (Tween 85)	9005-70-3	75	250	500	500	Rat oral LD50 based on HHR = 1,
2436	Polystyrene resin; (Styrene polymer)	9003-53-6	1.25	3.5	25	500	TEEL-2/21, TEEL-2/7, rat intravenous TDLo, rat 30 min LC50 exceeds 500 mg/m ³ max
2437	Polysulfone resin	25135-51-7	10	30	50	250	Used PNOS default
2438	Polytetrafluoroethylene; (Teflon)	9002-84-0	3.5	10	60	350	Rat implant TDLo
2439	Polyurethane foam; (Urethane polymers)	9009-54-5	1.5	5	40	200	TEEL-1/3, TEEL-2/7, human TC lo, TEEL-2*5
2440	Polyurethane prepolymer of MDI and PEP	68092-58-0	10	30	50	250	Used PNOS default
2441	Polyvinyl alcohol	9002-89-5	40	125	500	500	
2442	Polyvinyl chloride	9002-86-2	1	3	40	200	TLV-TWA, TEEL-0*3, rat intratracheal TDLo, TEEL-2*5
2443	Potassium	7440-09-7	0.075	0.2	1.5	300	PAC-2/21, PAC-2/7, rat oral TDLo, mouse ip LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2444	Potassium acetate	127-08-2	12.5	40	250	500	
2445	Potassium acid fluoride	7789-29-9	5.14	15.4	25.7	500	Fluoride exposure limits
2446	Potassium aluminate	12003-63-3	2	6	10	50	As Al REL-TWA, TEEL-0*3, TEEL-0*5, TEEL-2*5
2447	Potassium aluminite	z-0044	2.5	7.5	12.5	500	SAR
2448	Potassium aluminosilicate	1327-44-2	5	30	50	500	SAR
2449	Potassium antimonate; (Antimony potassium oxide)	29638-69-5	1.05	3.15	5.26	105	Antimony PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2450	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	1.08	3.24	5.4	108	Antimony PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2451	Potassium antimonite	z-0045	0.94	2.82	4.7	94	Antimony PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2452	Potassium argentate	z-0046	0.0168	0.0503	0.0839	16.8	Silver PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2453	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	0.024	0.35	2.5	12	As PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
2454	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	0.0195	0.0585	6	9.74	TLV-TWA, TEEL-0*3, mouse intraperitoneal TDLo, IDLH
2455	Potassium beryllium oxide	z-0047	0.0004	0.006	0.04	32	Be TLV-TWA, TEEL-2/7, PEL-C, IDLH
2456	Potassium bicarbonate	298-14-6	12.5	35	60	500	SAR
2457	Potassium bi-iodate	13455-24-8	4	12.5	75	400	TEEL-1/3, TEEI-2/7, TEEL-3/5, mouse oral LDlo
2458	Potassium bismuthate	12589-75-2	1.25	4	25	200	SAR
2459	Potassium bisulfate	7646-93-7	10	30	200	500	
2460	Potassium bromate	7758-01-2	0.1	0.3	60	60	WEEL-TWA, human oral TDlo, rat oral LD50

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

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2461	Potassium bromide	7758-02-3	12.5	40	250	500	
2462	Potassium cadminate	z-0048	0.0115	0.069	0.115	20.7	As Cd, PEL-TWA, TKV-TWA*3, TLV-TWA*5, IDLH
2463	Potassium carbonate	584-08-7	1.5	5	35	500	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50 exceeds 500 mg/m ³ max
2464	Potassium chlorate	3811-04-9	12.5	40	300	350	
2465	Potassium chloride	7447-40-7	1.5	5	15	15	
2466	Potassium chromate(VI)	7789-00-6	0.0187	2	12.5	56	Cr VI exposure limits-PEL-TWA, TEEL-2/7, rat subcutaneous TDLo, IDLH
2467	Potassium citrate	866-84-2	1.25	4	30	150	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat intravenous LD50
2468	Potassium citrate, monohydrate	6100-05-6	10	30	50	250	Used PNOS default
2469	Potassium columbate; (Potassium niobate)	12030-85-2	12.5	35	250	500	
2470	Potassium cyanide	151-50-8	5.3	5.3	19	40	PAC-1, AEGL-1, AEGL-2, AEGL-3
2471	Potassium dichromate	7778-50-9	0.0141	4	30	42.4	PEL-TWA, TEEL-2/7, woman oral TDLo, IDLH
2472	Potassium dideuterium phosphate	13761-79-0	40	100	500	500	Used Potassium phosphate (CASRN 7778-77-0) PAC values
2473	Potassium ferricyanide	13746-66-2	5.9	17.7	30	500	TLV-TWA
2474	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	11.8	35.4	59	59	PEL-TWA, rat TCLo, IDLH
2475	Potassium fluoride	7789-23-3	7.65	7.65	30	500	PEL-TWA, TEEL-2/7, mouse intraperitoneal TDLo, IDLH exceeds 500 mg/m ³ max
2476	Potassium fluoride dihydrate	13455-21-5	12.4	37.2	61.9	500	Fluoride exposure limits
2477	Potassium formate	590-29-4	20	60	500	500	

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

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2478	Potassium glycolate	1932-50-9	35	75	600	3,500	SAR
2479	Potassium gold cyanide	554-07-4	27.7	83	138	138	PEL-TWA, PEL-TWA*3, PEL-TWA*5, IDLH, as CN
2480	Potassium hexacyanoferrate(II) trihydrate; (Potassium ferricyanide trihydrate)	14459-95-1	13.5	40.6	67.6	67.6	PEL-TWA, PEL-TWA*3, PEL-TWA*5, IDLH, as CN
2481	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-, dipotassium)	16871-90-2	0.4	1.25	7.5	60	Rat oral TDlo, rat oral LD50
2482	Potassium hydride	7693-26-7	1.5	5	35	150	Rat oral LD50 based on HHR = 3
2483	Potassium hydrogen lead oxide	z-0049	0.06	0.06	0.06	125	SAR
2484	Potassium hydrogen metasilicate	z-0051	10	30	50	250	Used PNOS default
2485	Potassium hydrogen pyrophosphate	z-0050	4	12.5	20	400	SAR
2486	Potassium hydroxide	1310-58-3	0.1	0.3	2	125	TEEL-1/3, TEEL-2/7, TLV-C, rat oral LD50
2487	Potassium iminodiacetate; (Potassium IDA)	z-0052	35	100	750	4,000	SAR
2488	Potassium iodate	7758-05-6	20	60	60	60	
2489	Potassium iodide	7681-11-0	0.25	0.75	6	300	
2490	Potassium lanthanate	z-0053	0.4	1.25	2.5	2.5	SAR
2491	Potassium metaarsenite; (Potassium arsenite)	10124-50-2	0.0533	2	14	26.7	As PEL-TWA, TEEL-2/7, LOC, IDLH
2492	Potassium metaborate	13709-94-9	12.5	35	250	500	SAR
2493	Potassium molybdate	13446-49-6	1.24	3.72	6.21	500	Molybdenum exposure limits
2494	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	2.88	2.88	3	28.8	Nickel exposure limits

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2495	Potassium nickelate (liquids)	z-0055	3.49	3.49	3.5	34.9	Nickel exposure limits
2496	Potassium nickelate (solids)	z-0056	3.49	3.49	3.5	34.9	Nickel exposure limits
2497	Potassium nitrate	7757-79-1	0.4	1.25	7.5	500	TEEL-2/21, TEEL-2/7, rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2498	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1	5	15	100	500	
2499	Potassium nitrite	7758-09-0	0.04	0.1	0.75	500	
2500	Potassium orthovanadate	14293-78-8	1.5	4	30	159	TEEL-1/3, TEEL-2/7, TEEL-3/5, IDLH
2501	Potassium oxalate	583-52-8	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, woman oral LDLo exceeds 500 mg/m ³ max
2502	Potassium oxalate monohydrate	6487-48-5	7.5	25	150	500	Used Potassium oxalate (583-52-8) PAC values
2503	Potassium oxide	12136-45-7	0.1	0.3	2	125	Used KOH (1310-58-3) PAC values
2504	Potassium perchlorate	7778-74-7	125	400	500	500	TEEL-1/3, TEEL-2/7, pregnant rat TDLo and TEEL-2*5 exceed 500 mg/m ³ max
2505	Potassium periodate	7790-21-8	1	3	20	100	TEEL-1/3, TEEL-2/7, TEEL-3/5, estimated rat 240 min LC50
2506	Potassium permanganate	7722-64-7	0.575	8.63	14.4	500	As Mn, TLV-TWA, REL-STEL, PEL-C, IDLH exceeds 500 mg/m ³ max
2507	Potassium peroxydisulfate; (Peroxydisulfuric acid, monopotassium salt)	10058-23-8	10	30	50	250	Used PNOS default
2508	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	0.1	10	60	350	TLV-TWA
2509	Potassium phosphate dibasic trihydrate	16788-57-1	300	500	500	500	
2510	Potassium phosphate, dibasic	7758-11-4	10	30	50	250	Used PNOS default

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2511	Potassium phosphate, monobasic	7778-77-0	40	100	500	500	TEEL-1/3, TEEL-2/7, TEEL-3/5 and rat oral LDLo exceed 500 mg/m ³ max
2512	Potassium phosphate, tribasic	7778-53-2	40	100	500	500	TEEL-1/3, TEEL-2/7, TEEL-3/5 and rat oral LDLo exceed 500 mg/m ³ max
2513	Potassium phosphide	20770-41-6	2.5	7.5	12.1	21.8	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
2514	Potassium pyrophosphate; (Tetrapotassium diphosphate)	7320-34-5	125	350	500	500	
2515	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	10	30	50	250	Used PNOS default
2516	Potassium pyrosulfite; (Potassium metabisulfite)	16731-55-8	20	60	400	500	TEEL-2/35, TEEL-2/7, rat oral pre/post preg TDLo, TEEL-2*5
2517	Potassium selenate	7790-59-2	0.56	1.68	2.8	2.8	as Se, PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
2518	Potassium selenite	10431-47-7	0.52	1.56	2.6	2.6	Used Se exposure limits
2519	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	10	30	50	250	Used PNOS default
2520	Potassium silver cyanide	506-61-6	0.0184	2.5	18.4	18.4	PEL-TWA, PAC-2/7, PAC-3, IDLH as Ag
2521	Potassium stannate	12142-33-5	2.5	7.5	12.5	125	SAR
2522	Potassium strontium phosphate	53201-92-6	10	30	50	500	SAR
2523	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	2	6	40	500	
2524	Potassium sulfite	10117-38-1	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, estimated human LDLo
2525	Potassium tellurate	15571-91-2	0.211	0.634	1.06	52.9	PEL-TWA, IDLH
2526	Potassium tellurite	7790-58-1	0.199	0.597	3.5	49.7	PEL-TWA, IDLH
2527	Potassium tetrafluoroborate(1-)	14075-53-7	4.14	12.4	20.7	414	as F, PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2528	Potassium tetraphenylborate	3244-41-5	1	3	5	25	MSDS TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-2*5
2529	Potassium thiocyanate	333-20-0	12.5	35	60	60	
2530	Potassium trihydrogen silicate	z-0058	10	30	50	250	Used PNOS default
2531	Potassium tungstate (liquids)	7790-60-5a	1.77	5.32	5.32	5.32	TLV-TWA, TLV-STEL, TEEL-1, TEEL-1
2532	Potassium tungstate (solids)	7790-60-5b	8.87	17.7	17.7	17.7	TLV-TWA, TLV-STEL, TEEL-1, TEEL-1
2533	Potassium uranyl carbonate	z-0059	0.492	1.18	4	19.7	Uranium compound exposure limits
2534	Potassium zirconate; (Potassium zirconium oxide; Dipotassium zirconate)	12030-98-7	11.9	23.8	23.8	59.6	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
2535	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	1.5	5	35	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, estimated rat oral LD50
2536	Praseodymium	7440-10-0	1.5	5	35	150	Rat oral LD50 based on HHR = 3
2537	Praseodymium nitrate	10361-80-5	7.5	20	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
2538	Praseodymium oxide	12036-32-7	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, estimated rat oral LD50 exceeds 500 mg/m ³ max
2539	Praseodymium(III,IV) oxide	12037-29-5	20	60	400	500	Rat oral LD50 minimum
2540	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	3	10	16	25	LOC
2541	Propanamine, 1-; (Propylamine)	107-10-8	40	125	600	600	
2542	Propane	74-98-6	1,500	9,910	30,600	59,500	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
2543	Propane sultone, 1,3-	1120-71-4	0.15	0.5	3.5	250	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat 360 min LCLo
2544	Propanediamine, 1,2-	78-90-0	7.5	25	200	500	

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2545	Propanediamine, 1,3-	109-76-2	0.6	1.5	12.5	125	
2546	Propanedinitrile; (Malononitrile)	109-77-3	7.5	7.5	13.2	27	REL-TWA, REL-TWA, AEGL-2, AEGL-3
2547	Propanediol, 1,3-	504-63-2	20	60	400	500	Mouse oral LD50
2548	Propanediol, 2,2-dimethyl-1,3-	126-30-7	200	600	4,000	20,000	T-3/105, T-3/35, T-3/5, rat 360 min LClo
2549	Propanethiol; (n-Propylmercaptan)	107-03-9	0.075	0.2	1.5	2,500	TEEL-1/3, TEEL-2/7, REL-C, rat 240 min LC50
2550	Propanol, zirconium(4+) salt, 1-	23519-77-9	18	35.9	35.9	89.8	Zr PEL-TWA, TLV-STEL, TEEL-2, IDLH
2551	Propargyl alcohol	107-19-7	2	5.73	36.7	170	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
2552	Propargyl bromide	106-96-7	0.03	0.03	0.03	20	WEEL-TWA, LOC, rat oral LD50
2553	Propiolactone, b-	57-57-8	1.5	1.5	15	40	TLV-TWA, TEEL-2, adjusted LOC, rat 360 min LC50
2554	Propionaldehyde	123-38-6	40	107	617	1,990	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
2555	Propionic acid	79-09-4	30	40	40	1,000	TLV-TWA, REL-STEL
2556	Propionic acid, 3-ethoxy-, ethyl ester; (Ethyl-3-ethoxypropionate)	763-69-9	600	600	750	750	MAK-TWA, TEEL-0, rat TCLo, rat LC50 minimum
2557	Propionic acid, sodium salt	137-40-6	15	50	350	500	Mouse oral LD50, rat TDLo
2558	Propionic anhydride	123-62-6	10	30	200	500	
2559	Propionitrile; (Propiononitrile)	107-12-0	12.5	12.5	15.8	83.3	REL-TWA, REL-TWA, AEGL-2, AEGL-3
2560	Propionyl chloride	79-03-8	0.3	0.75	6	30	
2561	Propoxur	114-26-1	0.5	1.5	2.5	20	TLV-TWA, TEEL-0*3, TEEL-0*5, woman oral LDLo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2562	Propoxypropanol, n-; (Propylene glycol monpropyl ether)	30136-13-1	12.5	35	250	1,250	PAC-3/105, PAC-3/35, PAC-3/5, rat oral LD50
2563	Propyl acetate, n-	109-60-4	750	1,000	1,000	6,000	PEL-TWA, TLV-STEL, human TClo, IDLH
2564	Propyl alcohol, n-; (n-Propanol)	71-23-8	500	600	600	2,000	PEL-TWA, REL-STEL, rat oral TDlo, IDLH
2565	Propyl chloroformate; (Propyl chlorocarbonate)	109-61-5	3.5	10	18.5	55.1	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
2566	Propyl nitrate	627-13-4	100	150	400	2,000	PEL-TWA, TLV-STEL, PAC-3/5, IDLH
2567	Propyl-1-butanamine, N-	20193-21-9	15	50	350	500	SAR
2568	Propylbenzene, n-; (Isocumene)	103-65-1	30	75	600	25,000	TEEL-2/21 TEEL-2/7, rat oral TDLo, rat 120 min LC50
2569	Propylene carbonate, 1,2-	108-32-7	5	15	100	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat LC50 minimum
2570	Propylene glycol dinitrate	6423-43-4	0.35	1.15	6.79	88.3	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
2571	Propylene glycol monomethyl ether acetate, alpha-isomer; (1-Methoxypropyl-2-acetate)	108-65-6	270	270	5,400	27,000	WEEL-TWA, ERPG-1, ERPG-2, ERPG-3
2572	Propylene glycol monomethyl ether acetate, beta-isomer; (2-Methoxypropyl-1-acetate)	70657-70-4	25	270	5,400	27,000	MAK-TWA, ERPG-1, ERPG-2, ERPG-3
2573	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	107-98-2	350	500	500	4,000	TLV-TWA, TLV-STEL, TEEL-1, rat 300 min LC50
2574	Propylene glycol mono-n-butyl ether; (3-Butoxy-1-propanol)	10215-33-5	75	200	1,500	2,500	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50
2575	Propylene glycol; (1,2-Propanediol)	57-55-6	10	10	10	500	WEEL-TWA, TEEL-0, TEEL-0, rat oral LD50 exceeds the 500 mg/m ³ max
2576	Propylene oxide; (Methyl ethylene oxide)	75-56-9	4	173	688	2,070	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
2577	Propylene; (1-Propene)	115-07-1	750	2,500	15,000	35,000	TLV-TWA, TEEL-0*3, mouse TCLo, rat LCLo minimum

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2578	Propyleneimine, 1,2-	75-55-8	0.4	0.75	28	53.7	TLV-TWA, TLV-STEL, AEGL-2, AEGL-3
2579	Propyltrichlorosilane	141-57-1	1.5	4.35	53	239	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2580	Prothoate; (Isopropyl diethylthiophosphorylacetamide)	2275-18-5	0.35	1	1.7	7.5	LOC
2581	Pump oil	64742-65-0	100	300	500	500	
2582	Pyrene	129-00-0	0.075	0.25	1.7	15	TEEL-1/3, TEEL-2/7, mouse oral TDLo, rat 240 min LC50
2583	Pyrethrin 1; (Cyclopropaneacrylic acid, 2,2-dimethyl-3-(2-methylpropenyl)-, ester with 4-hydroxy-3-methyl-2-(2,4-pentadienyl)-2-cyclopenten-1-one)	121-21-1	1	3	20	100	Finland TWA, TEEL-2/7, TEEL-3/5, rat oral LD50
2584	Pyridine	110-86-1	3	10	15	3,000	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
2585	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	12.5	40	250	500	Mouse oral LDlo
2586	Pyridine-d5	7291-22-7	3.5	10	15	3,500	Used pyridine (110-86-1) PAC values
2587	Pyriminil; (Pyriminyl)	53558-25-1	1.25	3.5	6.2	20	LOC
2588	Pyrogalllic acid	87-66-1	0.75	2.5	15	25	Human oral LDlo, rat oral TDlo
2589	Pyromellitic acid	89-05-4	1.25	3.5	25	125	
2590	Pyroxylin; (Cellulose tetranitrate)	9004-70-0	20	60	400	500	rat oral LD50 MINIMUM
2591	Pyrrole; (Imidole)	109-97-7	0.1	0.3	2	10	Mouse sc LD50
2592	Pyrrolidine	123-75-1	5	15	100	500	
2593	Pyrrolidinone, 2-	616-45-5	3.5	10	60	150	

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2594	Pyruvate kinase	9001-59-6	2.5	7.5	50	500	
2595	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	1.5	5	35	150	
2596	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, chlorides; (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides)	70750-47-9	1.5	5	35	150	PAC-3/105, PAC-3/35, PAC-3/5, rat oral LD50
2597	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, nitrates (salts); (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates)	71487-00-8	1.5	5	35	150	PAC-3/105, PAC-3/35, PAC-3/5, rat oral LD50
2598	Quinhydrone	106-34-3	0.3	0.75	6	30	
2599	Quinoline	91-22-5	0.005	3.5	25	150	WEEL-TWA, TEEL-2/7, rat oral TDlo, rat oral LD50
2600	Quinololinol, 8-	148-24-3	2.5	7.5	50	500	
2601	Red Arrow Insect Spray	z-0117	3.5	10	60	200	Calculated for 6-component mixture
2602	Resorcinol	108-46-3	40	75	75	75	TLV-TWA, TLV-STEL, TEEL-1, TEEL-1
2603	Rexyn I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quaternized, hydroxide)	69011-49-0	10	30	50	250	Used PNOS default
2604	Rhenium hexafluoride	10049-17-9	6.58	19.8	32.9	500	Fluoride PEL-TWA and IDLH, as F
2605	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	1	3	5	25	Tungsten TLV-TWA, TLV-STEL, TEEL-0*5, TEEL-2*5
2606	Rhodium	7440-16-6	0.1	3	5	100	PEL-TWA, IDLH
2607	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a	0.00131	0.075	0.5	2.6	PEL-TWA, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2608	Rhodium oxide (solids); (Rhodium(IV) oxide)	12137-27-8b	0.131	3.93	6.56	131	PEL-TWA, IDLH
2609	Rhodium(III) hydroxide (liquids)	21656-02-0a	0.0015	0.075	0.6	2.99	PEL-TWA, IDLH
2610	Rhodium(III) hydroxide (solids)	21656-02-0b	0.15	4.49	7.5	150	PEL-TWA, IDLH
2611	Rhodium(III) oxide (solids)	12036-35-0	0.123	3.7	6.17	123	As Rh PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2612	Riboflavine	83-88-5	7.5	25	150	500	Rat sc LD50
2613	Ribonuclease T1	9026-12-4	10	30	50	250	Used PNOS default
2614	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	0.1	0.3	40	40	Netherlands MAC, TEEL-0*3, TEEL-3, rat LC50
2615	Rotenone	83-79-4	5	15	25	125	PEL-TWA, TEEL-0*3, TEEL-0*5, human oral LD50
2616	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	350	350	1,500	4,000	REL-TWA, TEEL-0, REL-C, IDLH
2617	Rubidium	7440-17-7	5	15	100	500	
2618	Rubidium bromide	7789-39-1	10	30	50	250	Used PNOS default
2619	Rubidium chloride	7791-11-9	0.015	0.05	0.35	500	
2620	Rubidium hydroxide	1310-82-3	2.5	7.5	50	250	
2621	Rubidium nitrate	13126-12-0	20	60	400	500	
2622	Ruthenium	7440-18-8	10	30	50	250	Used PNOS default
2623	Ruthenium trichloride	10049-08-8	1.5	4	30	150	
2624	Ruthenium(IV) oxide	12036-10-1	4	12.5	15	15	

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2625	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	5	15	100	500	
2626	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	7.5	20	39	400	LOC, mouse 330 min LClo
2627	Salicylaldehyde	90-02-8	0.6	1.5	12.5	200	Pregnant rat subcutaneous TDlo, rat oral LD50
2628	Salicylic acid	69-72-7	0.3	0.75	6	400	
2629	Salicylic acid, monoammonium salt	528-94-9	1.5	4	30	500	Human oral TDlo, rat parenteral LDlo
2630	Salicylic acid, phenyl ester	118-55-8	4	12.5	75	500	Rat oral TDlo and LD50
2631	Samarium	7440-19-9	10	30	50	250	Used PNOS default
2632	Samarium nitrate	10361-83-8	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
2633	Samarium(II) iodide solution	32248-43-4	7.5	25	150	500	Estimated rat oral LD50 based on HHR
2634	Samarium(III) chloride hexahydrate	13465-55-9	12.5	40	250	500	Rat oral LD50
2635	Samarium(III) oxide	12060-58-1	20	60	400	500	
2636	Saxitoxin	35523-89-8	0.000035	0.0001	0.0006	0.0035	TEEL-3/105, TEEL-3/35, TEEL-3/5, human uk LDlo
2637	Scandium	7440-20-2	10	30	50	250	Used PNOS default
2638	Scandium oxide	12060-08-1	10	30	50	250	Used PNOS default
2639	Selenious acid	7783-00-8	0.327	0.98	250	250	PEL-TWA, TLV-TWA*3, LOC, TEEL-2
2640	Selenium	7782-49-2	0.2	0.6	1	1	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
2641	Selenium dioxide	7446-08-4	0.281	3.5	6	6	TLV-TWA, TEEL-2/7, TEEL-3, rat LC50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2642	Selenium hexafluoride	7783-79-1	0.418	0.418	0.686	2.05	PAC-1, AEGL-1, AEGL-2, AEGL-3
2643	Selenium monosulfide	7446-34-6	0.281	0.844	12.5	15	PEL-TWA, TEEL-0*3, rat oral TDLo, rat oral LD50
2644	Selenium oxychloride	7791-23-3	0.42	1.26	10	10	PEL-TWA, TEEL-0*3, LOC, TEEL-2
2645	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	0.362	1.09	1.81	60	PEL-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
2646	Semicarbazide hydrochloride	563-41-7	20	60	100	100	LOC
2647	Sephacryl s-200, superfine	65546-95-4	10	30	50	250	Used PNOS default
2648	Sephacryl s-300	82785-74-8	10	30	50	250	Used PNOS default
2649	Sephadex G-25	9041-35-4	10	30	50	250	Used PNOS default
2650	Sepharose cl-4b	61970-08-9	10	30	50	250	Used PNOS default
2651	Silane; (Silicon tetrahydride)	7803-62-5	6	131	171	355	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
2652	Silica amorphous hydrated	7631-86-9	6	18	100	500	REL-TWA, TEEL-0*3, rat TCLo, IDLH exceeds 500 mg/m ³ max
2653	Silica gel	63231-67-4	6	18	30	500	REL-TWA, TEEL-0*3, TEEL-0*5, IDLH exceeds 500 mg/m ³ max
2654	Silica gel dessicant	1343-98-2	6	18	30	500	REL-TWA, TEEL-0*3, TEEL-0*5, IDLH exceeds 500 mg/m ³ max
2655	Silica gel, amorphous synthetic	112926-00-8	6	18	100	500	REL-TWA, TEEL-0*3, rat TCLo, IDLH exceeds 500 mg/m ³ max
2656	Silica, amorphous fume	69012-64-2	0.3	0.9	1.5	500	MAK-TWA, TEEL-0*3, TEEL-0*5, IDLH exceeds 500 mg/m ³ max
2657	Silica, amorphous fumed	112945-52-5	6	18	30	500	REL-TWA, TEEL-0*3, TEEL-0*5, IDLH exceeds 500 mg/m ³ max
2658	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	0.025	0.075	2	50	TLV-TWA, TEEL-0*3, human TCLo, IDLH exceeds 500 mg/m ³ max

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2659	Silicic acid	7699-41-4	0.3	10	75	400	Swiss MAK-TWA
2660	Silicic acid, aluminum calcium sodium salt	1344-01-0	10	30	50	60	Al sol Salts REL-TWA human oral TDlo
2661	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	7.5	25	150	500	Rat oral LD50
2662	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	3.16	7.5	60	316	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
2663	Silicon	7440-21-3	15	45	75	500	PEL-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
2664	Silicon carbide	409-21-2	15	45	250	500	PEL-TWA, TEEL-0*3, rat TCLo, TEEL-2*5 exceeds 500 mg/m ³ max
2665	Silicon nitride	12033-89-5	10	30	50	250	Used PNOS default
2666	Silicon tetrafluoride; (Tetrafluorosilane)	7783-61-1	0.213	0.213	14	42.5	PAC-1, AEGL-1, AEGL-2, AEGL-3
2667	Silicon(II) oxide; (Silicon oxide)	10097-28-6	10	30	50	250	Used PNOS default
2668	Siloprene k 1000	63394-02-5	35	100	500	500	Rat implant TDLo, rat oral LD50 maximum
2669	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	6	15	125	500	TEEL-1/3, TEEL-2/7, rat 360 min TCLo, TEEL-2*5 exceeds 500 mg/m ³ max
2670	Siloxanes and silicones, methyl phenyl; (Silicon Y-6607; Silicone fluid, high temp)	67762-92-9	10	30	200	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat 240 min LC50
2671	Silver	7440-22-4	0.01	0.3	0.5	10	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2672	Silver carbonate; (Silver(I) carbonate)	534-16-7	0.0128	0.0383	0.0639	12.8	as Ag MAK-TWA, TEEL-0*3, TEEL-0*5, IDLH
2673	Silver chloride	7783-90-6	0.0133	0.0399	0.0664	13.3	as Ag MAK-TWA, TEEL-0*3, TEEL-0*5, IDLH
2674	Silver cyanide	506-64-9	0.0124	0.35	2.5	12.4	as Ag, MAK-TWA, TEEL-2/7, TEEL-3/5, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2675	Silver hydroxide	12673-77-7	0.0116	0.0347	0.06	11.6	as Ag PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2676	Silver nitrate	7761-88-8	0.0157	15.7	15.7	15.7	PEL-TWA, TEEL-3, TEEL-3, IDLH
2677	Silver nitrite; (Silver(I) nitrite)	7783-99-5	0.0143	0.0428	0.075	14.3	as Ag PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2678	Silver oxide	20667-12-3	0.1	0.3	2	10	TLV-TWA, TEEL-2/7, TEEL-3/5, IDLH
2679	Soda lime	8006-28-8	2	6	10	25	Estimated limits of mixture of CaO & NaOH
2680	Sodium	7440-23-5	0.75	2	15	500	TEEL-2/21, TEEL-2/7, rat oral TDLo, mouse intraperitoneal LD50 exceeds 500 mg/m ³ max
2681	Sodium acetate	127-09-3	15	40	300	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
2682	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	15	40	300	500	
2683	Sodium aluminate anhydrous; (Aluminum sodium dioxide anhydrous)	11138-49-1	6.08	18.2	30.4	150	Al soluble salts exposure limits
2684	Sodium aluminate; (Aluminum sodium dioxide)	1302-42-7	6.08	18.2	30.4	150	Al soluble salts exposure limits
2685	Sodium aluminosilicate	1344-00-9	3.5	10	150	500	SAR
2686	Sodium aluminum hydride	13770-96-2	3	7.5	60	300	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse oral LD50
2687	Sodium aluminum silicate	73987-94-7	3.5	10	15	500	SAR
2688	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	1.01	3.04	5.07	101	Sb PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2689	Sodium antimonite	z-0061	0.874	2.62	4.37	87.4	Sb PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2690	Sodium argentate	z-0062	0.0153	0.0459	0.0764	15.3	Ag PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2691	Sodium arsenate	7631-89-2	0.0271	4	13.5	13.5	As PEL-TWA, TEEL-2/7, TEEL-3, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2692	Sodium arsenite	7784-46-5	0.0173	1.25	8.67	8.67	As PEL-TWA, TEEL-2/7, TEEL-3, IDLH
2693	Sodium azide	26628-22-8	0.2	3	20	25	MAK-TWA, TEEL-2/7, LOC, human oral LDLo
2694	Sodium beryllium oxide	z-0063	0.000311	0.004	0.0311	24.9	as Be TLV-TWA, TEEL-2/7, PEL-C, IDLH
2695	Sodium bicarbonate	144-55-8	15	40	300	500	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50 exceeds 500 mg/m ³ max
2696	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	4.08	10	75	408	PEL-TWA, IDLH
2697	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	15	45	75	350	AI REL-TWA
2698	Sodium bismuthate	12232-99-4	1.5	5	35	150	
2699	Sodium bisulfate monohydrate	10034-88-5	0.75	2.5	15	75	
2700	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	1.25	3.5	25	125	
2701	Sodium bisulfite	7631-90-5	5	25	150	500	TLV-TWA, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2702	Sodium borate decahydrate	1303-96-4	2	6	200	500	TLV-TWA, TLV-STEL, rat oral TDLo, human oral LDLo exceeds 500 mg/m ³ max
2703	Sodium borate; (Disodium tetraborate; Borates, tetrasodium salts)	1330-43-4	2	6	6	500	TLV-TWA, TLV-STEL, TEEL-1, rat oral LD50
2704	Sodium borohydride	16940-66-2	0.015	0.05	0.35	4	TEEL-1/3, TEEL-2/7, rabbit skin TDLo, rat LC50
2705	Sodium bromate	7789-38-0	0.6	1.5	12.5	60	
2706	Sodium bromide	7647-15-6	1.5	5	35	500	
2707	Sodium butyl (2-ethylhexyl)phosphate	z-0064	0.02	0.06	0.4	2	SAR
2708	Sodium butyl butylphosphonate	z-0065	0.02	0.06	0.4	2	SAR

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2709	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	1.07	1.07	4	500	PEL-TWA, TEEL-0, LOC, oral rat LD50 exceeds 500 mg/m ³ max
2710	Sodium cadminate	z-0066	0.0101	0.0604	0.101	18.1	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2711	Sodium carbonate	497-19-8	3.5	10	60	500	TEEL-1/3, TEEL-2/7, mammal 240 min TCLO, human LDLo exceeds 500 mg/m ³ max
2712	Sodium carbonate monohydrate	5968-11-6	1.5	5	35	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat LC50
2713	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4	0.4	1.25	7.5	500	
2714	Sodium chloride	7647-14-5	15	40	300	500	TEEL-2/21, TEEL-2/7, human oral TDLo, human oral LDLo exceeds 500 mg/m ³ max
2715	Sodium chlorite	7758-19-2	0.75	2.5	15	75	
2716	Sodium chromate decahydrate	13517-17-4	0.0329	2.5	20	98.7	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
2717	Sodium chromate tetrahydrate	10034-82-9	0.0291	2.5	15	87.4	Cr(VI) exposure limits
2718	Sodium chromate(VI); (Disodium chromate)	7775-11-3	0.0156	1.25	7.5	46.7	PEL-TWA, TEEL-2/7, rat intraperitoneal TDLo, IDLH
2719	Sodium citrate; (Monosodium citrate)	18996-35-5	5	15	100	500	rat oral LD50
2720	Sodium cobaltinitrite	13600-98-1	0.125	0.4	3	15	
2721	Sodium cyanide	143-33-9	4	4	14	30	PAC-1, AEGL-1, AEGL-2, AEGL-3
2722	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	10	30	50	250	Used PNOS default
2723	Sodium deuterioxide	14014-06-3	0.5	0.5	5	50	Used NaOH PAC values
2724	Sodium dichromate dihydrate	7789-12-0	0.0143	3.5	25	43	PEL-TWA, TEEL-2/7, rat oral TDLo, IDLH
2725	Sodium dichromate; (Disodium dichromate)	10588-01-9	0.0126	20	37.8	37.8	Cr VI exposure limits

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2726	Sodium diethyldithiocarbamate trihydrate	20624-25-3	2	6	10	500	MAK-TWA, rat oral LD50
2727	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5	2	6	250	500	
2728	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	100	300	500	500	
2729	Sodium dithionate dihydrate	7631-94-9	10	30	50	250	Used PNOS default
2730	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	4	12.5	75	200	
2731	Sodium ethoxide	141-52-6	1.5	5	35	150	Rat pral LD50 based on HHR = 3
2732	Sodium ferrocyanide	13601-19-9	58.4	175	292	292	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2733	Sodium fluoride	7681-49-4	5.53	5.53	5.53	500	PEL-TWA, TEEL-0, TEEL-0, adjusted IDLH exceeds 500 mg/m ³ max
2734	Sodium formate	141-53-7	40	125	500	500	TEEL-1/3, TEEL-2/7, TEEL-3/5 and mouse oral LD50 exceed 500 mg/m ³ max
2735	Sodium gluconate	527-07-1	0.6	2	15	75	
2736	Sodium glycinate	6000-44-8	4	12.5	100	500	
2737	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	40	125	750	3,000	
2738	Sodium hexahydroxoantimonate; (Sodium antimonate)	33908-66-6	0.792	2.37	4	79.2	Sb PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2739	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	10	30	50	250	Used PNOS default
2740	Sodium hydride	7646-69-7	0.4	1.25	7.5	40	rat LC50 based on HHR = 3
2741	Sodium hydrogen lead oxide	z-0067	0.06	0.06	0.06	125	SAR
2742	Sodium hydrogen metasilicate	z-0068	4	12.5	75	400	SAR

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2743	Sodium hydrogen pyrophosphate	z-0069	4	12.5	20	400	SAR
2744	Sodium hydrosulfite	7775-14-6	10	30	50	250	Used PNOS default
2745	Sodium hydroxide	1310-73-2	0.5	0.5	5	50	PAC-1, ERPG-1, ERPG-2, ERPG-3
2746	Sodium hypobromite	13824-96-9	10	30	50	250	Used PNOS default
2747	Sodium hypochlorite	7681-52-9	0.6	2	50	500	WEEL-STEL, human iv TDlo, mouse oral LD50
2748	Sodium hypochlorite pentahydrate	10022-70-5	0.075	0.2	1.5	500	
2749	Sodium hypophosphite	7681-53-0	6	20	125	500	Mouse ip LD50
2750	Sodium hypophosphite hydrate	123333-67-5	6	20	125	500	Mouse intraperitoneal LD50
2751	Sodium iodate	7681-55-2	2	6	40	200	Mouse oral LD50
2752	Sodium iodide	7681-82-5	0.75	2.5	15	500	
2753	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	0.25	0.75	6	100	
2754	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	15	40	300	500	Rat ip TDlo and LD50
2755	Sodium lanthanate	z-0070	0.4	1.25	2.5	2.5	SAR
2756	Sodium lauryl sulfate	151-21-3	5	15	100	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2757	Sodium metabisulfite	7681-57-4	5	15	25	500	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
2758	Sodium metaborate	7775-19-1	2	6	200	500	TLV-TWA, TLV-STEL, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
2759	Sodium metaphosphate	10361-03-2	3.5	10	75	350	TEEL-1/3, TEEL-2/7, TEEL-3/5, mouse intraperitoneal LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2760	Sodium metasilicate nonahydrate	13517-24-3	61.1	61.1	100	500	REL-TWA, TEEL-0, TEEL-3/5, rat oral LD50
2761	Sodium metasilicate pentahydrate	10213-79-3	45.3	45.3	75	350	REL-TWA, TEEL-0, TEEL-3/5, rat oral LD50
2762	Sodium metavanadate; (Sodium vanadate)	13718-26-8	0.75	2.5	15	83.8	TEEL-1/3, TEEL-2/7, rat oral TDLo, IDLH
2763	Sodium methylate	124-41-4	7.5	25	150	500	
2764	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	1.26	3.78	30	200	TLV-TWA, TEEL-0*3, rat oral TDLo, rat intraperitoneal LD50
2765	Sodium monoxide; (Sodium oxide)	12401-86-4	0.5	0.5	5	50	Used NaOH PACs
2766	Sodium nickel oxide (Liquid)	37367-09-2	0.233	0.699	1.16	23.3	Ni TLV-TWA, IDLH
2767	Sodium nickelate (Liquids)	z-0073	0.294	0.883	1.5	29.4	Ni TLV-TWA, IDLH
2768	Sodium nickelate (Solids)	z-0074	0.589	1.77	3	29.4	Ni TLV-TWA, IDLH
2769	Sodium nitrate	7631-99-4	0.4	1	7.5	100	TEEL-2/21, TEEL-2/7, woman oral TDLo, human oral LDLo
2770	Sodium nitrite	7632-00-0	0.05	0.15	1	60	
2771	Sodium nitroferricyanide	14402-89-2	0.6	2	12.5	20	Woman intravenous TDLo, human inh 3 hour LDLo
2772	Sodium o-benzyl-p-chlorophenate	3184-65-4	10	30	50	250	Used PNOS default
2773	Sodium orthovanadate	13721-39-6	1.25	3.5	25	126	TEEL-1/3, TEEL-2/7, TEEL-3/5, IDLH
2774	Sodium oxalate	62-76-0	0.25	0.75	6	30	TEEL-1/3, TEEL-2/7, TEEL-3/5, human intravenous LDLo
2775	Sodium oxide; (Disodium oxide; Sodium monoxide)	1313-59-3	0.5	0.5	5	50	Based on sodium hydroxide PAC values
2776	Sodium pentachlorophenate	131-52-2	1	3.5	24	75	TEEL-1/3, TEEL-2/7, adjusted LOC, mouse 120 min LC50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2777	Sodium perchlorate	7601-89-0	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
2778	Sodium perchlorate monohydrate	7791-07-3	5	15	100	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2779	Sodium permanganate	10101-50-5	0.517	7.75	12.9	500	as Mn, TLV-TWA, REL-STEL, PEL-C, IDLH exceeds 500 mg/m ³ max
2780	Sodium peroxide	1313-60-6	0.5	0.5	5	50	Used NaOH PACs
2781	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	7.5	25	150	500	
2782	Sodium persulfate	7775-27-1	0.1	2.5	20	100	TLV-TWA
2783	Sodium phosphate	7632-05-5	6	15	125	500	TEEL-1/3 TEEL-2/7, rat intraperitoneal TDlo, TEEL-2*5 exceeds 500 mg/m ³ max
2784	Sodium phosphate, dibasic	7558-79-4	60	200	500	500	
2785	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	1.5	5	35	150	
2786	Sodium phosphate, dibasic, heptahydrate	7782-85-6	50	150	500	500	
2787	Sodium phosphate, monobasic	7558-80-7	35	100	500	500	
2788	Sodium phosphate, tribasic, dodecahydrate	10101-89-0	30	75	500	500	
2789	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8	25	75	500	500	
2790	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	15	40	300	500	
2791	Sodium phosphate, tribasic; (Trisodium phosphate)	7601-54-9	1.5	5	500	500	PAC-1/3, WEEL-STEL, TEEL-3/5, rabbit intravenous LDLo exceeds 500 mg/m ³ max
2792	Sodium phosphide	12058-85-4	1.5	5	8.17	14.7	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
2793	Sodium polyphosphate	68915-31-1	12.5	40	250	500	Rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2794	Sodium polytungstate	12141-67-2	6.77	13.5	35	150	TLV-TWA, TLV-STEL, TEEL-0*5, TEEL-2*5
2795	Sodium potassium tartrate tetrahydrate	6381-59-5	20	60	400	500	
2796	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	20	60	400	500	Mouse iv TDLo
2797	Sodium p-tert-amylphenate; (4-(1,1-Dimethylpropyl)phenol, sodium salt)	31366-95-7	10	30	50	250	Used PNOS default
2798	Sodium pyrophosphate decahydrate	13472-36-1	10	30	200	500	Estimated mouse LD50
2799	Sodium pyrophosphate, di-	7758-16-9	10	30	200	500	
2800	Sodium pyruvate; (Pyruvic acid, sodium salt)	113-24-6	10	30	50	250	Used PNOS default
2801	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	40	100	500	500	TEEL-1/3, TEEL-2/7, woman TDLo, human LDLo
2802	Sodium selenate; (Disodium selenate)	13410-01-0	0.479	1.44	2.4	2.4	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
2803	Sodium selenite	10102-18-8	0.438	1.31	2.19	2.19	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
2804	Sodium silicate; (Sodium metasilicate)	6834-92-0	6	200	500	500	REL-TWA, TEEL-2/7, human oral TDLo, rat oral LD50
2805	Sodium stannate	12058-66-1	3.58	5	35	179	TLV-TWA, TEEL-2/7, TEEL-3/5, IDLH
2806	Sodium stearate	822-16-2	0.15	0.5	3.5	15	
2807	Sodium strontium phosphate	19553-80-1	10	30	50	500	SAR
2808	Sodium succinate	150-90-3	35	100	750	4,000	
2809	Sodium succinate, hexahydrate	6106-21-4	35	100	500	500	Used sodium succinate mouse iv LD50
2810	Sodium sulfamate	13845-18-6	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, estimated rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2811	Sodium sulfate, anhydrous	7757-82-6	75	200	500	500	TEEL-2/21, TEEL-2/7, mouse oral TDLo and mouse oral LD50 exceed 500 mg/m ³ max
2812	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	0.06	0.15	1.25	6	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat intraperitoneal LD ₅₀
2813	Sodium sulfide	1313-82-2	0.75	2.5	15	75	
2814	Sodium sulfide nonahydrate	1313-84-4	0.2	0.6	4	20	Mouse intraperitoneal LD50
2815	Sodium sulfite	7757-83-7	1	3	20	100	
2816	Sodium tartrate dihydrate	6106-24-7	5	15	100	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2817	Sodium tellurate	10101-83-4	0.186	0.559	0.931	46.5	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2818	Sodium tellurite	10102-20-2	0.174	0.521	20	43.4	PEL-TWA, TEEL-0*3, LOC, IDLH
2819	Sodium tetrafluoroborate(1-)	13755-29-8	3.61	10.8	18.1	361	Used fluoride exposure limits
2820	Sodium Tetrahydroxoaluminate	z-0123	8.75	26.2	43.7	200	AI REL-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
2821	Sodium tetraphenyl borate	143-66-8	1.25	3.5	25	125	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2822	Sodium thiosulfate	7772-98-7	35	100	500	500	TEEL-1/3, TEEL-2/7, rat unreported TDLo and mouse intraperitoneal LD50 exceed 500 mg/m ³ max
2823	Sodium thiosulfate pentahydrate	10102-17-7	1.25	3.5	25	500	TEEL-2/21, TEEL-2/7, human oral TDLo, mouse intraperitoneal LD ₅₀ exceeds 500 mg/m ³ max
2824	Sodium titanate	12034-34-3	10	30	50	250	Used PNOS default
2825	Sodium tolyltriazole; (1H-Benzotriazole, 4(or 5)-methyl-, sodium salt)	64665-57-2	2.5	7.5	50	250	Rat LD50 minimum
2826	Sodium tridecylbenzene sulfonate	26248-24-8	2	6	40	200	Human minimum LD = 500 mg/kg

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2827	Sodium triethylborohydride	17979-81-6	2	6	35	150	Borate TLV-TWA, TLV-STEL TEEL-3/5, rat oral LD50 based on HHR
2828	Sodium trihydrogen silicate	z-0076	10	30	50	250	Used PNOS default
2829	Sodium tripolyphosphate	7758-29-4	1.25	3.5	25	500	
2830	Sodium tungstate	13472-45-2	1	3	3	500	TLV-TWA, TLV-STEL,
2831	Sodium tungstate dihydrate	10213-10-2	1.79	5.38	15	75	TLV-TWA, TLV-STEL, TEEL-3/5, rat intraperitoneal LD50
2832	Sodium uranate; (Disodium uranate hexahydrate)	66018-57-3	0.39	0.935	3	15.6	U PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
2833	Sodium uranium oxide monohydrate; (Sodium uranate(VI) monohydrate)	10135-92-9	0.342	0.822	2.5	13.7	U PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
2834	Sodium uranyl carbonate	z-0078	0.45	1.08	3.5	18	U PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
2835	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	10.9	21.8	21.8	54.6	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
2836	Sodium-Potassium	11135-81-2	0.5	0.5	5	50	Used NaOH (1310-73-2) PAC values
2837	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7	25	75	500	500	TEEL-1/3, TEEL/7, rat TCLo, and TEEL-2*5 exceeds 500 mg/m ³ max
2838	Solvent Yellow 3	97-56-3	2	6	40	500	
2839	Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate; GD)	96-64-0	2.00E-04	0.00134	0.0164	0.127	MSDS-TWA, AEGL-1, AEGL-2, AEGL-3
2840	Sorbitan monolaurate; (D-Glucitol, 1,4-anhydro-, 6-dodecanoate)	5959-89-7	10	30	50	250	Used PNOS default
2841	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8	0.75	2	15	500	Rat 7 week TDlo, rat iv LD50
2842	Sorbitan trioleate	26266-58-0	15	50	350	500	Rat iv TDlo
2843	Sorbitan, monolaurate	1338-39-2	350	500	500	500	Rat oral 14 day TDlo, rat oral LD50

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

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2844	Sorbitan, monooleate	1338-43-8	250	500	500	500	Rat oral TDlo
2845	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6	0.75	2.5	15	500	Rat oral TDlo, mouse oral LD50
2846	Sorbitan, monostearate	1338-41-6	400	500	500	500	Rat oral repro TDlo, rat LD50
2847	Sorbitol, D-; (D-Glucitol)	50-70-4	40	125	500	500	
2848	Soybean oil; (Glycine soja)	8001-22-7	40	100	500	500	TEEL-2/21, TEEL-2/7, rat intramuscular TDlo, rat intravenous LD50
2849	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5	0.4	1.25	7.5	250	Human iv TDlo, mouse iv LD50
2850	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	20	60	400	500	Mouse oral LD50
2851	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	4.39	4.39	5	219	Sn PEL-TWA, TEEL-0, rat oral TDLo, IDLH
2852	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	3.19	9.58	50	160	Sn PEL-TWA, TLV-TWA*3, rat TCLo, IDLH
2853	Stannous octoate	301-10-0	0.341	0.683	15	85.3	Organic Sn PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
2854	Starch dust	9005-25-8	15	30	500	500	PEL-TWA, rat oral TDLo, mouse intraperitoneal LD50
2855	Stibine; (Antimony hydride)	7803-52-3	0.5	1	7.65	49	PEL-TWA, PAC-2/7, AEGL-2, AEGL-3
2856	Stilbene	588-59-0	5	15	100	500	Mouse ip LD50
2857	Stilbene 3; (Stilbene 420; Tinopal CBS; Disodium 4,4'-bis(2-sulfostyryl)biphenyl)	27344-41-8	0.25	0.75	6	500	
2858	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	600	600	2,000	20,000	TLV-TWA, TEEL-0, REL-C, IDLH
2859	Strontium	7440-24-6	40	125	500	500	TEEL-1/3, TEEL-2/7, rat oral TDLo exceeds 500 mg/m ³ max, TEEL-2
2860	Strontium carbonate	1633-05-2	10	30	200	500	TEEL-1/3, TEEL-2/7, rat intratracheal TDLo, TEEL-2*5 exceeds 500 mg/m ³ max

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2861	Strontium chloride	10476-85-4	7.5	20	150	500	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD ₅₀ exceeds 500 mg/m ³ max
2862	Strontium hydroxide	18480-07-4	0.75	0.75	20	75	SAR
2863	Strontium nitrate	10042-76-9	3.5	10	60	500	TEEL-1/3, TEEL-2/7, rat TCLo, rat oral LD50 exceeds 500 mg/m ³ max
2864	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	0.04	0.1	0.75	75	SAR
2865	Strontium oxalate	814-95-9	7.5	25	60	75	SAR
2866	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	10	30	500	500	SAR
2867	Strontium phosphide	12504-13-1	1	3	4.85	8.72	PAC-2/5, PAC-2*3/5, AEGL-2, AEGL-3
2868	Strontium sulfate	7759-02-6	10	30	50	250	Used PNOS default
2869	Strychnine	57-24-9	0.15	0.3	3	3	PEL-TWA, LOC, adjusted LOC, IDLH
2870	Strychnine sulfate (2:1)	60-41-3	1	3	5	30	LOC
2871	Styrene	100-42-5	85.1	85.1	553	4,680	PAC-1, AEGL-1, AEGL-2, AEGL-3
2872	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	20	60	250	250	
2873	Styrene-allyl alcohol copolymer	25119-62-4	10	30	50	250	Used PNOS default
2874	Styrene-divinylbenzene resin, chloromethylated, aminated with trimethylamine; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1	10	30	50	250	Used PNOS default
2875	Styrenesulfonate), poly(sodium 4-	25704-18-1	150	500	500	500	Pregnant rat oral TDLo, rat oral LD50 minimum
2876	Succinic acid	110-15-6	7.5	25	200	500	

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2877	Succinic anhydride	108-30-5	0.75	2	15	500	
2878	Succinimidyl-6-(beta-maleimidopropionamido)hexanoate; (SMPH)	z-0120	10	30	50	250	Used PNOS default
2879	Sucrose	57-50-1	15	30	50	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, rat oral LD50
2880	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6	12.5	40	300	500	TEEL-1/3, TEEL-2/7, dog oral TDLo, rat oral LDLo exceeds 500 mg/m ³ max
2881	Sulfamic acid	5329-14-6	12.5	40	250	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
2882	Sulfanilamide	63-74-1	1	3	20	500	
2883	Sulfanilic acid	121-57-3	50	150	500	500	Rat oral LD50
2884	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	10	30	50	250	Used PNOS default
2885	Sulfonylbis-ethanol, 2,2'-	2580-77-0	1.5	5	35	150	Estimated HHR = 3 and rat oral LD50
2886	Sulfosalicylic acid	97-05-2	10	30	200	500	
2887	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	7.5	20	150	500	Rat oral LD50
2888	Sulfotep; (TEDP)	3689-24-5	0.2	0.5	3.5	10	PEL-TWA, LOC, IDLH
2889	Sulfur	7704-34-9	1.25	4	30	150	TEEL-1/3, TEEL-2/7, TEEL-3/5, human oral LDLo
2890	Sulfur dioxide	7446-09-5	0.524	0.524	1.96	78.5	PAC-1, AEGL-1, AEGL-2, AEGL-3
2891	Sulfur hexafluoride	2551-62-4	6,000	15,000	30,000	30,000	PEL-TWA, mam LClo
2892	Sulfur monochloride	10025-67-9	2.92	2.92	35.3	82.8	PAC-1, AEGL-1, AEGL-2, AEGL-3
2893	Sulfur pentafluoride	5714-22-7	0.1	0.1	0.1	10	PAC-2, PAC-2, TLV-C, IDLH

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2894	Sulfur tetrafluoride	7783-60-0	0.4	1.25	9.19	9.19	LOC,
2895	Sulfur trioxide	7446-11-9	0.06	0.20	8.7	160	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2896	Sulfuric acid	7664-93-9	0.2	0.20	8.7	160	PAC-1, AEGL-1, AEGL-2, AEGL-3
2897	Sulfuric acid-d ₂ ; (Deuteriosulfuric acid)	13813-19-9	0.2	0.2	8.7	160	Used H ₂ SO ₄ (7664-93-9) PAC values
2898	Sulfurous acid	7782-99-2	0.0125	0.04	0.3	1.5	
2899	Sulfuryl chloride	7791-25-5	0.5	1.65	20.4	60.7	PAC-1/3, ERPG-1, AEGL-2, AEGL-3
2900	Sulfuryl fluoride	2699-79-8	20	40	87.6	267	PEL-TWA, TLV-STEL, AEGL-2, AEGL-3
2901	Talc	14807-96-6	2	6	75	500	TLV-TWA, TLV*3, rat TClo, IDLH
2902	Tall oil (alkyd resin)	68333-62-0	10	30	50	250	Used PNOS default
2903	Tantalum	7440-25-7	5	10	200	500	PEL-TWA, REL-STEL, rat intratracheal TDLo, IDLH
2904	Tantalum carbide	12070-06-3	5.33	10.7	500	500	PEL-TWA, REL-STEL, IDLH
2905	Tantalum(V) ethoxide	6074-84-6	10	30	50	250	Used PNOS default
2906	Tantalum(V) fluoride	7783-71-3	7.26	21.8	36.3	500	Fluoride exposure limits
2907	Tantalum(V) oxide	1314-61-0	6.11	12.2	60	500	PEL-TWA, REL-STEL, rat TClo, IDLH
2908	Tartaric acid	87-69-4	4	12.5	75	400	
2909	Tartaric acid, monopotassium salt	868-14-4	150	500	500	500	Rat oral LD50
2910	Tartaric acid, monosodium salt	526-94-3	15	50	400	500	Mouse oral LD50

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2911	Techneium(IV) oxide	12036-16-7	10	30	50	250	Used PNOS default, but use radiation dose
2912	Tellurium	13494-80-9	0.1	0.3	20	25	PEL-TWA, TLV*3, LOC, IDLH
2913	Tellurium chloride	10026-07-0	0.211	0.633	15	52.8	PEL-TWA, IDLH
2914	Tellurium hexafluoride	7783-80-4	0.178	0.178	0.178	0.523	PAC-2, PAC-2, AEGL-2, AEGL-3
2915	Tellurium oxide; (Tellurium dioxide)	7446-07-3	0.125	0.375	31.3	31.3	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
2916	Tellurous acid	10049-23-7	0.139	0.418	0.696	34.8	PEL-TWA, IDLH
2917	Terbium	7440-27-9	1.5	5	35	150	Rat oral LD50 based on HHR = 3
2918	Terbium oxide	12036-41-8	10	30	50	250	Used PNOS default
2919	Terbium(III,IV) oxide	12037-01-3	10	30	50	250	Used PNOS default
2920	Terbufos	13071-79-9	0.01	0.03	1	1	TLV-TWA, TEEL-0*3, LOC, rat oral LD50
2921	Terephthalic acid	100-21-0	10	125	500	500	TLV-TWA
2922	Terephthaloyl chloride	100-20-9	0.75	2.5	20	500	
2923	Terphenyl, p-	92-94-4	0.4	1.25	9	500	PEL-C, IDLH
2924	Terphenyls; (Diphenylbenzene)	26140-60-3	0.4	1.25	9	500	PEL-C, IDLH
2925	Tert-butyl alcohol; (tert-Butanol)	75-65-0	300	400	5,000	5,000	PEL-TWA, REL-STEL, rat 420 min TLo, IDLH
2926	Tert-butyl benzoic acid, p-	98-73-7	2	6	50	200	PEL-TWA, LOC, rat oral LD50
2927	Tert-butyllithium	594-19-4	1.5	5	35	150	Rat LD50 estimated from HHR = 3

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2928	Tert-butylphenol, p-; (Tert-butylphenol, 4-)	98-54-4	0.5	0.5	0.75	500	MAK-TWA, mouse TClo, rat LClo
2929	Tert-butylpyridine, 4-	3978-81-2	10	30	50	250	Used PNOS default
2930	Tetraamminepalladium(II) nitrate	13601-08-6	1.5	5	35	150	
2931	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	1.25	75	100	100	TLV-TWA, mouse TClo, IDLH
2932	Tetrabutyl ammonium phosphate	5574-97-0	10	30	50	250	Used PNOS default
2933	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	12.5	40	250	1,250	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
2934	Tetrabutylammonium fluoride; (N,N,N-Tributyl-1-butanaminium, fluoride)	429-41-4	34.4	103	172	500	Used fluoride exposure limits adjusted, TEEL-3 exceeds 500 mg/m ³ max
2935	Tetrabutylammonium hydroxide	2052-49-5	0.06	0.15	1.25	6	
2936	Tetrabutylammonium nitrate	1941-27-1	0.075	0.25	1.5	7.5	
2937	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	400	1,250	15,000	15,000	TLV-TWA, TEEL-0, IDLH, IDLH
2938	Tetrachlorobenzene, 1,2,3,4-	634-66-2	12.5	35	250	500	
2939	Tetrachlorobenzene, 1,2,4,5-	95-94-3	0.02	0.06	0.4	500	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDlo, rat oral LD50
2940	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	0.0002	0.0006	0.004	0.4	TEEL-1/3, TEEL-2/7, rat intraperitoneal TDLo, rat oral LD50
2941	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	0.004	0.0125	0.075	0.4	TEEL-1/3, TEEL-2/7, TEEL-3/5 rat oral LD50
2942	Tetrachloroethane (mixed isomers)	25322-20-7	10	35	200	750	TEEL-1/3, TEEL-2/7, mouse parenteral TDLo, rat 240 min LClo
2943	Tetrachloroethane, 1,1,1,2-	630-20-6	20	60	200	200	TEEL-1/3, TEEL-2/7, TEEL-3, rat 240 min LC50
2944	Tetrachloroethane, 1,1,2,2-	79-34-5	6	20	125	600	TLV-TWA, TEEL-2/7, human TClo, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2945	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	2.5	7.5	50	250	TEEL-3/1, TEEL-2/7, TEEL-3/5, rat 60 minute LCLo
2946	Tetrachlorosilane; (Silicon chloride)	10026-04-7	1	3.12	38.2	174	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
2947	Tetracosafuorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	3.42	10.3	17.1	342	Used fluoride exposure limits
2948	Tetracyanoquinodimethane	1518-16-7	0.4	1.25	10	50	
2949	Tetracycline hydrochloride	64-75-5	0.75	2.5	15	500	
2950	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	2,500	7,500	60,000	3.50E+05	Rat TClo, rat LClo minimum
2951	Tetradecane; (n-Tetradecane)	629-59-4	0.125	0.4	2.5	10,000	PAC-2/21, PAC-2/7, mouse sk TDlo, mouse iv LDlo
2952	Tetradecanoic acid; (Myristic acid)	544-63-8	0.35	1	7.5	35	
2953	Tetradecyltrimethylammonium bromide	1119-97-7	15	50	350	500	Rat oral LD50
2954	Tetraethyl lead	78-00-2	0.117	0.468	4	62.4	PEL-TWA, LOC, IDLH
2955	Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)	78-10-4	75	213	850	2,550	TLV-TWA, ERPG-1, ERPG-2, ERPG-3
2956	Tetraethyl pyrophosphate; (TEPP)	107-49-3	0.01	0.15	1	5	TLV-TWA, TEEL-2/7, LOC, IDLH
2957	Tetraethylammonium chloride	56-34-8	0.25	0.75	6	500	TEEL-1/3, TEEL-2/7, human intravenous TDLo, rat oral LD50 exceeds 500 mg/m ³ max
2958	Tetraethylene glycol	112-60-7	125	350	500	500	
2959	Tetraethylene glycol diacrylate	17831-71-9	1	3.5	25	350	WEEL-TWA, rabbit sk TDlo, rat oral LD50
2960	Tetraethylenepentamine	112-57-2	5	50	350	500	WEEL-TWA, rat oral LD50
2961	Tetraethyltin; (Tetraethylstannane)	597-64-8	0.198	0.396	7	49.5	PEL-TWA, TLV-STEL, LOC, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2962	Tetrafluoroethane, 1,1,1,2-; (HFC 134a)	811-97-2	4,000	33,400	54,200	1.13E+05	WEEL-TWA, AEGL-1, AEGL-2, AEGL-3
2963	Tetrafluoroethane, 1,1,2,2-; (HFC 134)	359-35-3	4,000	35,000	50,000	1.00E+05	Used HFC 134a (811-97-2) PAC values
2964	Tetrafluoroethylene	116-14-3	7.5	899	2,250	13,500	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
2965	Tetrafluorohydrazine	10036-47-2	3.5	10	75	350	PEL-TWA, TEEL-2/7, rat intratracheal TDLo, IDLH
2966	Tetrahydro-2,5-dimethyl furan	1003-38-9	15	50	350	500	Used Tetrahydrodimethylfuran (CASRN 1320-94-1) PAC values
2967	Tetrahydrofuran	109-99-9	150	295	1,470	14,700	TLV-TWA, ERPG-1, ERPG-2, ERPG-3
2968	Tetrahydrofuran-d8	1693-74-9	150	300	1,500	15,000	Used tetrahydrofuran (109-99-9) PAC values
2969	Tetrahydromethyl-1,3-isobenzofurandione, 3A,4,7,7A-; (Methyltetrahydrophthalic anhydride)	26590-20-5	10	30	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
2970	Tetrahydronaphthalene, 1,2,3,4-; (Tetralin)	119-64-2	1.25	3.5	25	100	Human TClo, guinea pig LC50
2971	Tetrahydropyridine, 1,2,3,6-	694-05-3	10	30	50	250	Used PNOS default in ppm
2972	Tetramethoxypropane, 1,1,3,3-; (Malonaldehyde bis(dimethyl acetal))	102-52-3	7.5	25	150	500	Estimated rat oral LD50
2973	Tetramethoxysilane; (Methyl silicate)	681-84-5	5.66	5.66	5.66	8.71	PAC-2, PAC-2, AEGL-2, AEGL-3
2974	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	0.3	1	6	35	Rat oral LD50
2975	Tetramethyl ethylene diamine	110-18-9	50	150	600	600	
2976	Tetramethyl lead	75-74-1	0.0968	0.581	4	51.6	PEL-TWA, LOC, IDLH
2977	Tetramethyl-1,3-butanediamine, N,N,N',N'-; (Tetramethyl butanediamine)	97-84-7	2	6	40	200	

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2978	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	10	30	50	250	Used PNOS default
2979	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	10	30	50	250	Used PNOS default
2980	Tetramethylammonium chloride	75-57-0	0.2	0.6	4	20	Rat oral LD50
2981	Tetramethylammonium hydroxide	75-59-2	0.3	0.75	2	2	Rat skin TDlo, guinea pig skin LD50
2982	Tetramethylammonium hydroxide pentahydrate	10424-65-4	0.6	1.5	4	4	Toxicity data for Tetramethylammonium hydroxide (75-59-2) adjusted for ratio of molecular weights
2983	Tetramethylammonium silicate	53116-81-7	10	30	50	250	PNOS default used
2984	Tetramethylbenzene, 1,2,3,5-	527-53-7	0.15	0.5	3.5	500	Rat skin TDlo, rat oral LD50
2985	Tetramethylbenzene, 1,2,4,5-	95-93-2	30	100	500	500	Rat 24 hour TClo, rat LD50
2986	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7	0.5	1.5	10	60	Mouse ip LD50
2987	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	125	200	200	200	Monkey TClo, rat 8 hr LClo minimum
2988	Tetramethylsilane	75-76-3	15	50	75	400	Used silane (7803-62-5) PAC values
2989	Tetranitromethane	509-14-8	4.17	4.17	4.17	13.6	PAC-2, PAC-2, AEGL-2, AEGL-3
2990	Tetraoxadodecane, 2,5,8,11-	112-49-2	6	20	150	750	Mouse oral TDlo preg
2991	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Lauryl alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	10	30	50	250	Used PNOS default
2992	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	2.79	8.38	14	25	As PEL-TWA
2993	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	4	15	75	400	SAR

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
2994	Tetrapropoxysilane	682-01-9	7.5	25	150	500	Rat oral LD50 estimated from HHR = 2
2995	Tetrapropylammonium hydroxide	4499-86-9	0.15	0.5	3.5	15	
2996	Tetrapropylorthotitanate	3087-37-4	10	30	50	250	Used PNOS default
2997	Tetrasodium pyrophosphate	7722-88-5	5	15	25	500	REL-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
2998	Tetrazole, 1H-	288-94-8	1.5	5	35	150	HHR-based rat oral LD50
2999	Thallium	7440-28-0	0.02	0.06	3	3	TLV-TWA, TLV-TWA*3, human oral TDLo, human LD50
3000	Thallium chloride; (Thallium(I) chloride)	7791-12-0	0.0235	0.0704	2	17.6	TLV-TWA, TLV-TWA*3, LOC, IDLH
3001	Thallium hydroxide	12026-06-1	0.0217	0.065	0.108	16.2	TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
3002	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	0.0261	0.0782	19.6	19.6	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
3003	Thallium nitrite	13826-63-6	0.0245	0.0735	0.125	18.4	TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
3004	Thallium oxide	1314-12-1	0.0208	0.0623	0.104	15.6	TLV-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
3005	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	0.0213	0.064	2	16	TLV-TWA, TLV-TWA*3, LOC, IDLH
3006	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	0.0258	0.0773	2.5	19.3	TLV-TWA, TLV-TWA*3, mouse oral TDLo, IDLH
3007	Thallium(I) carbonate (2:1)	6533-73-9	0.0229	0.0688	2	17.2	TLV-TWA, TLV-TWA*3, LOC, IDLH
3008	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	0.0247	0.0741	2	18.5	TLV-TWA, TLV-TWA*3, LOC, IDLH
3009	Thallium(III) oxide; (Thallium sesquioxide; Thalic oxide)	1314-32-5	0.4	1.25	2	20	TEEL-1/3, TEEL-2*3/5, LOC, rat oral LD50
3010	Thallium(III) perchlorate hexahydrate	15596-83-5	0.0598	0.179	0.3	44.8	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3011	Thallos malonate	2757-18-8	0.025	0.075	2	18.7	TLV-TWA, TLV-TWA*3, LOC, IDLH
3012	Thenoyltrifluoroacetone	326-91-0	1.25	3.5	25	125	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
3013	Thioacetamide	62-55-5	1.5	5	40	125	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
3014	Thioacetic acid	507-09-5	0.02	0.06	0.4	30	TEEL-1/3, TEEL-2/7, Rat skin TDLo, mouse ip LD50
3015	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	0.25	0.75	1.3	1.3	LOC, rat oral LD50
3016	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	20	60	100	100	LOC,
3017	Thiocresol, p-; (p-Toluenethiol)	106-45-6	0.75	2.5	15	75	Mouse ip LD50
3018	Thiocyanic acid, compound with guanidine (1:1); (Guanidine thiocyanate salt)	593-84-0	1.25	3.5	25	125	Mouse ip LD50
3019	Thiodiglycol	111-48-8	25	75	500	500	
3020	Thiofanox; (Dacamox)	39196-18-4	1.5	5	8.5	30	TEEL-1/3, TEEL-2*3/5, LOC, rat LC50
3021	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	0.6	2	3.5	3.5	TEEL-1/3, TEEL-2*3/5, LOC, LOC
3022	Thionyl chloride	7719-09-7	0.3	0.97	11.7	68.1	PAC-1/3, ERPG-1, AEGL-2, AEGL-3
3023	Thiophosphoryl chloride	3982-91-0	1.25	4	25	60	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat 240 min LC50
3024	Thiosemicarbazide	79-19-6	1.5	5	9.2	9.2	TEEL-1/3, TEEL-2*3/5, LOC, TEEL-2
3025	Thiourea	62-56-6	1.25	4	25	125	TEEL-2/21, TEEL-2/7, woman oral TDLo, human unreported route LDLo
3026	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	0.05	10	75	100	TLV-TWA, TEEL-2/7, rat TCLo, IDLH
3027	Thorium	7440-29-1	0.35	1	6	35	Mammal TCLo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3028	Thorium hydroxide	13825-36-0	0.75	0.75	2.5	75	SAR
3029	Thorium nitrite	z-0079	0.05	0.125	0.75	75	SAR
3030	Thorium oxalate	2040-52-0	42.1	126	210	500	TEEL-0 based on DRL for Th, TEEL-0*3, TEEL-0*5, TEEL-0*25
3031	Thorium oxide; (Thorium dioxide)	1314-20-1	25	75	500	500	Human intra-arterial TDlo, rat it LD50 minimum
3032	Thorium perchlorate	16045-17-3	31.4	94.3	157	500	TEEL-0 based on DRL for Th, TEEL-0*3, TEEL-0*5, TEEL-0*25
3033	Thorium(IV) nitrate	13823-29-5	0.75	2	15	25	Rat sc TDlo, rat ip LD50
3034	Thulium	7440-30-4	10	30	50	250	Used PNOS default
3035	Thulium chloride	13537-18-3	15	50	350	500	Mouse oral LD50
3036	Thulium oxide	12036-44-1	10	30	50	250	Used PNOS default
3037	Thymol blue; (6,6'-(3H-2,1-benzoxathiol-3-ylidene)dithymol, S,S-dioxide)	76-61-9	10	30	50	250	Used PNOS default
3038	Thyodene; (Amylodextrin)	9005-84-9	10	30	50	250	Used PNOS default
3039	Tin	7440-31-5	2	20	100	100	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
3040	Tin fluoroborate	13814-97-6	4.93	14.8	25	246	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH inorganic compounds, as Sn
3041	Tin hydroxide	12026-24-3	2.57	7.72	12.9	129	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH inorganic compounds, as Sn
3042	Tin nitrate	41480-79-9	4.09	12.3	20.4	204	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH inorganic compounds, as Sn
3043	Tin nitrite	100737-27-7	3.55	10.7	17.8	178	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH inorganic compounds, as Sn
3044	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	3.8	11.4	20	190	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH inorganic compounds, as Sn

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3045	Tin(II) oxide	1332-29-2	2.54	7.62	12.7	127	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH inorganic compounds, as Sn
3046	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	3.62	10.9	18.1	181	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH inorganic compounds, as Sn
3047	Tin(IV) isopropoxide	1184-61-8	0.35	0.7	15	87.4	PEL-TWA, TLV-STEL, PAC-3/5, IDLH organic compounds, as Sn
3048	Tin(IV) oxide; (Stannic oxide)	18282-10-5	2.54	7.62	12.7	127	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH inorganic compounds, as Sn
3049	Titanium	7440-32-6	0.6	2	12.5	60	TEEL-2/21, TEEL-2/7, rat oral TDLo, TEEL-2*5
3050	Titanium aluminide	39410-63-4	1	3	5	25	Insoluble Al TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
3051	Titanium boride	12045-63-5	6.43	19.3	32.1	150	Boron TLV-TWA, TLV-STEL, TEEL-0*5, TEEL-0*25
3052	Titanium carbide	12070-08-5	10	30	50	250	Used PNOS default
3053	Titanium chloride	7705-07-9	0.5	1.5	10	50	
3054	Titanium hydride	7704-98-5	1.5	5	35	150	
3055	Titanium oxide; (Titanium dioxide)	13463-67-7	15	30	50	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
3056	Titanium tetrachloride	7550-45-0	0.5	5	7.75	44.2	WEEL-TWA, ERPG-1, AEGL-2, AEGL-3
3057	Titanium(II) oxide	12137-20-1	10	30	50	250	Used PNOS default
3058	Titanium(III) fluoride	13470-08-1	4.6	12.5	75	460	Fluoride exposure limits
3059	Titanium-based alloy; (Titanium compounds)	z-0081	10	30	50	250	Used PNOS default
3060	Toluene	108-88-3	75	753	4,520	16,900	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
3061	Toluene diisocyanate (mixed isomers)	26471-62-5	1.5	5	12.5	12.5	

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3062	Toluene diisocyanate, trimethylolpropane, epsilon-caprolactone polymer, methylated	71342-93-3	10	30	50	250	Used PNOS default
3063	Toluene-2,4-diisocyanate; (TDI)	584-84-9	0.035	0.142	0.591	3.63	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
3064	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	1.5	4	30	150	
3065	Toluene-2,6-diisocyanate	91-08-7	0.035	0.142	0.591	3.63	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
3066	Toluene-d8; (Deuterated toluene)	2037-26-5	75	750	5,000	15,000	Used Toluene (108-88-3) PACs
3067	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	0.025	7.5	60	250	WEEL-TWA, TEEL-2/7, rat oral TDLo, rat oral LD50
3068	Toluenesulfonamide, p-; (Pasam)	70-55-3	1	3	20	100	Mouse ip LD50
3069	Toluenesulfonic acid, methyl ester, p-	80-48-8	0.75	2.5	15	150	Rat oral TDLo and LD50
3070	Toluenesulfonyl chloride, p-	98-59-9	2.5	7.5	50	250	TEEL-2/21, TEEL-2/7, WEEL-C, rat oral TDLo
3071	Toluenesulphonic acid monohydrate, para-; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	10	30	200	500	
3072	Toluenethiol, m-	108-40-7	0.2	0.6	4	20	
3073	Toluidine, m-; (3-Methylaniline)	108-44-1	7.5	35	200	200	TLV-TWA, TEEL-2/7, TEEL-3, rat oral LD50
3074	Toluidine, o-	95-53-4	20	20	20	200	PEL-TWA, TEEL-0, TEEL-0, IDLH
3075	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	2	15	125	150	TLV-TWA, TEEL-2/7, rat oral TDLo, rat oral LD50
3076	Toxaphene; (Chlorinated camphene)	8001-35-2	0.5	1	20	200	PEL-TWA, TLV-STEL, LOC, IDLH
3077	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	0.2	0.6	4.4	40	

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3078	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6	5	15	100	500	
3079	Tri(2-ethylhexyl) phosphate; (Tris(2-ethylhexyl)phosphate)	78-42-2	12.5	12.5	12.5	12.5	T-2/21, P-3, P-3, guinea pig 30 min LC50
3080	Triacetin; (Triacetyl glycerin)	102-76-1	12.5	35	250	500	
3081	Triamiphos	1031-47-6	2	6	10	10	LOC
3082	Triaryl sulfonium chloride salts	109037-76-5	1.25	4	25	125	TEEL-1/3, TEEL-2/7, TEEL-3/5, rabbit oral LD50
3083	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	3	10	60	350	
3084	Triazofos; (Triazophos)	24017-47-8	0.5	1.5	2.8	125	
3085	Tribenzylamine	620-40-6	10	30	50	250	Used PNOS default
3086	Tributyl citrate	77-94-1	15	50	350	1,250	Mouse ip LD50 and TDlo
3087	Tributyl phosphate	126-73-8	2	60	300	300	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
3088	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6	0.75	2	15	75	
3089	Tributyl-1-butanaminium iodide, N,N,N-; (Tetrabutylammonium iodide)	311-28-4	7.5	25	150	500	Rat oral D50
3090	Tributylphosphine	998-40-3	3	7.5	60	300	Rat oral LD50
3091	Tributyltetradecylphosphonium chloride	81741-28-8	10	30	50	250	Used PNOS default
3092	Trichloramine; (Nitrogen chloride)	10025-85-1	0.6	1.5	12.5	100	
3093	Trichloro(dichlorophenyl) silane; (Dichlorophenyltrichlorosilane)	27137-85-5	2	6.88	83.7	378	PAC-1/3, AEGL-1, AEGL-2, AEGL-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3094	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	250	500	500	500	
3095	Trichloro-2-nitrosobenzene, 1,3,5-	1196-13-0	7.5	25	150	500	Used trichloronitrobenzene (89-69-0) mouse toxicity data.
3096	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	7.5	25	125	125	TEEL-1/3, TEEL-2/7, TEEL-3, human LDLo
3097	Trichloroacetaldehyde; (Chloral)	75-87-6	2.5	7.5	40	40	TEEL-1/3, TEEL-2/7, TEEL-3, rat 240 min LC50
3098	Trichloroacetic acid	76-03-9	6	6	15	150	TLV-TWA,
3099	Trichloroacetyl chloride	76-02-8	0.2	0.6	4.5	50	LOC, rat 240 min LC50
3100	Trichlorobenzene, 1,2,3-	87-61-6	5	10	60	500	MAK-TWA, TEEL-2/7, rat oral TDlo, rat oral LD50 exceeds 500 mg/m ³ max
3101	Trichlorobenzene, 1,2,4-	120-82-1	1.5	5	35	300	TEEL-2/21, TEEL-2/7, TLV-C, rat oral LD50
3102	Trichloroethane, 1,1,1-; (Methyl chloroform)	71-55-6	1,250	1,250	3,270	22,900	PAC-1, AEGL-1, AEGL-2, AEGL-3
3103	Trichloroethane, 1,1,2-	79-00-5	50	500	500	500	PEL-TWA, TEEL-3, TEEL-3, IDLH
3104	Trichloroethanol, 2,2,2-	115-20-8	12.5	35	250	250	Ratorial TDlo, rat oral LD50
3105	Trichloroethylene	79-01-6	50	698	2,420	20,400	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
3106	Trichloroethylsilane; (Ethyl trichlorosilane)	115-21-9	1.25	4.01	48.8	221	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
3107	Trichlorofluoromethane; (Fluorotrichloromethane; Freon 11)	75-69-4	5,000	5,000	7,500	10,000	PEL-TWA, TEEL-0, EEGL-60 min, IDLH
3108	Trichlorohydroxyethyl dimethylphosphonate; ((2,2,2-Trichloro-1-hydroxyethyl)dimethylphosphonate; Trichlorophon)	52-68-6	1	3	13	500	TLV-TWA, LOC, rat 240 min LC50
3109	Trichloroisocyanuric acid	87-90-1	30	75	500	500	Human oral LDlo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3110	Trichloronaphthalene	1321-65-9	5	15	25	50	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
3111	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	2	6	10	300	LOC
3112	Trichloronitrobenzene, 2,4,5-	89-69-0	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5. Mouse oral LD ₅₀
3113	Trichlorophenol, 2,3,6-	933-75-5	1.25	4	25	125	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD ₅₀
3114	Trichlorophenol, 2,4,5-	95-95-4	40	125	350	350	TEEL-1/3, TEEL-2/7, TEEL-3, rat oral LD ₅₀
3115	Trichlorophenol, 2,4,6-	88-06-2	10	30	200	350	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD ₅₀
3116	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (Silvex)	93-72-1	1.5	5	35	250	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD ₅₀
3117	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	10	10	10	250	PEL-TWA, TEEL-0, TEEL-0, IDLH
3118	Trichlorophenylsilane	98-13-5	1.5	5.19	63.1	285	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
3119	Trichloropropane, 1,2,3-	96-18-4	60	200	600	600	TLV-TWA, TEEL-2/7, TEEL-3, IDLH
3120	Trichlorosilane	10025-78-2	1	3.32	40.4	183	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
3121	Trichlorotrifluoroethane; (Freon 113; CFC113)	76-13-1	7,500	10,000	10,000	15,000	PEL-TWA, TLV-STEL, EEGL-60 min, IDLH
3122	Tridecane	629-50-5	0.125	0.35	2.5	50	Rabbit skin TDLo, rat 480 min LC ₅₀ minimum
3123	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	7.5	25	150	500	Rat oral LD ₅₀ based on HHR
3124	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	5	250	500	500	TLV-TWA, TEEL-2/7, TEEL-3, rat oral LD ₅₀ and TEEL-2 exceed 500 mg/m ³ max
3125	Triethoxysilane	998-30-1	0.35	3.36	26.9	67.1	WEEL-TWA, ERPG-1, ERPG-2, ERPG-3
3126	Triethoxyvinylsilane	78-08-0	125	400	2,500	12,500	Rat 240 min LC ₅₀

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3127	Triethyl phosphate; (TEP)	78-40-0	75	200	500	500	Rat TClo, rat LClo
3128	Triethyl phosphite	122-52-1	12.5	40	300	1,500	
3129	Triethylaluminum	97-93-8	8.46	8.46	50	250	Aluminum alkyls (as Al) REL-TWA, rat 15 min LC50
3130	Triethylamine	121-44-8	4	12.5	12.5	750	TLV-TWA, TLV-STEL, IDLH
3131	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9	10	30	50	250	Used PNOS default
3132	Triethylbenzene (mixed isomers)	25340-18-5	40	125	750	4,000	
3133	Triethylene glycol	112-27-6	500	500	500	500	MAK-TWA, TEEL-2/7, mouse oral TDLo, and human oral LDLo all values exceed 500 mg/m ³ max
3134	Triethylene glycol monomethyl ether	112-35-6	40	125	500	500	
3135	Triethylenetetramine	112-24-3	6	50	350	1,000	WEEL-TWA, TEEL-2/7, pregnant rat oral TDLo, rat oral LD50
3136	Triethylethanaminium hydroxide, N,N,N-; (Tetraethyl ammonium hydroxide)	77-98-5	0.35	1	7.5	35	Mouse subcutaneous LDlo
3137	Triethyloxonium tetrafluoroborate	368-39-8	6.25	18.8	31.3	500	Fluoride exposure limits
3138	Triethylphosphorothioate; (Tepto)	126-68-1	1.25	4	25	125	Rat 240 min LC50
3139	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4-, boron difluoride	22502-27-8	0.75	2.5	15	75	Mouse iv LD50
3140	Trifluoro-4-nitro-m-cresol, alpha,alpha,alpha-; (4-Nitro-3-(trifluoromethyl)phenol)	88-30-2	0.6	1.5	12.5	60	Rat oral LD50
3141	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4	2.5	7.5	50	250	Mouse oral LD50
3142	Trifluoroacetic acid anhydride	407-25-0	4.61	13.8	23	461	As fluoride exposure limits
3143	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	50	75	75	75	

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3144	Trifluoroacetyl chloride	354-32-5	6	15	125	600	As fluoride, PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH
3145	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	1.25	35	250	250	WEEL-TWA, rat TClo, rat LC50
3146	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	0.6	1.5	12.5	60	Rat 240 min LC50 based on HR =3
3147	Trifluoromethanesulfonic anhydride	358-23-6	1.5	5	35	150	Rat oral LD50 based on HHR = 3
3148	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	15,000	35,000	35,000	35,000	Rat 2 week TClo, rat 4 hour LClo
3149	Trifluoromethyl)benzenamine, 3-; (m-Aminobenzal fluoride)	98-16-8	0.75	2.5	4.4	150	LOC,
3150	Trifluralin; (2,6-Dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine)	1582-09-8	40	125	150	150	TEEL-1/3, TEEL-2/7, TEEL-3, rat 60 min LC50
3151	Triisobutylaluminum	100-99-2	14.7	100	500	500	REL-TWA, TEEL-2/7, TEEL-3/5, rat 60 minute LClo and TEEL-3/5 exceed 500 mg/m ³ max
3152	Trimethoxy(3,3,3-trifluoropropyl)silane	429-60-7	9.57	28.7	50	500	Fluoride exposure limits
3153	Trimethoxyboroxine	102-24-9	20	60	400	500	
3154	Trimethoxysilane	2487-90-3	0.25	2.5	4.15	12.5	WEEL-TWA, ERPG-1, AEGL-2, AEGL-3
3155	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	10	30	50	250	Used PNOS default
3156	Trimethoxysilyl)-1-propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	3	7.5	60	300	Rat oral LD50
3157	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	6	15	125	500	Rat TClo, rat oral LD50
3158	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	30	75	500	500	Rat oral LD50
3159	Trimethoxyvinylsilane; (Vinyltrimethoxysilane; Silane, trimethoxyvinyl-)	2768-02-7	750	2,500	7,500	7,500	PAC-2/21, PAC-2/7, rat TClo, rat LC50
3160	Trimethyl borate	121-43-7	25	75	500	2,500	Rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3161	Trimethyl phosphate; (TMP)	512-56-1	25	75	350	350	
3162	Trimethyl phosphite	121-45-9	10	30.9	309	1,570	TLV-TWA, AEGL-1, AEGL-2, AEGL-3
3163	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4	25	75	500	500	
3164	Trimethyl-1-pentene, 2,4,4-; (Diisobutylene)	107-39-1	350	1,000	1,500	7,500	WEEL-TWA
3165	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	10	30	50	250	Used PNOS default
3166	Trimethyl-2-hexene, 4,4,5-	55702-61-9	10	30	50	250	Used PNOS default
3167	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, epsilon-lactone)	64047-30-9	30	75	500	500	Rat oral LD50
3168	Trimethylacetic acid; (Pivalic acid)	75-98-9	3.5	10	75	400	Rat oral LD50
3169	Trimethylacetyl chloride; (Pivaloyl chloride)	3282-30-2	0.125	0.35	2.61	7.89	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3
3170	Trimethylaluminum	75-24-1	5.34	16	26.7	125	REL-TWA, REL-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
3171	Trimethylamine	75-50-3	12.5	19.3	290	918	TLV-TWA, AEGL-1, AEGL-3, AEGL-3
3172	Trimethylaniline, 2,4,6-	88-05-1	0.125	0.4	2.9	40	LOC
3173	Trimethylbenzene, 1,2,3-	526-73-8	125	688	1,770	7,500	TLV-TWA, AEGL-1, AEGL-2 , rat oral LDlo
3174	Trimethylbenzene, 1,2,4-; (Pseudocumene)	95-63-6	125	688	1,770	2,000	TLV-TWA, AEGL-1, AEGL-2 , rat 240 min LC50
3175	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (alpha-Pinene)	80-56-8	100	100	300	1,500	TLV-TWA, TEEL-2/7, TEEL-3/5, rat oral LD50
3176	Trimethylchlorosilane	75-77-4	2.5	7.99	97.7	444	PAC-1/3, AEGL-1, AEGL-2, AEGL-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3177	Trimethyldecane, 2,2,3-	62338-09-4	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3178	Trimethyldecane, 2,2,8-	62238-01-1	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3179	Trimethyldecane, 2,5,6-	62108-23-0	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3180	Trimethylene oxide; (Oxetane)	503-30-0	0.1	0.3	2	75	Rat sc TDlo and LD50
3181	Trimethylgallium	1445-79-0	1.5	5	35	150	Rat oral LD50 based on HHR
3182	Trimethylhexane, 2,2,5-	3522-94-9	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3183	Trimethyl-N'-(hydroxyethyl)-1,3-propanediamine, N,N,N'-; (2-((3-(Dimethylamino)propyl)methylamino)ethanol)	82136-26-3	10	30	50	250	Used PNOS default
3184	Trimethyloctane	98060-52-7	350	350	1,500	6,000	REL-TWA, REL-C for alkanes,
3185	Trimethyloctane, 2,2,6-	62016-28-8	350	350	1,500	7,500	REL-TWA, REL-C for alkanes,
3186	Trimethyloctane, 2,3,7-	62016-34-6	350	350	1,500	7,500	REL-TWA, REL-C for alkanes,
3187	Trimethyloctane, 2,4,6-	62016-37-9	350	350	1,500	7,500	REL-TWA, REL-C for alkanes,
3188	Trimethyloctane, 2,6,6-	54166-32-4	350	350	1,500	7,500	REL-TWA, REL-C for alkanes,
3189	Trimethylolpropane ethoxylate	50586-59-9	10	30	50	250	Used PNOS default
3190	Trimethylolpropane phosphite	824-11-3	0.125	0.35	2.5	6	LOC,
3191	Trimethylphosphine	594-09-2	0.3	1	6	35	Rat 240 min LC50 based on HHR = 3
3192	Trimethylpyridine, 2,4,6-	108-75-8	7.5	25	150	750	
3193	Trimethylsilanol	1066-40-6	0.15	1.5	7.5	15	SAR

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3194	Trimethylsilylmethylithium	1822-00-0	1.5	5	35	150	Estimated rat oral LD50 based on HHR
3195	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	0.168	0.336	20	42	PEL-TWA, LOC
3196	Trimethyltriheptylamine, 6,6',6''-; (Triisooctylamine)	2757-28-0	6	15	125	500	
3197	Tri-n-butylamine	102-82-9	0.15	0.5	3.5	60	Rat oral TDLo, rat 240 min LClo
3198	Trinitrobenzene, 1,3,5-	99-35-4	3	7.5	60	125	TEEL-1/3, TEEL-2/7, rat oral TDLo, rat oral LD50
3199	Trinitrochlorobenzene; (Picryl chloride)	28260-61-9	10	30	50	250	Used PNOS default
3200	Trinitrophenylmethyl nitramine, 2,4,6-; (Tetryl)	479-45-8	1.5	7.5	50	500	PEL-TWA, IDLH
3201	Trinitrotoluene, 2,4,6-	118-96-7	0.1	1.25	7.5	500	TLV-TWA, TEEL-2/7, rat oral TDLo, IDLH
3202	Tri-n-octylphosphine oxide; (Trioctylphosphine oxide)	78-50-2	4	12.5	75	400	TEEL-1/3, TEEL-2/7, rat dermal TDLo, TEEL-2*5
3203	Trioctylamine; (N,N-Dioctyl-1-octanamine)	1116-76-3	4	12.5	75	400	
3204	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	0.5	1.5	10	50	Mouse 10 minute LC50 minimum
3205	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	1.5	4	7.5	600	PEL-TWA, IDLH
3206	Tripentaerythritol	78-24-0	10	30	50	250	Used PNOS default
3207	Triphenyl phosphate	115-86-6	3	9	500	500	PEL-TWA, IDLH
3208	Triphenyl phosphite	101-02-0	7.5	25	150	200	
3209	Triphenylborane	960-71-4	7.5	25	150	500	Rat oral LD50 based on HHR
3210	Triphenylethoxysilane	1516-80-9	10	30	50	250	Used PNOS default

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3211	Triphenylolmethane triglycidyl ether	66072-38-6	10	30	50	250	Used PNOS default
3212	Triphenylphosphine	603-35-0	1.5	5	40	500	
3213	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	0.325	0.65	20	81.2	PEL-TWA, TLV-STEL, IDLH
3214	Tripotassium (2-hydroxyethyl)ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	5	15	125	600	SAR
3215	Tripotassium arsenate	13464-36-3	0.0342	0.103	0.171	17.1	PEL-TWA, TEEL-0*3, TEEL-*5, IDLH
3216	Tripropyl phosphate; (TPP)	513-08-6	6	15	125	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, estimated rat oral LD50
3217	Tripropylamine	102-69-2	20	60	400	2,000	Rat 240 min LC50
3218	Tripropylene glycol methyl ether	25498-49-1	12.5	40	250	500	Rat oral LD50
3219	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol)	20324-33-8	0.04	0.125	0.75	1,500	
3220	Tripropylene glycol; (((1-Methyl-1,2-ethanediyl)bis(oxy))bispropanol)	24800-44-0	12.5	35	250	1,250	Rat oral LD50
3221	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	7.5	25	150	500	Rat oral LD50 based on MSDS HHR = 2
3222	Tris((hydroxymethyl)methylamino)propane-1-sulphonic acid, 3-	29915-38-6	10	30	50	250	Used PNOS default
3223	Tris(2-aminoethyl)amine	4097-89-6	2	6	40	100	Rat oral TDlo, rat oral LD50
3224	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	7.5	20	150	500	
3225	Tris(2-chloroethyl)amine; (Nitrogen mustard-3)	555-77-1	0.001	0.003	0.022	0.37	PAC-2/21, PAC-2/7, AEGL-2, AEGL-3

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3226	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	5	15	100	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
3227	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	25	75	500	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50 exceeds 500 mg/m ³ max
3228	Trisodium arsenate	13464-38-5	0.0277	0.0832	0.139	13.9	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
3229	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3	0.0446	0.134	0.223	22.3	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
3230	Trisodium citrate	68-04-2	6	20	125	600	
3231	Trisodium N-hydroxyethylethylenediaminetriacetate; (Trisodium N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	4	12.5	75	400	SAR
3232	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	15	40	300	500	
3233	Trypan blue	72-57-1	2	6	40	500	TEEL-2/21, TEEL-2/7 pgnant rat oral TDLo, rat oral LD50 exceeds 500 mg/m ³ max
3234	Trypsin; (Parezyme; Chymotrypsin inhibitor)	9002-07-7	0.025	0.075	0.6	30	Mouse intramuscular TDLo, rat iv LD40
3235	Trypsinogen	9002-08-8	7.5	25	150	500	Rat oral LD50 based on HHR = 2
3236	Tungsten	7440-33-7	5	10	150	500	TLV-TWA, TLV-STEL, rat intratracheal TDLo, rat intraperitoneal LD50 exceeds 500 mg/m ³ max
3237	Tungsten boride	12007-09-9	5.29	10.6	26.5	125	TLV-TWA, TLV-STEL, TLV-TWA*5, TEEL-2*5
3238	Tungsten carbide	12070-12-1	5.33	10.7	26.6	125	TLV-TWA, TLV-STEL, TLV-TWA*5, TEEL-2*5
3239	Tungsten hexafluoride	7783-82-6	1.62	4.86	15	150	TLV-TWA, TLV-STEL, mammal TClO, rat LC50
3240	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	6.31	12.6	12.6	400	TLV-TWA, TLV-STEL, TLV-STEL, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3241	Tungsten(IV) chloride; (Tungsten tetrachloride)	13470-13-8	1.77	5.31	8.86	40	TLV-TWA, TLV-STEL, TLV-TWA*5, TEEL-2*5
3242	Tungsten(IV) oxide	12036-22-5	5.87	11.7	30	150	TLV-TWA, TLV-STEL, TLV-TWA*5, TEEL-2*5
3243	Tungstic acid	7783-03-1	6.8	13.6	35	150	TLV-TWA, TLV-STEL, TLV-TWA*5, TEEL-2*5
3244	Tungstosilicic acid	11130-20-4	6.52	13	32.6	150	TLV-TWA, TLV-STEL, TLV-TWA*5, TEEL-2*5
3245	Turpentine	8006-64-2	100	100	100	4,000	TLV-TWA, TEEL-0, human TCLo, IDLH
3246	Undecane	1120-21-4	2	6	40	200	Rat oral LD50
3247	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	1.25	4	30	2,000	
3248	Uranine; (Fluorescein sodium)	518-47-8	12.5	40	250	500	
3249	Uranium	7440-61-1	0.25	0.6	2.5	10	PEL-TWA, TLV-STEL, rat oral TDLo, IDLH
3250	Uranium hexafluoride; (Uranium fluoride)	7783-81-5	0.0739	3.6	9.6	36	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
3251	Uranium hydride; (Uranium(III) hydride)	13598-56-6	0.253	0.608	2	10.1	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3252	Uranium oxide; (Triuranium octaoxide)	1344-59-8	0.295	0.708	10	50	PEL-TWA, TLV-STEL, ERPG-2, ERPG-3
3253	Uranium telluride	12138-37-3	0.518	1.24	4	20.7	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3254	Uranium telluride A	12138-37-3a	0.429	1.03	3.5	17.1	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3255	Uranium trioxide	1344-58-7	0.3	0.5	0.5	3	PEL-TWA, PAC-2, ERPG-2, ERPG-3
3256	Uranium(IV) oxide; (Uranium dioxide)	1344-57-6	0.284	0.681	10	30	PEL-TWA, TLV-STEL, ERPG-2, ERPG-3
3257	Uranium: insoluble compounds	z-0083	0.25	0.6	2	10	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3258	Uranium: soluble compounds	z-0084	0.05	0.6	2	10	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3259	Uranyl acetate; (Uranium oxyacetate)	541-09-3	0.0815	0.978	3	16.3	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3260	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	0.0647	0.776	2.5	12.9	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3261	Uranyl hydroxide	13470-18-3a	0.0639	0.766	2.5	12.8	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3262	Uranyl hydroxide (liquids)	13470-18-3b	0.0639	0.766	2.5	12.8	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3263	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	0.0828	0.993	3	16.6	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3264	Uranyl nitrate (yellow salt)	36478-76-9	0.0828	0.993	3	16.6	PEL-TWA, TLV-STEL, dog TCl _o , IDLH
3265	Uranyl nitrate hexahydrate	13520-83-7	0.105	1.27	1.27	21.1	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3266	Uranyl nitrite (liquids)	z-0087	0.076	0.913	3	15.2	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
3267	Urea	57-13-6	10	10	15	500	WEEL-TWA, women implant TD _{lo} , rat oral LD50
3268	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	1.5	5	35	150	Rat oral LD50 estimated from HHR = 3
3269	Urea), N,N''-(4-methyl-1,3-phenylene)bis(N',N'-dimethyl-	17526-94-2	1.5	5	35	150	Estimated rat oral LD50
3270	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	500	500	500	500	
3271	Valeric acid	109-52-4	30	75	500	500	TEEL-1/3, TEEL-2/7, rat oral preg 10 day TDLo exceeds 500 mg/m ³ max, mouse oral LD50
3272	Valinomycin	2001-95-8	0.5	1.5	2.5	2.5	TEEL-1/3, TEEL-2*3/5, LOC, TEEL-2
3273	Vanadium	7440-62-2	0.6	1.5	12.5	35	TEEL-1/3, TEEL-2/7, rat oral TDLo, IDLH
3274	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	0.179	1	7	125	TLV-TWA, TEEL-2/7, LOC, IDLH

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3275	Vanadium sulfate	16785-81-2	3	7.5	60	312	TEEL-1/3, TEEL-2/7, rat intratesticular TDLo, IDLH
3276	Vanadium tetrachloride	7632-51-1	0.6	2	12.5	60	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
3277	Vanadium trioxide	1314-34-7	1	3	20	51.5	TEEL-2/21, TEEL-2/7, rat TCLo, IDLH
3278	Vanadium(II) sulfate heptahydrate	36907-42-3	1.5	5	35	188	TEEL-1/3, TEEL-2/7, TEEL-3/5, IDLH
3279	Vanadium(III) sulfate	13701-70-7	1.25	4	25	134	TEEL-1/3, TEEL-2/7, TEEL-3/5, IDLH
3280	Vanadium, trichlorooxo-	7727-18-6	0.6	1.5	12.5	60	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
3281	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	1.5	5	35	174	TEEL-1/3, TEEL-2/7, mouse oral TDLo, IDLH
3282	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	1	3	20	112	TEEL-1/3, TEEL-2/7, TEEL-3/5, IDLH
3283	Vanilin	121-33-5	10	30	125	500	WEEL-TWA, TEEL-0*5, rat TCLo, rat LD50
3284	Vegetable oil	68956-68-3	15	45	75	500	PEL-TWA, TEEL-0*3, TEEL-0*5, rabbit intravenous LD50 exceeds 500 mg/m ³ max
3285	Veratraldehyde	120-14-9	7.5	25	150	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, Rat oral LD50 exceeds 500 mg/m ³ max
3286	Vermiculite, exfoliated	1318-00-9	1	3	5	25	As insoluble Al TLV-TWA, TLV-TWA*3, TLV-TWA*5, TEEL-2*5
3287	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1	0.15	0.4	3	15	Mouse 10 min LCLo for allyl 2-chloroethylsulfide
3288	Vinyl acetate	108-05-4	23.6	23.6	633	2,150	PAC-1, AEGL-1, AEGL-2, AEGL-3
3289	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	35	100	500	500	
3290	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0	10	30	50	250	TLV-TWA (PNOS), TEEL-0*3, TEEL-0*5, TEEL-2*5
3291	Vinyl bromide	593-60-2	2	15,000	30,000	30,000	TLV-TWA, TEEL-2/7, TEEL-3, rat 420 min LClo

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3292	Vinyl chloride	75-01-4	2.5	639	3,070	12,300	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
3293	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	50	150	1,000	5,000	
3294	Vinyl fluoride	75-02-5	1.5	10	75	1.50E+05	TLV-TWA, TEEL-2/7, REL-C, rat 240 min LC50
3295	Vinyl sulfoxide	1115-15-7	0.75	2.5	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LDlo
3296	Vinyl terminated dimethylsiloxane-diphenylsiloxane copolymer	68951-96-2	75	250	500	500	Rat oral LD50 based on HHR
3297	Vinyl trichlorosilane	75-94-5	1.25	3.96	48.2	218	PAC-1/3, AEGL-1, AEGL-2, AEGL-3
3298	Vinyl-2-pyrrolidinone, 1-	88-12-0	0.2	25	150	350	TLV-TWA, rat TClo, rat 240 min LC50
3299	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	1.5	5	35	150	Rat oral LD50 based on HHR = 3
3300	Vinylcyclohexene, 4-; (Cyclohexenylethylene)	100-40-3	0.4	1.25	15,000	15,000	TLV-TWA, TEEL-0*3, TEEL-3, rat 240 min LClo
3301	Vinylformamide, N-	13162-05-5	5	15	100	500	Rat 249 min LC50 minimum
3302	Vinylidene chloride; (1,1-Dichloroethylene)	75-35-4	20	250	1,980	3,960	TLV-TWA, PAC-2/7, ERPG-2, ERPG-3
3303	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	1,250	1,250	3,500	60,000	TLV-TWA, TEEL-0, rat TClo, rat 240 minute LC50
3304	Vinylmagnesium bromide	1826-67-1	1.5	5	35	150	Estimated rat oral LD50 based on HHR
3305	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	100	250	250	250	Rat oral TDlo, rat oral LD50 minimum
3306	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)	64742-52-5	15	40	300	500	TEEL-1/3, TEEL-2/7, mouse skin TDLo, rat oral LD50 minimum exceeds 500 mg/m ³ max
3307	Warfarin	81-81-2	0.1	0.3	20	100	PEL-TWA, TEEL-0*3, LOC, IDLH
3308	Warfarin sodium	129-06-6	1.5	5	9	9	LOC

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3309	Xenon	7440-63-3	3.50E+05	3.50E+05	1.25E+06	2.00E+06	Simple asphyxiant
3310	Xylene, m-	108-38-3	400	600	750	4,000	PEL-TWA, TLV-STEL, EEGL-60 min, IDLH
3311	Xylene, o-	95-47-6	400	600	750	4,000	PEL-TWA, TLV-STEL, EEGL-60 min, IDLH
3312	Xylene, p-	106-42-3	400	600	750	4,000	PEL-TWA, TLV-STEL, EEGL-60-min, IDLH
3313	Xylenes	1330-20-7	400	564	3,990	10,800	PEL-TWA, AEGL-1, AEGL-2, AEGL-3
3314	Xylenol orange tetrasodium salt	3618-43-7	10	30	50	250	Used PNOS default
3315	Xylidine	1300-73-8	2.5	50	50	250	TLV-TWA, UK OEL-STEL, TEEL-1, IDLH
3316	Xylidine, 2,6-	87-62-7	2.5	50	125	250	TLV-TWA, UK OEL-STEL, rat oral TDLo, IDLH
3317	Xylidine, o-; (2,3-Xylidine)	87-59-2	2.5	50	50	250	TLV-TWA, UK-STEL, TEEL-3/5, IDLH
3318	Xylylene dichloride	28347-13-9	0.4	1.25	2	75	LOC, rat 240 min LC50
3319	Yeast extract	8013-01-2	15	50	400	500	
3320	Ytterbium fluoride	13760-80-0	10.1	10.1	10.1	500	TLV-TWA, TEEL-0, TEEL-0, IDLH
3321	Ytterbium oxide	1314-37-0	10	30	50	250	Used PNOS default
3322	Yttrium	7440-65-5	1	3	5	500	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
3323	Yttrium chloride, hexahydrate	10025-94-2	3.41	10.2	500	500	PEL-TWA, TEEL-0*3, rat oral TDLo, IDLH
3324	Yttrium oxide	11130-29-3	1.18	3.54	150	500	PEL-TWA, TEEL-0*3, rat TClo, IDLH
3325	Yttrium trioxide	1314-36-9	1.27	3.81	40	500	PEL-TWA, TEEL-0*3, rat TClo, IDLH

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3326	Zeolites, CaA	68989-20-8	7.5	25	150	500	Estimated rat oral LD50 from HHR
3327	Zeolites, KA	68989-21-9	10	30	50	250	Used PNOS default
3328	Zeolites, NaA	68989-22-0	6	15	125	500	PAC-1/3, TEEL-2/7, rat TCLo, TEEL-2 * 5
3329	Zeolites, NaX	68989-23-1	10	30	50	250	Used PNOS default
3330	Zinc	7440-66-6	1	3	20	500	TEEL-1/3, TEEL-2/7, human 50 min TCLo, mouse oral LDLo
3331	Zinc acetate	557-34-6	0.3	0.75	6	500	
3332	Zinc acetate dihydrate	5970-45-6	25	75	350	350	
3333	Zinc bromide	7699-45-8	2	6	40	200	
3334	Zinc carbonate	3486-35-9	5	15	100	500	
3335	Zinc carbonate hydroxide	5263-02-5	10	30	50	250	Used PNOS default
3336	Zinc chloride	7646-85-7	1	2	50	50	PEL-TWA, TLV-STEL, human TClo, IDLH
3337	Zinc cyanide	557-21-1	22.6	22.6	22.6	113	as CN, PEL-TWA, IDLH
3338	Zinc fluoride	7783-49-5	6.8	20	125	500	PEL-TWA, TEEL-2/7, TEEL-3/5, IDLH exceeds 500 mg/m ³ max
3339	Zinc hydroxide	20427-58-1	0.6	0.6	1.5	60	SAR
3340	Zinc nitrate	7779-88-6	1	3	20	100	TEEL-1/3, TEEL-2/7, TEEL-3/5, male rat oral LD50
3341	Zinc nitrate hexahydrate	10196-18-6	5	15	100	500	TEEL-1/3, TEEL-2/7, TEEL-3/5, rat oral LD50
3342	Zinc nitrite	10102-02-0	0.035	0.075	0.6	60	SAR

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3343	Zinc oxide	1314-13-2	5	10	15	500	PEL-TWA, TLV-STEL, REL-C, IDLH
3344	Zinc perchlorate	13637-61-1	10	30	50	250	Used PNOS default
3345	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	0.6	2	15	500	
3346	Zinc phosphate (3:2)	7779-90-0	2	6	50	250	
3347	Zinc phosphide	1314-84-7	0.5	1.5	10.5	19	PAC-1/3, PAC-2/7, AEGL-2, AEGL-3
3348	Zinc stearate	557-05-1	15	30	50	150	
3349	Zinc sulfate	7733-02-0	0.15	0.5	3.5	500	
3350	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	100	200	200	200	TEEL1/3, TEEL-3, TEEL-3, human unknown LDLo
3351	Zirconium	7440-67-7	5	10	25	25	TLV-TWA, TLV-STEL, TCLo, IDLH
3352	Zirconium boride	12045-64-6	6.19	12.4	30.9	30.9	Zr PEL-TWA, TLV-STEL, TEEL-3, IDLH
3353	Zirconium carbide	12070-14-3	6.32	12.6	12.6	31.6	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3354	Zirconium chloride	10026-11-6	12.8	25.5	25.5	63.9	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3355	Zirconium chloride oxide octahydrate	13520-92-8	17.7	35.3	35.3	88.3	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3356	Zirconium fluoride	7783-64-4	22	66	110	500	F PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
3357	Zirconium hydride	7704-99-6	5.11	10.2	25.6	25.6	Zr PEL-TWA, TLV-STEL, TEEL-3, IDLH
3358	Zirconium hydroxide	14475-63-9	8.73	17.5	17.5	43.6	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3359	Zirconium nitrate	13746-89-9	18.6	37.2	37.2	93	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH

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No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3360	Zirconium nitride	25658-42-8	5.77	11.5	11.5	28.8	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3361	Zirconium nitrite	z-0088	7.52	15	15	37.6	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3362	Zirconium oxide	1314-23-4	6.75	13.5	13.5	33.8	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3363	Zirconium oxynitrate hydrate	14985-18-3	13.7	27.4	27.4	68.5	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3364	Zirconium phosphide	12037-80-8	8.4	16.8	16.8	42	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3365	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	37.3	112	186	500	F PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
3366	Zirconium silane	z-0089	8.08	16.2	16.2	40.4	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3367	Zirconium silicate; (Zirconium silicon oxide; Zircon)	10101-52-7	10.3	20.5	20.5	51.3	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3368	Zirconium sulfate tetrahydrate	7446-31-3	19.5	39	39	97.4	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3369	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	9.76	19.5	48.8	48.8	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3370	Zirconyl nitrate; (Bis(nitrato-O)oxozirconium)	13826-66-9	12.7	25.3	25.3	63.4	Zr PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3371	Zonyl fsn fluorosurfactant	65545-80-4	60	150	500	500	TEEL-1/3, TEEL-2/7, TEEL-3/5 and rat oral LD50 exceed 500 mg/m ³ max
3372	zzAcrylic latex	z-0090	10	30	50	250	Used PNOS default
3373	zzAlumination 301	z-0091	10	30	50	250	Used PNOS default
3374	zzHydranal coulomat / AG	z-0092	10	30	50	250	Used PNOS default
3375	zzHydrocarbon polymer	z-0093	10	30	50	250	Used PNOS default
3376	zzHydrocount(R), LSC cocktail	z-0094	10	30	50	250	Used PNOS default

Table 4: Protective Action Criteria (PAC) Rev 26 (mg/m³)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PAC based on AEGLs, ERPGs, or TEELs (mg/m ³)				Source of PACs TEEL-0, PAC-1, PAC-2, PAC-3
			TEEL-0	PAC-1	PAC-2	PAC-3	
3377	zzIconol(R)	z-0095	10	30	50	250	Used PNOS default
3378	zzMachine coolant 1	z-0096	10	30	50	250	Used PNOS default
3379	zzMonophase- S	z-0097	10	30	50	250	Used PNOS default
3380	zzMornar	z-0098	10	30	50	250	Used PNOS default
3381	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphosphate)	z-0099	7.5	25	37.5	250	MSDS data for mixture
3382	zzPropanol (-2) aluminum derivative	z-0101	2	6	10	50	Used PNOS default
3383	zzScintillation cocktail, Ultima Gold XR	z-0102	0.15	0.5	3	15	MSDS data for mixture
3384	zzSicapent	z-0103	10	30	50	250	Used PNOS default
3385	zzSynthetic resins	z-0104	10	30	50	250	Used PNOS default
3386	zzTotal sequestrant reagent #5	z-0105	35	40	100	500	MSDS data for mixture
3387	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106	0.04	0.125	0.75	7.5	Norepinephrine toxicity used
3388	zzWaste oil	z-0107	10	30	50	250	Used PNOS default