Table 4: Protective Action Criteria (PAC) Rev 25 based on applicable 60-minute AEGLs, ERPGs, or TEELs. Values are presented in mg/m^3.
August 2009

Table 4 is an alphabetical listing of the chemicals in the PAC data set. It provides Chemical Abstract Service Registry Numbers (CASRNs)[1], PAC values, and technical information on the source of the PAC values. Table 4 presents all values for TEEL-0, PAC-1, PAC-2, and PAC-3 in mg/m^3. The conversion of ppm to mg/m^3 is calculated assuming 25 $^{\circ}$C and 760 mm Hg.

The columns presented in Table 4 provide the following information:

Heading	Definition
No.	The ordered numbering of the chemicals as they appear in this alphabetical listing.
Chemical Name	The chemical name given to the PAC Development Team.
CASRN	The Chemical Abstract Service Registry Number for this chemical.
TEEL-0	This is the threshold concentration below which most people will experience no adverse health effects. This PAC is always based on TEEL-0 because AEGL-0 or 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 provided by the PAC development team that indicate the source of the data used to derive PAC values. Future efforts are directed at 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 CASRNs is provided at http://info.cas.org/.

Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	T-2/21, T-2/7, rat oral TDlo rat oral LD50 min
2	Acenaphthene	83-32-9	0.4	1.25	7.5	250	T-2/21, T-2/7, rat TClo, rat ip LD50
3	Acenaphthylene	208-96-8	0.06	0.2	1.5	500	T-2/21, T-2/7, rat TClo, rat ip LD50
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	T-2/21, T-2/7, rabbit oral TDlo, rat oral LD50
6	Acetanilide	103-84-4	0.4	1	7.5	50	T-2/21, T-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(ethenyloxy) 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	T-3/105, T-3/35, T-3/5, rat 60-min LC50
10	Acetic acid, lithium salt	546-89-4	12.5	35	250	500	T-3/105, T-3/35, T-3/5, mouse oral LDlo
11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	0.892	13.4	22.3	500	TLV-TWA, REL-STEL, PEL-C, IDLH
12	Acetic acid, manganese(II) salt (2:1)	638-38-0	0.63	9.45	15.7	500	TLV-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	Acetone (67-64-1) limits used

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
17	**Acetonitrile**	**75-05-8**	21.8	**21.8**	**537**	**1,120**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
18	Acetonitrile-d3	2206-26-0	20	20	600	1,250	Acetonitrile limits used
19	Acetophenone	98-86-2	10	30	50	350	TLV-TWA, T-0*3, T-0*5, rat oral LD50
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	T-3/105, T-3/35, T-3/5, mouse ip LD50
22	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	7.5	25	200	500	T-3/105, T-3/35, T-3/5, rat oral LD50
23	Acetyl chloride	75-36-5	0.0075	0.02	0.15	400	T-2/21, T-2/7, human TClo, rat oral LD50
24	Acetyl triethyl citrate	77-89-4	6	20	125	500	T-2/21, T-2/7, mouse ip TDlo, rat oral LD50
25	Acetylaminofluorene, 2-	53-96-3	6	15	125	350	T-2/21, T-2/7, rat oral TDlo, mouse oral LD50
26	Acetylaminofluorenone, 2-	3096-50-2	0.75	2.5	15	75	T-2/21, T-2/7, rat oral TDlo, T-2*5
27	Acetylene	74-86-2	125	350	2,500	6,000	PAC-2/21, 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	7.5	60	60	TLV-TWA, T-2/7, P-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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
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
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); (Sepharose)	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	0.25	0.25	10	25	PEL-TWA, TLV-TWA*5, LOC, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
47	Aldrithiol-2; (2,2'-Dithiodipyridine)	2127-03-9	10	30	50	250	Used PNOS default
48	Aliphatic Naphtha	64742-89-8	20	60	400	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
49	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
50	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	1.25	4	25	125	T-3/105, T-3/35, T-3/5, wild bird oral LD50
51	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
52	Alkanes, C4-12-	68333-81-3	1,250	1,250	1,500	4,000	TLV-TWA, P-2, REL-C, IDLH
53	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108	2	6	40	200	P-3/105, P-3/35, P-3/5, rat oral LD50
54	Alkyl benzenes (C8-C9)	z-0109	10	30	50	250	Default TLV-TWA for chemical class
55	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
56	Alkylamines	63231-48-1	10	30	50	250	Default TLV-TWA for chemical class
57	Alkylbenzene (C10-C16)	68648-87-3	75	250	500	500	T-2/21, T-2/5, rat oral TDlo, rabbit skin LDlo
58	Alkylbenzyldimethyl 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
59	Allene; (1,2-Propadiene)	463-49-0	60	200	1,250	6,000	Default LC50 based on HR
60	**Allyl alcohol**	**107-18-6**	4	**4.99**	**9.97**	**47.5**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
61	Allyl Bromide; (3-Bromopropene)	106-95-6	20	60	400	2,000	Rat LC50
62	**Allyl chloride**	**107-05-1**	3	**8.76**	**169**	**438**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
63	**Allyl chlorocarbonate**	**2937-50-0**	0.15	0.5	**3.45**	**10.3**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
64	Allyl isothiocyanate; (Mustard oil)	57-06-7	1.25	4	10	50	WEEL-STEL, Rat LD50
65	**Allylamine**	**107-11-9**	0.3	**0.98**	**7.7**	**42**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
66	Allylmagnesium bromide	1730-25-2	10	30	50	250	PNOS default used
67	**Allyltrichlorosilane**	**107-37-9**	1.5	**4.3**	**52.4**	**237**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
68	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	125	350	500	500	T-2/21, T-2/7, Rat oral TDlo and LD50
69	Alpha-hydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3	15	50	350	500	Normal Mandelic acid rat oral LD50
70	Aluminon	569-58-4	0.0004	0.00125	0.0075	500	Human male 60 day repro. TDlo, rat oral LD50
71	Aluminum	7429-90-5	5	5	500	500	PEL-TWA, TLV-TWA*3, rat LClo, 5*TEEL-2
72	Aluminum acetate, basic	7360-44-3	8.9	26.7	44.5	200	Aluminum soluble salts TLV-TWA
73	Aluminum carbide	1299-86-1	6.67	6.67	6.67	35	PEL-TWA, concentration limits for Al soluble salts
74	Aluminum chloride	7446-70-0	9.88	9.88	60	500	PEL-TWA, rat 60 day oral TDlo, rat oral LD50
75	Aluminum chloride hexahydrate	7784-13-6	17.9	25	150	500	PEL-TWA, rat oral LD50
76	Aluminum fluoride	7784-18-1	6.22	6.22	7.5	40	PEL-TWA, rat oral 28 day TDlo, rat oral LD50
77	Aluminum grey LB; (Acid black 60)	12218-95-0	8.44	25.3	42.2	422	Concentration limits for Cr III compounds
78	Aluminum hexafluorosilicate	17099-70-6	3.51	10.5	17.6	351	PEL-TWA and IDLH for fluorides

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
79	Aluminum hydroxide	21645-51-2	4	12	125	125	MAK-TWA, child 4 day oral TDlo, rat ip LDlo
80	Aluminum oxide hydrate	1333-84-2	1.5	1.5	15	25	Alumina concentration limits
81	Aluminum oxide; (Alumina)	1344-28-1	1.5	1.5	15	25	TEEL-1, REL-STEL, EEGL-60 min, EEGL-30 min
82	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7	22.6	100	500	500	PEL-TWA, rat oral LDlo
83	**Aluminum phosphide**	**20859-73-8**	2	2	**4.74**	**8.53**	PEL-TWA, TEEL-0, **AEGL-2, AEGL-3**
84	Aluminum potassium sulfate	10043-67-1	47.8	47.8	47.8	100	PEL-TWA, TEEL-0, TEEL-0, TEEL-2*5
85	Aluminum potassium sulfate, dodecahydrate	7784-24-9	87.9	87.9	125	500	PEL-TWA, TEEL-0, rat oral TDlo, TEEL-2*5
86	Aluminum sulfate	10043-01-3	31.7	31.7	31.7	500	PEL-TWA, TEEL-0, TEEL-0, mouse oral LD50
87	Aluminum tris(dihydrogen phosphate); (Phosphoric acid, aluminum salt (3:1)	13530-50-2	59.5	59.5	60	300	PEL-TWATEEL-0, TEEL-0, TEEL-2*5
88	Aluminum yellow 4A; (Acid yellow 99)	10343-58-5	4.97	14.9	25	249	Concentration limits for Cr III compounds.
89	Aluminum(III) isopropylate	555-31-7	37.9	37.9	37.9	500	PEL-TWA, TEEL-0, TEEL-0, rat oral LD50
90	Aluminum(III) nitrate (1:3)	13473-90-0	39.5	50	350	500	PEL-TWA, TEEL-3/35, TEEL-3/5, rat oral LD50
91	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	69.5	69.5	150	500	PEL-TWA, rat oral LD50
92	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	15	15	75	400	PEL-TWA
93	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
94	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
95	Amberlite IRA-400(Cl); (Amberlite IRA-400, ion-exchange resin)	9002-24-8	10	30	50	250	Used PNOS default
96	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8	10	30	50	250	Used PNOS default
97	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
98	Amberlite XAD-16 resin	104219-63-8	20	60	400	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
99	Amberlite XAD-2 resin, purified	9060-05-3	10	30	50	250	PNOS TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
100	Amberlite XAD-7HP	37380-43-1	10	30	50	250	PNOS TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
101	Amberlyst 15 ion-exchange resin	9037-24-5	10	30	50	250	PNOS TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
102	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	3.5	10	75	400	Mouse 8W ip TDlo
103	Amino-1-propanol, 3-	156-87-6	0.015	0.04	0.3	500	Rat oral LD50
104	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	25	75	500	500	Rat oral LD50
105	Amino-2-methyl-2-propanol, 1-	2854-16-2	10	30	200	500	Mouse oral LD50
106	Amino-4,6-dinitrotoluene, 2-	35572-78-2	6	15	125	500	Rat oral LD50
107	Aminoacetaldehyde diethyl acetal; (2,2-Diethoxyethylamine)	645-36-3	7.5	25	150	500	Estimated rat oral LD50
108	Aminoacetaldehyde dimethyl acetal; (2,2-Dimethoxyethylamine)	22483-09-6	10	30	50	250	PNOS default used
109	Aminoanthraquinone, 2-	117-79-3	7.5	25	150	500	Rat 78W ip TDlo, rat ip LD50
110	Aminobenzoic acid, p-	150-13-0	5	15	100	500	WEEL-TWA, Rat 22 day TDlo preg, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
111	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	2	6	45	45	TEEL-2/21, TEEL-2/7, LOC, TEEL-2
112	Aminodiphenyl, p-	92-67-1	0.5	1.5	10	200	Rat 48W oral TDlo, rat oral LD50
113	Aminoethoxy)ethanol, 2(2-	929-06-6	12.5	35	250	500	Rat oral LD50
114	Aminoethyl)diphenylborinic acid, o-(2-; (Diphenylboronic acid)	524-95-8	0.4	1.25	10	50	Mouse iv LD50
115	Aminoethylethanolamine	111-41-1	12.5	35	250	500	Rat oral LD50
116	Aminoethylpiperazine, N-	140-31-8	2.5	7.5	50	500	Rat male 28D pre TDlo, rat oral LD50
117	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	0.3	0.75	6	30	Mouse ip LD50
118	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	10	30	50	250	Used PNOS default
119	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	0.5	1.5	10	500	Ham ip TDlo, rat oral LD50
120	Aminophenol, m-	591-27-5	1	3	20	125	Rat 17 week TClo, rat oral LD50
121	Aminopropiophenone, 4-	70-69-9	1	3.5	5.6	75	LOC, rat oral LD50
122	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	15	50	400	500	Rat oral LD50
123	Aminopropyltriethoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	6	15	125	500	Rat TClo, rat LD50
124	Aminopterin; (Aminopteridine)	54-62-6	5	15	25	25	LOC, mouse oral LD50
125	Aminopyrazine	5049-61-6	2	6	10	20	**SAR**
126	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	4	12.5	20	20	LOC, human LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
127	Amiton oxalate	3734-97-2	0.6	1.5	3	3	LOC, rat oral LD50
128	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
129	Amitrole	61-82-5	0.2	0.6	125	500	TLV-TWA, TEEL-0*3, mouse oral TDlo, rat oral LD50
130	**Ammonia**	**7664-41-7**	15	**20.9**	**111**	**766**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
131	Ammonia-d3	13550-49-7	20	25	125	750	Used Ammonia PELs
132	Ammonium acetate	631-61-8	2.5	7.5	50	250	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat ip LD50
133	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	4.28	12.5	75	428	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
134	Ammonium benzoate	1863-63-4	3.5	10	75	350	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
135	Ammonium bicarbonate	1066-33-7	2	6	40	200	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse iv LD50
136	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
137	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	10	30	50	250	Used PNOS default
138	Ammonium bromide	12124-97-9	10	35	200	500	Rat oral LD50
139	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	0.3	1	6	35	Rat iv LD50
140	Ammonium carbonate	506-87-6	0.75	2.5	15	75	Mouse iv LD50
141	Ammonium chloride	12125-02-9	10	20	500	500	TLV-TWA & STEL, rat oral LD50
142	Ammonium chromate	7788-98-9	0.0146	1.25	7.5	43.9	Cr(VI) concentration limits

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
143	Ammonium citrate	7632-50-0	1.25	4	30	150	T-3/105, T-3/35, T-3/5, rat oral LD50
144	Ammonium citrate tribasic	3458-72-8	1.5	5	35	185	PAC based on ammonium citrate
145	Ammonium citrate, dibasic	3012-65-5	2	6	40	200	PAC based on ammonium citrate
146	Ammonium dichromate	7789-09-5	0.0121	1	7.5	36.4	Cr(VI) concentration limits
147	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	15	50	350	500	Rat oral LD50, based on other ammonium phosphates
148	Ammonium ferrous sulfate hexahydrate	7783-85-9	3.19	9.56	15.9	500	Fe concentration limits, rat oral LD50
149	Ammonium fluoborate	13826-83-0	3.45	3.45	6	345	F TLV-TWA, human TClo and LClo, IDLH
150	Ammonium fluoride	12125-01-8	4.88	4.88	4.88	488	F TLV-TWA, , rat TClo, IDLH
151	Ammonium formate	540-69-2	7.5	25	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse oral LD50
152	Ammonium hexachlorohydrate (III)	z-0001	10	30	50	250	Used PNOS default
153	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	3.91	11.7	20	391	F concentration limits, IDLH
154	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	3.75	10	75	375	PEL-TWA, T-3/35, T-3/5, IDLH
155	Ammonium hydrogen oxalate hemihydrate	37541-72-3	7.5	25	150	500	Estimated rat oral LD50
156	Ammonium hydroxide	1336-21-6	2.5	7.5	60	150	TEEL-2/21, TEEL-2/7, human TClo, human oral LClo
157	Ammonium iodide	12027-06-4	4	12.5	75	400	Human oral LDlo ex HSDB
158	Ammonium lactate	515-98-0	10	35	200	500	PAC-2/21, PAC-2/7, cattle oral TDlo, PAC-2*5

Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
159	Ammonium lignin sulfonate	8061-53-8	10	30	50	250	Used PNOS default
160	Ammonium molybdate(VI) tetrahydrate	12054-85-2	6.07	18.2	30.3	150	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
161	Ammonium molybdate; (Diammonium molybdate)	13106-76-8	30.7	61.3	102	300	PEL-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
162	Ammonium molybdophosphate	12026-66-3	24.4	48.9	81.5	400	Mo TLV-TWA; IDLH not used
163	Ammonium nickel sulfate	15699-18-0	4.89	4.89	5	48.9	PEL-TWA, TEEL-0, TEEL-0, IDLH
164	Ammonium nitrate	6484-52-2	0.015	0.04	0.3	500	PAC-2/21, PAC-2/7, rat oral TDlo, rat oral LD50
165	Ammonium oxalate monohydrate	5972-73-6	1.5	4	30	150	Rat oral LD50
166	Ammonium oxalate; (Diammonium oxalate monohydrate)	6009-70-7	1.5	4	30	150	Rat oral LD50
167	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	0.15	0.5	4	20	Rat oral TDlo
168	Ammonium pentaborate	12007-89-5	10	30	50	250	Used PNOS default
169	Ammonium perchlorate	7790-98-9	5	15	100	500	TEEL-2/21, TEEL-2/7, rabbit oral TDlo, rat oral LD50
170	Ammonium permanganate	13446-10-1	0.2	3	5	500	TLV-TWA, REL-STEL, PEL-C, IDLH
171	Ammonium persulfate	7727-54-0	0.1	2.5	20	100	TLV-TWA, rat ip LD50
172	Ammonium phosphate dibasic	7783-28-0	10	30	50	250	Used PNOS default
173	Ammonium picrate	131-74-8	10	30	50	250	Used PNOS default
174	Ammonium polyacrylate	9003-03-6	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
175	Ammonium sulfamate	7773-06-0	15	30	350	500	PEL-TWA, TLV-TWA-0*3, rat oral TDlo, IDLH
176	Ammonium sulfate	7783-20-2	40	125	500	500	Human oral TDlo, rat oral LD50
177	Ammonium sulfide	12135-76-1	7.5	25	40	40	Human 30 min TClo, human 30 min LClo
178	Ammonium sulfite	10196-04-0	10	10	10	10	Used PNOS default
179	Ammonium sulfite monohydrate	7783-11-1	10	30	50	250	PNOS default used, irritation ignored
180	Ammonium tartrate; (Butanedioic acid, 2,3-dihydroxy-(2R,3R)-. Ammonium salt)	14307-43-8	10	30	50	250	Used PNOS default
181	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	1.5	5	40	200	T-3/105, T-3/35, T-3/5, rabbit subcutaneous LD50
182	Ammonium thiocyanate	1762-95-4	12.5	35	200	200	Human oral TDlo, mouse oral LD50
183	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
184	Ammonium tungstate(VI)	11120-25-5	1.38	4.14	4.14	4.14	TLV-TWA, TLV-STEL
185	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	0.0322	0.04	0.322	0.75	As vanadium pentoxide, TLV-TWA and PEL-C, rat 240 min LC50
186	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	0.035	0.1	0.75	150	Mouse ip TDlo, rat oral LD50
187	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
188	Ammonium, tetramethyl, bromide; (Tetramethylammonium bromide)	64-20-0	0.2	0.6	4	20	Rat oral LD50
189	Amosite	12172-73-5	0.005	0.05	20	100	PEL-TWA, PEL-STEL, rat TClo, TEEL-2*5
190	Amphetamine; (Benzedrine)	300-62-9	4	12.5	20	20	LOC, human LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
191	Amyl acetate	628-63-7	500	500	500	5,000	PEL-TWA, TLV-STEL, human LClo, IDLH
192	Amyl alcohol; (1-Pentanol)	71-41-0	75	75	75	125	MAK-TWA, TEEL-0, human T+H208Clo, human oral LDlo
193	Amyl methyl ether, tert-; (TAME)	994-05-8	75	600	600	600	TLV-TWA, rat 360 min LClo preg, rat LD50 minimum
194	Amylamine, n-; (1-Pentylamine)	110-58-7	0.3	0.75	6	30	Rat ip LDlo
195	**Amyltrichlorosilane; (Pentyltrichlorosilane)**	**107-72-2**	1.5	**5.04**	**61.3**	**277**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
196	Anhydrone; (Magnesium perchlorate)	10034-81-8	6	15	125	500	Rat oral LD50
197	**Aniline**	**62-53-3**	20	**30.5**	**45.7**	**76.1**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
198	Anisidine, o-	90-04-0	0.5	1.5	2.5	50	PEL-TWA, IDLH
199	Anisidine, p-	104-94-9	0.5	1.5	2.5	50	PEL-TWA, IDLH
200	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	4	12.5	75	400	Mouse 120 min LC50
201	Anthracene	120-12-7	1.5	4	30	150	Rat oral TDlo, mouse ip LD50
202	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
203	Anthranilic acid	118-92-3	4	12.5	100	500	Mouse preg sc TDlo, rat oral LD50
204	Anthraquinone	84-65-1	5	15	100	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 240 min LC50
205	Antimony	7440-36-0	0.5	1.5	20	50	PEL-TWA, TEEL-0*3, human TClo, IDLH
206	Antimony oxide	1309-64-4	0.599	1.8	4	59.9	As Sb, PEL-TWA, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
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	0.937	0.937	93.7	As Sb, PEL-TWA, 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 antioxident)	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 HNO3 concentration limits
216	Arginine, L-	74-79-3	10	30	50	250	Used PNOS default
217	Argon	7440-37-1a	1.00E+05	1.00E+05	3.50E+05	6.00E+05	Simple asphyxiant
218	Argon, cryogenic	7440-37-1b	1.00E+05	1.00E+05	3.50E+05	6.00E+05	Simple asphyxiant
219	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic)	64742-95-6	2,000	3,500	3,500	3,500	TEEL-2/21, TEEL-2/7mouse TClo, rat oral LD50
220	Aromatic isocyanate mixture "SWD 305A"	z-0111	1.25	4	20	125	Calculated from mixture ingredients
221	Arsenic	7440-38-2	0.01	0.35	2	5	PEL-TWA, PAC-2/7, child oral TDlo, IDLH
222	Arsenic acid	1327-52-2	0.0189	0.4	3	9.5	PEL-TWA, IDLH, as As

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
223	Arsenic acid; (o-Arsenic acid)	7778-39-4	0.0189	0.4	3	9.5	PEL-TWA, IDLH, as As
224	Arsenic pentoxide	1303-28-2	0.0153	1	7.7	7.7	PEL-TWA, IDLH, as As, LOC
225	**Arsenic trioxide**	**1327-53-3**	0.0132	0.4	**3.0**	**9.1**	PEL-TWA, PAC-2/7, **AEGL-2, AEGL-3**
226	Arsenous acid	13464-58-9	0.0168	0.25	1.5	8.4	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH.
227	Arsenous trichloride	7784-34-1	0.15	1.5	10	75	PEL-TWA, TEEL-2/7, LOC, IDLH
228	**Arsine**	**7784-42-1**	0.15	0.15	**0.542**	**1.59**	PEL-TWA, PEL-TWA, **AEGL-2, AEGL-3**
229	Asbestos	1332-21-4	0.005	0.05	0.06	0.3	PEL-TWA, PEL-STEL, PAC-1, TEEL-2*5
230	Asbestos (Chrysotile)	12001-29-5	0.005	0.05	250	250	PEL-TWA, PEL-STEL, TEEL-3, rat ip LDlo
231	Ascaridole	512-85-6	0.75	2.5	20	75	Mouse skin TDlo, rat oral LD50
232	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
233	Ascorbic acid	50-81-7	60	200	500	500	TEEL-2/5, TEEL-2*3/5, human iv TDlo, woman iv LDlo
234	Asphalt; (Bitumen)	8052-42-4a	0.5	0.75	5	25	TLV-TWA, TEEL-2/7, REL-C, TEEL-2*5
235	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
236	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
237	Azinphos ethyl; (Ethyl guthion)	2642-71-9	0.75	2	3.9	150	TEEL-2/21, TEEL-2/7, LOC, rat 240 min LC50
238	Azinphos methyl; (Guthion)	86-50-0	0.2	0.6	0.7	10	PEL-TWA, TEEL-0*3, LOC, rat 60 min LC50

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
239	Aziridine homopolymer; (Ethylenimine homopolymer; Poly(ethyleneimine)	9002-98-6	5	15	100	500	Rat oral LD50
240	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
241	Azodicarbamide; (Azodicarbonamide)	123-77-3	40	125	200	200	TEEL-2/21, TEEL-2/7, rat TClo, rat ip LD50
242	Bacto peptone	51142-18-8	10	30	50	250	Used PNOS default
243	Barbituric acid	67-52-7	2	6	40	200	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse ip LD50
244	Barium	7440-39-3	0.5	1.5	50	50	PEL-TWA, TEEL-0*3, TEEL-3/5, rat oral TDlo
245	Barium acetate; (Barium acetate anhydrous)	543-80-6	0.93	2.79	4.65	93	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
246	Barium carbonate	513-77-9	0.5	1.5	6	50	TEEL-2/21, TEEL-2/7, human oral TDlo, human oral LDlo
247	Barium chloride	10361-37-2	0.5	1.5	15	50	PEL-TWA, TEEL-0*3, TEEL-3/5, IDLH
248	Barium chloride dihydrate	10326-27-9	0.889	2.67	4.45	88.9	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
249	Barium chromate	10294-40-3	0.0246	0.737	1.25	73.7	As Cr(VI) PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
250	Barium cyanide	542-62-1	0.69	2.07	3.5	69	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
251	Barium dioxide; (Barium peroxide)	1304-29-6	0.617	1.5	12.5	61.7	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
252	Barium diphenylamine sulfonate	6211-24-1	2.31	6.92	11.5	231	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
253	Barium fluoride	7787-32-8	0.638	1.92	63.8	63.8	PEL-TWA, TEEL-0*3, mouse TClo, IDLH
254	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

Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
255	Barium hydroxide	17194-00-2	0.624	1.87	3.12	62.4	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
256	Barium hydroxide octahydrate	12230-71-6	1.15	3	20	115	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
257	Barium metaborate	13701-59-2	10	30	200	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, TEEL-2*5
258	Barium nitrate	10022-31-8	0.952	2.5	20	95.2	Ba sol compounds as Ba: PEL-TWA, IDLH
259	Barium nitrite	13465-94-6	0.835	2.5	4.17	83.5	Ba sol compounds as Ba: PEL-TWA, IDLH
260	Barium oxide	1304-28-5	0.558	1.67	2.79	55.8	Ba sol compounds as Ba: PEL-TWA, IDLH
261	Barium permanganate	7787-36-2	1.37	20.5	34.1	34.1	As Mn PEL-TWA, human oral LD50
262	Barium phosphate	13466-20-1	60	150	300	500	TEEL-3/25, TEEL-3*3/25, TEEL-3/5, IDLH
263	Barium stearate	6865-35-6	10	30	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
264	Barium sulfate	7727-43-7	15	30	350	500	PEL-TWA, TEEL-3/35, TEEL-3/5, rat implant TDlo
265	Basic Green 4; (Aizen malachite green)	569-64-2	0.35	1	6	35	Mouse oral LD50
266	Basic Red 1; (Rhodamine 6G extra base)	989-38-8	0.025	0.075	0.6	2.5	Mouse ip TDlo, mouse ip LD50
267	Bathophenanthroline	1662-01-7	75	250	500	500	Rat oral LD50 based on assumed HHR = 1
268	Bentonite; (Clay absorbent)	1302-78-9	10	30	30	30	TEEL-2/21, TEEL-2/7, TEEL-3, rat iv LD50
269	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
270	Benzal chloride	98-87-3	0.4	1.25	2.3	75	TEEL-2/21, TEEL-2/7, LOC, rat 120 min LC50

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
271	Benzaldehyde	100-52-7	7.5	15	15	600	WEEL-TWA, -STEL, human TClo, human LDlo
272	Benzamide	55-21-0	3	10	60	350	Rat ip LD50
273	Benzenamine, sulfate (2:1)	542-16-5	10	30	50	250	Used PNOS default
274	**Benzene**	**71-43-2**	3	**166**	**2,550**	**12,800**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
275	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	0.15	0.5	4	300	PAC-2/21, Pac-2/7, human LClo, rat 240 min LC50
276	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
277	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	0.27	0.27	0.27	0.27	PEL-TWA as As, T-2, LOC, mouse oral LD50
278	Benzene-d6; (Deuterated benzene)	1076-43-3	3.5	150	2,500	12,500	Benzene concentration limits used
279	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	40	125	200	200	TEEL-2/5, TEEL-2*3/5, LOC, rat 60 min LClo
280	Benzenesulfonic acid, 4-chloro	98-66-8	2	6	40	200	Rat oral LD50 minimum
281	Benzenesulfonic acid, 5-chloro-2	z-0114	2	6	50	200	Used isomer (96-66-8) data
282	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	1.5	5	15	15	Rat oral 30 day TDlo, rat 240 min LClo
283	**Benzenethiol; (Thiophenol; Phenyl mercaptan)**	**108-98-5**	0.4	0.4	**2.39**	**7.21**	TLV-TWA, TEEL-0, **AEGL-2, AEGL-3**
284	Benzidene	92-87-5	0.15	0.5	3.5	125	Human TClo, rat oral LD50
285	Benzo(a)anthracene	56-55-3	0.2	0.6	4	15	TEEL-2/21, TEEL-2/7, mouse oral TDlo, mouse iv LDlo
286	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	0.2	0.6	15	80	PEL-TWA, TEEL-0*3, pregnant rat ip TDlo, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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(ghi)perylene	191-24-2	10	30	50	250	Used PNOS default
288	Benzo(k)fluoranthene	207-08-9	0.2	0.6	4	20	Rat implant TDlo
289	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
290	Benzoic acid	65-85-0	4	12.5	75	400	Human oral LDlo
291	Benzoic acid, sodium salt	532-32-1	100	350	500	500	Rat oral TDlo, rat oral LD50
292	Benzoin oxime	441-38-3	0.6	1.5	12.5	60	Mouse ip LD50
293	**Benzonitrile**	**100-47-0**	4	12.5	**92.7**	**236**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
294	Benzophenone	119-61-9	0.5	1.5	350	500	WEEL-TWA, rat oral TDlo, mouse oral LD50
295	Benzoquinone, p-; (Quinone)	106-51-4	0.4	1.25	20	100	PEL-TWA, TEEL-0*3, mouse oral TDlo, IDLH
296	Benzothiazole	95-16-9	5	15	100	150	Rat oral TDlo, rat oral LD50
297	Benzotriazole	95-14-7	0.025	0.075	0.5	250	Rat oral 26 week TDlo, rat oral LD50
298	Benzotrifluoride	98-08-8	6.41	15	125	500	As fluoride, PEL-TWA, TEEL-0*3, TEEL-3/5, IDLH
299	**Benzoyl chloride**	**98-88-4**	0.5	**1.7**	**28.8**	**115**	PAC-1/3, **ERPG-1, ERPG-2, ERPG-3**
300	Benzoyl peroxide	94-36-0	5	5	5	500	PEL-TWA, IDLH, mouse skin TDlo
301	Benzyl acetate	140-11-4	60	60	60	150	TLV-TWA, TEEL-0, TEEL-0, cat 480 min LC50
302	Benzyl alcohol	100-51-6	40	250	600	600	WEEL-TWA, TEEL-2/7, TEEL-3, rat 480 min LClo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
303	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	5	15	100	500	Rat TDlo, rat LC50, 240 min assumed
304	Benzyl benzoate	120-51-4	12.5	35	250	500	Rabbit 13 week skin TDlo, rat oral LD50
305	**Benzyl chloride**	**100-44-7**	5.2	**5.2**	**53**	**260**	PEL-TWA, **ERPG-1, ERPG-2, ERPG-3**
306	**Benzyl chloroformate; (Carbobenzoxy chloride)**	**501-53-1**	0.3	1	**6.76**	**20.2**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
307	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	0.2	0.6	4.3	30	TEEL-2/21, TEEL-2/7, LOC, rat 120 min LC50
308	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	0.35	1	7	10	PAC-2/21, PAC-2/7, adjusted LOC, rat 120 min LC50
309	Benzylamine	100-46-9	2.5	7.5	50	250	Mouse ip LD50
310	Benzyldimethylamine; (Dimethylbenzylamine, N,N-; BDMA)	103-83-3	1	3	20	200	Rat TClo, rat 120 min LC50
311	Benzyldimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	5	15	100	500	Rat oral LD50
312	Benzylmagnesium chloride	6921-34-2	1.5	5	35	150	Assumed HHR = 3, used default rat oral LD50
313	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	0.1	0.35	2.5	12.5	Mouse subcutaneous LDlo
314	**Beryllium**	**7440-41-7**	0.002	0.0035	**0.025**	**0.1**	PEL-TWA, PAC-2/7, **ERPG-2, ERPG-3**
315	Beryllium chloride	7787-47-5	0.0177	0.0177	0.0443	35.5	PEL-TWA, TEEL-2/7, PEL-C, IDLH, as Be
316	Beryllium fluoride	7787-49-7	0.0104	0.0104	0.0261	20.9	PEL-TWA, TEEL-2/7, PEL-C, IDLH, as Be
317	Beryllium hydroxide	13327-32-7	0.00955	0.035	0.239	19.1	PEL-TWA, TEEL-2/7, PEL-C, IDLH, as Be
318	Beryllium nitrate	13597-99-4	0.0295	1	7.38	59	PEL-TWA, TEEL-2/7, PEL-C, IDLH, as Be

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	Beryllium oxide	1304-56-9	0.00555	0.2	1.39	11.1	PEL-TWA, TEEL-2/7, PEL-C, IDLH, as Be
320	Betaine, anhydrous; (Glycine betaine)	107-43-7	40	125	500	500	Rat ip TDlo, mouse subcutaneous LD50
321	Bicyclo(2.2.1)heptane-2-carbonitrile, 5-chloro-6-((((methylamino)carbonyl)oxy)imino)-, (1S-(1-alpha,2-beta,4-alpha,5-alpha,6E))-; (Tranid)	15271-41-7	3.5	10	19	19	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
322	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
323	Biphenylol, 4-	92-69-3	10	35	60	60	Mouse sc TDlo, mouse oral LD50
324	Biphenylol, sodium salt, 2-	132-27-4	2.5	7.5	60	300	Pregnant mouse oral TDlo, rat oral LD50
325	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
326	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, women oral TDlo, rat oral LD50
327	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
328	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	5	15	100	500	Rat 240 min LClo
329	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	30	100	500	500	Rat oral TDlo, rat oral LD50
330	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	50	150	1,000	1,500	Mouse oral TDlo, rat oral LD50
331	Bis(2-chlorethylthioethyl) ether; (2,2'-Di(3-chloroethylthio)diethyl ether)	63918-89-8	0.3	0.75	6	30	Human 60 min LClo
332	Bis(2-Chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	1	3	20	100	Rat oral LD50
333	**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**
334	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8	0.06	0.15	1.25	6	Human LClo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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)methane	63869-13-6	0.05	0.15	1	5	Human LClo estimated by comparison with Sesquimustard, 3563-36-8
336	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
337	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
338	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
339	Bis(2-chloroethylthiomethyl)ether	63918-90-1	0.06	0.15	1.25	6	Human LClo estimated by comparison with Sesquimustard, 3563-36-8
340	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	75	250	500	500	Pregnant mouse TDlo, rat oral LD50
341	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	0.02	0.06	0.4	2	Rat oral LD50
342	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	0.075	0.2	1.5	7.5	Rat 240 min LClo
343	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	0.04	0.125	1	1,000	Rat oral TDlo, rat oral LD50
344	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	10	30	50	250	Used PNOS default
345	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
346	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
347	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
348	Bis(Dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	0.4	1.25	7.5	40	Mouse sc LD50
349	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 Fl
350	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
351	Bis[(benzo-15-crown-5)-15-ylmethyl] pimelate	69271-98-3	10	30	50	250	Used PNOS default
352	Bisbutenylenetetrahydrofurfural; (2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	10	30	200	500	Rat oral LD50
353	Bismuth	7440-69-9	1.5	5	40	200	Human LDlo
354	Bismuth acetate	22306-37-2	10	30	50	250	Used PNOS default
355	Bismuth germanate	12233-73-7	1.5	5	40	200	Human LDlo
356	Bismuth hydroxide	10361-43-0	1	1	3	100	**SAR**
357	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
358	Bismuth iodide	7787-64-6	1.5	5	35	150	Estimated rat oral LD50
359	Bismuth nitrate	10361-44-1	1.25	4	25	500	Rat intratracheal TDlo, mouse intraperitoneal LDlo
360	Bismuth oxide	1304-76-3	20	60	400	500	Rat oral LD50
361	Bismuth oxychloride; (Bismuth chloride oxide)	7787-59-9	75	250	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
362	Bismuth(III) nitrate, pentahydrate	10035-06-0	2	6	40	500	Rat 240 min TClo, rat oral LD50
363	Bisphenol A	80-05-7	5	15	100	500	MAK-TWA, TEEL-0*3, female rat ip nTDlo, rat oral LD50
364	Bisphenol A diglycidyl ether	1675-54-3	1.25	3.5	6	6	Mouse skin TDlo, rat oral LD50
365	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	4	12.5	20	20	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
366	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b)	z-0110	10	30	50	250	PNOS default used

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
367	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	0.35	1	6	35	Rabbit skin LDlo
368	Borane-tetrahydrofuran	14044-65-6	5	15	25	125	PAC based on boron organic compound toxicity range
369	Borate	14213-97-9	2	6	10	50	TLV-TWA, TLV-STEL, TEEL-0*5, TEEL-0*25
370	Boric acid	10043-35-3	2	6	100	125	TLV-TWA, TLV-STEL, human TDlo, human LDlo
371	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	7.5	25	150	750	Mouse oral LD50
372	Boron	7440-42-8	2.5	7.5	50	250	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
373	Boron carbide	12069-32-8	40	125	500	500	TEEL-2/21, TEEL-2/7, rat LClo, PAC-2
374	Boron nitride	10043-11-5	400	500	500	500	Rat LDlo minimum
375	Boron oxide	1303-86-2	15	30	300	500	PEL-TWA, TLV-TWA*3, rat TClo, IDLH
376	**Boron tribromide**	**10294-33-4**	1	**3.38**	**74.8**	**410**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
377	Boron trichloride	10294-34-5	0.5	1.5	10	12.5	TEEL-2/21, TEEL-2/7, LOC, rat 420 min LClo
378	**Boron trifluoride**	**7637-07-2**	0.75	**2.5**	**37**	**110**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
379	Boron trifluoride etherate	109-63-7	9.34	25	150	500	Fluoride concentration limits
380	**Boron trifluoride-dimethyl ether**	**353-42-4**	0.75	**2.5**	**37**	**110**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
381	Botulinum toxin-A	93384-43-1	1.5E-09	4E-09	0.00000003	0.00003	PAC-2/5, PAC-2*3/5, human subcutaneous TDlo, mouse LD50
382	Botulinum toxin-B	93384-44-2	4E-06	0.0000125	0.000015	0.000015	PAC-2/5, PAC-2*3/5, human intramuscular TDlo, mouse intraperitoneal 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
383	Botulinum toxin-F	z-0118	7.5E-08	0.0000002	0.0000015	0.00001	PAC-2/5, PAC-2*3/5, mouse intramuscular TDlo, mouse intraperitoneal LD50
384	Botulinum, clostridium	z-0119	6E-09	0.000000015	1.25E-07	6E-07	PAC-3/105, PAC-3/35, PAC-3/5, mouse intravenous LD50
385	Brij-35; (alpha-Dodecyl-omega-hydroxypolyoxy-ethylene)	9002-92-0	0.15	0.5	3.5	400	PAC-2/21, PAC-2/7, rat intratracheal TDlo, rat oral LD50
386	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 iv LDlo
387	Bromadiolone	28772-56-7	0.2	0.6	1	1	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
388	**Bromine**	**7726-95-6**	0.216	**0.216**	**1.57**	**55.5**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
389	**Bromine chloride**	**13863-41-7**	0.75	**2.36**	**11.8**	**35.8**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
390	**Bromine pentafluoride**	**7789-30-2**	0.75	1	**7.15**	**236**	TLV-TWA, PAC-2/7, **AEGL-2, AEGL-3**
391	**Bromine trifluoride**	**7787-71-5**	0.2	**0.671**	**11.2**	**118**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
392	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 LDlo
393	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	2.5	7.5	50	250	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
394	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 LC50
395	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3-chloro-5,5-dimethyl-2,4-imidazoleidione)	16079-88-2	6	15	125	500	Rat oral LD50
396	Bromo-3-methylbutane, 1-	107-82-4	25	75	500	2,500	Rat ip LD50
397	Bromoacetaldehyde diethyl acetal	2032-35-1	7.5	25	150	500	Rat oral LD50 estimated from HHR

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
398	Bromoacetic acid	79-08-3	0.04	0.125	0.75	4	Rat 30 min LClo
399	Bromoacetone	598-31-2	0.4	1.25	7.5	40	TEEL-3/105, TEEL-3/35, TEEL-3/5, human LClo
400	Bromoanisole, 3-; (1-Bromo-3-methoxybenzene)	2398-37-0	10	30	50	250	PNOS default used
401	Bromobenzene; (Phenyl bromide)	108-86-1	6	15	125	2,000	TEEL-2/21, TEEL-2/7, mouse intraperitoneal TDlo, rat 240 min LC50
402	Bromochlorobenzene, m-	108-37-2	10	30	50	250	Used PNOS default
403	Bromochlorobenzene, p-	106-39-8	10	30	50	250	Used PNOS default
404	Bromochloromethane	74-97-5	1,000	3,000	10,000	10,000	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
405	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
406	Bromocresol purple; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-6-methyl-])	115-40-2	1	3	20	500	Values based on bromocresol green, 76-60-8
407	Bromocyclohexanol, cis-2-	16536-57-5	0.3	0.75	5	300	**SAR**
408	Bromodecane, 1-	112-29-8	15	40	300	1,500	Mouse 120 min LC50
409	Bromodichloromethane	75-27-4	1.5	4	30	150	Rat oral TDlo, rat oral LD50
410	Bromododecane, 1-	143-15-7	7.5	25	150	500	Rat oral LD50 based on HHR
411	Bromoethane; (Ethyl bromide)	74-96-4	20	4,000	7,500	7,500	TLV-TWA, TEEL-2/7, TEEL-3, IDLH
412	Bromoethanol, 2-; (Ethylene bromohydrin)	540-51-2	0.075	0.2	1.5	60	Mouse ip TDlo, mouse ip LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
413	Bromoethylmagnesium	925-90-6	1.5	5	35	150	Rat oral LD50 based on HHR = 3
414	Bromofluorobenzene, 4-; (p-Fluorobromobenzene)	460-00-4	75	200	500	500	Rat 240 min LC50
415	Bromoform; (Tribromomethane)	75-25-2	5	50	350	7,500	PEL-TWA, TEEL-2/7, rat oral TDlo, IDLH
416	Bromohexane; (n-Hexyl bromide)	111-25-1	250	750	6,000	30,000	Rat 30 min LC50
417	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	10	30	50	250	PNOS default used
418	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	7.5	25	150	500	Rat oral LD50 estimated from HHR = 2
419	Bromonaphthalene	90-11-9	3.5	10	60	350	Mouse ip LD50
420	Bromonitromethane	563-70-2	0.75	2.5	15	75	Rat oral LDlo
421	Bromooctane , 1-; (Octyl bromide)	111-83-1	20	60	400	2,000	Rat oral LD50
422	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
423	Bromophenyl phenyl ether, 4-	101-55-3	2	6	40	200	Rat 240 min LClo
424	Bromopropane, 1-	106-94-5	50	150	12,500	12,500	TLV-TWA, TEEL-0*3, rat TClo, rat 30 min LClo
425	Bromopropane, 2-	75-26-3	3,000	7,500	60,000	1.25E+05	Rat TClo, mouse 240 min LC50
426	Bromopyrene, 3-	1714-29-0	10	30	50	250	Used PNOS default
427	Bromosuccinimide, N-	128-08-5	2	6	40	200	Mouse ip LDlo
428	Bromothymol blue; (Dibromothymolsulfonphthalein)	76-59-5	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
429	Bromotoluene, A-; (Benzyl bromide)	100-39-0	0.6	1.5	12.5	60	Rabbit 30 min LClo
430	Bromotrichloromethane	75-62-7	0.5	1.5	10	50	Rat ip LD50
431	Bromotrifluoroethylene	598-73-2	6	20	350	600	Fluoride PEL-TWA, TEEL-0*3, rat TClo, IDLH
432	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	6,000	20,000	1.50E+05	2.50E+05	PEL-TWA, 60 min EEGL, 30 min EEGL
433	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	1.5	5	35	150	Rat oral LD50 based on HHR = 3
434	Brown menhaden fish oil	68440-42-6	10	30	50	250	PNOS default used
435	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	0.6	1.5	12.5	40	TEEL-2/21, TEEL-2/7, rat ip TDlo, rat ip LD50
436	Buffer solution, aequeous	7732-18-5	500	500	500	500	Human oral TDlo, mouse ip LD50
437	**Butadiene, 1,3-**	**106-99-0**	2	**1,480**	**11,700**	**48,600**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
438	Butanaminium,N,N,N-tributyl bromide, 1-; (Tetrabutylammonium bromide)	1643-19-2	10	30	50	250	Used PNOS default
439	**Butane**	**106-97-8**	2,500	**13,100**	**40,400**	**1.26E+05**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
440	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	35	100	750	3,500	Rat oral LD50
441	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	20	60	400	2,000	Rat oral LD50 minimum
442	Butanediol dinitrate, 1,4-	3457-91-8	0.35	0.75	3	20	**SAR**
443	Butanediol, 1,3-	107-88-0	25	75	500	500	Mammal oral TDlo, rat oral LD50
444	Butanediol, 1,4-; (1,4-Tetramethylene glycol)	110-63-4	1.25	3.5	25	250	Women LDlo, rat oral Tdlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
445	Butanedione, 2,3-	431-03-8	20	60	400	400	Rat oral TDlo, rat oral LD50
446	Butanenitrile; (Butyronitrile)	109-74-0	20	60	100	125	REL-TWA, TEEL-0*3, TEEL-0*5, mouse 60 min LC50
447	Butanephosphonic acid	3321-64-0	0.02	0.06	0.4	2	**SAR**
448	Butanethiol; (n-Butyl mercaptan)	109-79-5	1.5	20	150	1,500	PEL-TWA, TEEL-2/7, REL-C, IDLH
449	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	10	30	200	1,000	RAT IP LD50
450	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-0*25
451	Butanol-d10, n-	34193-38-9	60	60	150	5,000	n-Butanol, 71-36-3, limits used
452	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	35	150	400	400	WEEL-TWA, TEEL-2/7, TEEL-3, rat oral LD50
453	**Butanone, 2-; (Methyl ethyl ketone; MEK)**	**78-93-3**	590	**590**	**7,960**	**11,800**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
454	Butene, 1-; (Butylene)	106-98-9	600	1,500	30,000	1.50E+05	TLV-TWA, TEEL-0*3, inferred mouse TClo and LDlo
455	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
456	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
457	Butene, trans-2-; (trans-1,2-Dimethylethylene)	624-64-6	600	1,500	100,000	1.50E+05	TLV-TWA, TEEL-0*3, inferred mouse TClo and LDlo
458	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
459	Butoxyethanol phosphate, 2-	78-51-3	7.5	20	150	500	Rat oral TDlo, rat oral LD50
460	Butoxyethanol, 2-; (Glycol ether EB)	111-76-2	250	250	500	3,500	PEL-TWA, TEEL-0, human TClo, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
461	Butoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	60	100	600	2,500	MAK-TWA, TEEL-2/7, rat 240 min LClo, rat oral LD50
462	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	0.35	1	7.5	40	Rat oral LD50
463	Butoxypolypropylene glycol	9003-13-8	35	100	500	500	Rat oral LD50
464	**Butyl acetate, n-**	**123-86-4**	24	**24**	**950**	**14,300**	PAC-1, **ERPG-1, ERPG-2, ERPG-3**
465	Butyl acetate, sec-	105-46-4	750	750	1,500	7,500	PEL-TWA, PAC-3/35, PAC-3/5, IDLH
466	Butyl acetate, tert-	540-88-5	750	2,500	4,000	6,000	PEL-TWA, TEEL-0*3, TEEL-0*5 IDLH
467	Butyl acetoacetate, tert-	1694-31-1	20	60	400	500	Rat oral LD50 minimum
468	**Butyl acrylate, n-**	**141-32-2**	10	**43.5**	**681**	**2,510**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
469	Butyl alcohol, n-; (n-Butanol)	71-36-3	60	60	150	4,000	TLV-TWA, TEEL-0, REL-C, IDLH
470	Butyl alcohol, sec-; (2-Butanol)	78-92-2	300	400	1,250	6,000	TLV-TWA, REL-STEL, rat TClo, IDLH
471	Butyl bis(2-ethylhexyl)phosphate	z-0002	3	7.5	10	10	**SAR**
472	Butyl bromide, n-; (1-Bromobutane)	109-65-9	100	300	2,000	10,000	Rat 120 min LC50
473	**Butyl chloroformate, n-**	**592-34-7**	1	1.5	**12.3**	**37.4**	MAK-TWA, PAC-2/7, **AEGL-2, AEGL-3**
474	**Butyl chloroformate, sec-**	**17462-58-7**	0.6	1.5	**12.3**	**37.4**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
475	Butyl ether, n-; (Dibutyl ether)	142-96-1	5	15	100	2,000	Human T+H492Clo, rat 240 min LClo
476	Butyl glycidyl ether, n-	2426-08-6	15	15	30	1,250	TLV-TWA, TEEL-0, REL-C, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
477	**Butyl isocyanate, n-**	**111-36-4**	0.0125	**0.04**	**0.2**	**4**	PAC-1/3, **ERPG-1, ERPG-2, ERPG-3**
478	Butyl isocyanate, tert-	1609-86-5	0.25	0.75	5	25	Rat 240 min LC50
479	Butyl levulinate	2052-15-5	20	60	400	500	Rat oral LD50 minimum
480	Butyl lithium	109-72-8	36.9	115	500	500	Li MW-adjusted values
481	Butyl methyl-d3 ether, tert-	29366-08-3	150	150	2,000	20,000	Tert-butyl methyl ether, 1634-04-4, PAC used
482	Butyl perbenzoate, tert-	614-45-9	7.5	25	150	400	TEEL-2/21, TEEL-2/7, mouse uk TDlo, rat oral LD50
483	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	100	300	500	500	TEEL-2/21, TEEL-2/7, rat TClo, rat oral LD50
484	Butyl-2-methylcyclopropane, T-1-	38851-70-6	10	30	50	250	Used PNOS default
485	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
486	Butylamine, (S)-sec-	513-49-5	1.5	4	30	150	Rat oral LD50
487	Butylamine, n-	109-73-9	6	6	15	750	MAK-TWA, TEEL-0, PEL-C, IDLH
488	Butylamine, sec-	13952-84-6	6	6	30	60	MAK-TWA, TEEL-0, MAK-C, rat oral LD50
489	Butylamine, tert-	75-64-9	1	3	20	400	TEEL-2/21, TEEL-2/7, human TClo, rat 240 min LC50
490	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	75	200	1,500	7,500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LDlo
491	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	0.15	0.5	4	750	TEEL-2/21, TEEL-2/7, rat oral TDlo and LD50
492	Butylbenzene, tert-	98-06-6	0.2	0.6	4	1,250	TEEL-2/21, TEEL-2/7, rat oral TDlo and 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
493	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	10	30	200	1,000	Estimated rat oral LD50
494	Butylcyclohexanone, p-tert-	98-53-3	20	60	400	500	Rat oral LD50
495	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8	20	60	400	500	Rat oral LD50 minimum
496	Butyllithium, sec-	598-30-1	1	3	20	100	Estimated rat 240 min LC50 based on HHR
497	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
498	**Butyltrichlorosilane**	**7521-80-4**	1.5	**4.7**	**57.2**	**258**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
499	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	0.2	0.6	20	30	MAK-TWA, TEEL-0*3, rat TClo, rat 120 min LClo
500	Butyraldehyde	123-72-8	0.06	0.15	1.25	40	TEEL-2/21, TEEL-2/7, human TClo, rat 10 min LC50
501	Butyric acid	107-92-6	50	150	750	750	Hamster oral TDlo, rat oral LD50
502	Butyric acid, sodium salt	156-54-7	50	150	500	500	Dog iv TDlo
503	**BZ; (3-Quinuclidinyl benzilate)**	**6581-06-2**	0.006	0.02	**0.033**	**0.62**	PAC-2/5, PAC-2*3/5, **AEGL-2, AEGL-3**
504	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1	12.5	35	250	500	Rat oral TDlo
505	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
506	Cacodylic acid; (Arsenic acid, dimethylhydroxy-)	75-60-5	0.5	1.5	4	250	PEL-TWA, TEEL-0*3, rat oral TDlo, rat oral LD50
507	Cadmium	7440-43-9	0.005	0.03	1.25	9	PEL-TWA, TLV-TWA*3, woman TClo, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
508	Cadmium bromide	7789-42-6	0.0121	0.0727	7.5	21.8	PEL-TWA, TLV-TWA*3, rat oral TDlo, IDLH
509	Cadmium carbonate	513-78-0	0.00767	0.046	0.0767	13.8	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
510	Cadmium chloride	10108-64-2	0.00815	0.0489	0.5	14.7	PEL-TWA, TLV-TWA*3, rat TClo, IDLH
511	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
512	Cadmium fluoride	7790-79-6	0.00669	0.0401	0.0669	12	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
513	Cadmium hydroxide	21041-95-2	0.00651	0.0391	0.0651	11.7	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
514	Cadmium nitrate	10325-94-7	0.0105	0.0631	0.105	18.9	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
515	Cadmium nitrate tetrahydrate	10022-68-1	0.0137	0.6	5	24.7	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
516	Cadmium nitrite	7790-83-2	0.00909	0.0546	0.0909	16.4	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
517	Cadmium oxide	1306-19-0	0.00571	0.0343	4	10.3	PEL-TWA, TLV-TWA*3, LOC, IDLH
518	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	0.0303	0.182	13	54.6	PEL-TWA, TLV-TWA*3, adjusted LOC, IDLH
519	Cadmium sulfate	10124-36-4	0.00927	0.0556	0.0927	16.7	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH.
520	Cadmium sulfate, hydrate	7790-84-3	0.0157	0.0941	0.3	28.2	PEL-TWA, ILV-TWA*3, hamster iv TDlo, IDLH
521	Cadmium sulfide	1306-23-6	0.00643	0.0386	11.6	11.6	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
522	Cadmium tungstate	7790-85-4	0.016	0.0961	0.16	28.8	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
523	Cadmium(II) acetate	543-90-8	0.0103	0.062	0.15	18.6	PEL-TWA, TLV-TWA*3, TLV-TWA*5, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
524	Calcium	7440-70-2	10	30	50	250	Used PNOS default
525	Calcium acetate	62-54-4	0.02	0.06	0.4	30	TEEL-2/21, TEEL-2/7, pregnant rat TClo, mouse ip LD50
526	Calcium arsenate	7778-44-1	0.0266	1.5	10	13.3	PEL-TWA, PAC-2/7, LOC, IDLH
527	Calcium carbide	75-20-7	10	30	50	250	Used PNOS default
528	Calcium carbonate; (Dolomite; Limestone)	1317-65-3	15	15	60	300	PEL-TWA, TEEL-0*3, rat T+H549Clo, TEEL-2*5
529	Calcium chloride	10043-52-4	1	3.5	20	400	TEEL-2/21, TEEL-2/7, women intravenous TDlo, rat oral LD50
530	Calcium chloride dihydrate	10035-04-8	40	125	500	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, mouse ip LD50
531	Calcium chloride hexahydrate	7774-34-7	5	15	100	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, guinea pig iv LDlo
532	Calcium chloride hydrate	22691-02-7	2	6	40	450	Concentration limits based on TEELs for Ca.Cl2 and Ca.Cl2.2(H2.O)
533	Calcium chromate	13765-19-0	0.015	0.0901	1.25	45	PEL-TWA, TLV-TWA*3, rat LClo, IDLH
534	Calcium cyanamide	156-62-7	0.5	1.5	125	500	TLV-TWA, TEEL-0*3, rat oral TDlo, human oral LDlo
535	Calcium fluoride	7789-75-5	5.14	15.4	200	500	PEL-TWA, TEEL-0*3, mouse intraperitoneal TDlo, rat oral LD50
536	Calcium formate	544-17-2	10	30	200	500	Rat oral LD50
537	Calcium hydride	7789-78-8	1.5	5	35	150	TEEL-3/105, TEEL-3/35, TEEL-3/5, est rat oral LD50
538	Calcium hydroxide	1305-62-0	15	75	500	500	PEL-TWA, TEEL-0, TEEL-3/5, rat oral LD50
539	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	3.5	10	75	350	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
540	Calcium metasilicate	10101-39-0	10	30	50	250	Used PNOS default
541	Calcium monohydrogen phosphate dihydrate	7789-77-7	10	30	50	250	Used PNOS default
542	Calcium nitrite	13780-06-8	0.03	0.075	0.6	50	**SAR**
543	Calcium oxalate	563-72-4	6	15	50	50	**SAR**
544	Calcium oxalate, hydrate	5794-28-5	6	15	60	60	Used Ca oxalate values, MW adjusted
545	Calcium oxide	1305-78-8	5	5	5	25	PEL-TWA, TEEL-0, TEEL-0, IDLH
546	Calcium phosphate tribasic	12167-74-7	10	30	50	250	Used PNOS default
547	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	7.5	20	35	350	**SAR**
548	**Calcium phosphide**	**1305-99-3**	0.35	1	**7.45**	**13.4**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
549	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)	7778-18-9	15	30	50	250	PEL-TWA, TLV-TWA x 3, TLV-TWA X 5, TLV-TWA X 25
550	Calcium trifluoromethanesulfonate	55120-75-7	7.42	20	150	500	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
551	Calcium(II) nitrate	10124-37-5	1.25	3.5	25	125	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
552	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
553	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
554	Camphor	76-22-2	2	19	30	200	PEL-TWA, TLV-STEL, child TDlo, IDLH
555	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	4	12.5	75	400	Mouse sc LD50 of CASRN 3144-16-9

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
556	Cantharidin	56-25-7	0.75	2.5	4.3	4.3	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
557	Caprolactam (dust)	105-60-2	1	3	3	20	REL-TWA, REL-STEL, human TClo, rat 120 min LC50.
558	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
559	Caprylyl chloride; (Octanoyl chloride)	111-64-8	10	30	50	250	Used PNOS default
560	CAPSO	73463-39-5	10	30	50	250	Used PNOS default
561	Captan	133-06-2	5	15	30	500	TLV-TWA, TEEL-0*3, male mouse oral TDlo, human oral LDlo
562	Carbachol Chloride	51-83-2	3	7.5	15	15	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
563	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
564	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde-o-(methylcarbamoyl)oxime, 2-)	116-06-3	0.0001	0.0003	0.3	100	WEEL-TWA, TEEL-3*3, LOC, rat 300 min LC50
565	Carbaryl	63-25-2	5	5	15	100	PEL-TWA, TEEL-0, human oral TDlo, IDLH
566	Carbazole	86-74-8	0.75	2.5	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse ip LD50
567	Carbazole violet	6358-30-1	75	250	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50 (based on HHR)
568	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	10	30	50	250	Used PNOS default.
569	Carbofuran	1563-66-2	0.1	0.3	0.43	0.5	TLV-TWA, TEEL-0*3, LOC, women oral LD50
570	Carbon black	1333-86-4	3.5	10.5	17.5	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH.
571	Carbon dioxide	124-38-9	7,500	50,000	50,000	75,000	PEL-TWA, TLV-STEL, rat TClo, IDLH

Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
572	**Carbon disulfide**	**75-15-0**	3	**40.4**	**498**	**1,490**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
573	**Carbon monoxide**	**630-08-0**	60	95	**95**	**378**	PEL-TWA, AEGL-2, **AEGL-2, AEGL-3**
574	**Carbon tetrachloride**	**56-23-5**	60	**277**	**1,190**	**3,270**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
575	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	750	2,500	15,000	75,000	Rat 15 min LClo
576	Carbon trifluoride; (Trifluoromethane; Fluoroform)	75-46-7	2,500	7,500	60,000	3.00E+05	Estimated human TClo
577	Carbon; (Graphite, synthetic)	7440-44-0	2	6	10	500	TLV-TWA, TEEL-0*3, rat sc TDlo, IDLH
578	Carbonic acid, calcium salt	471-34-1	15	75	500	500	PEL-TWA, rat oral LD50
579	**Carbonyl fluoride**	**353-50-4**	0.755	0.755	**0.755**	**2.24**	PAC-2, PAC-2, **AEGL-2, AEGL-3**
580	**Carbonyl sulfide**	**463-58-1**	25	75	**135**	**368**	PAC-2/5, PAC-2*3/5, **AEGL-2, AEGL-3**
581	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	10	30	50	250	Used PNOS default
582	Carbophenothion; (Trithion)	786-19-6	1.25	4	6.8	6.8	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
583	Carboxymethyl cellulose	9000-11-7	40	125	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LDlo minimum
584	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)
585	Casamino acids	z-0008	10	30	50	250	Used PNOS default
586	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9	10	30	50	250	Used PNOS default
587	Castor oil	8001-79-4	40	125	500	500	TEEL-2/21, TEEL-2/7, rat im TDlo, human oral LDlo minimum

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
588	Catechol	120-80-9	20	20	40	100	TLV-TWA, PAC-2/7, rat oral TDlo, rat oral LD50
589	Cation exchange resin 200-400 mesh Hyd. Dowex 50W-X8	11119-67-8	10	30	50	250	Used PNOS default
590	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5	10	30	50	250	Used PNOS default
591	Cellulase	9012-54-8	12.5	40	300	500	TEEL-2/21, TEEL-2/7, mammalian LClo, TEEL-2*5
592	Cellulose	9004-34-6	15	30	500	500	PEL-TWA, TLV-TWA, rat oral TDlo, rat 240 min LC 50
593	Cellulose acetate butanoate	9004-36-8	10	30	50	250	Used PNOS default
594	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7	10	30	50	250	Used PNOS default
595	Ceric ammonium nitrate	16774-21-3	10	30	50	250	Used PNOS default
596	Ceric ammonium sulfate	7637-03-8	10	30	50	250	Used PNOS default
597	Ceric ammonium sulfate, dihydrate	10378-47-9	10	30	50	250	Used PNOS default
598	Ceric oxide	1306-38-3	6	20	150	500	TEEL-2/21, TEEL-2/7, rat 240 min T+H615Clo, rat oral LD50 minimum
599	Cerium	7440-45-1	10	30	50	250	Used PNOS default
600	Cerium acetate	537-00-8	0.1	0.35	2	10	TEEL-2/21, TEEL-2/7, human iv TDlo, TEEL-2*5
601	Cerium chloride	7790-86-5	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
602	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
603	Cerium hydroxide	15785-09-8	0.75	0.75	2	75	**SAR**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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 nitrate hexahydrate	10294-41-4	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
605	Cerium oxalate	139-42-4	10	30	50	250	Used PNOS default
606	Cerium sulfate	13590-82-4	1	3.5	20	100	TEEL-2/21, TEEL-2/7, male rat intratracheal TDlo, TEEL-2*5
607	Cerium trioxide	1345-13-7	2	6	40	200	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse ip LD50
608	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)
609	Cerium(IV) hydroxide	12014-56-1	14.9	44.6	75	350	Used PNOS default
610	Cerium(iv) nitrate	13093-17-9	10	30	50	250	PNOS default used
611	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	1	3	20	500	Male rat intratracheal TDlo, rat oral LD50
612	Cerous nitrite	z-0004	0.04	0.1	0.75	75	**SAR**
613	Cesium	7440-46-2	6	20	150	500	Mouse ip LD50
614	Cesium carbonate	534-17-8	10	30	200	500	Rat oral LD50
615	Cesium chloride	7647-17-8	0.4	1.25	10	500	Female rat oral TDlo, rat oral LD50
616	Cesium fluoride	13400-13-0	20	60	100	500	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
617	Cesium hydroxide	21351-79-1	2	2	7.5	250	TLV-TWA, TEEL-0, rat TClo, rat oral LD50
618	Cesium iodide	7789-17-5	10	30	200	500	Rat oral LD50
619	Cesium nitrate	7789-18-6	10	30	200	500	Rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
620	Cesium nitrite	13454-83-6	0.075	0.2	1.5	60	SAR
621	Cesium oxide	20281-00-9	2.24	6.72	11.2	500	Cs hydroxide TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LDlo (HSDB)
622	Charcoal, activated	64365-11-3	10	30	50	250	Used PNOS default
623	Chloramben; (3-Amino-2,5-dichlorobenzoic acid)	133-90-4	35	100	500	500	Mouse oral TDlo, rat oral LD50
624	Chloramphenicol	56-75-7	0.5	1.5	7.5	350	WEEL-TWA, human TDlo, women orak LDlo
625	Chlordane	57-74-9	0.5	1.5	50	100	PEL-TWA, TLV-TWA*3, LOC, IDLH
626	Chlorfenvinfos	470-90-6	2	6	10	10	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
627	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	0.15	0.4	3	75	Human oral TDlo, child uk LD50
628	Chloride	16887-00-6	0.75	1.5	3.65	15	TLV-TWA, TLV-STEL, LOC, IDLH
629	Chlorinated polyolefins	68410-99-1	10	30	50	250	Used PNOS default
630	**Chlorine**	**7782-50-5**	1.45	**1.45**	**5.8**	**58**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
631	**Chlorine dioxide**	**10049-04-4**	0.25	**0.414**	**3.03**	**6.62**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
632	Chlorine Hi dry granular (as Cl)	z-0006	0.75	1.5	3.65	15	TLV-TWA, TLV-STEL, LOC, IDLH
633	**Chlorine pentafluoride**	**13637-63-3**	0.5	**1.6**	**5.33**	**42.7**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
634	**Chlorine trifluoride**	**7790-91-2**	0.15	**0.453**	**7.56**	**79.3**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
635	Chlormephos	24934-91-6	1.25	4	7	35	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
636	Chlormequat Chloride; (Choline dichloride)	999-81-5	0.35	1	7	7.5	TEEL-2/21, TEEL-2/7, LOC, human LDlo
637	**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**
638	**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**
639	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	0.1	0.3	2	60	Rat oral TDlo, rat 240 min LClo
640	Chloro-1-butanol, 4-	928-51-8	1.5	5	40	400	Mouse ip TDlo, mouse oral LD50
641	Chloro-2,4-dinitrobenzene, 1-	97-00-7	3	10	60	350	Rat oral TDlo, rat oral LD50
642	Chloro-2-methyl-1-propene, 3-	563-47-3	3	7.5	60	300	Rat oral TDlo
643	Chloro-2-methyl-4-isothiazolin-3-one, 5-	26172-55-4	0.2	0.6	1	1	MAK-TWA, mouse skin TDlo
644	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	1.5	4	30	7,500	Mouse ip TDlo, HHR-based rat oral LD50
645	Chloro-2-nitrophenol, 4-	89-64-5	0.4	1.25	7.5	40	MSDS rat oral LD50
646	Chloro-4-nitrophenol, 2-	619-08-9	3.5	10	75	400	Rat oral LD50
647	**Chloroacetaldehyde**	**107-20-0**	1.25	**4.17**	**7.06**	**31.8**	PEL-C, **AEGL-1, AEGL-2, AEGL-3**
648	Chloroacetaldehyde dimethyl acetal	97-97-2	7.5	25	150	500	Estimated HHR and rat oral LD50
649	Chloroacetic acid, sodium salt	3926-62-3	2.38	7.14	40	40	WEEL-TWA, TEEL-0*3, rat oral TDlo, rat oral LD50
650	**Chloroacetic acid; (Monochloroacetic acid)**	**79-11-8**	2	6	**25.5**	75	TLV-TWA, TLV*3, **AEGL-2**, rat 240 min LC50
651	**Chloroacetone**	**78-95-5**	0.75	2	**16.6**	**49.2**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
652	**Chloroacetonitrile**	**107-14-2**	4	12.5	**98.7**	**207**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
653	**Chloroacetyl chloride**	**79-04-9**	0.185	**0.185**	**7.39**	**240**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
654	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3	1	3	20	200	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
655	Chloroaniline, p-	106-47-8	0.5	1.5	10	300	TEEL-2/21, TEEL-2/7, rat oral TDlo, mouse 360 min LClo
656	**Chlorobenzene; (Benzene chloride)**	**108-90-7**	46	**46**	**690**	**1,840**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
657	Chlorobenzotrifluoride, 2-	88-16-4	6	20	125	500	Rat oral LD50
658	Chlorobenzylate; (4,4'-Dichlorobenzilic acid ethyl ester)	510-15-6	1.5	4	30	300	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
659	**Chlorobenzylidene malononitrile, o-**	**2698-41-1**	0.005	**0.005**	**0.1**	**25**	PAC-1, **ERPG-1, ERPG-2, ERPG-3**
660	Chlorobutane, 1-; (Butyl chloride)	109-69-3	30	75	600	3,000	Rat oral TDlo, rat 240 min LClo
661	Chlorobutane, 2-; (sec-Butyl chloride)	78-86-4	1.5	5	35	12,500	Mouse ip TDlo, rat 240 min LClo
662	Chlorobutyryl chloride, 4-	4635-59-0	2.5	7.5	50	250	Rat 240 min LC50
663	Chlorocyclohexanol, trans-2-	6628-80-4	3.5	10	75	400	Rat oral LD50
664	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	100	300	2,500	12,500	**SAR**
665	Chlorodecane, 1-	1002-69-3	350	1,000	1,500	7,500	Alkane REL-TWA, TEEL-0*3, REL-C, TEEL-2*5
666	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	8.94	35	200	500	REL-TWA, TEEL-3/35, TEEL-3/5, rat 15 min LC50
667	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
668	Chloroethanesulfonyl chloride, 2-	1622-32-8	1.25	3.5	25	150	TEEL-2/21, TEEL-2/7, adjusted LOC, rat 240 min LC50
669	Chloroethyl chloroformate	627-11-2	4	12.5	20	20	TEEL-2/5, TEEL-2*3/5, LOC, mouse 10 min LClo
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
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 PAC used
674	Chloro-m-cresol, 4-	59-50-7	7.5	20	150	500	Rat oral LD50
675	**Chloromethyl methyl ether**	**107-30-2**	0.3	0.75	**1.55**	**6.58**	PAC-2/5, PAC-2*3/5, **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-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
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
679	Chloronitrobenzene, p- ; (p-Nitrochlorobenzene)	100-00-5	1	1.92	100	100	PEL-TWA, TLV-TWA*3, mouse oral TDlo, 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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
684	Chlorophenol, o-	95-57-8	7.5	25	150	2,000	TEEL-2/21, 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 TClo
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
689	**Chloropicrin; (Trichloronitromethane)**	**76-06-2**	0.336	**0.336**	**1.01**	**9.41**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
690	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	Rat oral LD50
692	Chloropropionitrile, 3-	542-76-7	1.5	5	9	40	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
693	Chloropropyl)trimethoxysilane, 3-(; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	75	250	1,500	3,000	Rat TClo, rat oral LD50
694	Chloropropylene, 2-	557-98-2	3,000	10,000	60,000	1.00E+05	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**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
700	Chlorothalonil; (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-2/21, TEEL-2/7, rat oral TDlo, mouse 120 min LC50
703	Chlorotrifluoroethene, homopolymer	9002-83-9	0.015	0.04	0.3	500	Rat oral TDlo, rat 240 min LClo
704	**Chlorotrifluoroethylene**	**79-38-9**	25	**76.2**	**409**	**2,000**	WEEL-TWA, **AEGL-1, AEGL-2, AEGL-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-2/5, 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	0.058	0.5	3.5	17.4	Cr VI concentration limits. TEELs are minima.
712	Chromic acetate; (Chromium(III) acetate)	1066-30-4	2.2	6.61	11	110	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
713	Chromic acid ester	11115-74-5	0.059	0.059	0.118	17.7	TLV-TWA, TEEL-0, PEL-C, IDLH
714	Chromic chloride; (Chromium(III) chloride)	10025-73-7	1.52	4.57	10	76.1	PEL-TWA, TEEL-0*3, rat intratesticular TDlo, IDLH
715	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
716	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	1.89	2.5	15	94.3	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
717	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
718	Chromic(III) hydroxide; (Chromic acid (H3CrO3); Chromium trihydroxide)	1308-14-1	0.991	7.5	49.5	49.5	PEL-TWA, TEEL-2/7, women oral TDlo, IDLH
719	Chromic(VI) acid	7738-94-5	0.113	0.113	0.227	34	TLV-TWA, TEEL-2/7, PEL-C, IDLH
720	Chromite; (Chromite (mineral))	1308-31-2	1.08	3.23	5.38	500	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
721	Chromium	7440-47-3	1	1.5	2.5	250	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
722	Chromium nitrate	10103-47-6	4.74	14.2	23.7	237	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
723	Chromium nitrate nonahydrate	7789-02-8	3.85	11.5	25	192	PEL-TWA, TEEL-0*3, rat intraperitoneal TDlo, IDLH
724	Chromium perchlorate, hydrated	13537-21-8	3.37	10.1	16.8	168	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
725	Chromium(III) acetate hydroxide	39430-51-8	2.4	7.21	12.5	120	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
726	Chromium(III) chloride, hexahydrate	10060-12-5	2.56	100	128	128	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
727	Chromium(III) fluoride	7788-97-8	1.05	3.14	5.24	52.4	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
728	Chromium(III) nitrate	13548-38-4	2.29	6.87	11.4	114	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
729	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
730	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
731	Chromium(VI) hydroxide	12626-43-6	0.0296	0.04	0.296	44.4	TLV-TWA, TEEL-2/7, PEL-C, IDLH

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
732	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
733	Chrysene (coal tar volatile)	218-01-9	0.2	0.6	4	80	PEL-TWA, TEEL-0*3, mouse oral TDlo, IDLH
734	Cinnamaldehyde	104-55-2	1.25	4	30	500	Mouse sk TDlo, rat oral LD50
735	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	0.5	1.5	10	1,500	Rat oral TDlo, rat oral LD50
736	Citric acid	77-92-9	6	15	125	500	TEEL-2/21, TEEL-2/7, rat LClo, rat oral LD50
737	Citric acid monohydrate	5949-29-1	1.5	4	30	150	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat ip LD50
738	Citric acid, trisodium salt, dihydrate	6132-04-3	6	20	125	500	Rat ip LD50
739	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
740	Coal tar, aerosol	8007-45-2	0.4	1.25	7.5	500	TEEL-2/21, TEEL-2/7, rat TClo, rat ld50 minimum
741	Cobalt	7440-48-4	0.1	0.3	2	20	PEL-TWA, TEEL-2/7, LOC, IDLH
742	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	3	7.5	60	300	TEEL-3/105, TEEL-3/35, TEEL-3/5rat oral LD50
743	Cobalt carbonyl	10210-68-1	0.27	0.27	27	60	LOC, LOC, adjusted LOC, rat 240 min LC50
744	Cobalt chloride	7646-79-9	0.0441	0.132	25	500	PEL-TWA, TEEL-0*3, child oral TDlo, child oral LDlo
745	**Cobalt hydrocarbonyl**	**16842-03-8**	0.3	0.3	**0.914**	**2.95**	TLV-TWA, PAC-2/7, **ERPG-2, ERPG-3**
746	Cobalt hydroxide	21041-93-0	0.0315	0.0946	0.158	0.75	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
747	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
748	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
749	Cobalt nitrite	32486-57-0	0.0512	0.154	0.256	1.25	TLV-TWA, TEEL-0*3, TEEL-0*15, TEEL-0*25
750	Cobalt oxide	1308-06-1	0.136	0.136	0.136	27.2	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
751	Cobalt sulfate	10124-43-3	0.0526	0.158	6	150	TLV-TWA, TEEL-0*3, rabbit oral TDlo rat oral LD50
752	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
753	Cobalt tetraphenylporphine	14172-90-8	10	30	50	250	Used PNOS default
754	Cobalt(II) chloride hexahydrate	7791-13-1	0.0808	0.242	20	350	TLV-TWA, TEEL-0*3, rat sc TDlo, rat oral LD50
755	Cobalt(II) oxide	1307-96-6	0.127	0.127	20	25.4	PEL-TWA, TEEL-0, rat intratracheal TDlo, IDLH
756	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
757	Cobalt(II) sulfate hydrate	60459-08-7	0.0587	0.176	0.3	1.5	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
758	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',0,0')-; (Fluomine)	62207-76-5	0.15	0.4	3	15	TEEL-2/21, TEEL-2/7, LOC, rat 360 min LC50
759	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
760	Cobaltous carbonate	513-79-1	0.0404	0.121	0.202	250	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
761	Colchicine	64-86-8	0.04	0.125	0.9	0.9	TEEL-2/21, TEEL-2/7, LOC, TEEL-2
762	Copper	7440-50-8	1	3	5	100	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
763	Copper cyanide; (Copper(I) cyanide; Cuprous cyanide)	544-92-3	1.41	4.23	7.05	25	PEL-TWA, TEEL-0*3, TEEL-0*5, CN IDLH

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
764	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
765	Copper nitrate; (Cupric nitrate)	3251-23-8	2.95	7.5	60	295	PEL-TWA, TEEL-0*3, TEEL-3/5, IDLH
766	Copper oxide; (Copper(I) oxide)	1317-39-1	0.113	0.675	15	113	PEL-TWA, TLV-TWA*3, rat LClo, IDLH
767	Copper sulfate; (Copper(II) sulfate)	7758-98-7	2.51	2.51	6	251	PEL-TWA, TEEL-0, human oral TDlo, IDLH
768	Copper(I) chloride; (Cuprous chloride)	7758-89-6	1.56	4.67	7.79	156	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
769	Copper(I) sulfide	22205-45-4	1.25	3.76	6.26	125	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
770	Copper(II) acetate monohydrate	6046-93-1	3.14	7.5	60	314	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
771	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
772	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
773	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
774	Copper(II) oxalate	814-91-5	2.42	7.25	12.5	242	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
775	Copper(II) perchlorate, dihydrate	17031-32-2	4.7	14.1	23.5	470	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
776	Copper(II) sulfate pentahydrate	7758-99-8	3.93	11.8	150	393	PEL-TWA, TEEL-0*3, human oral TDlo, IDLH
777	Copper(II) sulfide	1317-40-4	1.5	4.51	7.52	150	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
778	Corn oil	8001-30-7	40	100	500	500	TEEL-2/21, TEEL-2/7, rat intramuscular TDlo, rat oral LD50 minimum
779	Coumaphos	56-72-4	0.05	0.15	30	125	TLV-TWA, TEEL-0*3, LOC, rat LC50

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
780	Coumarin	91-64-5	0.025	0.075	0.6	125	TEEL-2/21, TEEL-2/7, woman oral TDlo, rat oral LD50
781	Coumatetralyl; (Endrocide)	5836-29-3	3	10	16.5	16.5	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
782	Creosote (coal tar)	8001-58-9	0.2	0.6	80	80	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
783	Cresols	1319-77-3	20	60	110	1,000	PEL-TWA, TEEL-0*3, LOC, IDLH
784	Cresyl violet acetate	10510-54-0	10	30	50	250	Used PNOS default
785	Crimidine; (Castrix)	535-89-7	0.25	0.75	1.2	1.2	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
786	Cristobalite	14464-46-1	0.025	0.075	25	25	TLV-TWA, TEEL-0*3, TEEL-3, IDLH
787	Crocidolite	12001-28-4	0.005	0.05	10	250	PEL-TWA, PEL-STEL, rat LClo, rat ip LDlo
788	**Crotonaldehyde, cis-**	**4170-30-3**	0.544	**0.544**	**12.6**	**40.1**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
789	**Crotonaldehyde, trans-**	**123-73-9**	0.15	**0.544**	**12.6**	**40.1**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
790	Crotonic Acid	3724-65-0	4	12.5	75	400	Rat oral LD50
791	Crystal violet; (Aniline violet)	548-62-9	0.075	0.25	1.5	150	Rat ip TDlo, rat oral LD50
792	Cs7SB; (1-(2,2,3,3-Tetrafluoropropoxy)-3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	11.1	30	200	500	Fluoride concentration limits
793	Cube Resin other than Rotenone	z-0122	0.125	0.35	2.5	12.5	TEEL-2/21, TEEL-2/7, rat LClo, TEEL-2*5
794	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	6	30	150	150	WEEL-TWA, TEEL-2/7, rat TClo, rat LC50
795	**Cumene; (Isopropyl benzene)**	**98-82-8**	246	**246**	**1,470**	**3,590**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
796	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
797	Cupferron; (Ammonium-n-nitrosophenylhydroxylamine)	135-20-6	7.5	25	75	75	Rat oral TDlo, rat oral LD50.
798	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	2.86	8.58	14.3	200	PEL-TWA, TEEL-0*3, rat sc TDlo, rat oral LD50
799	Cupric nitrate hemipentahydrate	19004-19-4	3.8	11.4	19	380	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
800	Cupric nitrite	14984-71-5	0.035	0.075	0.6	60	**SAR**
801	Cupric oxide	1317-38-0	0.125	0.751	1.25	125	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
802	Cyanamide	420-04-2	2	6	10	35	TLV-TWA, TEEL-0*3, TEEL-0*5, rat 240 min LClo
803	Cyanic acid; (Hydrogen cyanate)	420-05-3	15	40	75	350	PEL-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
804	Cyanide	57-12-5	5	5	5	25	PEL-TWA, TEEL-0, TEEL-0, IDLH
805	Cyanoacetamide	107-91-5	6	20	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse oral LD50
806	Cyanogen	460-19-5	20	20	20	40	TLV-TWA, TEEL-0, TEEL-0, rat 60 min LC50
807	Cyanogen bromide	506-68-3	20.4	44	44	44	PEL-TWA, TEEL-2, LOC, IEEL-2
808	**Cyanogen chloride**	**506-77-4**	0.05	0.15	**1**	**10**	PAC-2/21, PAC-2/7, **ERPG-2, ERPG-3**
809	Cyanogen iodide	506-78-5	29.4	88.2	180	180	PEL-TWA, TEEL-0*3, LOC, TEEL-2
810	Cyanoguanidene; (Guanidine, cyano; Dicyanidiamido)	461-58-5	0.5	1.5	10	200	TEEL-2/21, TEEL-2/7, rat TClo, rat oral LD50
811	Cyanophos	2636-26-2	1.25	3.5	25	25	TEEL-2/21, TEEL-2/7, LOC, TEEL-2

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
812	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
813	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
814	Cyclohexane	110-82-7	1,000	1,000	4,000	4,000	PEL-TWA, TLV-TWA*3, TEEL-3, IDLH
815	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	10	30	50	250	Used PNOS default
816	Cyclohexanediamine, 1,2-	694-83-7	3	10	60	350	PAC-3/105, PAC-3/35, PAC-3/5, rat 240 min LClo
817	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	12.5	40	250	500	Rat oral LD50
818	Cyclohexanol	108-93-0	200	200	200	1,500	PEL-TWA, TEEL-0, TEEL-0, IDLH
819	Cyclohexanone; (Ketohexamethylene)	108-94-1	200	200	200	2,500	PEL-TWA, PAC-2/7, human TClo, IDLH
820	Cyclohexene	110-83-8	1,000	1,000	1,500	6,000	PEL-TWA, TEEL-0, rat TClo, IDLH
821	Cycloheximide	66-81-9	0.1	0.3	2	2	TEEL-2/21, TEEL-2/7, LOC, TEEL-2
822	**Cyclohexyl isocyanate**	**3173-53-3**	0.02	0.06	0.1	**0.512**	PAC-2/5, PAC-2*3/5, AEGL-3/5, **AEGL-3**
823	Cyclohexyl methyl phosphonic acid	1932-60-1	10	30	50	250	Used PNOS default
824	**Cyclohexylamine**	**108-91-8**	7.3	**7.3**	**34.9**	**122**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
825	Cyclohexylamino)-1-propanesulfonic acid, 3-(; (CAPS)	1135-40-6	1.25	4	25	125	Quail oral LD50 minimum
826	Cyclohexylethanol, 2-	4442-79-9	4	10	75	400	Rat oral LD50
827	Cyclooctadiene, 1,5-	111-78-4	400	1,250	7,500	40,000	Rat TClo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
828	Cyclooctane	292-64-8	20	60	500	2,500	Estimated LC50
829	Cyclooctatetraene, 1,3,5,7-	629-20-9	2.50E+05	2.50E+05	1.00E+06	1.50E+06	Simple asphyxiant
830	Cyclooctene, cis-	931-87-3	3.5	10	60	350	Estimated LD50 based on HHR
831	Cyclopentane	287-92-3	1,500	5,000	10,000	40,000	TLV-TWA, TEEL-0*3, LOC, rat LC50
832	Cyclopentanone	120-92-3	75	75	150	2,000	Danish OEL, TEEL-0, mammalian LClo, rat LC50
833	Cyclopropane	75-19-4	300	1,000	6,000	1.00E+05	Human TClo, mouse 120 min LClo
834	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	0.04	0.125	0.75	500	Rat oral TDlo, rat oral LD50
835	Cyclotol; (RDX-TNT mixture)	8065-53-0	0.6	3	15	60	60% RDX TO 40$ TNT mixture
836	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	0.5	3	40	40	TLV-TWA, REL-STEL, child oral TDlo, rat oral LD50
837	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	7.5	25	150	500	Mouse ip LDlo minimum
838	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	3.5	10	150	500	**SAR**
839	DDD; (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	12.5	35	250	500	Rat oral TDlo, human oral LDlo
840	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	4	12.5	75	400	Rat oral TDlo, rat oral LD50
841	DDT; (Dichlorodiphenyltrichloroethane)	50-29-3	1	1	2	500	PEL-TWA, TEEL-0, human oral TDlo, IDLH
842	DEAE Sepharose CL-6B	62610-50-8	10	30	50	250	Used PNOS default
843	Decaborane	17702-41-9	0.3	0.75	10	15	PEL-TWA, TLV-STEL, LOC, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
844	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 OEL-C, rat 240 min LC50
845	Decahydronaphthalene	91-17-8	2.5	7.5	50	400	TEEL-2/21, TEEL-2/7, human TClo, rat 240 min LC50
846	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	2.5	7.5	50	400	Human TClo, rat 240 min LC50
847	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	2.5	7.5	50	400	Human TClo, rat 240 min LC50
848	Decamethylcyclopentasiloxane	541-02-6	15	50	350	500	Pregnant rat subcutaneous TDlo, rat 240 min LC50
849	Decanal	112-31-2	15	40	300	1,500	Rat oral LD50
850	Decane	124-18-5	0.4	1	7.5	25,000	Mouse skin TDlo, mouse 120 min LC50
851	Decene, 1-, homopolymer, hydrogenated	68037-01-4	10	30	50	250	Used PNOS default
852	Decyl alcohol; (1-Decanol)	112-30-1	4	12.5	75	500	Rabbit TClo, rat oral LD50
853	Demeton	8065-48-3	0.1	0.15	2	10	PEL-TWA, TLV-TWA*3, LOC, IDLH
854	Demeton-s-methyl	919-86-8	0.05	0.15	5	200	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
855	Deoxyribonucleic acid; (DNA)	9007-49-2	12.5	35	250	500	Mouse ip LDlo minimum
856	Deuterium	7782-39-0	10,000	10,000	35,000	60,000	Simple asphyxiant
857	Deuterium oxide; (Heavy water)	7789-20-0	1,500	5,000	35,000	1.50E+05	TEEL-2/21, TEEL-2/7, mouse oral TDlo, TEEL-2*5
858	Deuterochloric acid; (Deuterium chloride)	7698-05-7	0.75	2.5	35	150	Used HCl PAC
859	Dextran	9004-54-0	0.35	1	6	500	Women iv TDlo, mouse sc 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
860	Dextran sulfate sodium	9011-18-1	15	40	300	500	Rat oral TDlo, rat oral LD50
861	Di(ethylene glycol) diacrylate	4074-88-8	1	3	20	100	Rat oral LD50
862	Di-2-ethylhexyl adipate	103-23-1	50	150	500	500	Rat ip TDlo, rat oral LD50
863	Diacetoxydibutyl stannane	1067-33-0	0.296	0.592	7.5	73.9	Sn organic PEL-TWA, TLV-STEL, rat oral TDlo preg, IDLH
864	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	7.5	20	150	500	Mouse uk TDlo
865	Dialifor	10311-84-9	1	3	5	5	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
866	Diallyl phthalate	131-17-9	3	50	250	250	UK OEL-TWA, TEEL-2/7, rat oral TDlo, rat 60 min LC50
867	Diallyldimethylammonium chloride	7398-69-8	25	75	500	500	Mammal oral TDlo, mouse oral LD50
868	Diallyldimethylammonium chloride polymer	26062-79-3	12.5	35	250	500	Rat oral TDlo, rat oral LD50
869	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
870	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	0.5	1.5	10	300	Rat oral TDlo, rat oral LD50
871	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	1	3	20	400	Human oral TDlo, rat oral LD50
872	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	3	7.5	60	300	Rat oral LD50
873	Diaminopyridine, 2,6-	141-86-6	0.4	1.25	7.5	40	Mouse ip LD50
874	Diammonium molybdate	27546-07-2	8.81	8.81	8.81	500	Mo soluble compound concentration limits

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
875	Diamond	7782-40-3	7.5	20	150	500	Mouse ip TDlo and ip LD50
876	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	0.1	0.35	2.5	7.5	Rat oral TDlo, rat oral LDlo
877	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
878	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-2	6	18	30	500	REL-TWA, TEEL-0*3, TEEL-0*5, IDLH
879	Diatomaceous silica, calcined	91053-39-3	0.3	0.9	1.5	500	MAK-TWA, TEEL-0*3, TEEL-0*5, IDLH
880	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	1	3	20	500	Rat oral TDlo, rat oral LD50
881	Diazabicyclo(5.4.0)undec-7-ene, 1,8-	6674-22-2	1.5	5	35	150	Rat oral LD50 based on HHR = 3
882	Diazoacetic acid; (Ethyl diazoacetate)	623-73-4	0.2	0.6	4	150	Rat oral TDlo, rat oral LD50
883	Diazomethane	334-88-3	0.35	1	3.5	3.5	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
884	Dibenza(a,h)anthracene	53-70-3	0.00075	0.0025	0.015	15	Rat sc TDlo, mouse iv LDlo
885	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	0.005	0.015	0.1	0.5	Mouse skin TDlo
886	Dibenzofuran	132-64-9	10	30	50	250	PNOS default used
887	Dibenzo-p-dioxin	262-12-4	1.5	4	30	500	Mouse skin TDlo, rat oral LD50
888	**Diborane**	**19287-45-7**	0.1	0.15	**1.1**	**4.19**	PEL-TWA, **PAC-2/7, AEGL-2, AEGL-3**
889	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	0.01	0.75	5	150	PEL-TWA, TEEL-2/7, rat TClo, rat 480 min LC50
890	Dibromo-4-nitrophenol, 2,6-	99-28-5	0.4	1.25	10	50	Mouse iv 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	2	6	40	150	Mouse oral TDlo, rat oral LD50
892	Dibromohexane, 1,6-	629-03-8	1	3.5	20	100	Mouse ip LD50
893	Dibromomethane; (Methylene dibromide)	74-95-3	60	200	1,500	7,500	PAC-2/21, PAC-2/7, rat TClo, rat 120 min LC50
894	Dibromophenol, 2,6-	608-33-3	0.5	0.5	2.5	2.5	**SAR**
895	Dibromopropane, 1,3-	109-64-8	2	6	40	200	Mouse ip LD50
896	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	1,500	5,000	35,000	1.50E+05	Rat 120 min LC50
897	Dibutyl (2-ethylhexyl)phosphate	z-0011	2.5	7.5	7.5	7.5	**SAR**
898	Dibutyl butylphosphonate	78-46-6	0.4	1.25	10	50	Mouse iv LD50
899	Dibutyl peroxide, tert-	110-05-4	7.5	20	150	2,500	Rat T+H915Clo, rat 240 min LC50
900	Dibutyl phosphate	107-66-4	7.5	15	50	250	PEL-TWA, REL-STEL, TEEL-3/5, IDLH
901	Dibutyl phosphite	1809-19-4	20	60	400	500	TEEL-2/21, TEEL-2/7, rat LC50 minimum, rat oral LD50
902	Dibutyl phthalate	84-74-2	5	15	75	500	PEL-TWA, TEEL-0*5, human oral TDlo, IDLH
903	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	12	36.1	60.1	500	Fluoride concentration limits
904	Dibutylhexamethylenediamine, N,N'-	4835-11-4	1	3	22	75	TEEL-2/21, TEEL-2/7, adjusted LOC, rat 240 min LC50
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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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, TEEL-0*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	0.075	100	750	TLV-TWA, TEEL-0*3, rat TClo, mouse 240 min LC50
910	Dichloro-2-propanol, 1,3-	96-23-1	30	100	250	250	Mouse TClo, rat 240 min LClo
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	Rat oral TDlo
916	Dichlorobenzene, m-	541-73-1	12.5	12.5	75	400	MAK-TWA, TEEL-0, TEEL-3/5, mouse ip 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	150	750	PEL-TWA, TEEL-0, human oral TDlo, IDLH
919	Dichlorobenzidene, 3,3'-	91-94-1	2	6	40	2,000	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	Estimated rat TClo, mouse 120 min LC50
922	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	5,000	15,000	50,000	75,000	PEL-TWA, EEGL-60 min 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
923	Dichloroethanol acetate, 1,2-	10140-87-1	2	6	11	40	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LClo
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	2	6	6	10	REL-TWA as soluble Al salts, Russian STEL, TEEL-1, MW-adjusted TEEL-0
926	Dichloroethylbenzene; (Ethyldichlorobenzene)	1331-29-9	20	60	500	500	TEEL-3/105, TEEL-3/35, TEEL-3, rat oral LD50
927	Dichloroethylene, 1,2-	540-59-0	750	2,500	4,000	4,000	PEL-TWA, TEEL-0*3, TEEL-0*5, 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, cis-and 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	125	400	20,000	TLV-TWA, TEEL-0*3, EEGL60 min, 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-3/105, TEEL-3/35, TEEL-3/5, estimated rat oral LDlo
933	Dichloroisopropyl ether	108-60-1	2	6	40	600	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat 60 min LClo
934	Dichloromethane-d2	1665-00-5	75	600	2,000	25,000	Used mehylene chloride values, D2 replacing H2
935	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	5	15	40	40	Rat oral TDlo, rat 240 min LClo
936	**Dichloromethyl ether; (bis(Chloromethyl)ether)**	**542-88-1**	0.004	0.03	**0.207**	**0.846**	TLV-TWA, PAC-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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
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	Rat oral LD50
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	1.5	5	35	150	Rat ip LD50
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	40	1,250	1,500	1,500	Propylene dichloride limits used
945	Dichloropropane, 1,1-	78-99-9	15	50	400	2,000	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 240 min LC50
946	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	40	1,250	1,500	1,500	TLV-TWA, TEEL-2/7, mouse TClo, 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	20	60	400	2,000	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat 360 min LClo minimum
949	Dichloropropene, 1,1-	563-58-6	4	12.5	20	750	OEL-TWA, TEEL-0*3, TEEL-0*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, rat 240 min LC50
952	Dichloropropene, 2,3-	78-88-6	1	3	20	400	TEEL-2/21, TEEL-2/7, mammal LClo, 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-2/21, TEEL-2/7, rat subcutaneous TDlo, TEEL-2*5

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
955	Dichloropropene, trans-1,3-	10061-02-6	4	75	600	750	Used limits for 542-75-6
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-2/21, TEEL-2/7, mouse 30 min TDlo, TEEL-2
958	Dichlorotetrafluoroethane, 1,2-; (Freon 114, CFC 114)	76-14-2	6,000	20,000	1.00E+05	1.00E+05	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
959	Dichlorovos; (Dichlorvos)	62-73-7	1	1	20	100	PEL-TWA, TEEL-0, LOC, IDLH
960	Dicrotophos	141-66-2	0.05	0.15	0.9	40	TLV-TWA, LOC, rat 240 min LC50
961	Dicyclohexano-18-crown-6	16069-36-6	0.2	0.6	4	75	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	Rat oral TDlo, rat oral LD50
966	Dieldrin	60-57-1	0.25	0.75	25	50	PEL-TWA, TEEL-0*3, rat oral TDlo, IDLH
967	Diesel fuel marine; (Diesel fuel No. 4)	z-0012	100	350	500	500	TLV-TWA, TEEL-2/7, mu sk TDlo, rat oral LD50
968	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	100	100	500	500	TLV-TWA, TEEL-2/7, mu sk TDlo, rat oral LD50
969	Diesel fuels	68334-30-5	100	250	500	500	TLV-TWA, TEEL-2/7, rat LClo, rat oral LD50
970	Diethanolamine	111-42-2	1	150	300	300	TLV-TWA, TEEL-2/7, rat oral TDlo, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
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	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**
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	Rat oral TDlo, rat orsl LD50
978	Diethyl malonate; (Ethyl malonate)	105-53-3	60	150	1,250	6,000	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	Mouse ip LD50
981	Diethyl oxalate	95-92-1	1.5	5	35	150	Rat oral LD50
982	Diethyl phosphite	762-04-9	15	50	350	500	Rat oral LD50
983	Diethyl phthalate; (Ethyl phthalate)	84-66-2	5	15	100	500	TLV-TWA, TEEL-2/7, human TClo, rat oral LD50
984	Diethyl pyrocarbonate	1609-47-8	10	30	200	500	Rat 60 min LClo
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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
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	40	40	200	600	PEL-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
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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1003	Diethylethanolamine, N,N-; (Diethylaminoethanol)	100-37-8	50	50	100	500	PEL-TWA, TEEL-0, 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
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-2/7, TEEL-3, IDLH
1012	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	20	60	400	500	TEEL-2/21, TEEL-2/7, rat LClo, 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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1019	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	0.0042	0.25	1.5	8.4	As Pt, PEL-TWA, TEEL-0*3, 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-	117-10-2	25	75	200	200	Rat oral TDlo, mouse 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
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 LClo, IDLH
1034	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	0.0125	0.035	0.25	1.25	Rat 240 min 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
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; (Phosphorofluoridic 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	Diisopropylnaphthalene; (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**	**61.9**	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
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	Dimethoxybenzidene 3,3'-; (o-Dianisidine)	119-90-4	1.25	4	25	400	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
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	Estimated rat 240 min LClo
1050	Dimethoxydiphenylsilane	6843-66-9	0.15	0.5	3.5	15	Rat 240 min LC minimum

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
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	Dimethyglyoxime; (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	0.06	10	500	TLV-TWA, TEEL-0*3, 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 hydrogen phosphite	868-85-9	20	60	400	500	Rat oral TDlo, rat oral LD50
1060	Dimethyl mercury	593-74-8	0.0115	0.0345	0.046	2.3	PEL-TWA, TLV-STEL, PEL-C, IDLH
1061	Dimethyl methylphosphonate; (DMMP)	756-79-6	100	350	500	500	Mouse oral TDlo, rat oral LD50
1062	Dimethyl phosphorochloridothioate	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-2/21, TEEL-2/7, pregnant rat subcutaneous TDlo, rat oral LD50 minimum
1064	**Dimethyl sulfate**	**77-78-1**	0.124	**0.124**	**0.619**	**8.25**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
1065	**Dimethyl sulfide; (2-Thiopropane)**	**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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1067	Dimethyl sulfoxide; (DMSO)	67-68-5	750	750	750	6,000	WEEL-TWA, TEEL-0, TEEL-0, rat oral LD50
1068	Dimethyl(1-phenylethyl)benzene	40766-31-2	4	12.5	75	500	Rat oral TDlo, rat oral LD50.
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
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, rat TClo, IDLH
1078	Dimethylacrylamide, N,N-	2680-03-7	0.6	1.5	12.5	200	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 ip TDlo, 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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1082	Dimethylaminoazobenzene, 4-	60-11-7	15	50	75	75	TEEL-2/5, TEEL-2*3/5, mouse ip TDlo, rat oral LD50
1083	Dimethylaminoethanol, 2-	108-01-0	40	125	600	600	Rat TClo, rat 240 min LC50
1084	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	0.6	2	15	100	Rat oral TDlo, rat oral LD50
1085	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	1.5	5	35	150	Rat oral LD50 based on assumed HHR - 3
1086	Dimethylaniline, N,N-	121-69-7	25	50	50	500	PEL-TWA, TLV-STEL, PAC-1, IDLH
1087	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	0.1	0.3	2	100	TEEL-2/21, TEEL-2/7, REL-C, rat ip LD50
1088	Dimethylbutyric acid, 2,2-	595-37-9	7.5	25	150	500	Rat oral LD50 based on HHR = 2
1089	**Dimethylchlorosilane; (Chlorodimethylsilane)**	**1066-35-9**	2	**6.96**	**85.1**	**387**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1090	Dimethylcyclohexane, cis-1,4-	624-29-3	3.5	10	60	350	Estimated rat oral LD50
1091	Dimethyldecane, 2,2-	17302-37-3	350	350	1,500	7,500	NIOSH limits for Alkanes used
1092	**Dimethyldichlorosilane**	**75-78-5**	1.5	**4.75**	**68.6**	**280**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1093	Dimethyldicyclopentadiene	26472-00-4	7.5	25	200	500	Rat TClo, rat oral LD50
1094	Dimethyldimethoxysilane	1112-39-6	20	60	400	500	Rat 240 LClo minimum
1095	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	3	10	60	200	Guinea pig TClo, rat oral LD50
1096	**Dimethylformamide, N,N-**	**68-12-2**	6	**6**	**272**	**1,580**	PAC-1, **ERPG-1, AEGL-2, AEGL-3**
1097	Dimethylheptane, 2,2-	1071-26-7	350	350	1,500	7,500	NIOSH limits for Alkanes used

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1098	Dimethylhexane, 3,3-	563-16-6	350	350	1,500	7,500	NIOSH limits for Alkanes used
1099	**Dimethylhydrazine, 1,1-**	**57-14-7**	1.25	1.25	**7.37**	**27**	PEL-TWA, PEL-TWA, **AEGL-2, AEGL-3**
1100	**Dimethylhydrazine, 1,2-**	**540-73-8**	1.5	4	**7.37**	**27**	PAC-2/5, PAC-2*3/5, **AEGL-2, AEGL-3**
1101	Dimethylimidizole, 1,2-	1739-84-0	4	12.5	75	400	Mouse ip LD50
1102	Dimethylisopropylamine, N,N-	996-35-0	3.6	10.8	18	75	MAK-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1103	Dimethylnonane, 4,5-	17302-23-7	750	1,500	4,000	7,500	Estimated OEL TWA
1104	Dimethyloctane, 3,5-	15869-93-9	600	1,000	3,000	6,000	Estimated OEL TWA
1105	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	0.3	1	6	500	Mouse skin TDlo, rat oral LD50
1106	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	0.75	2	15	125	Rat TClo, rat oral LD50
1107	Dimethylphthalate	131-11-3	5	15	75	500	PEL-TWA, TEEL-0*3, pregnant rat TDlo, IDLH
1108	Dimethylpolysilane; (Poly(dimethylsilane))	28883-63-8	100	300	2,000	10,000	Based on Trimethoxysilane ERPGs, using x = 5 in MF
1109	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
1110	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	1,500	1,500	1,500	4,000	TEEL-2, TEEL-2, REL-C, IDLH
1111	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	0.75	2.5	15	75	Rat oral LD50
1112	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	10	30	50	250	Used PNOS default
1113	Dimetilan	644-64-4	5	15	25	25	TEEL-2/5, TEEL-2*3/5, LOC, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1114	Di-N-amylamine	2050-92-2	0.4	1.25	7.5	40	Rat 240 min LClo
1115	Di-n-butylamine	111-92-2	1.25	3.5	25	250	TEEL-2/21, TEEL-2/7, WEEL-C, rat 240 min LClo
1116	Dinitraniline orange; (Hansa orange RN)	3468-63-1	10	30	50	250	Used PNOS default
1117	Dinitroaniline, 2,4-	97-02-9	0.035	0.1	0.75	12.5	Pregnant rat TClo, rat oral LD50
1118	Dinitrobenzene, m-	99-65-0	1	3	25	50	PEL-TWA TEEL-0*3, rat oral TDlo, IDLH
1119	Dinitrobenzene, o-	528-29-0	1	3	5	50	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1120	Dinitrobenzene, p-	100-25-4	1	3	5	50	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1121	Dinitro-o-cresol, 4,6-	534-52-1	0.2	0.2	0.5	5	PEL-TWA, TEEL-0, LOC, IDLH
1122	Dinitrophenol	25550-58-7	0.035	0.1	0.75	4	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse subcutaneous LD50
1123	Dinitrophenol, 2,3-	66-56-8	0.75	2	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat ip LD50
1124	Dinitrophenol, 2,4-	51-28-5	1.25	3.5	25	30	TEEL-2/21, TEEL-2/7, rat oral TDlo, human oral LDlo
1125	Dinitrophenol, 2,6-	573-56-8	0.15	0.4	3	15	Rat ip LD50
1126	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	2.5	7.5	50	250	Mouse iv LD50
1127	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	0.5	1.5	10	60	Mouse oral TDlo, rat oral LD 50
1128	Dinitrotoluene	25321-14-6	0.2	0.6	12.5	50	TLV-TWA, TEEL-0*3, pregnant rat oral TDlo, IDLH
1129	Dinitrotoluene, 2,4-	121-14-2	0.2	0.6	50	50	TLV-TWA, TEEL-0*3, rat oral TDlo, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1130	Dinitrotoluene, 2,6-	606-20-2	0.2	0.6	6	50	TLV-TWA, TEEL-0*3, rat oral TDlo, IDLH
1131	Dinitrotoluene, 3,4-	610-39-9	0.2	0.6	1	50	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
1132	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	0.75	2.5	4.5	10	TEEL-2/5, TEEL-2*3/5, LOC, cat 180 min LClo
1133	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
1134	Dioctyl phthalate, n-	117-84-0	15	50	400	500	Rat ip TDlo, rat oral LD50
1135	Dioctyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	7.5	20	150	500	Rat iv LD50
1136	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	7.5	20	150	500	Rat oral TDlo, rat oral LD50.
1137	**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**
1138	Dioxathion	78-34-2	0.1	0.3	3.4	150	TLV-TWA, TEEL-0*3, LOC, rat 60 min LC50
1139	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, human skin TDlo, rat oral LD50
1140	Dioxolane, 1,3-	646-06-0	60	150	210	7,500	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1141	Dipentaerythritol; (Dipentek)	126-58-9	10	30	50	250	Used PNOS default
1142	Dipentyl pentylphosphonate	6418-56-0	25	75	500	500	Rat oral LDlo minimum
1143	Diphacinone; (Diphenadione)	82-66-6	0.15	0.5	0.9	500	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50
1144	Diphenyl cresol phosphate	26444-49-5	2.5	7.5	50	500	Guinea pig skin TDlo, rat oral LD50
1145	Diphenyl mercury	587-85-9	0.177	0.177	0.177	17.7	TLV-TWA, TEEL-2, PEL-C, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1146	**Diphenyl; (Biphenyl)**	**92-52-4**	1.25	7.5	**60.5**	100	PEL-TWA, PAC-2/7, **AEGL-2**, IDLH
1147	Diphenylamine	122-39-4	10	30	500	500	TLV-TWA, TEEL-0*3, rat oral TDlo, TEEL-2
1148	**Diphenylchloroarsine; (Chlorodiphenylarsine)**	**712-48-1**	0.39	0.39	**0.39**	**1.2**	PAC-2, PAC-2,-**AEGL-2, AEGL-3**
1149	**Diphenyldichlorosilane**	**80-10-4**	3	**9.31**	**114**	**517**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1150	Diphenylguanidine, 1,3-	102-06-7	0.2	0.6	4	125	Mouse oral TDlo, rat oral LD50
1151	Diphenylhydrazine, 1,2-	122-66-7	0.2	0.6	4	125	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
1152	Diphenylmethane	101-81-5	7.5	25	200	500	Rat oral LD50
1153	Diphenylnitrosamine	86-30-6	7.5	25	150	500	Rat oral TDlo, rat oral LD50
1154	Diphenyloxazole, 2,5-	92-71-7	3	7.5	60	300	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse ip LD50
1155	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	10	30	50	250	Used PNOS default
1156	Dipotassium cadmium oxide	z-0013	0.0099	0.0594	0.1	17.8	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1157	Dipotassium dihydrogen silicate	z-0014	10	30	50	250	Used PNOS default
1158	Dipotassium metasilicate	10006-28-7	6	15	125	500	**SAR**
1159	Dipropyl ketone; (4-Heptanone)	123-19-3	200	1,500	1,500	1,500	TLV-TWA, TEEL-3, TEEL-3, rat 360 min LC50
1160	Dipropylamine	142-84-7	0.2	0.6	4	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat 240 min LC50
1161	Dipropylene glycol methyl ether	34590-94-8	600	750	1,500	3,500	PEL-TWA, TLV-STEL, rat LClo, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1162	Direct Black 38; (Apomine black GX)	1937-37-7	25	75	500	500	Mouse oral TDlo, rat 60 min LClo
1163	Di-sec-octylphthalate	117-81-7	5	10	75	500	TLV-TWA, REL-STEL, mouse oral TDlo, IDLH
1164	Disodium (2-ethylhexyl)phosphate	15505-13-2	0.02	0.06	0.4	2	**SAR**
1165	Disodium 3,6-endoxohexahydrophthalate	129-67-9	1	3	20	20	Rat oral TDlo, rat oral LD50
1166	Disodium butylphosphate	64114-42-7	0.02	0.06	0.4	2	**SAR**
1167	Disodium cadmium oxide	z-0016	0.00847	0.0508	0.0847	15.2	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1168	Disodium dihydrogen silicate	z-0017	10	30	50	250	Used PNOS default
1169	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	4	12.5	75	400	**SAR**
1170	Disodium hexafluorosilicate (2-)	16893-85-9	4.12	4.12	5	5	Fluoride PEL-TWA, TEEL-3, TEEL-3, human oral LDlo
1171	Disodium iminodiacetate	928-72-3	35	100	600	3,500	Rat oral LD50
1172	Disulfiram	97-77-8	2	6	10	125	TLV-TWA, TEEL-0*3, TEEL-0*5, human oral LDlo
1173	Disulfoton	298-04-4	0.05	0.15	2	75	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1174	Di-tert-butyl dicarbonate	24424-99-5	0.4	1.25	7.5	40	Rat 240 min LC50
1175	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
1176	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	4	12.5	20	20	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1177	Dithiobiuret	541-53-7	1	3	5	5	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1178	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	0.75	2	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1179	Dithioerythritol, 1,4-	6892-68-8	1.25	4	25	125	Mouse intramuscular LD50
1180	Diurethane dimethacrylate	72869-86-4	75	250	500	500	Rat oral toxicity based on HHR
1181	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	50	60	400	2,000	REL-TWA, mean rat oral LD50
1182	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	50	60	400	2,000	TLV-TWA, rat oral LD50
1183	Dodecamethylcyclohexasiloxane	540-97-6	10	30	50	500	**SAR**
1184	Dodecane	112-40-3	0.125	0.35	2.5	150	Rabbit skin TDlo, rat 480 min LC50 minimum
1185	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	0.75	0.75	4	20	TLV-TWA, TEEL-0, REL-C, TEEL-2*5
1186	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	10	30	50	250	PNOS default used
1187	Dodecenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	10	30	200	500	Rat oral LD50
1188	Dodecenylsuccinic anhydride	25377-73-5	5	15	100	500	Rat 240 min LClo
1189	Dodecyl alcohol	112-53-8	0.4	1	7.5	500	Mouse skin TDlo, rat oral LD50
1190	Dodecyl methacrylate	142-90-5	50	150	1,000	5,000	Rat ip LD50
1191	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0	2.5	7.5	50	250	Rat oral LD50
1192	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
1193	Dodecylsarcosine sodium salt, N-; (N-laurel sarcosine sodium salt)	7631-98-3	1.5	4	30	150	Mouse iv 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	**Dodecyltrichlorosilane**	**4484-72-4**	2.5	**7.45**	**90.6**	**410**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1195	Dowex 50WX4 (50-400 ion exchange resin)	11113-61-4	10	30	50	250	Used PNOS default
1196	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	10	30	50	250	Used PNOS default
1197	Dysprosium	7429-91-6	10	30	50	250	Used PNOS default
1198	Dysprosium nickelide	12175-27-8	10	30	50	250	Used PNOS default
1199	Dysprosium nitrate	10143-38-1	10	30	200	500	Rat oral LD50
1200	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	20	60	400	500	Rat oral LD50 minimum
1201	Ecolite	z-0018	20	60	400	500	Rat oral LD50
1202	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
1203	Endosulfan	115-29-7	0.1	0.3	0.8	35	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1204	Endothion	2778-04-3	3.5	10	17	17	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1205	Endrin	72-20-8	0.1	0.3	2	2	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
1206	Epibatidine	140111-52-0	0.0015	0.004	0.025	0.025	TEEL-2/21, TEEL-2/7, rat ip TDlo, rat ip LD50
1207	Epibromohydrin	3132-64-7	1.25	3.5	25	125	Mouse ip LD50
1208	**Epichlorohydrin**	**106-89-8**	1.5	**21.6**	**90.8**	**272**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
1209	Epinephrine; (Vasotonin; (R)-4-(1-Hydroxy-2-(methylamino)ethyl)-1,2-benzenediol)	51-43-4	0.0025	0.0025	0.0025	0.0025	T-2/21, T-2/7, human oral TDlo, human subcutaneous LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1210	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	0.5	0.5	5	5	PEL-TWA, TLV-TWA*3, LOC, IDLH
1211	Epoxy resin (EPON 1001)	25068-38-6a	125	350	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1212	Epoxy resin (EPON 1007)	25068-38-6b	125	350	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1213	Epoxy resin (EPON 820)	25068-38-6c	50	150	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1214	Epoxy resin ERL-2795	25068-38-6d	40	125	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1215	Epoxy resin, cured; (4,4'-(1-Methylethylidene)biscyclohexanol, polymer with (chloromethyl)oxirane)	30583-72-3	10	30	50	250	Used PNOS default
1216	Epoxy resin; (Bisphenol A-Bisphenol A diglycidyl ether polymer))	25036-25-3	7.5	25	150	500	Rat oral LD50 estimated from HHR = 2
1217	Epoxy resin; (Epichlorhydrin, polymer with diethylene glycol)	25928-94-3	0.06	0.2	1.25	6	Rat 240 min LClo
1218	Epoxybutane, 1,2- ; (1,2-Butylene oxide)	106-88-7	6	200	600	600	WEEL-TWA, TEEL-2/7, TEEL-3, rat 240 min LC50
1219	Epoxyethyl)-7-oxabicyclo(4.1.0)heptane, 3-(; (Vinyl cyclohexene dioxide)	106-87-6	0.6	2	12.5	500	TLV-TWA, rat skin TDlo, rat 240 min LC50
1220	Erbium nitrate pentahydrate	10031-51-3	10	30	50	250	Used PNOS default
1221	Erbium(III) nitrate	10168-80-6	0.2	0.6	5	25	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat intravenous LD50
1222	Erbium(III) nitrate hexahydrate	13476-05-6	1	3	20	100	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1223	Erbium(III) oxide	12061-16-4	20	60	400	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50 minimum
1224	Ergocalciferol; (Vitamin D2)	50-14-6	7.5	25	40	40	LOC, rat oral LD50
1225	Ergotamine tartrate	379-79-3	2	6	10	60	TEEL-2/5, TEEL-2*3/5, LOC, rat intravenous 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1226	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	10	30	50	250	Used PNOS default
1227	Ethane	74-84-0	1,250	3,500	6,000	30,000	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1228	Ethanedioic acid, dimethyl ester	553-90-2	4	12.5	75	400	Rat oral LD minimum
1229	Ethanedithiol, 1,2-	540-63-6	1.25	4	30	150	Mouse oral LD50
1230	Ethanediyl)bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	15	50	400	500	Rat oral LD50
1231	Ethanediylbis(N-(carboxymethyl)glycine), N,N'-1,2-, dipotassium salt	2001-94-7	1.5	5	40	200	Mouse ip LD50
1232	Ethanediylbis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	10	30	50	250	Used PNOS default
1233	**Ethanethiol; (Ethyl mercaptan)**	**75-08-1**	1.25	**2.54**	**305**	**914**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
1234	Ethanol, titanium(4+) salt	3087-36-3	10	30	50	250	Used PNOS default
1235	Ethanolamine	141-43-5	7.5	15	75	75	PEL-TWA, TLV-STEL, TEEL-3, IDLH
1236	Ethenylsilanetriol triacetate	4130-08-9	10	30	50	250	Used PNOS default
1237	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	0.15	0.5	4	20	Mouse sc LD50
1238	Ethion	563-12-2	0.05	0.15	13	350	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1239	Ethoxyethanol, 2-	110-80-5	15	50	75	1,500	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
1240	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
1241	Ethoxyethyl methacrylate, 2-	2370-63-0	4	12.5	75	400	Estimated rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1242	Ethoxyethylacetate, 2-	111-15-9	25	400	2,500	2,500	TLV-TWA, TEEL-2/7, rat TClo, IDLH
1243	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
1244	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
1245	Ethoxylated alcohols, C7-C21	68991-48-0	10	30	50	250	Used PNOS default
1246	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	5	15	100	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1247	Ethyl (or dimethyl) pyrrolidine	z-0020	5	15	100	500	**SAR**
1248	Ethyl acetate	141-78-6	1,500	1,500	1,500	7,500	PEL-TWA, TEEL-0, TEEL-0, IDLH
1249	Ethyl acetoacetate	141-97-9	15	50	350	500	Rat oral LD50
1250	**Ethyl acrylate**	**140-88-5**	20	**34**	**147**	**982**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
1251	Ethyl alcohol; (Ethanol)	64-17-5	1,500	1,500	1,500	6,000	PEL-TWA, TLV-STEL, TEEL-1, IDLH
1252	Ethyl alcohol-d; (Ethanol-d)	925-93-9	2,000	2,000	2,000	6,000	Used ethanol (64-17-5) PAC-TEELs
1253	Ethyl amyl ketone; (5-Methyl-3-heptanone; 3-Octanone)	541-85-5	125	125	125	500	PEL-TWA, TEEL-0, TEEL-0, IDLH
1254	Ethyl benzene	100-41-4	400	500	500	3,500	PEL-TWA, TLV-STEL, TEEL-1, IDLH
1255	Ethyl benzoate	93-89-0	7.5	25	150	500	Rat oral LD50
1256	Ethyl bromoacetate	105-36-2	0.006	0.02	0.125	0.6	Mouse skin TDlo
1257	Ethyl butyl ketone; (3-Heptanone)	106-35-4	200	350	750	4,000	PEL-TWA, TLV-STEL, TEEL-3/5, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1258	Ethyl cellulose	9004-57-3	20	60	400	500	Rat oral LD50 minimum
1259	Ethyl chloride; (Chloroethane)	75-00-3	250	5,000	10,000	10,000	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
1260	Ethyl chloroacetate	105-39-5	0.75	2	15	75	Rat oral LD50
1261	**Ethyl chloroformate**	**541-41-3**	4	4	**7.1**	**21.3**	UK OEL-TWA, OEL-TWA, **AEGL-2, AEGL-3**
1262	**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**
1263	Ethyl ether	60-29-7	1,250	1,500	1,500	6,000	PEL-TWA, TLV-STEL, TEEL-1, IDLH
1264	Ethyl formate	109-94-4	300	750	1,500	4,000	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1265	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	5	15	125	500	TLV-TWA, PAC-2/7, pregnant rat TDlo, rat oral LD50
1266	Ethyl lactate; (Ethyl (S)-(-)-lactate)	687-47-8	15	40	300	500	Mouse oral LD50
1267	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	0.0132	0.0396	0.0529	2.64	PEL-TWA, TLV-STEL, PEL-C, IDLH
1268	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
1269	Ethyl nitrite	109-95-5	2	6	40	200	Rat 240 min LC50
1270	Ethyl O-2-diisopropylaminoethylmethylphosphonite, O-; (QL)	57856-11-8	10	30	50	250	Used PNOS default
1271	Ethyl propionate	105-37-3	35	100	750	4,000	Rat oral LD50
1272	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1273	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	10	30	50	250	PNOS TLV-TWA default used
1274	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
1275	**Ethyl-1-hexanol, 2-**	**104-76-7**	0.53	**0.53**	**639**	**1,210**	PAC-1, **ERPG-1, ERPG-2, ERPG-3**
1276	Ethyl-2-methylheptane, 3-	14676-29-0	75	250	2,000	10,000	Estimated rat LD50
1277	Ethyl-2-methyloctane, 6-	62016-19-7	2	6	40	200	PAC-3/105, PAC-3/35, PAC-3/5, undecane rat oral LD50
1278	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)
1279	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid ethyl ester)	120-47-8	250	500	500	500	Rat oral TDlo, mouse oral LD50
1280	Ethyl-5-methylheptane, 3-	52896-90-9	0.4	1	7.5	25,000	Mouse skin TDlo, mouse 120 min LC50
1281	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
1282	**Ethylamine; (Monoethylamine; Ethylamine anhydrous)**	**75-04-7**	13.8	**13.8**	**90.3**	**498**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
1283	Ethylbenzaldehyde, 2-	22927-13-5	50	150	1,000	6,000	Estimated rat LC50
1284	**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**
1285	**Ethylchlorothioformate**	**2941-64-2**	0.25	0.75	**1.41**	**4.28**	PAC-2/5, PAC-2*3/5, **AEGL-2, AEGL-3**
1286	**Ethyldichloroarsine; (Dichloroethylarsine)**	**598-14-1**	0.0233	0.0233	**0.029**	**0.086**	TLV-TWA, TEEL-0, **AEGL-2, AEGL-3**
1287	Ethylene	74-85-1	200	600	1,500	10,000	TLV-TWA, TEEL-0*3, rat TClo, mammal 5 min LClo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1288	**Ethylene chlorohydrin; (2-Chloroethanol)**	**107-07-3**	3	3	**13.2**	**39.5**	MAK-TWA, TEEL-0, **AEGL-2, AEGL-3**
1289	**Ethylene dibromide; (Dibromoethane)**	**106-93-4**	131	**131**	**184**	**353**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
1290	**Ethylene dichloride; (1,2-Dichloroethane)**	**107-06-2**	202	**202**	**810**	**1,210**	PEL-TWA, **ERPGs-1, ERPG-2, ERPG-3**
1291	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
1292	Ethylene glycol	107-21-1	25	25	100	150	MAK-TWA, TEEL-0, EEGL-60 min, EEGL-30 min
1293	Ethylene glycol diacetate	111-55-7	25	75	500	500	Rat T+H1308Clo, rat oral LD50
1294	Ethylene glycol dimethacrylate	97-90-5	12.5	40	300	500	Rat oral LD50
1295	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
1296	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
1297	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
1298	Ethylene glycol mono-sec-butyl ether	7795-91-7	3	10	60	350	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1299	**Ethylene oxide; (Oxirane)**	**75-21-8**	1.5	7.5	**81**	**360**	PEL-TWA, PEL-STEL, **AEGL-2, AEGL-3**
1300	Ethylene/vinyl acetate copolmer	24937-78-8	10	30	50	250	Used PNOS default
1301	Ethylenediamine dihydrochloride	333-18-6	0.1	0.3	2	60	Rat oral TDlo, rat im LD50
1302	**Ethylenediamine, 1,2-**	**107-15-3**	23.8	23.8	**23.8**	**49.1**	PAC-2, PAC-2, **AEGL-2, AEGL-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1303	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	60	150	500	500	Pregnant rat oral TDlo, rat oral LD50
1304	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	10	30	50	250	Used PNOS default
1305	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	2.5	7.5	50	250	Mouse intraperotoneal LD50
1306	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	7.5	25	150	500	Estimated rat oral LD50 from HHR
1307	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)	64-02-8	40	125	500	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1308	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	40	125	150	150	TEEL-2/21, TEEL-2/7, TEEL-3, rat intraperitoneal LD50
1309	Ethylenedinitrilo)tetra-2-propanol, 1,1',1'',1'''-(	102-60-3	15	50	350	500	Mammalian LD50
1310	**Ethyleneimine**	**151-56-4**	0.075	0.15	**8.1**	**17.4**	TLV-TWA, TLV-STEL, **AEGL-2, AEGL-3**
1311	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	0.75	2.5	15	500	TEEL-2/21, TEEL-2/7, pregnant rat TClo, rat oral LD50
1312	Ethylheptane, 4-	2216-32-2	15	50	350	1,500	Estimated rat oral LD 50 based on HHR
1313	Ethylhexyl acrolate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	4	12.5	75	75	Rat TClo, Mouse LClo
1314	Ethylhexyl bromide, 2-	18908-66-2	10	30	50	250	Used PNOS default
1315	**Ethylhexylchloroformate, 2-**	**24468-13-1**	0.35	1	**7.64**	**22.8**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
1316	Ethylhexyloxy)ethanol, 2-(2-	1559-35-9	100	350	500	500	Rat oral TDlo, rat oral LD50
1317	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	400	1,250	12,500	12,500	PEL-TWA, TEEL-0*3, TEEL-3, IDLH
1318	**Ethylidene norbornene**	**16219-75-3**	0.3	**0.982**	**491**	**2,460**	PAC-1/3, **ERPG-1, ERPG-2, ERPG-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1319	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	10	30	50	250	PNOS default used
1320	**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**
1321	Ethylthiocyanate	542-90-5	20	60	100	100	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1322	Ethyltoluene, o-	611-14-3	500	500	500	500	Rat TClo, mouse 240 min LC50
1323	Ethyltoluene, p-	622-96-8	500	500	500	500	Rat TClo, mouse 240 min LC50
1324	Europium	7440-53-1	10	30	50	250	Used PNOS default
1325	Europium nitrate; (Europium trinitrate)	10138-01-9	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1326	Europium oxide	1308-96-9	20	60	400	500	PAC-3/105, PAC-3/35, PAC-3/5, rat oral LD50 minimum
1327	Europium(II) iodide	22015-35-6	10	30	50	250	PNOS default used
1328	Farnesol	4602-84-0	25	75	500	500	Rat oral LD50
1329	Fatty acids, tall-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	66070-62-0	10	30	50	250	PNOS default used
1330	Fenamiphos	22224-92-6	0.05	0.15	0.9	40	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1331	Fensulfothion	115-90-2	0.01	0.03	2	12.5	TLV-TWA, TEEL-0*3, LOC, rat 60 min LC50
1332	Fenthion	55-38-9	0.05	0.15	40	40	TLV-TWA, TEEL-0*3, TEEL-3, human LDlo
1333	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1334	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
1335	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
1336	Ferric chloride	7705-08-0	2.9	2.9	10	125	TLV-TWA, TEEL-0, rat intratesticular TDlo, rat oral LD50
1337	Ferric chloride hexahydrate	10025-77-1	4.84	75	100	100	TLV-TWA, TEEL-2/7, TEEL-3, mouse ip LD50
1338	Ferric fluoride	7783-50-8	4.95	12.5	100	495	As F, PEL-TWA, TEEL-0*3, TEEL-3/5, IDLH
1339	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
1340	Ferric nitrate	10421-48-4	4.33	13	21.7	500	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
1341	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	7.24	40	250	500	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
1342	Ferric phosphate	10045-86-0	2.7	8.1	13.5	60	TLV-TWA, TEEL-0*3, TEEL-0*5, PAC-2*5
1343	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	3.58	10.7	17.9	75	TLV-TWA, TEEL-0*3, TEEL-0*5, mouse ip LDlo
1344	Ferrous ammonium sulfate	10045-89-3	5.09	15.3	25.4	125	TLV-TWA, TEEL-0*3, TEEL-0*5, PAC-0*25
1345	Ferrous carbonate	563-71-3	15	40	300	500	PAC-3/105, PAC-3/35, PAC-3/5, mouse oral LD50
1346	Ferrous chloride	7758-94-3	2.27	6.81	11.3	200	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
1347	Ferrous disulfide; (Iron disulfide)	12068-85-8	2.15	6.44	10.7	50	TLV-TWA, TEEL-0*3, TEEL-0*5, PAC-0*25
1348	Ferrous hydroxide; (Iron(II) hydroxide)	18624-44-7	3.5	10	75	400	TEEL-3/105, TEEL-3/35, TEEL-3/5, rabbit oral LD
1349	Ferrous sulfamate	14017-39-1	2.79	8.38	14	60	TLV-TWA, TEEL-0*3, TEEL-0*5, PAC-0*25

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1350	Ferrous sulfate	7720-78-7	2.72	8.16	13.6	350	Fe TLV-TWA, TEEL-0*3, TEEL-0*5, child oral LDlo
1351	Ferrous sulfate heptahydrate	7782-63-0	4.98	14.9	25	500	TLV-TWA, TEEL-0*3, TEEL-0*5, mouse oral LD50
1352	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	5	15	60	500	TLV-TWA, TEEL-0*3, rat LClo, mouse intratracheal LDlo
1353	Fluenetil	4301-50-2	1.25	3.5	6	6	PAC-2/5, PAC-2*3/5, LOC, rat oral LD50
1354	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	2.89	7.5	60	289	PEL-TWA, TEEL-3/35, TEEL-3/5, IDLH
1355	Fluoranthene	206-44-0	7.5	25	150	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
1356	Fluorene, 9H-	86-73-7	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intraperitoneal LD50 minimum
1357	Fluorides (as F)	16984-48-8	2.5	7.5	12.5	250	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1358	**Fluorine**	**7782-41-4**	0.15	**2.64**	**7.75**	**20.2**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
1359	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	7.5	25	150	500	Rat oral LD50 based on HHR = 2
1360	Fluoro-4-nitrophenol, 2-	403-19-0	0.75	2.5	15	75	**SAR**
1361	Fluoro-6-nitrophenol, 2-	1526-17-6	0.75	2.5	15	75	**SAR**
1362	Fluoroacetamide	640-19-7	1	3.5	5.8	5.8	PAC-2/5, PAC-2*3/5, LOC, human oral LDlo
1363	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	0.05	0.15	0.5	2.5	PEL-TWA, TEEL-0*3, LOC, IDLH
1364	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
1365	Fluoroacetyl chloride	359-06-8	2	6	10	10	TEEL-2/5, TEEL-2*3/5, LOC, mouse 10 min LClo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1366	Fluoroaniline, p-	371-40-4	1.5	5	35	150	Rat oral LD50
1367	Fluorobenzene	462-06-6	125	350	500	500	
1368	**Fluorosulfonic acid; (Fluorosulfuric acid)**	**7789-21-1**	2	**2**	**10**	**30**	PAC-1, **ERPG-1, ERPG-2, ERPG-3**
1369	Fluorotrimethylsilane	420-56-4	10	30	200	1,000	
1370	Fluorouracil	51-21-8	0.75	2.5	19	100	TEEL-2/21, TEEL-2/7, LOC, rat oral LD50
1371	Fonofos	944-22-9	0.1	0.3	1.3	200	TLV-TWA, TEEL-0*3, LOC, rat 60 min LC50
1372	Food Red 15; (FD&C Red No. 19)	81-88-9	0.4	1.25	7.5	50	
1373	Forane	26675-46-7	15,000	35,000	35,000	35,000	TClo and LC50 r inhalation data
1374	**Formaldehyde**	**50-00-0**	0.35	**1.1**	**17.2**	**68.7**	TLV-C, **AEGL-1, AEGL-2, AEGL-3**
1375	Formaldehyde cyanohydrin; (Hydroxyacetonitrile; Glycolonitrile)	107-16-4	0.3	0.75	5.99	10	TEEL-2/21, TEEL-2/7, LOC, rat 480 min LClo
1376	Formamide	75-12-7	15	35	250	2,500	TLV-TWA, TEEL-2/7, pregnant rat oral TDlo, rat oral LD50
1377	Formetanate hydrochloride	23422-53-9	3.5	10	18	18	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1378	Formic acid	64-18-6	7.5	15	15	50	PEL-TWA, TLV-STEL, TEEL-1, IDLH
1379	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	4	12.5	75	400	
1380	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
1381	Formothion	2540-82-1	0.05	0.15	0.27	500	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1382	Formparanate	17702-57-7	1.5	4	7.2	7.2	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2.
1383	Formylpiperidine, 1-	2591-86-8	15	50	400	400	Rat oral TDlo preg, rat oral LD50
1384	Fosthietan	21548-32-3	0.75	2.5	4.7	4.7	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1385	Fuberidazole	3878-19-1	0.6	2	3.3	125	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LC50
1386	Fuel oil, residual	68476-33-5	10	30	200	500	TEEL-2/21, TEEL-2/7, rat skin TDlo, TEEL-2*5
1387	Fuller's earth; (KAOLIN, 1332-58-7)	8031-18-3	2	6	125	500	TLV-TWA, TEEL-0*3, rat LClo, TEEL-2*5
1388	Fulminic acid; (Carbyloxime)	506-85-4	1	3	20	100	Human LC50 based on HHR = 3
1389	Fumaric acid	110-17-8	40	100	500	500	
1390	**Furan**	**110-00-9**	3.5	10	**18.9**	**52.9**	PAC-2/5, PAC-2*3/5, **AEGL-2, AEGL-3**
1391	**Furancarboxaldehyde, 2-; (Furfural)**	**98-01-1**	8	**8**	**39**	**393**	PAC-1, **ERPG-1, ERPG-2, ERPG-3**
1392	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	1.5	4	30	150	
1393	Furfuryl alcohol	98-00-0	40	60	60	300	TLV-TWA, TLV-STEL, TEEL-1, IDLH
1394	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
1395	Gadolinium	7440-54-2	500	500	500	500	
1396	Gadolinium chloride hexahydrate	13450-84-5	40	75	75	75	Rat oral TDlo, mouse iv LD50
1397	Gadolinium hydroxide	16469-18-4	0.75	0.75	2.5	75	**SAR**

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1398	Gadolinium nitrate, solid	10168-81-7	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1399	Gadolinium nitrite	z-0022	0.04	0.125	0.75	75	**SAR**
1400	Gadolinium(III) oxide	12064-62-9	2	6	50	500	TEEL-2/21, TEEL-2/7, mouse LClo, rat oral LD50 minimum
1401	Gallic acid monohydrate	5995-86-8	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LD50
1402	Gallium	7440-55-3	10	30	50	250	Used PNOS default
1403	Gallium oxide	12024-21-4	1.5	5	40	500	TEEL-2/21, TEEL-2/7, rat LClo, mouse oral LD50
1404	Gallium trichloride	13450-90-3	6	20	32	100	TEEL-1/3, TEEL-2*3/5, LOC, rat 180 min LClo
1405	Gallium trifluoride	7783-51-9	5.56	16.7	27.8	125	
1406	Gasoline	8006-61-9	750	1,500	1,500	4,000	TLV-TWA, -STEL, human TClo, rat LC50
1407	Gelatin; (Pharmagel A)	9000-70-8	2.5	7.5	60	300	
1408	Germane; (Germanium tetrahydride)	7782-65-2	0.6	1.5	30	600	TLV-TWA, TEEL-0*3, rat LClo, rat LC50
1409	Germanium	7440-56-4	0.0125	0.035	0.25	500	TEEL-2/21, TEEL-2/7, human oral TDlo, rat oral LD50
1410	Germanium oxide	1310-53-8	0.75	2	15	500	
1411	Germanium tetrafluoride	7783-58-6	4.89	12.5	100	489	As fluorides, PEL-TWA, teel-3/35, teel-3/5, IDLH
1412	Germanous acid	z-0023	2	6	40	200	
1413	Giemsa's stain; (Blood stain)	51811-82-6	10	30	50	250	Used PNOS default

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1414	Gluconic acid, D-	526-95-4	10	30	50	250	Used PNOS default
1415	Glucose monohydrate, D(+)-; (Dextrose)	14431-43-7	10	30	50	250	Used PNOS default
1416	Glucose, alpha-D-; (alpha-Dextrose)	492-62-6	0.4	1.25	7.5	500	Women iv TDlo, rat oral LD50
1417	Glucose, D-; (Dextrose, anhydrous)	50-99-7	0.4	1.25	7.5	500	Women iv TDlo, rat oral LD50
1418	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	2	6	40	200	
1419	**Gluteraldehyde**	**111-30-8**	0.2	**0.82**	**4.1**	**20.5**	MAK-TWA, **ERPG-1, ERPG-2, ERPG-3**
1420	Glycerine (mist); (Glycerol; Glycerin)	56-81-5	15	125	500	500	PEL-TWA, TEEL-2/7, human oral TDlo, rat oral LD50
1421	Glycerine carbonate; (4-Hydroxymethyl-1,3-dioxolan-2-one)	931-40-8	10	30	50	250	Used PNOS default
1422	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
1423	Glycidaldehyde	765-34-4	0.06	0.2	1.5	75	
1424	Glycidol; (Oxiranemethanol)	556-52-5	6	12.5	75	400	TLV-TWA, TEEL-2/7, rat TClo, IDLH
1425	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimethoxysilane)	2530-83-8	150	400	500	500	Rat LClo, rat TClo
1426	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	0.6	2	12.5	60	Rat 240 min LClo
1427	Glycine; (Aminoacetic acid)	56-40-6	25	75	500	500	
1428	Glycol carbonate; (Ethylene carbonate)	96-49-1	40	125	500	500	
1429	Glycolic acid; (Hydroxyacetic acid)	79-14-1	75	250	500	500	T-2/21, T-2/7, rat TClo, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1430	Glycols, polyethylene, dimethyl ether	24991-55-7	75	200	500	500	Rat oral TDlo, rat oral LDlo
1431	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3	0.025	0.075	0.6	60	
1432	Glycoluril; (Acetyleneurea)	496-46-8	10	30	50	250	Used PNOS default
1433	Glyoxal	107-22-2	0.1	35	75	75	TLV-TWA, TEEL-2/7, TEEL-3, rat oral LD50
1434	Goethite; (Iron hydroxide oxide)	1310-14-1	5	7.5	12.5	250	**SAR**
1435	Gold	7440-57-5	7.5	25	100	100	TEEL-2/21, TEEL-2/7, TEEL-3, rat intravenous LDlo
1436	Graphite; (Mineral carbon)	7782-42-5	2	6	10	500	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
1437	Grease; (Animal grease, inedible)	68153-81-1	10	30	50	250	Used PNOS default
1438	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	0.125	0.35	2.5	40	
1439	Guanidinehydrochloride	50-01-1	2	6	40	200	Rat oral LD50
1440	Hafnium	7440-58-6	0.5	1.5	2.5	50	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1441	Hafnium oxide	12055-23-1	0.59	1.77	3	59	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1442	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	75	250	1,500	35,000	TEEL-2/21, TEEL-2/7, human 1 min LClo, rat 15 min LC50
1443	Hansa yellow	13515-40-7	10	30	50	250	Used PNOS default
1444	Helium	7440-59-7	10,000	10,000	35,000	60,000	Simple asphyxiant
1445	Hematoxylin	517-28-2	0.075	0.25	2	10	TEEL-2/21, TEEL-2/7, rat oral TDlo, TEEL-2

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1446	Heptachlor	76-44-8	0.05	0.15	35	35	TLV-TWA, TEEL-0*3, TEEL-3, IDLH
1447	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	0.05	0.15	6	6	TLV-TWA, TEEL-0*3, TEEL-3, rat oral LD50
1448	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	
1449	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	
1450	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	
1451	Heptadecane	629-78-7	150	500	3,500	15,000	
1452	Heptafluorobutyric acid	375-22-4	0.6	2	12.5	60	Mouse ip LD50
1453	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
1454	Heptane	142-82-5	1,500	1,500	1,500	3,000	TLV-TWA, TEEL-2, REL-C, IDLH
1455	Heptanoic acid	111-14-8	30	75	600	3,000	Rat oral LD50
1456	Heptanol, 1-; (Heptyl alcohol)	111-70-6	3.5	10	500	500	TEEL-1/3, Russ STEL, TEEL-3, mouse 120 min LC50
1457	Heptene, 1-	592-76-7	7,500	20,000	1.50E+05	7.50E+05	Mouse TClo
1458	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	0.212	6	42.3	63.5	TLV-TWA, TEEL-2/7, PEL-C, IDLH
1459	Hexachloroacetone	116-16-5	0.4	1.25	7.5	200	Rat oral TDlo, rat 180 min LC50
1460	Hexachlorobenzene	118-74-1	0.002	0.006	1.5	200	TLV-TWA, TEEL-0*3, human LClo, human LDlo
1461	**Hexachlorobutadiene**	**87-68-3**	0.2	**10.7**	**32.1**	**107**	TLV-TWA, **ERPG-1, ERPG-2, ERPG-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1462	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	0.5	1.5	2.5	500	MAK-TWA, TEEL-0*3, TEEL-0*5, human oral LDlo
1463	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
1464	Hexachlorocylopentadiene	77-47-4	0.1	0.2	0.2	0.2	TLV-TWA, TEEL-2, LOC, TEEL-2
1465	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	
1466	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	0.0025	0.0075	0.06	0.3	TEEL-2/21, TEEL-2/7, mouse oral TDlo, TEEL-2*5
1467	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	0.00075	0.0025	0.015	0.075	TEEL-2/21, TEEL-2/7, rat oral TDlo, TEEL-2*5.
1468	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	0.04	0.125	0.75	4	
1469	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
1470	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	0.005	0.015	0.1	0.5	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse oral LD50
1471	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	
1472	Hexachloroethane	67-72-1	10	30	400	3,000	PEL-TWA, TEEL-0*3, rat oral TDlo, IDLH
1473	Hexachloronaphthalene	1335-87-1	0.2	0.2	0.2	2	PEL-TWA, TEEL-0, TEEL-0, IDLH
1474	Hexachlorophene	70-30-4	1	3	20	200	TGEEL-2/21, TEEL-2/7, Infant oral TDlo, child oral LDlo
1475	Hexachloropropene	1888-71-7	1.5	4	30	150	
1476	Hexadecanamine, 1-	143-27-1	0.125	0.35	2.5	75	Mouse oral TDlo preg, mouse ip LD50
1477	Hexadecane	544-76-3	3	7.5	60	500	Guinea pig skin TDlo, mouse intravenous LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1478	Hexadecanoic acid; (Palmitic acid)	57-10-3	25	50	50	50	
1479	Hexadecanol, 1-	36653-82-4	2.5	7.5	60	300	
1480	Hexadecene, 1-	629-73-2	4	12.5	75	400	Rat 60 min LClo minimum
1481	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	0.075	0.25	2	10	Rat 240 min LC50
1482	Hexadecyltrimethylammonium chloride	112-02-7	2.5	7.5	50	250	Mouse oral LDlo
1483	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	50	150	1,000	6,000	Rat 240 min LC50
1484	**Hexafluoroacetone**	**684-16-2**	0.6	0.6	**1.36**	**543**	TLV-TWA, TEEL-0, **AEGL-2, AEGL-3**
1485	Hexafluorobenzene	392-56-3	1,250	3,500	12,500	12,500	Dog TClo, rat 30 min LC50
1486	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	2	6	40	200	Rat 240 min LC50
1487	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	2.50E+05	2.50E+05	2.50E+05	2.50E+05	Rat TClo
1488	**Hexafluoropropylene; (Hexafluoropropene)**	**116-15-4**	0.6	**245**	**558**	**2,940**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
1489	Hexafluoropropylene-vinylidene fluoride polymer; (Viton)	9011-17-0	10	30	50	250	PNOS default
1490	Hexamethylcyclotrisiloxane	541-05-9	10	30	200	500	Estimated rat oral LD50
1491	Hexamethyldisilazane	999-97-3	12.5	40	250	350	
1492	Hexamethyldisiloxane	107-46-0	250	750	2,000	2,000	
1493	Hexamethylene diisocyanate polymer	28182-81-2	7.5	25	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5,rat 60-min LC50

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1494	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	0.035	0.1	0.125	20	TLV-TWA, TEEL-0*3, REL-C, rat oral LD50
1495	Hexamethyleneimine	111-49-9	15	40	300	500	Mouse 120 min LC50
1496	Hexamethylenetetraamine hydrochloride	58713-21-6	10	30	50	250	Used PNOS default
1497	Hexamethylenetetraamine; (Methenamine)	100-97-0	25	75	500	500	TEEL-2/21, TEEL-2/7, rat LClo, rat intravenous LD50
1498	Hexamethylphosphoramide	680-31-9	0.3	0.75	6	1,000	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
1499	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
1500	Hexanal	66-25-1	50	150	750	750	
1501	**Hexane**	**110-54-3**	150	1,500	**11,600**	**30,300**	TLV-TWA, PAC-2/7, **AEGL-2, AEGL-3**
1502	Hexanediol diacrylate, 1,6-	13048-33-4	1	3.5	25	500	WEEL-TWA, TEEL-2/7, rabbit dermal TDlo, rat oral LD50
1503	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	50	150	500	500	Rat ip TDlo, rat oral LD50
1504	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	500	500	500	500	
1505	Hexanenitrile	628-73-9	2	6	40	200	
1506	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
1507	Hexanitrostilbene	20062-22-0	0.25	0.75	6	30	Rat oral TDlo for 4-Nitrostilbene
1508	Hexanoic acid	142-62-1	5	15	100	500	
1509	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	5	15	100	500	Human TClo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1510	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	3	7.5	60	300	
1511	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	20	40	6,000	6,000	TLV-TWA, TLV-STEL, TEEL-3, IDLH
1512	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	15	50	350	1,500	
1513	Hexanoyl chloride	142-61-0	1.5	5	35	150	Rat oral LD50 from estimated HHR = 3
1514	Hexaphenylcyclotrisiloxane	512-63-0	7.5	25	150	500	Estimated rat oral LD50 based on HHR
1515	**Hexene, 1-**	**592-41-6**	150	250	**1,720**	**17,200**	TLV-TWA, PAC-2/7, **ERPG-2, ERPG-3**
1516	Hexylene glycol	107-41-5	50	50	125	1,500	MAK-TWA, TEEL-0, TLV-C, rat oral LD50
1517	**Hexyltrichlorosilane**	**928-65-4**	1.5	**5.39**	**65.5**	**296**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1518	Holmium	7440-60-0	7.5	25	150	500	Rat oral LD50 based on HHR = 2
1519	Holmium trioxide	12055-62-8	10	30	50	250	Used PNOS default
1520	Humic acid, sodium salt	68131-04-4	2	6	40	200	Rat ip TDlo preg, rat ip LD50
1521	**Hydrazine**	**302-01-2**	0.0125	**0.131**	**17**	**45.9**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
1522	Hydrazine hydrate, aqueous solutions	10217-52-4	0.035	0.1	0.75	7.5	TEEL-2/21, TEEL-2/7, rat LClo, rat LC50
1523	Hydrazine hydrate; (Hydrazine monohydrate)	7803-57-8	0.0004	0.001	0.0075	50	TEEL-2/21, TEEL-2/7, rat LClo, rat oral LD50
1524	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
1525	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	1	3	5	50	DKC assigned TEELs

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1526	Hydrazine sulfate	10034-93-2	0.6	2	15	250	TEEL-2/21, TEEL-2/7, human oral TDlo, rat oral LD50
1527	Hydrazine, dihydrochloride	5341-61-7	3.5	10	75	400	TEEL-2/21, TEEL-2/7, rat oral TDlo, TEEL-2*5
1528	**Hydriodic acid; (Hydrogen iodide)**	**10034-85-2**	1.5	**5.23**	**115**	**627**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1529	**Hydrobromic acid; (Hydrogen bromide)**	**10035-10-6**	3.31	**3.31**	**72.8**	**397**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
1530	Hydrogen	1333-74-0	5,000	5,000	15,000	30,000	Simple asphyxiant
1531	**Hydrogen chloride; (Hydrochloric acid)**	**7647-01-0**	0.75	**2.68**	**32.8**	**149**	CEGL, **AEGL-1, AEGL-2, AEGL-3**
1532	**Hydrogen cyanide; (Hydrocyanic acid)**	**74-90-8**	2	**2.21**	**7.84**	**16.6**	MAK-TWA, **AEGL-1, AEGL-2, AEGL-3**
1533	**Hydrogen fluoride; (Hydrofluoric acid)**	**7664-39-3**	0.4	**0.818**	**19.6**	**36**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
1534	**Hydrogen peroxide**	**7722-84-1**	1.25	**14**	**71**	**142**	PEL-TWA, **ERPG-1, ERPG-2, ERPG-3**
1535	Hydrogen peroxide - 30%	7722-84-1a	4	40	200	400	Concentration-adjusted ERPGs
1536	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	12.5	40	250	500	Rat oral LD50 minimum
1537	**Hydrogen selenide**	**7783-07-5**	0.15	0.35	**2.42**	**7.28**	PEL-TWA, PAC-2/7, **AEGL-2, AEGL-3**
1538	**Hydrogen sulfide**	**7783-06-4**	0.71	**0.71**	**37.6**	**69.6**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
1539	Hydrogenated terphenyl	61788-32-7	6	15	30	7,500	TLV-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
1540	Hydroquinone	123-31-9	2	3	20	50	PEL-TWA, TLV-TWA*3, LOC, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7	60	150	500	500	
1542	Hydrotreated middle distillate (Petroleum base oil)	64742-46-7	3	7.5	60	300	
1543	Hydroxy-2-methylpropanoic acid, 2-; (2-Methyllactic acid)	594-61-6	10	30	50	250	Used PNOS default
1544	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	15	50	350	500	Rat oral LD50
1545	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
1546	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	12.5	35	60	500	**SAR**
1547	Hydroxybenezenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	25	75	500	500	Mouse oral LD50
1548	Hydroxybenzoic acid, 4-; (p-Salicylic acid)	99-96-7	20	60	400	500	Rat oral TDlo, mouse oral LD50
1549	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	40	125	500	500	Rat oral LDlo
1550	Hydroxyethyl acrylate, 2-; (Acrylic acid, 2-hydroxyethyl ester)	818-61-1	1.5	5	35	250	Rat TClo, rat 240 min LClo
1551	Hydroxyethyl methacrylate, 2-	868-77-9	0.1	0.3	2	500	Rat oral TDlo, rat oral LD50
1552	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	1.25	4	25	125	Quail LD50 maximum
1553	Hydroxyethylenediaminetriacetic acid, N-	150-39-0	1.25	4	30	150	
1554	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
1555	Hydroxylamine	7803-49-8	0.25	0.75	5	25	
1556	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	10	35	60	60	

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1557	Hydroxylamine nitrate	13465-08-2	7.62	15.2	39.6	150	PEL-TWA, TLV-STEL, LOC, IDLH
1558	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	4	10	75	400	
1559	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	15	50	350	500	Mouse oral LD50
1560	Hydroxy-N-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	10	30	50	250	Used PNOS default
1561	Hydroxyphenyl)benzothiazole, 2-(2-	3411-95-8	35	100	500	500	Mouse ip LDlo minimum
1562	Hydroxyphenylacetic acid, alpha-	90-64-2	15	50	350	500	Rat ip LD50
1563	Hydroxypropyl cellulose	9004-64-2	40	125	500	500	Rat oral LD50
1564	Hydroxyquinoline sulfate, 8-	134-31-6	5	15	100	500	Rat oral LD50
1565	Hypophosphorous acid-d3; (Hydrophosphorus acid-d3 solution, 50 wt.% in D2O)	57583-56-9	25	75	125	600	Used non-deuterated phosphonic acid values
1566	Hypophosphorus acid; (Phosphonic acid)	6303-21-5	10	30	50	250	Used PNOS default
1567	Imidazole	288-32-4	4	12.5	75	100	
1568	Imidazole hydrochloride	1467-16-9	7.5	25	150	500	Rat oral LD50 based on HHR
1569	Iminodiacetic acid	142-73-4	1	3	20	100	
1570	Iminodiacetic acid, disodium salt hydrate	17593-73-6	35	100	500	500	MSDS rat oral LD50
1571	Indan	496-11-7	40	125	500	500	
1572	Indene	95-13-6	20	20	20	1,500	TLV-TWA, TEEL-0, TEEL-0, rat 240 min LC50

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1573	Indeno(1,2,3-cd)pyrene	193-39-5	0.15	0.5	3.5	15	
1574	Indigo carmine; (FD&C blue No 2)	860-22-0	20	60	75	75	
1575	Indium	7440-74-6	0.1	0.1	0.6	3.5	TLV-TWA, TEEL-0, TEEL-3/5, mouse sc LDlo
1576	Indium oxide (vapor)	1312-43-2b	0.107	0.321	100	500	TLV-TWA, TEEL-0*3, rat TClo, TEEL-2*5
1577	Indium sulfate	13464-82-9	0.225	0.676	1.13	4	TLV-TWA, TEEL-0*3, TEEL-0*5, rat sc LD50
1578	Indium trichloride	10025-82-8	0.193	0.578	1	1	TLV-TWA, TEEL-0*3, TEEL-3, rat intraperitoneal LD50
1579	Indium(III) oxide	1312-43-2a	0.121	0.363	0.605	500	TLV-TWA, TEEL-0*3, TEEL-0*5, mouse oral LDlo
1580	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	5	15	100	500	
1581	Iodic acid	7782-68-5	0.139	1.39	1.39	19.9	TLV-TWA, TLV-STEL, PEL-C, IDLH
1582	Iodide, Ammonium, tetraethyl-; (Tetraethylammoniumiodide; Ammonium,-tetraethyl-,-iodide-)	68-05-3	0.203	2.03	2.03	42.6	TLV-TWA, TLV-STEL, PEL-C, IDLH
1583	**Iodine**	**7553-56-2**	0.1	**1**	**5.2**	**52**	TLV-TWA, **ERPG-1, ERPG-2, ERPG-3**
1584	Iodine 125	17144-19-3	0.1	1	5	50	Iodine (7753-56-2) PAC
1585	Iodobenzene	591-50-4	0.161	1.61	26.8	26.8	TLV-TWA, TLV-STEL, PEL-C, IDLH
1586	Iodoethane; (Ethyl iodide)	75-03-6	0.075	0.75	0.75	15	TLV-TWA, TLV-STEL, PEL-C, IDLH
1587	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	0.25	2.5	2.5	50	TLV-TWA, TLV-STEL, PEL-C, IDLH
1588	Iodopentane, 1-	628-17-1	0.156	1.56	1.56	25.3	TLV-TWA, TLV-STEL, PEL-C, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1589	Iotalamic acid	2276-90-6	0.161	1.61	1.61	80.9	TLV-TWA, TLV-STEL, PEL-C, IDLH
1590	Iridium	7439-88-5	6	20	125	500	Rat oral LD50
1591	Iron	7439-89-6	1.5	4	30	500	Rat oral LD50
1592	Iron carbide	12011-67-5	10.7	16.1	26.8	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1593	Iron hydroxide oxide	20344-49-4	15.9	23.9	40	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1594	Iron oxide; (Ferric oxide)	1309-37-1	10	15	40	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1595	**Iron pentacarbonyl**	**13463-40-6**	0.48	0.48	**0.48**	**1.44**	PAC-2, PAC-2, **AEGL-2, AEGL-3**
1596	Iron(II) chloride tetrahydrate	13478-10-9	3.56	3.56	7.5	40	TLV-TWA, TEEL-0, TEEL-3/7, mouse ip LD50
1597	Iron(II) perchlorate hexahydrate	13520-69-9	6.33	19	31.6	150	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1598	Iron(II,III) oxide; (Ferrosoferric oxide; Iron(III) oxide)	1317-61-9	13.8	20.7	35	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1599	Iron(III) perchlorate	13537-24-1	6.34	19	31.7	150	TLV-TWA, TEEL-0*3, TEEL-0*5, TEEL-0*25
1600	Iron(III) sulfate heptahydrate	35139-28-7	4.98	14.9	25	500	TLV-TWA, TEEL-0*3, TEEL-3*5, mouse oral LD50
1601	Isoamyl acetate; (Isopentyl acetate)	123-92-2	500	500	1,000	5,000	PEL-TWA, TEEL-0, TEEL-3/5, IDLH
1602	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	350	400	400	1,500	PEL-TWA, TLV-STEL, TEEL-1, IDLH
1603	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	350	400	400	1,500	PEL-TWA, TLV-STEL, TEEL-1, IDLH
1604	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1605	Isobenzan	297-78-9	0.5	1.5	2	2	TEEL-21, TEEL-2/7, TEEL-3, rat oral LD50
1606	Isobutanol-2-amine	124-68-5	0.03	0.075	0.6	500	
1607	Isobutyl acetate	110-19-0	600	600	1,250	6,000	PEL-TWA, TEEL-0, TEEL-3/5, IDLH
1608	Isobutyl alcohol	78-83-1	300	3,500	5,000	5,000	PEL-TWA, TEEL-2/7, TEEL-3, IDLH
1609	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	1.5	4	30	150	Estimated rat 240 min LC50 based on HR
1610	**Isobutyl Chloroformate**	**543-27-1**	1	3.5	**12.3**	**37.4**	MAK-TWA, TEEL-0*3, **AEGL-2, AEGL-3**
1611	Isobutyl isobutyrate	97-85-8	150	500	500	500	
1612	Isobutylamine	78-81-9	6	6	20	100	MAK-TWA, TEEL-0, TEEL-3/5, rat oral LD50
1613	Isobutyraldehyde	78-84-2	75	750	5,000	5,000	WEEL-TWA, TEEL-2/7, TEEL-3, mouse 120 min LC50
1614	Isobutyric acid	79-31-2	1	3.5	25	125	
1615	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	0.6	2	12.5	60	Rat LC50 based on HHR
1616	**Isobutyronitrile**	**78-82-0**	20	**28.3**	**50.9**	**192**	REL-TWA, **ERPG-1, AEGL-2, AEGL-3**
1617	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	5	15	25	25	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1618	**Isocyanatoethyl methacrylate, 2-**	**30674-80-7**	0.125	0.35	**0.634**	**6.34**	EPAC-2/5, PAC-2*3/5, **ERPG-2, ERPG-3**
1619	Isocyanic acid	75-13-8	0.06	0.2	1.25	6	Human LC50 based on estimated HHR = 3+
1620	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1621	Isodrin	465-73-6	1.25	4	7	7	TEEL-2/5, TEEL-2*3/5, LOC, TEEL-2
1622	Isonate 181 MDI prepolymer	z-0113	0.2	0.75	6	75	Calculated from mixture ingredients
1623	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	1,250	1,500	1,500	4,000	Octane TLV-TWA, TEEL-2, REL-C, IDLH
1624	Isopentane; (Ethyldimethylmethane; 2-Methylbutane)	78-78-4	1,500	1,500	1,500	60,000	TLV-TWA, TEEL-0, REL-C, mouse 120 min LC50
1625	Isophorone	78-59-1	20	20	25	1,000	REL-TWA, TEEL-0, TLV-C, IDLH
1626	Isophorone diisocyanate	4098-71-9	0.04	0.15	1.23	12.5	TLV-TWA, REL-STEL, LOC, rat 240 min LC50
1627	Isophthalic acid; (Phthalic acid, m isomer)	121-91-5	10	30	50	500	WEEL-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
1628	**Isoprene**	**78-79-5**	5	**13.9**	**2,780**	**11,100**	WEEL-TWA, **ERPG-1, ERPG-2, ERPG-3**
1629	Isopropyl acetate	108-21-4	400	750	750	7,500	TLV-TWA, TLV-STEL, PAC-1, IDLH
1630	Isopropyl alcohol	67-63-0	1,000	1,000	1,000	5,000	PEL-TWA, TLV-STEL, EEGL, IDLH
1631	Isopropyl chloride; (2-Chloropropane)	75-29-6	150	500	50,000	50,000	WEEL-TWA, TEEL-0*3, TEEL-3, rat LC50
1632	**Isopropyl chloroformate; (Isopropyl chlorocarbonate)**	**108-23-6**	0.75	2	**16.5**	**50.1**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
1633	Isopropyl ether; (Diisopropyl ether)	108-20-3	1,000	1,250	1,250	6,000	TLV-TWA, TLV-STEL, TEEL-1, IDLH
1634	**Isopropyl methanefluoro-phosphonate; (Sarin; GB)**	**107-44-8**	7.50E-04	**0.00275**	**0.0344**	**0.126**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1635	Isopropyl nitrate	1712-64-7	6	20	600	3,000	TEEL-1/3, Russian STEL, TEEL-3/7, rat 240 min LC50
1636	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	30	75	500	500	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1637	Isopropylamine; (2-Propanamine)	75-31-0	12.5	25	300	1,500	PEL-TWA, TLV-STEL, TEEL-3/5, IDLH
1638	Isopropylmagnesium chloride; (Chloro(1-methylethyl)magnesium)	1068-55-9	1	3	20	100	
1639	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	1	3.5	5.6	5.6	TEEL-2/5, TEEL-2*3/5, LOC, rat oral LD50
1640	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	75	250	500	500	Human TDlo, rat oral LD50
1641	Jeffamine M-600	77110-54-4	10	30	50	250	Used PNOS default
1642	**Jet fuels, (JP-5 and JP-8)**	**70892-10-3**	200	**290**	**1100**	1100	TLV-TWA, **AEGL-1, AEGL-2,** AEGL-2
1643	Kaolin; (Aluminum silicate hydroxide)	1332-58-7	5	6	125	500	PEL-TWA, TLV-TWA*3, rat TClo, TEEL-2*5
1644	Kepone; (Chlordecone)	143-50-0	0.001	0.003	0.6	40	REL-TWA, TEEL-0*3, rat oral TDlo (preg), rat oral LD50
1645	**Kerosene**	**8008-20-6**	200	**290**	**1100**	1100	REL-TWA, **AEGL-1, AEGL-2,** AEGL-2
1646	**Ketene; (Carbomethene, Ethenone)**	**463-51-4**	0.326	**0.326**	**1.13**	**3.44**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
1647	Krypton	7439-90-9	2.00E+05	2.00E+05	7.50E+05	1.25E+06	Simple asphyxiant (see Introduction)
1648	Lactic acid	50-21-5	5	15	100	500	TEEL-2/21, TEEL-2/7, rat skin TDlo, rat oral LD50
1649	Lactic acid, sodium salt, DL-; (Propanoic acid, 2-hydroxy-, monosodium salt)	312-85-6	10	30	50	250	Used PNOS default
1650	Lactonitrile	78-97-7	3.5	10	18	150	TEEL-2/5, TEEL-2*3/5, LOC, rat 240 min LClo
1651	Lactose, beta-D; (beta-D-Glucopyranose, 4-O-beta-D-galactopyranosyl-)	5965-66-2	10	30	50	250	Used PNOS default
1652	Lanthanum	7439-91-0	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1653	Lanthanum alizarin	z-0026	10	30	50	250	Used PNOS default
1654	Lanthanum boride	12008-21-8	10	30	50	250	Used PNOS default
1655	Lanthanum carbonate	6487-39-4	10	30	50	250	Used PNOS default
1656	Lanthanum chloride	10099-58-8	6	20	150	500	TEEL-2/21, TEEL-2/7, rat 120 min TClo, rat oral LD50
1657	Lanthanum fluoride	13709-38-1	8.59	25.8	43	500	Fluoride concentration limits
1658	Lanthanum hydroxide	14507-19-8	0.2	0.75	2	2.5	**SAR**
1659	Lanthanum nitrate	10099-59-9	0.75	2.5	15	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
1660	Lanthanum oxide	1312-81-8	10	30	200	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse oral LD50
1661	Lanthanum phosphate	14913-14-5	0.3	0.75	3	3	**SAR**
1662	Lanthanum(III) nitrate hexahydrate	10277-43-7	1.5	5	35	150	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intraperitoneal LD50
1663	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
1664	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	5	15	100	500	Rat oral LD50
1665	Lead	7439-92-1	0.05	0.15	0.25	100	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1666	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	40	125	500	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, rat oral LD50
1667	Lead acetate, basic; (Lead subacetate)	1335-32-6	35	100	500	500	TEEL-2/21, TEEL-2/7, rat oral TDlo, TEEL-2*5
1668	Lead acetate; (Lead diacetate)	301-04-2	4	10	75	500	TEEL-2/21, TEEL-2/7, human intravenous TDlo, human oral LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1669	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	0.0463	0.139	23.2	23.2	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1670	Lead arsenate	3687-31-8	0.06	0.18	20	30	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
1671	Lead bromide	10031-22-8	0.0886	0.266	0.443	177	PEL-TWA, IDLH
1672	Lead carbonate	598-63-0	0.0645	0.193	4	129	PEL-TWA, IDLH
1673	Lead chloride	7758-95-4	0.0671	0.201	7.5	134	PEL-TWA, IDLH
1674	Lead chromate	7758-97-6	0.0311	0.15	1	93.2	Cr VI concentration limits
1675	Lead dioxide	1309-60-0	0.0577	3	20	115	PEL-TWA, IDLH
1676	Lead fluoborate	13814-96-5	0.0919	0.276	0.459	184	PEL-TWA, IDLH
1677	Lead fluoride	7783-46-2	0.0592	0.178	15	118	PEL-TWA, IDLH
1678	Lead hydroxide	19783-14-3	0.0582	0.175	0.3	116	PEL-TWA, IDLH
1679	Lead iodide	10101-63-0	0.111	0.334	0.556	222	PEL-TWA, IDLH
1680	Lead nitrate	10099-74-8	0.0799	0.6	4	160	PEL-TWA, IDLH
1681	Lead nitrite	13826-65-8	0.0722	0.217	0.361	144	PEL-TWA, IDLH
1682	Lead oxalate	814-93-7	0.0712	0.214	0.356	142	PEL-TWA, IDLH
1683	Lead oxide; (Lead monoxide)	1317-36-8	0.0539	0.0539	0.0539	108	PEL-TWA, IDLH
1684	Lead phosphate	7446-27-7	0.0653	0.196	30	131	PEL-TWA, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1685	Lead sulfate; (Sulfuric acid, lead(2+) salt (1:1))	7446-14-2	0.0732	4	30	146	PEL-TWA, IDLH
1686	Lead sulfide	1314-87-0	0.0577	0.173	115	115	PEL-TWA, IDLH
1687	Lead tetroxide	1314-41-6	0.0551	0.165	0.276	110	PEL-TWA, IDLH
1688	Lead(II) arsenite	10031-13-7	0.0281	0.0843	0.14	14	PEL-TWA, IDLH
1689	Lead(II) perchlorate hydrate	13453-62-8	0.111	0.333	0.555	222	PEL-TWA, IDLH
1690	Leco set 7007 powder	z-0027	10	30	50	250	Used PNOS default
1691	Leptophos; (Fosvel)	21609-90-5	6	15	30	30	TEEL-2/5,TEEL-2*3/5, LOC, rat oral LD50
1692	**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**
1693	**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**
1694	Lignosulfonate (aqueous)	8062-15-5	50	150	500	500	TEEL-2/21,TEEL-2/7, mammalian oral TDlo, TEEL-2*5
1695	Limonene, d-	5989-27-5	100	350	500	2,000	WMAK-TWA, rat oral TDlo, rat oral LD50
1696	Lindane; (gamma-Benzenehexachloride)	58-89-9	0.5	1.5	50	50	PEL-TWA, TWA x 3, IDLH, IDLH
1697	Linseed oil	8001-26-1	0.5	1.5	10	60	Human skin TDlo
1698	Liquified petroleum gas; (L.P.G.)	68476-85-7	1,500	3,500	3,500	3,500	PEL-TWA, IDLH
1699	Lithium	7439-93-2	4	12.5	75	400	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intraperitoneal LD50
1700	Lithium acetate dihydrate	6108-17-4	12.5	35	250	500	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1701	Lithium aluminate	12003-67-7	12.2	36.6	61.1	300	Aluminum pyro powders, as Al, REL-TWA
1702	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	2.44	7.33	12.5	60	Al insoluble compounds
1703	Lithium aluminum silicate; (Petalite)	1302-66-5	11.4	34.1	56.8	250	Al insoluble compounds
1704	Lithium azide	19597-69-4	10	30	50	250	Used PNOS default
1705	Lithium borohydride; (Lithium tetrahydroborate)	16949-15-8	4.03	12.1	12.1	40	Borate TLV-TWA, -STEL, mouse oral LD50
1706	Lithium bromide	7550-35-8	1	2	15	500	CEGL, EEGL-60, rat oral LD50
1707	Lithium carbonate	554-13-2	0.2	0.6	4	200	Human oral TDlo, rat oral LD50
1708	Lithium chloride	7447-41-8	0.5	1.5	10	60	
1709	Lithium chromate; (Lithium chromate dihydrate)	14307-35-8	0.0125	1	7.5	37.5	Cr VI concentration limits.
1710	Lithium deuteride	13587-16-1	0.025	0.025	0.1	0.5	Used LiH (7580-67-8) PAC
1711	Lithium diisopropylamide; (LDA)	4111-54-0	10	30	50	250	Used PNOS default
1712	Lithium fluoride	7789-24-4	3.41	10.2	17.1	341	Fluoride limits used
1713	**Lithium hydride**	**7580-67-8**	0.025	**0.025**	**0.100**	**0.500**	PEL-TWA, **ERPG-1, ERPG-2, ERPG-3**
1714	Lithium hydroxide	1310-65-2	0.05	0.15	1	100	WEEL-C, rat 240-min LC50
1715	Lithium hydroxide monohydrate	1310-66-3	0.05	0.15	1	100	
1716	Lithium iodide	10377-51-2	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1717	Lithium metaborate, anhydrous	13453-69-5	9.2	27.6	46	200	Inorganic borate compounds TLV-TWA
1718	Lithium molybdate	13568-40-6	9.06	9.06	9.06	500	PEL-TWA, IDLH
1719	Lithium niobium oxide; (Lithium niobate)	12031-63-9	60	200	500	500	Rat oral LD50
1720	Lithium nitrate	7790-69-4	0.5	1.5	10	50	Rat oral TDlo
1721	Lithium nitride	26134-62-3	10	30	50	250	Used PNOS default
1722	Lithium nitrite	13568-33-7	0.025	0.06	0.4	40	**SAR**
1723	Lithium perchlorate, anhydrous	7791-03-9	0.0005	0.0015	0.01	0.06	IRIS LOEL
1724	Lithium silicon	68848-64-6	4	12.5	75	400	Used new Li limits (7439-93-2)
1725	Lithium stearate	4485-12-5	60	150	500	500	
1726	Lithium sulfate	10377-48-7	0.15	0.5	3.5	500	
1727	Lithium tetraborate	12007-60-2	31.3	93.9	156	500	Borate compound TLV-TWA
1728	Lithium tetraborate pentahydrate	1303-94-2	12	36	60	300	Borate compound TLV-TWA
1729	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	2.81	2.81	7.5	35	Al sol Salt concentration limits, mouse oral LD50
1730	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6	10	30	50	250	Used PNOS default
1731	Lithium triethylborohydride; (Super-hydride)	22560-16-3	1.5	5	35	150	Rat oral LD50 based on HHR
1732	Lubricating oil, rerefined	68476-77-7	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1733	Lutetium	7439-94-3	1.5	5	35	150	Rat oral LD50 based on HHR = 3
1734	Lutetium oxide	12032-20-1	10	30	50	250	Used PNOS default
1735	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	350	1,000	6,000	35,000	Rat 60 min LClo
1736	Magnesium	7439-95-4	1.25	4	30	150	PAC-2/21, PAC-2/7, rat TClo, PAC-2*5
1737	Magnesium acetate tetrahydrate	16674-78-5	0.75	2.5	20	100	
1738	**Magnesium aluminum phosphide**	**z-0116**	5.01	5.01	**5.01**	**8.97**	PAC-2, PAC-2, **AEGL-2, AEGL-3**
1739	Magnesium carbonate hydroxide	7760-50-1	10	30	50	250	Used PNOS default
1740	Magnesium carbonate; (Magnesite)	546-93-0	15	45	200	500	PEL-TWA, TEEL-0*3, rat 240 min TClo, rat oral LD50
1741	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	48.8	146	250	500	PEL-TWA
1742	Magnesium chloride	7786-30-3	12.5	40	300	500	
1743	Magnesium chloride hexahydrate	7791-18-6	75	250	500	500	
1744	Magnesium ethoxide	2414-98-4	47.1	141	235	500	Used Mg.O TLV-TWA and IDLH
1745	Magnesium fluoride	7783-40-6	4.1	12.3	20.5	410	Fluoride concentration limits
1746	Magnesium formate	557-39-1	10	30	50	250	Used PNOS default.
1747	Magnesium hydroxide	1309-42-8	75	200	500	500	
1748	Magnesium iodate tetrahydrate	7790-32-1	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1749	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	10	30	50	250	Used PNOS default
1750	Magnesium oxide	1309-48-4	15	30	150	500	PEL-TWA, IDLH
1751	**Magnesium phosphide**	**12057-74-8**	1	3	**5.51**	**9.92**	PAC-2/5, PAC-2*3/5, **AEGL-2, AEGL-3**
1752	Magnesium silicate hydrate	1343-90-4	10	30	50	250	Used PNOS default
1753	Magnesium silicate; (Florisil)	1343-88-0	10	30	50	500	Used PNOS default
1754	Magnesium sulfate (1:1)	7487-88-9	0.5	1.5	10	125	
1755	Magnesium sulfate heptahydrate	10034-99-8	5	15	100	500	
1756	Magnesium(II) nitrate (1:2), hexahydrate	13446-18-9	20	60	500	500	Rat oral LD50
1757	Malathion	121-75-5	1	3	5	250	TLV-TWA, IDLH
1758	Maleic acid	110-16-7	3	7.5	60	300	Rat oral LD50
1759	Maleic acid, disodium salt	371-47-1	25	75	500	500	Rat oral LD50
1760	**Maleic anhydride**	**108-31-6**	0.8	**0.8**	**8**	**80.2**	PAC-1, **ERPG-1, ERPG-2, ERPG-3**
1761	Maleic hydrazide; (3,6-Pyridazinedione,1,2-dihydro-)	123-33-1	0.6	2	12.5	500	
1762	Malic acid, DL-	617-48-1	6	20	125	500	Mouse oral LD50 minimum,
1763	Malonic acid; (Carboxyacetic acid)	141-82-2	20	60	400	500	
1764	Mancozeb; (Dithane M-45)	8018-01-7	1	3	200	500	WEEL-TWA, rat oral TDlo, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1765	Manganese	7439-96-5	0.2	3	5	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1766	Manganese carbonate	598-62-9	0.418	6.28	10.5	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1767	Manganese dioxide	1313-13-9	0.317	4.75	79.1	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1768	Manganese hydroxide	18933-05-6	0.324	4.86	8.1	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1769	Manganese nitrite	18488-90-9	0.535	8.02	13.4	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1770	Manganese oxalate	640-67-5	0.52	7.81	13	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1771	Manganese oxide; (Manganese tetroxide)	1317-35-7	0.278	4.17	69.4	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1772	Manganese phosphate	10124-54-6	0.43	6.46	10.8	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1773	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	0.2	0.6	0.6	7.5	TLV-TWA, REL-STEL, LOC, rat 240 min LC50
1774	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	0.458	6.87	11.5	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1775	Manganese(II) chloride tetrahydrate	13446-34-9	0.721	10.8	180	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1776	Manganese(II) nitrate	10377-66-9	0.651	9.77	16.3	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1777	Manganese(II) nitrate hydrate	15710-66-4	0.717	10.8	17.9	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1778	Manganese(II) sulfate monohydrate	10034-96-5	0.615	9.23	15.4	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1779	Manganese(III) oxide	1317-34-6	0.287	4.31	71.8	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1780	Manganese(VII) oxide	12057-92-0	0.404	6.06	10.1	500	TLV-TWA, REL-STEL, PEL-C, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1781	Manganous oxide; (Manganese(II) oxide)	1344-43-0	0.258	0.75	6.46	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1782	Manganous sulfate	7785-87-7	0.55	8.25	13.7	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1783	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	0.317	1	7.92	500	TLV-TWA, REL-STEL, PEL-C, IDLH
1784	Mastic (resin)	61789-92-2	4	12.5	100	500	
1785	Melamine	108-78-1	10	30	50	500	WEEL-TWA, rat TClo, rat LC50
1786	Memtetrahydrophthalic anhydride; (Tetrahydrophthalic anhydride)	85-43-8	0.05	0.15	1	500	TEEL-2/21, TEEL-2/7, human LClo, rat oral LD50
1787	Mephosfolan	950-10-7	1.5	5	9	9	LOC, rat oral LD50
1788	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	3.5	3.5	4	20	TLV-TWA, rat LC50
1789	Mercaptobenzoic acid, o-	147-93-3	0.2	0.6	4	20	Mouse ip LD50
1790	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4	5	15	40	40	WEEL-TWA, pregnant rat TDlo, rat oral LD50
1791	Mercaptoethanol, 2-	60-24-2	0.6	6	40	600	WEEL-TWA, rat oral TDlo, mouse LC50
1792	Mercaptopropionic acid, 3-	107-96-0	0.25	0.75	6	40	Mouse subcutaneous TDlo, rat oral LD50
1793	Mercuric acetate	1600-27-7	0.0159	0.0477	3.2	3.2	PEL-TWA, TLV-STEL, PAC-3, IDLH
1794	Mercuric cyanide	592-04-1	0.0315	1.5	12.6	12.6	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1795	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	0.0566	0.0566	0.227	22.7	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1796	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1797	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	0.0395	0.0395	0.158	15.8	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1798	Mercuric trifluoroacetate	13257-51-7	0.0213	0.0638	0.0851	4.3	Hg Alkyl compounds TLV-TWA, PEL-C, PEL-C, IDLH
1799	Mercurol; (Mercury nucleate)	12002-19-6	0.025	0.025	0.1	10	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1800	Mercurous chloride; (Mercury monochloride)	7546-30-7	0.0294	0.0294	0.118	11.8	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1801	Mercurous nitrate monohydrate	7782-86-7	0.0351	0.0351	0.14	14	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1802	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
1803	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
1804	Mercury hydroxide	12135-13-6	0.0292	0.0292	0.117	11.7	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1805	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	0.0405	0.0405	0.162	16.2	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1806	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
1807	**Mercury vapor**	**7439-97-6**	0.025	0.3	**2.05**	**4.10**	TLV-TWA, PAC-2/7, **ERPG-2, ERPG-3**
1808	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
1809	Mercury(II) chloride; (Mercury bichloride)	7487-94-7	0.0338	2	13.5	13.5	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1810	Mercury(II) nitrate monohydrate	7783-34-8	0.0427	0.0427	0.171	17.1	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1811	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	0.027	0.15	1.08	10.8	Hg compounds TLV-TWA, PEL-C, PEL-C, IDLH
1812	**Mesitylene; (1,3,5-Trimethylbenzene)**	**108-67-8**	125	**688**	**1,770**	2,500	TLV-TWA, **AEGL-1, AEGL-2**, rat 240 min LC50

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1813	Metaphosphoric acid	37267-86-0	10	30	50	250	Used PNOS default
1814	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
1815	**Methacrylaldehyde**	**78-85-3**	0.2	**0.573**	**8.02**	**13.5**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1816	Methacrylamide	79-39-0	0.015	0.04	0.3	200	Human TClo, rat LD50
1817	**Methacrylic acid**	**79-41-4**	23.6	**23.6**	**215**	**774**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
1818	Methacrylic acid, diester with triethylene glycol; (Polyester TGM3)	109-16-0	1.5	5	35	500	rat oral TDlo, rat oral LD50
1819	Methacrylic anhydride	760-93-0	0.75	2.5	4.5	150	LOC, mouse 120 min LC50
1820	**Methacrylonitrile; (Methylacrylonitrile)**	**126-98-7**	2.74	**2.74**	**35.7**	**68.6**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
1821	Methacryloyl chloride	920-46-7	0.125	0.35	0.598	25	PAC-1/3, LOC x 3/5, LOC, rat 240 min LC50
1822	Methamidophos	10265-92-6	3.5	10	60	60	PAC-1/3, adjusted LOC/7, rat 240 min LC50, rat 240 min LC50
1823	Methane	74-82-8	600	2,000	3,000	1.25E+05	TLV-TWA for aliphatic hydrocarbon gases, mouse 120 min LC50
1824	Methane-d3	676-80-2	750	2,000	4,000	40,000	Used methane PAC
1825	Methanesulfonic acid	75-75-2	4	12.5	75	400	
1826	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	0.5	1.5	10	150	
1827	**Methanesulfonyl chloride**	**124-63-0**	0.4	1.25	**9.83**	**29**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
1828	Methanesulfonyl fluoride	558-25-8	2.5	7.5	14	14	P-2/5, P-2*3/5, LOC, LOC

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1829	Methidathion; (O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolinyl-3-methyl)dithiophosphate)	950-37-8	1	3	20	400	LOC, rat 240 min LC50
1830	Methiocarb; (Mercaptodimethur)	2032-65-7	3	7.5	15	15	LOC, rat oral LD50
1831	Methomyl	16752-77-5	2.5	7.5	10	200	TLV-TWA, LOC, rat 240 min LC50
1832	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	0.075	0.2	1.5	500	Rat oral TDlo, rat oral LD50
1833	Methoxybenzyl alcohol, 4-	105-13-5	7.5	25	200	500	Rat skin TDlo, rat oral LD50
1834	Methoxychlor	72-43-5	15	30	250	500	PEL-TWA, IDLH
1835	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	6	20	100	100	T-2/21, T-2/7, rat oral TDlo, rat LClo
1836	Methoxyethylamine, 2-	109-85-3	1.5	5	35	150	
1837	Methoxyethylmercuric acetate	151-38-2	0.0159	0.0477	3.18	3.18	Hg conc limits
1838	Methoxyphenol, p-	150-76-5	5	15	100	500	TLV-TWA, mouse ip TDlo, rat oral LD50
1839	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	15	50	50	150	WEEL-TWA, WEEL-STEL, TEEL-1, mouse iv LD50
1840	Methoxytrimethylsilane	1825-61-2	0.2	2	7.5	20	**SAR**
1841	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	0.75	15	60	60	TLV-TWA, REL-STEL, rat 360 min LC50
1842	Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone)	872-50-4	40	40	100	100	WEEL-TWA, rat TClo, rat LClo
1843	Methyl acetate	79-20-9	600	750	1,500	7,500	PEL-TWA, TLV-STEL, human LClo, IDLH
1844	Methyl acetylene	74-99-7	1,500	2,500	2,500	2,500	PEL-TWA, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	3,000	4,000	4,000	10,000	PEL-TWA, TLV-STEL, IDLH
1846	Methyl acrylate	96-33-3	6	6	25	750	PEL-TWA, human LClo, IDLH
1847	**Methyl alcohol; (Methanol)**	**67-56-1**	250	**694**	**2,750**	**9,430**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
1848	Methyl alcohol-d	1455-13-6	250	750	2,500	10,000	
1849	Methyl alcohol-d4	811-98-3	300	750	3,000	10,000	
1850	Methyl benzoate; (Benzoic acid, methyl ester)	93-58-3	12.5	35	250	500	Rat oral TDlo, rat oral LD50
1851	**Methyl bromide; (Bromomethane)**	**74-83-9**	4	100	**815**	**2,870**	TLV-TWA, PEL-C, **AEGL-2, AEGL-3**
1852	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	2.5	7.5	50	500	
1853	**Methyl chloride**	**74-87-3**	200	200	**1,880**	**6,190**	PEL-TWA, TLV-STEL, **AEGL-2, AEGL-3**
1854	**Methyl chloroformate; (Methyl chlorocarbonate)**	**79-22-1**	0.75	1.25	**8.5**	**25.9**	MAK-TWA, PAC-2/7, **AEGL-2, AEGL-3**
1855	**Methyl chlorosilane; (Chloromethylsilane)**	**993-00-0**	2	**5.93**	**72.5**	**329**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1856	**Methyl cyclohexylfluorophosphonate; (GF)**	**329-99-7**	5.00E-04	**0.00147**	**0.0177**	**0.133**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1857	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
1858	**Methyl dichlorosilane; (Dichloromethylsilane)**	**75-54-7**	1.25	**4.23**	**51.7**	**221**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1859	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	0.75	2.5	20	100	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1860	Methyl ether; (Dimethyl ether)	115-10-6	1,500	5,000	7,500	1.25E+05	WEEL-TWA, human TClo, rat LC50
1861	Methyl ethyl ketone peroxide	1338-23-4	7.5	20	150	150	TLV-C, rat 240 min LC50
1862	Methyl fluoride; (Fluoromethane)	593-53-3	4.48	13.4	22.4	448	Fluoride PEL-TWA, IDLH
1863	Methyl fluoroacetate	453-18-9	0.015	0.05	0.35	5	
1864	Methyl fluorosulfate	421-20-5	0.0125	0.035	0.25	1.25	Rat 60 min LC50
1865	Methyl formate; (Formic acid, methyl ester)	107-31-3	250	350	2,000	10,000	PEL-TWA, TLV-STEL, IDLH
1866	**Methyl iodide**	**74-88-4**	30	**145**	**290**	**725**	PEL-TWA, **ERPG-1, ERPG-2, ERPG-3**
1867	Methyl isobutyl ketone; (Hexone)	108-10-1	300	300	300	2,000	PAC-1, TLV-STEL, PAC-1, IDLH
1868	**Methyl isocyanate**	**624-83-9**	0.04	**0.058**	**0.156**	**0.466**	PEL-TWA, **ERPG-1, AEGL-2, AEGL-3**
1869	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	600	600	600	2,000	TLV-TWA, rat 240 min LC50
1870	Methyl isothiocyanate; (Isothiocyanatomethane)	556-61-6	1.5	4	33	500	LOC, rat 60 min LC50
1871	Methyl lithium	917-54-4	1	3	20	100	
1872	**Methyl mercaptan**	**74-93-1**	1	12.5	**92.4**	**134**	TLV-TWA, PAC-2/7, **AEGL-2, AEGL-3**
1873	Methyl mercury	22967-92-6	0.0107	0.0322	0.043	2.15	PEL-TWA, TLV-STEL, PEL-C, IDLH
1874	**Methyl methacrylate**	**80-62-6**	69.6	**69.6**	**491**	**2,330**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
1875	Methyl n-amyl ketone	110-43-0	400	400	600	3,500	PEL-TWA, rat oral TDlo, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1876	Methyl nitrate; (Nitric acid, methyl ester)	598-58-3	15	50	350	1,500	Rat LC50
1877	**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**
1878	Methyl parathion	298-00-0	0.02	0.06	0.34	15	TLV-TWA, TEEL-0*3, LOC, rat 240 min LC50
1879	Methyl phencapton	3735-23-7	2	6	11	100	LOC, rat oral LD50
1880	Methyl phosphonic dichloride	676-97-1	0.06	0.2	1.4	15	LOC, rat 240 min LC50
1881	Methyl phosphonothioic dichloride	676-98-2	1.5	4	30	150	
1882	Methyl pyridine, 3-; (3-Picoline)	108-99-6	7.5	20	500	2,500	WEEL-TWA, WEEL-STEL, rat 120 min LClo
1883	Methyl salicylate	119-36-8	0.75	2.5	15	75	
1884	Methyl sulfoxide-d6; (Dimethyl-d6-sulfoxide)	2206-27-1	750	750	750	6,000	Used DMSO, 67-68-5 limits
1885	**Methyl tert-butyl ether; (MTBE)**	**1634-04-4**	180	**180**	**2,050**	**19,100**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
1886	Methyl thiocyanate	556-64-9	15	50	84.9	84.9	PAC-1/3, PAC-2 x 3/5, LOC, LOC
1887	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	0.6	2	15	75	
1888	**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**
1889	Methyl-1-butene, 2-	563-46-2	1.50E+05	1.50E+05	6.00E+05	1.00E+06	Simple asphyxiant
1890	Methyl-1H-benzotriazole	29385-43-1	2.5	7.5	60	300	rat oral LD50

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1891	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	15	40	300	500	
1892	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
1893	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	0.075	0.25	2	10	
1894	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	0.075	0.25	1.5	400	Rat sc TDlo pre, rat oral LD50
1895	Methyl-2-butene, 2-	513-35-9	6	15	125	600	Rat LC50 estimated from HHR = 2
1896	Methyl-2-chloroacrylate	80-63-7	0.2	0.6	4.98	35	LOC, rat 120 min LC50
1897	Methyl-2-heptanone, 6-	928-68-7	10	30	50	250	Used PNOS default
1898	Methyl-2-hexanone, 5-; (Methyl isoamyl ketone)	110-12-3	400	600	7,500	7,500	PEL-TWA, rat LClo, rat 240 min LClo
1899	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	100	100	100	5,000	PEL-TWA, TLV-STEL, human LClo, IDLH
1900	Methyl-4-penten-2-one, 4-	3744-02-3	100	100	100	5,000	Mesityl oxide limits
1901	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
1902	Methyl-5-vinylpyridine, 2-	140-76-1	0.35	1	1.9	40	LOC, rat 120 min LC50
1903	Methyl-8-quinolinol, 2-	826-81-3	10	30	50	250	Used PNOS default
1904	Methylal; (Dimethoxymethane)	109-87-5	3,000	6,000	6,000	6,000	PEL-TWA, IDLH
1905	Methylamine hydrochloride	593-51-1	3.5	10	60	500	Mouse ip TDlo, rat oral LD50
1906	Methylamino)ethanol, 2-(	109-83-1	10	30	200	1,000	Rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1907	Methylaniline, N-	100-61-8	7.5	7.5	10	400	PEL-TWA, rat LClo, IDLH
1908	Methylaziridine, 1-	1072-44-2	4	4	4	200	**SAR**
1909	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	6	20	125	500	
1910	Methylbutylamine, N-	110-68-9	7.5	20	150	750	Rat 240 min LClo
1911	Methylcellulose	9004-67-5	15	50	350	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mouse intravenous LDlo
1912	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7	0.4	1.25	10	50	Rat 240 min LC50
1913	Methylcholanthrene, 3-	56-49-5	0.2	0.6	4	75	Mouse ip TDlo, mouse ip LDlo
1914	Methylcyclohexane	108-87-2	2,000	5,000	5,000	5,000	PEL-TWA, IDLH
1915	Methylcyclohexanone	1331-22-2	7.5	25	150	750	
1916	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	200	350	500	2,500	TLV-TWA, TLV-STEL, IDLH
1917	Methylcyclopentane	96-37-7	15	40	300	12,500	Rat oral TDlo, Mouse LClo (120 min assumed)
1918	Methyldecane, 4-	2847-72-5	10	30	50	250	Used PNOS default
1919	**Methyldichloroarsine; (Dichloromethylarsine)**	**593-89-5**	0.053	0.053	**0.053**	**0.16**	PAC-2, PAC-2, **AEGL-2, AEGL-3**
1920	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	0.1	0.3	5	500	TLV-TWA, rat toxicity
1921	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
1922	**Methylene chloride; (Dichloromethane)**	**75-09-2**	75	**694**	**1,940**	**24,000**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1923	**Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)**	**101-68-8**	0.051	**0.2**	**2**	**25**	TLV-TWA, **ERPG-1, ERPG-2, ERPG-3**
1924	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
1925	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5	24	72.1	120	120	PEL-TWA as CN, IDLH
1926	Methylenebisacrylamide, N,N'-	110-26-9	1.5	5	35	150	Mouse oral TDlo, rat oral LD50
1927	Methylenedianiline, 4,4'-	101-77-9	0.075	0.75	5	150	PEL-TWA, PEL-STEL, human oral TDlo, rat oral LD50
1928	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	0.6	2	12.5	60	
1929	Methylformamide, N-	123-39-7	40	125	750	1,000	Rat TClo, rat oral LD50
1930	Methylfuran, 2-	534-22-5	20	60	150	150	
1931	Methylheptane, 2-	592-27-8	10	30	200	1,000	Estimated rat 240 min LC50 from HHR
1932	Methylheptane, 4-	589-53-7	2	6	40	200	PAC based on isomer 592-27-8
1933	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2	10	30	50	250	Used PNOS default
1934	Methylimidazole, 1-	616-47-7	6	15	125	500	Mouse oral LD50
1935	Methylimidazole, 4-	822-36-6	20	60	300	300	Rat oral TDlo, rat oral LD50
1936	Methyllactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	15	50	400	500	
1937	**Methyllactonitrile 2-; (Acetone cyanohydrin)**	**75-86-5**	5	**6.96**	**24.7**	**52.2**	WEEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
1938	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	2	6	40	200	Rat 240 min LC50 based on HHR =3

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1939	Methylmagnesium chlordie	676-58-4	1.5	5	35	150	Rat oral LD50 based on HHR = 3
1940	Methylmercuric dicyanamide	502-39-6	0.0149	0.0447	2.98	2.98	MERCURY ORGANIC COMPOUND LIMITS
1941	Methylmorpholine, 4-	109-02-4	7.5	25	150	750	Rat 240 min LClo
1942	Methylnaphthalene, 1-	90-12-0	3	20	20	500	TLV-TWA, Russ STEL, rabbit skin TDlo, rat oral LD50
1943	Methylnaphthalene, 2-	91-57-6	3	3	3.5	500	TLV-TWA, PAC-2/7, rabbit skin TDlo, rat oral LD50
1944	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	0.3	0.75	6	30	
1945	Methylnonane, 4-	17301-94-9	12.5	40	250	1,250	Estimated rat LC50
1946	Methylpentane, 2-; (Isohexane)	107-83-5	1,500	1,500	1,500	7,500	TLV-TWA, REL-C, REL-C, PAC-2*5
1947	Methylpentane, 3-	96-14-0	1,500	1,500	1,500	7,500	TLV-TWA, TLV-STEL, REL-C
1948	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	1	3	20	600	Human TClo, rat oral LD50
1949	Methylphenol, 2-; (o-Cresol)	95-48-7	20	20	110	1,000	PEL-TWA, LOC, mouse 120 min LC50
1950	Methylphenol, 3-; (m-Cresol)	108-39-4	20	20	110	1,000	PEL-TWA, LOC, rat oral LD50
1951	Methylphenol, 4-; (p-Cresol)	106-44-5	20	20	110	1,000	PEL-TWA, LOC, rat oral LD50
1952	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	10	30	50	50	LOC, rat oral LD50
1953	Methylphosphonate	993-13-5	10	10	10	10	Used PNOS default
1954	Methylphosphonothioic acid, S-(2-(dimethylamino)ethyl) O-ethyl ester	20820-80-8	6.00E-04	0.0015	0.0125	0.06	Human LC50

Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1955	Methylphosphonothioic acid-O-(4-nitrophenyl)-O-phenyl ester	2665-30-7	1.5	5	8	8	LOC, rat oral LD50
1956	Methylphosphonothioic acid-O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	2	6	10	10	LOC, rat oral LDlo
1957	Methylpropane, 2-; (Isobutane)	75-28-5	2,000	6,000	10,000	35,000	REL-TWA, TEEL-0*3, TEEL-0*5, rat LC50
1958	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
1959	Methylpropylnitrosoamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	0.04	0.125	0.75	15	Rat oral TDlo, rat oral LD50
1960	Methylpyridine, 2-; (2-Picoline)	109-06-8	7.5	20	20	1,250	WEEL-TWA, WEEL-STEL, rat oral TDlo, rat LC50
1961	Methylpyrrole, N-	96-54-8	75	250	500	500	Rat oral LD50 based on HHR
1962	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	0.75	2	15	75	Mouse ip LD50
1963	Methylstyrene, alpha-	98-83-9	250	500	500	3,500	TLV-TWA, TLV-STEL, PEL-C, IDLH
1964	Methyltetrahydrofuran, 2-	96-47-9	20	60	400	2,000	Rat 240 min LC50
1965	Methyltriacetoxysilane	4253-34-3	7.5	25	150	500	rat oral LD50
1966	**Methyltrichlorosilane; (Trichloromethyl silane)**	**75-79-6**	1.25	**3.67**	**37.9**	**171**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1967	Methyltriethoxysilane	2031-67-6	40	125	750	4,000	Rat 480 min LClo
1968	Methyl-trifluoromethanesulfonate	333-27-7	7.2	21.6	36	500	Fluoride concentration limits
1969	Methyltrimethoxysilane	1185-55-3	50	150	500	500	Rat oral LD50
1970	Methyltrioctylammonium chloride	5137-55-3	0.75	2.5	20	100	Rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1971	**Methylvinyldichlorosilane; (Dichloromethylvinylsilane)**	**124-70-9**	1.5	**5.19**	**63.4**	**288**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
1972	Methylvinylsiloxane-dimethylsiloxane copolymer, vinyl terminated	68083-18-1	10	30	50	250	Used PNOS default
1973	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	1	3	4.8	200	LOC, rat 240 min LC50
1974	Mevinphos; (Phosdrin)	7786-34-7	0.1	0.3	4	36.6	PEL-TWA, REL-STEL, LOC, IDLH
1975	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	2.5	7.5	14	14	LOC, rat oral LD50
1976	Mica; (mica silicates)	12001-26-2	3	9	15	500	TLV-TWA, TEEL-0*3, TEEL-0*5, IDLH
1977	Michler's ketone; (4,4'-Bis(dimethylamino)benzophenone)	90-94-8	1	3.5	25	40	rat oral TDlo, bird oral LD50
1978	Mineral fibers, fine	z-0032	10	30	50	250	Used PNOS default
1979	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5	5	15	500	500	TLV-TWA, rat LClo, rat oral LD50
1980	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3	5	15	100	500	TLV-TWA, mouse sk TDlo, TEEL-2*5
1981	Mineral oil, petroleum distillates, solvent refined light naphthenic	64741-97-5	5	15	25	500	TLV-TWA, TEEL-3/5, rat oral LD minimum
1982	Mineral oil, petroleum distillates, solvent-refined (mild) heavy paraffinic	64741-88-4	5	15	25	500	TLV-TWA, TEEL-3/5, rat oral LD minimum
1983	Mineral oil, white	8042-47-5	5	15	500	500	TLV-TWA, rat TDlo
1984	Mineral oil; (Oil mist, mineral)	8012-95-1	5	10	25	500	PEL-TWA, REL-STEL, human LClo, mouse oral LD50
1985	Mirex; (Perchloropentacyclodecane)	2385-85-5	0.03	0.075	0.6	100	
1986	Mitomycin C	50-07-7	4	12.5	23	23	LOC, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
1987	Molecular sieve 13X	63231-69-6	7.5	25	150	500	Estimated rat oral LD50 from HHR
1988	Molybdate orange	12656-85-8	50	150	500	500	TLV-TWA, IDLH
1989	Molybdenum	7439-98-7	15	30	50	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1990	Molybdenum carbide	12011-97-1	16.9	33.8	56.3	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1991	Molybdenum dioxide	18868-43-4	0.667	2	3.5	500	TLV-TWA, IDLH
1992	Molybdenum disilicide	12136-78-6	23.8	47.6	79.3	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1993	Molybdenum hexacarbonyl	13939-06-5	41.3	82.6	138	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1994	Molybdenum pentachloride	10241-05-1	1.42	4.27	500	500	TLV-TWA, IDLH
1995	Molybdenum trioxide	1313-27-5	0.75	0.75	0.75	500	TLV-TWA, IDLH
1996	Molybdenum(IV) sulfide	1317-33-5	25	50.1	83.4	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
1997	Molybdic acid	7782-91-4	0.844	2.53	4.22	500	TLV-TWA, IDLH
1998	Molybdic acid, ammonium salt; (Ammonium molibdate)	11098-84-3	1.17	3.51	500	500	TLV-TWA, IDLH
1999	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	1.07	3.22	10	500	TLV-TWA, IDLH
2000	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	0.867	2.6	4.33	500	TLV-TWA, IDLH
2001	Molybdophosphoric acid	12026-57-2	0.793	2.38	4	500	TLV-TWA, IDLH
2002	Molybdophosphoric acid hydrate; (Phosphomolybdic acid hydrate)	51429-74-4	0.807	2.42	4.03	500	TLV-TWA, IDLH

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

No.	Chemical Name	CASRN	PACs 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	
2003	Monobutyl phosphite	16456-56-7	6	20	150	500	Mo sol compounds conc. limits
2004	Monochloroamine; (Chloramide)	10599-90-3	0.1	0.35	2	10	PAC-2/21, PAC-2/7, rat oral TDlo, PAC-2 x 5
2005	Monochloropentafluoroethane; (CFC-115)	76-15-3	6,000	15,000	30,000	2.00E+06	TLV-TWA, rat 240 min LC50
2006	Monocrotophos	6923-22-4	0.05	0.15	0.63	25	TLV-TWA, LOC rat oral LD50
2007	**Monomethylamine; (Methylamine)**	**74-89-5**	12.5	**19**	**81.3**	**444**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
2008	**Monomethylhydrazine; (Methyl hydrazine)**	**60-34-4**	0.015	0.35	**1.7**	**5.09**	TLV-TWA, PEL-C, **AEGL-2, AEGL-3**
2009	Monosodium titanate	60704-88-3	10	30	50	250	Used PNOS default
2010	Montmorillonite	1318-93-0	0.3	0.75	6	30	T-3/105, T-3/35, T-3/5, rat iv LD50
2011	Morpholine	110-91-8	60	100	100	5,000	PEL-TWA, REL-STEL, IDLH
2012	Morpholinepropanesulfonic acid, 4-	1132-61-2	1.25	4	25	125	Quail oral LD50 maximum
2013	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	1.25	4	25	125	Quail oral LD50 minimum
2014	Muscimol; (5-Aminomethyl-3-isoxyzole)	2763-96-4	3.5	10	17	20	Rat oral LD50, human TDlo
2015	Mustard gas sulfoxide; (bis(2-Chloroethyl)sulfoxide)	5819-08-9	0.4	1.25	7.5	40	Mouse subcutaneous LDlo
2016	Myoglobins	9008-45-1	10	30	50	250	Used PNOS default
2017	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	35	100	600	3,500	Rat oral LD50
2018	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	200	500	500	500	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2019	Nabumetone; (Relafen; 4-(6-Methoxy-2-naphthyl)-2-butanone)	42924-53-8	0.75	2.5	15	500	Human oral TDlo, rat oral LD50
2020	Nadic methyl anhydride	25134-21-8	0.75	2	15	75	
2021	Naphtha (coal tar); (Naphtha [petroleum] light aliphatic; Aliphatic naphtha)	8030-30-6	400	1,500	4,000	4,000	PEL-TWA, PAC-2/7, women oral TDlo, IDLH
2022	Naphtha (petroleum), heavy catalytic cracked	64741-54-4	15	40	300	500	PAC-2/21, PAC-2/7, rat oral TDlo, rat LClo min
2023	Naphtha (petroleum), light straight-run	64741-46-4	400	1,500	4,000	4,000	Used Naphtha (coal tar) (8030-30-6) PAC
2024	Naphtha, heavy aliphatic solvent	64742-96-7	15	40	300	500	Used Naphtha (petroleum) heavy catalytic cracked (64741-54-4) PAC
2025	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
2026	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	0.6	1.5	12.5	350	Rabbit skin TDlo, rat oral LD50
2027	Naphthalene	91-20-3	50	75	75	1,250	PEL-TWA, TLV-STEL, PAC-1, IDLH
2028	Naphthaleneacetamide, 1-	86-86-2	6	20	150	500	
2029	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	10	30	50	250	Used PNOS default
2030	Naphthenic acid, lead salt	61790-14-5	1.25	4	30	500	Mouse skin TDlo, rat oral LD50
2031	Naphthol, 1-	90-15-3	25	75	500	500	Rabbit TDlo, rat LD50
2032	Naphthol, 2-	135-19-3	0.0025	0.0075	0.05	500	Human TClo, rat oral LD50
2033	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	2	6	40	200	Mouse oral LDlo
2034	Naphthoquinone, 1,4-	130-15-4	7.5	25	75	75	Rat oral TDlo, rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2035	Naphthylamine, beta-	91-59-8	1.5	5	35	300	Rat oral TDlo, rat oral LD50
2036	Naphthylthiourea, alpha-; (ANTU)	86-88-4	0.3	0.9	10	100	PEL-TWA, LOC, IDLH
2037	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0	10	30	50	250	Used PNOS default
2038	Neodecanoic acid	26896-20-8	12.5	40	300	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, mammal oral LD50
2039	Neodecanoic acid, calcium salt; (Calcium neodecanoate)	27253-33-4	12.5	40	300	500	Used Neodecanoic acid (26896-20-8) limits
2040	Neodymium	7440-00-8	0.00075	0.0025	0.02	0.1	Human intracerebral TDlo
2041	Neodymium bromide	13536-80-6	7.81	15.4	102	500	Bromine limits
2042	Neodymium fluoride	13709-42-7	8.83	26.5	44.1	500	Fluoride limits
2043	Neodymium hydroxide	16469-17-3	0.75	0.75	2	75	**SAR**
2044	Neodymium nitrate	10045-95-1	7.5	25	150	500	rat oral LD50
2045	Neodymium nitrate, pentahydrate	14517-29-4	10	30	50	250	Used PNOS default
2046	Neodymium nitrite	z-0033	0.04	0.1	0.75	75	**SAR**
2047	Neodymium(III) chloride	10024-93-8	0.6	1.5	12.5	60	PAC-3/105, PAC-3/35, PAC-3/5, rat intraperitoneal LD50
2048	Neodymium(III) oxide	1313-97-9	20	60	400	500	Rat oral LD50 minimum
2049	Neon	7440-01-9	50,000	50,000	1.50E+05	3.00E+05	Simple asphyxiant
2050	Nickel	7440-02-0	1	4.5	50	100	PEL-TWA, LOC, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2051	Nickel acetate tetrahydrate	6018-89-9	0.0636	0.191	0.318	42.4	REL-TWA, IDLH
2052	Nickel aluminide	12003-78-0	0.271	0.814	1.36	13.6	Ni insoluble compounds
2053	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	0.427	0.6	4	21.4	Ni insoluble compounds
2054	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	0.346	1.04	1.73	17.3	Ni insoluble compounds
2055	**Nickel carbonyl**	**13463-39-3**	0.006	0.251	**0.251**	**1.12**	PEL-TWA, PAC-2, **AEGL-2, AEGL-3**
2056	Nickel chloride; (Nickelous chloride)	7718-54-9	0.221	0.663	1.1	22.1	Ni soluble compounds
2057	Nickel cyanide	557-19-7	0.377	1.13	9.44	18.9	Ni insoluble compounds
2058	Nickel fluoride	13940-83-5	0.575	1.73	3	28.8	Ni insoluble compounds
2059	Nickel formate	3349-06-2	0.253	0.75	5	25.3	Ni soluble compouns
2060	Nickel oxalate (liquids)	6018-94-6a	2.5	7.5	12.5	25	Ni soluble compounds
2061	Nickel oxalate (solids)	6018-94-6b	2.5	7.5	12.5	25	Ni insoluble compounds
2062	Nickel oxide; (Nickel(II) oxide)	1313-99-1	0.255	0.764	12.7	12.7	Ni insoluble compounds
2063	Nickel perchlorate	13637-71-3	1.25	3.74	6.23	62.3	Ni insoluble compounds
2064	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	0.427	1.28	2.14	42.7	Ni soluble compounds
2065	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	0.448	1.34	10	44.8	Ni soluble compounds
2066	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	0.264	0.264	0.264	26.4	Ni soluble compounds

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2067	Nickel(2+) stearate	2223-95-2	10.7	32	53.3	107	Ni insoluble compounds
2068	Nickel(II) bromide	13462-88-9	0.372	1.12	1.86	37.2	Ni soluble compounds
2069	Nickel(II) carbonate (1:1)	3333-67-3	0.405	1.21	2.02	20.2	Ni insoluble compounds
2070	Nickel(II) chloride hexahydrate	7791-20-0	0.405	1.22	40.5	40.5	Ni soluble compounds
2071	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	0.316	0.948	1.58	15.8	Ni insoluble compounds
2072	Nickel(II) nitrate hexahydrate	13478-00-7	0.496	1.49	49.6	49.6	Ni soluble compounds
2073	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	0.311	1.5	12.5	31.1	Ni soluble compounds
2074	Nickel(II) nitrite	17861-62-0	0.1	0.3	0.5	10	Ni soluble compounds
2075	Nickel(II) phosphate	10381-36-9	0.2	0.6	1	10	Ni insoluble compounds
2076	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	0.374	1.12	1.87	18.7	Ni insoluble compounds
2077	Nicotinamide	98-92-0	6	20	150	500	Mouse ip TDlo, rat oral LD50
2078	Nicotine sulfate	65-30-5	4	9	9	9	LOC, rat 240 min LC50
2079	Nicotine, dl-beta-; (DL-Nicotine)	22083-74-5	0.75	2	15	75	Rat oral LD50
2080	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	0.5	1.5	3.5	5	PEL-TWA, LOC, IDLH
2081	Nicotinic acid; (Niacin)	59-67-6	0.75	2.5	15	500	Human oral TDlo, rat oral LD50
2082	Niobium	7440-03-1	40	125	500	500	Rat oral LD50 minimum

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2083	Niobium chloride	10026-12-7	0.2	0.6	4	500	Rat oral TDlo, rat oral LD50
2084	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	10	30	200	500	Rat it TDlo, mouse oral LD50
2085	Niobium(IV) carbide	12069-94-2	10	30	50	250	Used PNOS default
2086	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	15	20	20	400	PEL-TWA, TLV-STEL, rabbit oral TDlo, rat oral LD50
2087	Nitrate(s)	14797-55-8	10	30	50	250	Used PNOS default
2088	**Nitric acid**	**7697-37-2**	1.37	**1.37**	**61.8**	**237**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2089	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	10	30	50	250	Used PNOS default
2090	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	1.25	3.5	25	125	Cat ip LD50
2091	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	125	400	2,500	12,500	Mouse 420 min LClo
2092	**Nitric oxide**	**10102-43-9**	0.613	**0.613**	**14.7**	**24.5**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2093	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	6	15	125	500	Rat oral LD50
2094	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8	0.06	0.2	1.25	500	Rat oral TDlo, rat oral LD50
2095	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	35	100	500	500	
2096	Nitrilotris(methylene)trisphosphonic acid; (Amino, tris[methylene phosphonic acid])	6419-19-8	10	10	35	500	WEEL-TWA, rat oral TDlo, rat oral LD50
2097	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	6	20	125	500	Rat 4 hr LC50
2098	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	0.6	1.5	12.5	200	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2099	Nitroaniline, p-	100-01-6	6	9	300	300	PEL-TWA, IDLH
2100	Nitrobenzene	98-95-3	5	15	100	1,000	PEL-TWA, 3 x TWA, LOC, IDLH
2101	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	40	125	500	500	Rat oral LD50
2102	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	92-93-3	0.25	0.75	5	500	Dog oral TDlo, rat oral LD50
2103	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-Chloronitrobenzene)	121-73-3	0.06	0.2	1.25	150	Rat TClo, rat oral LD50
2104	Nitrocyclohexane	1122-60-7	0.3	0.75	1.5	60	LOC, rat 240 min LC50
2105	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	1.5	5	40	200	**SAR**
2106	Nitrodiphenylamine, 2-	119-75-5	30	100	500	500	
2107	Nitroethane	79-24-3	300	300	600	3,000	PEL-TWA, IDLH
2108	Nitrogen	7727-37-9	750,000	750,000	1.00E+06	1.00E+06	
2109	**Nitrogen dioxide**	**10102-44-0**	0.94	**0.94**	**22.6**	**37.6**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2110	Nitrogen mustard hydrochloride	55-86-7	0.75	2.5	4	4	
2111	**Nitrogen mustard; (Bis(b-chloroethyl)methylamine)**	**51-75-2**	0.001	0.003	**0.022**	**0.37**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
2112	Nitrogen tetroxide	10544-72-6	1.5	1.5	40	75	Based on N.O2
2113	**Nitrogen trifluoride**	**7783-54-2**	30	150	**1,160**	**2,320**	PEL-TWA, PAC-2/7, **ERPG-2, ERPG-3**
2114	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	15	40	300	1,500	Human LClo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2115	Nitroglycerin	55-63-0	0.1	0.1	2	75	TLV-TWA, REL-STEL, PEL-C, IDLH
2116	Nitromethane	75-52-5	50	150	1500	1,500	TLV-TWA, rat LClo, IDLH
2117	Nitromethane-d3; (Trideuteronitromethane)	13031-32-8	50	150	500	2,000	Used Nitromethane, 75-52-5 PAC
2118	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	10	30	200	500	Rat oral LD50
2119	Nitronium Tetrafluoroborate	13826-86-3	4.37	13.1	21.8	437	Fluoride PEL-TWA, IDLH
2120	Nitrophenol (mixed isomers)	25154-55-6	0.75	2.5	15	75	4-Nitrophenol PAC used
2121	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	1.25	4	30	150	Rat oral LD50
2122	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	1.25	4	30	150	Rat oral LD50
2123	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7	0.75	2.5	15	75	Rat oral LD50
2124	Nitropropane, 1-	108-03-2	75	250	400	3,500	PEL-TWA, IDLH
2125	Nitropropane, 2-	79-46-9	75	100	150	350	PEL-TWA, IDLH
2126	Nitropyrene, 1-	5522-43-0	0.1	0.3	2	10	
2127	Nitropyridine-N-oxide, 4-; (Pyridine, 4-nitro, 1-oxide)	1124-33-0	15	50	80	80	LOC, rat oral LD50
2128	Nitrosodimethylamine	62-75-9	3.5	10	19	100	LOC, rat 240 min LC50
2129	Nitrosodiphenylamine, p-	156-10-5	0.1	0.3	2	150	
2130	Nitrosodipropylamine; (DPNA)	621-64-7	0.06	0.2	1.25	200	

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2131	Nitrosomorpholine	59-89-2	0.4	1.25	7.5	30	Rat oral Td lo, mouse 10 min LClo
2132	Nitroso-N-methylurea, N-	684-93-5	0.25	0.75	5	50	Rat ip TDlo, rat oral LD50
2133	Nitrosophenol, p-	104-91-6	2	6	40	200	Mouse ip LDlo
2134	Nitrosotoluene, 2-; (o-Nitrosotoluene)	611-23-4	7.5	25	150	500	Rat oral TDlo
2135	Nitrosyl chloride	2696-92-6	0.06	0.2	1.25	6	
2136	Nitrosylsulfuric acid	7782-78-7	1.5	5	35	150	Rat LD50 based on HHR = 3
2137	Nitrotoluene, m-	99-08-1	25	35	50	1,000	PEL-TWA, rat 240 min LC50, IDLH
2138	Nitrotoluene, o-	88-72-2	25	35	50	1,000	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
2139	Nitrotoluene, p-	99-99-0	25	35	500	1,000	PEL-TWA, rat oral TDlo, IDLH
2140	Nitrous acid	7782-77-6	1.02	1.02	46	179	Used HNO3 limits
2141	Nitrous oxide	10024-97-2	75	250	15,000	35,000	TLV-TWA, EEGL-60 min, EEGL-30 min
2142	Nonacosane	630-03-5	10	30	50	250	Used PNOS default
2143	Nonanal	124-19-6	2	6	40	500	
2144	Nonane; (Shellsol 140)	111-84-2	1,000	3,000	5,000	7,500	TLV-TWA, rat 240 min LC50
2145	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	150	150	150	750	PEL-TWA, mouse intravenous LD50
2146	Nonanoic acid	112-05-0	25	75	500	500	Rat oral LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2147	Nonanone, 2-	821-55-6	6	15	125	500	Rat LClo > 3980 mg/m^3
2148	Nonene, 1-	124-11-8	2.5	7.5	50	250	Estimated rat LC50
2149	Nonoxynol-4	7311-27-5	10	30	50	250	Used PNOS DEFAULT
2150	Nonyl alcohol	143-08-8	25	75	500	500	Rat 240 min TClo, mouse 120 min LC50
2151	Nonyl phenol (mixed isomers)	25154-52-3	6	20	125	500	Rat oral LD50
2152	Nonyl phenol, 4- (branched)	84852-15-3	5	15	100	500	Rat oral LD50
2153	Nonyl phenol, p-	104-40-5	6	20	125	500	Rat oral LD50
2154	Nonylphenol, 4-, branched, ethoxylated	127087-87-0	10	30	200	500	
2155	Nonylphenoxypolyethoxyethanol	68412-54-4	10	30	50	250	Used PNOS default
2156	**Nonyltrichlorosilane**	**5283-67-0**	2	**6.42**	**78.1**	**353**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
2157	Norbormide	991-42-4	0.75	2	3.8	3.8	LOC, rat oral LD50
2158	Norchlorofluoroepibatidine	z-0034	0.00004	0.000125	0.00075	0.00125	
2159	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	0.004	0.01	0.075	0.4	
2160	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	0.003	0.0075	0.06	10	
2161	Octachloronaphthalene	2234-13-1	0.1	0.3	0.3	1	PEL-TWA, TLV-STEL, IDLH
2162	Octacosane	630-02-4	350	350	1,500	7,500	NIOSH concentration limits for alkanes

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	Octadecane, n-	593-45-3	350	350	1,500	7,500	NIOSH concentration limits for alkanes
2164	Octadecanoic acid, n-; (Stearic acid)	57-11-4	60	150	500	500	Rat oral TDlo, rat oral LD50
2165	Octadecanol, 1-	112-92-5	25	75	600	7,500	
2166	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	0.015	0.05	0.4	500	Rat oral LD50
2167	Octadecyl methacrylate	32360-05-7	10	30	50	250	Used PNOS default
2168	**Octadecyltrichlorosilane**	**112-04-9**	3	**9.51**	**116**	**523**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
2169	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
2170	Octamethylcyclotetrasiloxane	556-67-2	150	400	3,000	4,000	Rat 240M LC50, rat TClo
2171	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide)	152-16-9	0.15	0.5	0.8	3.5	
2172	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	20	60	500	500	
2173	Octanamine, 1-	111-86-4	0.4	1.25	7.5	40	Rat oral LDlo
2174	Octane, n-	111-65-9	1,250	1,250	1,500	4,000	TLV-TWA, REL-C, IDLH
2175	Octanedione, 2,5-	3214-41-3	20	60	500	500	Estimated LC50
2176	Octanenitrile	124-12-9	7.5	20	150	750	
2177	Octanethiol, 1-	111-88-6	0.15	0.4	3	750	REL-C, rat oral LD50
2178	Octanoic acid; (Caprylic acid)	124-07-2	40	125	500	500	Rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2179	Octanol, 2-	123-96-6	12.5	35	250	350	PAC-2/21, PAC-2/7, rat 120 min TClo, human oral LDlo
2180	Octanone, 2-	111-13-7	60	200	500	500	Russian STEL, mouse LClo, rat LC50 minimum
2181	Octaphenylcyclotetrasiloxane	546-56-5	20	60	400	500	Rat oral LD50 minimum
2182	**Octene, 1-**	**111-66-0**	183	**183**	**3,670**	**9,170**	PAC-1, **ERPGs-1, ERPG-2, ERPG-3**
2183	Octyl alcohol; (n-Octanol)	111-87-5	50	50	50	350	WEEL-TWA, human TClo, human LDlo
2184	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9	10	30	50	250	Used PNOS default
2185	**Octyltrichlorosilane**	**5283-66-9**	2	**6.05**	**73.6**	**333**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
2186	Oil gas; (Oil fog)	z-0035	150	500	3,500	12,500	Rat LClo, rat LC50
2187	**Oleum; (fuming Sulfuric acid)**	**8014-95-7**	0.2	**0.20**	**8.7**	**160**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2188	Organorhodium complex	z-0036	0.292	0.8	0.8	292	PEL-TWA, LOC, LOC IDLH
2189	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	0.4	1.25	7.5	40	Rat LC50 assumed
2190	Osmium	7440-04-2	0.25	0.75	6	30	Dog intravenous LDlo
2191	**Osmium tetroxide**	**20816-12-0**	0.002	0.006	**0.0873**	**41.6**	PEL-TWA, TLV-STEL, **AEGL-2, AEGL-3**
2192	**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**
2193	Ouabain	630-60-4	1.5	5	8.3	12.5	LOC, rat iv LD50
2194	Oxalic acid dihydrate	6153-56-6	1	2	100	500	PEL-TWA, TLV-STEL, PAC-3/5, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2195	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	1	2	40	500	PEL-TWA, TLV-STEL, rat ip TDlo, IDLH
2196	Oxalyl chlorine	79-37-8	10	30	200	1,000	Rat 60 min LC50
2197	Oxamide	471-46-5	1.5	5	40	200	
2198	Oxamyl	23135-22-0	0.35	1	1.7	15	LOC, rat 60 min LC50
2199	Oxathiane, 1,4-	15980-15-1	15	50	350	1,500	
2200	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	10	30	75	75	Mouse skin TDlo, rat ip LD50
2201	Oxone, monopersulfate compound	37222-66-5	10	30	50	250	Used PNOS default
2202	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
2203	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	2	6	40	200	
2204	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	3	10	60	125	Rabbit skin 6-18 day preg, TDlo, rat LC50
2205	Oxydiphenoxarsine, 10,10'-; (Phenoxarsine oxide)	58-36-6	1.68	2	14	14	PEL-TWA, LOC, guinea pig LClo
2206	Oxydisulfoton	2497-07-6	0.6	2	3.5	3.5	LOC, rat oral LD50
2207	**Oxygen difluoride; (Fluorine monoxide)**	**7783-41-7**	0.1	0.25	**1.83**	**5.52**	PEL-TWA, PAC-2/7, **AEGL-2, AEGL-3**
2208	Ozone	10028-15-6	0.2	0.3	2	10	PEL-TWA, PAC-2/7, EEGL, IDLH
2209	Palladium	7440-05-3	2	6	40	200	Rat oral TDlo
2210	Palladium chloride	7647-10-1	0.15	0.4	3	500	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2211	Palladium hydroxide	12135-22-7	0.125	0.3	2.5	75	**SAR**
2212	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
2213	Paraffin, n-	8002-74-2	2	15	100	500	TLV-TWA, rat implant TDlo
2214	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
2215	Paraformaldehyde	30525-89-4	4	12.5	75	100	Rat oral TDlo, rat 240 min LC50
2216	Paraldehyde	123-63-7	15	40	300	500	Human intramuscular TDlo, human uk LDlo
2217	Paraquat	4685-14-7	0.5	1.5	12.5	150	TLV-TWA, TEEL-0*3, rat ip TDlo, human oral LDlo
2218	Paraquat dichloride	1910-42-5	0.1	0.1	0.15	1	REL-TWA, TEEL-0, LOC, IDLH
2219	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	0.75	2	15	40	PAC-2/21, PAC-2/7, LOC, rat oral LD50
2220	Parathion	56-38-2	0.05	0.15	2	10	PEL-TWA, TLV-TWA*3, LOC, IDLH
2221	Paris Green; (Cupric acetoarsenite)	12002-03-8	1.13	3.38	22	22	PEL-TWA, LOC, rat oral LD50
2222	Particulate material (PNOS)	z-0037	10	30	50	250	Used PNOS default
2223	PBX (mixture of HMX and nitrocellulose [CTN])	z-0038	0.16	2.9	3	500	Assumed 25% HMX & 75% CTN mixture
2224	**Pentaborane**	**19624-22-7**	0.0125	0.04	**0.361**	**1.81**	PEL-TWA, TLV-STEL, **AEGL-2, AEGL-3**
2225	Pentachlorobenzene	608-93-5	7.5	25	150	400	Rat oral TDlo, rat oral LD50
2226	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	0.0025	0.0075	0.06	0.3	Mouse oral TDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2227	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	0.000025	0.000075	0.0006	0.4	
2228	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	0.00075	0.0025	0.015	0.075	Rat oral LD50
2229	Pentachloroethane	76-01-7	42	126	500	500	MAK-TWA, TWA x 3, LOC and rat 120 min LC50 exceeded 500 mg/m^3 max
2230	Pentachloronitrobenzene	82-68-8	0.5	1.5	300	500	TLV-TWA, mouse oral TDlo, rat 240 min LC50
2231	Pentachlorophenol	87-86-5	0.5	2.5	2.5	2.5	PEL-TWA, IDLH, IDLH, IDLH
2232	Pentadecafluorooctanoic acid	335-67-1	4	12.5	75	75	Rat ip TDlo and LD50
2233	Pentadecane	629-62-9	30	75	600	3,000	Mouse intravenous LD50
2234	Pentadecanoic acid	1002-84-2	0.4	1.25	7.5	40	
2235	Pentadecylamine	2570-26-5	0.1	0.3	2	100	LOC, rat 240 min LC50
2236	Pentaerythritol	115-77-5	15	30	50	500	PEL-TWA, rat 360 min LClo
2237	Pentaerythritol tetra(3-mercaptopropionate), reaction products with 2-(hydroxymethyl)-2-((3-mercapto-1-oxopropoxy)methyl)-1,3-propanediyl bis(3-mercaptopropanoate) and 1-octene	95823-35-1	10	30	50	250	Used PNOS default
2238	Pentaerythritol tetranitrate	78-11-5	0.015	0.05	0.35	500	
2239	Pentafluorobenzoic acid	602-94-8	0.75	2	15	75	Mouse intraperitoneal LD50
2240	Pentafluoropropane, 1,1,1,3,3-	460-73-1	1,500	5,000	3.00E+05	3.00E+05	WEEL-TWA, rat TClo, mouse 120 min LClo
2241	Pentane, n-	109-66-0	350	350	1,500	4,000	REL-TWA, REL-C, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2242	Pentanediol, 1,5-	111-29-5	7.5	25	150	500	Rat oral LD50
2243	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	60	200	400	400	
2244	Pentanenitrile	110-59-8	5	15	75	75	
2245	Pentanol, 2-; (sec-Amyl alcohol; Methyl propyl carbinol; Isoamyl alcohol, secondary)	6032-29-7	350	350	350	1,250	PEL-TWA, rabbit oral LD50
2246	Pentanone, 2-; (Methyl propyl ketone)	107-87-9	500	500	500	5,000	PEL-TWA, TLV-STEL, human TClo, IDLH
2247	Pentanone, 3-; (Diethyl ketone)	96-22-0	600	1,000	1,000	3,000	TLV-TWA, TWA-STEL, rat LClo
2248	Pentatriacontane	630-07-9	10	30	50	250	
2249	Pentene, 1-	109-67-1	750	2,500	15,000	2.00E+05	Human Tclo, rat 240 min LC50
2250	Pentobarbital sodium; (Nembutal sodium)	57-33-0	0.15	0.5	3.5	50	
2251	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	200	400	400	400	Human LDlo, rat TClo
2252	Peptone; (Hydrolized protein, Tryptones)	73049-73-7	10	30	50	250	Used PNOS default
2253	**Peracetic acid**	**79-21-0**	0.15	**0.52**	**1.60**	**15**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
2254	Perboric acid, sodium salt	7632-04-4	0.5	1.5	10	500	Rat TClo, mouse LD50
2255	Perchloric acid	7601-90-3	4	12.5	100	500	Rat oral LD50
2256	Perchloric acid, zinc salt, hexahydrate	10025-64-6	0.6	1.5	12.5	60	Mouse ip LDlo
2257	**Perchloroethylene; (Tetrachloroethylene)**	**127-18-4**	150	**237**	**1,560**	**8,130**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2258	**Perchloromethyl mercaptan**	**594-42-3**	0.0988	**0.0988**	**2.28**	**6.84**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2259	Perchloryl fluoride; (Chlorine oxyfluoride)	7616-94-6	12.5	25	75	400	PEL-TWA, TLV-STEL, IDLH/5, IDLH
2260	Percoll	65455-52-9	10	30	50	250	PNOS default
2261	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
2262	Perfluoroalkylether polymer; (Capped homopolymers of hexafluoropropylene epoxide, Fluorine End-)	60164-51-4	75	250	500	500	Rat oral LD50 based on HHR = 1
2263	**Perfluoroisobutylene; (Octafluoro-sec-butene)**	**382-21-8**	0.04	0.1	**0.82**	**2.5**	PAC-2/21, PAC-2/7, **ERPG-2, ERPG-3**
2264	Perfluoropolyether; (1,1,2,3,3,3-Hexafluoro-1-propene, oxidized, polymerized; Vacuum pump oil)	69991-67-9	10	30	200	500	Estimated LC50
2265	Periodic acid	10450-60-9	0.18	1.8	1.8	25.8	MW-adjusted iodic acid values
2266	Periodic acid, sodium salt	7790-28-5	0.25	0.75	5	25	Mouse ip LD50
2267	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	15	45	75	500	PEL-TWA, TEEL-0*3, TEEL-0*5, mouse oral LD50
2268	Permafluor E+	z-0039	100	150	500	500	Mixture as per MSDS
2269	Permafluor-V (85+% toluene)	z-0040	60	600	4,000	15,000	0.1 to 0.9 mixture methanol and toluene PAC
2270	Peroxydicarbonic acid, disodium salt	3313-92-6	7.5	25	150	500	
2271	Petrolatum	8009-03-8	15	50	350	500	Rabbit skin TDlo, mouse ip LD50 maximum
2272	Petroleum 50 thinner; (Paint thinner)	z-0041	40	125	750	4,000	Rat 240 min LC50

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2273	Petroleum asphalt	8052-42-4b	1.25	4	25	125	Rat 24W im TDlo
2274	Petroleum coke, calcined	64743-05-1	10	30	50	500	Used PNOS default, petroleum distillates IDLH in mg/m^3
2275	Petroleum distillate	8002-05-9a	350	350	500	500	REL-TWA, TEEL-0, REL-C, IDLH
2276	Petroleum distillates, clay-treated light naphthenic	64742-45-6	20	60	400	500	Mouse skin TDlo
2277	Petroleum distillates, low boiling	68477-31-6	350	350	500	500	REL-TWA, TEEL-0, REL-C, IDLH
2278	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9	10	30	50	250	Used PNOS default
2279	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0	75	250	1,500	7,500	Rat 240 min LC50
2280	Petroleum spirits; (VM & P Naphtha)	8032-32-4	350	350	1,500	4,000	REL-TWA, REL-C, IDLH
2281	Petroleum; (Petroleum crude oil)	8002-05-9b	350	350	1,500	4,000	REL-TWA, TEEL-0, REL-C, IDLH
2282	Phenacetin; (p-Acetophenetidide)	62-44-2	0.5	1.5	10	60	Human oral TDlo, human uk LDlo
2283	Phenaglycodol; (Ultran; 2-p-Chlorophenyl-3-methyl-2,3-butanediol)	79-93-6	3.5	10	75	350	Rat oral LD50
2284	Phenanthrene	85-01-8	2	6	20	20	Rat intraperitoneal TDlo, rat oral LD50
2285	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	10	30	50	250	Used PNOS default
2286	Phenanthroline, 1,10-	66-71-7	0.1	0.3	2	30	Mouse ip 8D preg TDlo, mouse ip LD50
2287	**Phenol**	**108-95-2**	20	**57.7**	**88.5**	**769**	PEL-TWA, **AEGL-1, AEGL-2, ERPG-3**
2288	Phenol red, sodium salt	34487-61-1	7.5	25	150	500	Rat LD50 estimated from HHR = 2

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2289	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	15	50	350	500	Rat oral LD50 minimum ex MSDS
2290	Phenolphthalein	77-09-8	0.75	2.5	15	400	
2291	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	100	100	100	500	MAK-TWA, rat TClo, rat LD50
2292	**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**
2293	**Phenyl dichloroarsine; (Dichlorophenylarsine)**	**696-28-6**	0.061	0.061	**0.061**	**0.18**	PAC-2, PAC-2, **AEGL-2, AEGL-3**
2294	Phenyl ether; (Diphenyl ether)	101-84-8	6	12.5	125	600	MAK-TWA, TLV-STEL, IDLH
2295	Phenyl isocyanate	103-71-9	0.3	0.75	2	2	Rat TClo, rat LC50
2296	Phenyl sepharose cl-4b	69106-59-8	10	30	50	250	Used PNOS default
2297	Phenyl-1,2-propanedione, 1-	579-07-7	2.5	7.5	50	250	
2298	Phenyl-2-oxazoline, 2-	7127-19-7	6	15	30	150	TLV-TWA based on other phenyl compounds
2299	Phenyl-2-propanol, 2-; (Dimethylphenylmethanol)	617-94-7	5	15	100	500	
2300	Phenylacetylene; (Ethynylbenzene)	536-74-3	40	100	500	500	Rat oral LD50
2301	Phenylazo)aniline, p-(	60-09-3	0.6	2	12.5	75	
2302	Phenylboric acid; (Benzeneboronic acid)	98-80-6	3	7.5	60	300	
2303	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	40	125	500	500	Rat oral LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2304	Phenylene diisocyanate, 1,4-	104-49-4	3.5	10	35	35	
2305	Phenylenediamine dihydrochloride, 1,2-	615-28-1	10	30	125	125	
2306	Phenylenediamine dihydrochloride, 1,4-	624-18-0	0.6	1.5	12.5	60	
2307	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	0.1	0.3	200	500	TLV-TWA
2308	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	0.1	0.3	10	125	TLV-TWA
2309	Phenylenediamine, p-	106-50-3	0.1	0.6	4	25	PEL-TWA, IDLH
2310	Phenylhydrazine	100-63-0	0.4	1.25	7.5	60	TLV-TWA, IDLH
2311	Phenylhydrazine hydrochloride	59-88-1	50	150	250	250	LOC
2312	Phenylmagnesium bromide	100-58-3	1.5	5	35	150	Estimated rat oral LD50 based on HHR
2313	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	0.168	16.8	16.8	16.8	TLV-TWA, PAC-3, PAC-3, IDLH
2314	Phenylphenol, 2-	90-43-7	25	75	500	500	
2315	Phenylphosphine	638-21-1	0.04	0.125	0.2	75	TLV-C
2316	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	0.06	0.15	1.25	500	Human oral TDlo, rat oral LD50
2317	Phenylsilatrane	2097-19-0	0.2	0.6	1	1	LOC
2318	Phenylthiourea; (1-Phenyl-2-thiourea)	103-85-5	0.6	1.5	3	3	T-2/5, T-2*3/5, LOC, rat oral LD50
2319	Phenyltriethoxysilane	780-69-8	10	35	250	500	Rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2320	Phenyltrimethoxysilane	2996-92-1	1.5	4	30	150	Mouse iv LD50
2321	Phenylxylylethane; (PXE)	6196-95-8	10	30	50	250	Used PNOD default
2322	Phloroglucinol dihydrate	6099-90-7	4	12.5	75	400	Mouse ip LDlo minimum
2323	Phorate	298-02-2	0.05	0.1	0.6	0.6	TLV-TWA, LOC, PAC-3, rat 60 min LC50
2324	Phosacetim	4104-14-7	0.75	2	3.7	3.7	LOC
2325	Phosfolan	947-02-4	1.5	5	9	9	LOC
2326	**Phosgene**	**75-44-5**	0.4	0.4	**1.21**	**3.03**	PEL-TWA, PEL-TWA, **AEGL-2, AEGL-3**
2327	Phosmet	732-11-6	0.025	0.075	0.54	40	LOC
2328	Phosphamidon; (Famfos)	13171-21-6	0.06	0.15	0.3	60	LOC
2329	**Phosphine**	**7803-51-2**	0.4	1.25	**2.78**	**5**	PEL-TWA, TLV-STEL, **AEGL-2, AEGL-3**
2330	Phosphomolybdic acid	11104-88-4	0.833	2.5	4.17	500	TLV-TWA, IDLH
2331	Phosphonic acid	13598-36-2	0.006	0.015	0.125	500	TEEL-2/21, TEEL-2/7, human LClo, rat oral LD50
2332	Phosphonic acid, dioctadecyl ester	19047-85-9	0.02	0.06	0.4	2	**SAR**
2333	Phosphonic acid, tridodecyl ester	3076-63-9	12.5	40	250	500	Rat oral LDlo
2334	Phosphoric acid	7664-38-2	1	3	500	500	PEL-TWA, TLV-STEL, IDLH
2335	Phosphoric acid, dimethyl-p-(methylthio)phenyl ester	3254-63-5	1.25	4	7	7	LOC

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2336	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	1	3	500	500	Phosphoric acid (7664-38-2) PAC used
2337	Phosphorous pentafluoride	7647-19-0	3	10	15	300	Fluoride concentration limits
2338	Phosphorous trifluoride	7783-55-3	4	10	20	400	
2339	Phosphorus (red)	7723-14-0	0.05	0.15	3	5	MAK-TWA, LOC, IDLH
2340	Phosphorus (yellow); (White phosphorus)	12185-10-3	0.1	0.2	0.6	0.6	PEL-TWA,
2341	**Phosphorus oxychloride**	**10025-87-3**	0.6	3	3	**5.33**	TLV-TWA, LOC, LOC, **AEGL-3**
2342	Phosphorus pentachloride	10026-13-8	1	3	20	70	PEL-TWA, LOC, IDLH
2343	Phosphorus pentasulfide	1314-80-3	1	3	50	250	PEL-TWA, TLV-STEL, IDLH
2344	**Phosphorus pentoxide**	**1314-56-3**	1	**1**	**10**	**50**	PAC-1, **ERPG-1, ERPG-2, ERPG-3**
2345	**Phosphorus trichloride**	**7719-12-2**	1.91	**1.91**	**11.2**	**31.4**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2346	Phosphorus trioxide	1314-24-5	0.4	1.25	7.5	40	Estimated rat 240 min LC50
2347	Phthalic acid	88-99-3	0.02	0.06	0.5	500	
2348	Phthalic acid, benzyl butyl ester; (Benzyl butyl phthalate)	85-68-7	5	15	500	500	UK OEL-TWA, rat TClo, rat oral LD50
2349	Phthalic anhydride	85-44-9	12	12	40	60	PEL-TWA, NIOSH
2350	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	0.75	2.5	15	75	Rat 240 min LC50 based on HHR = 3
2351	Phyllomedusin	26145-48-2	10	30	50	250	Used PNOS default

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2352	Physostigmine	57-47-6	0.75	2.5	4.5	4.5	LOC
2353	Physostigmine salicylate (1:1)	57-64-7	0.5	1.5	2.5	2.5	LOC
2354	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	10	35	150	150	Mouse ip TDlo and LD50
2355	Picric acid	88-89-1	0.1	0.3	15	75	PEL-TWA, REL-STEL, IDLH
2356	Picrotoxin	124-87-8	3	7.5	15	15	TEEL-2/5, TEEL-2*3/5, LOC, rat intraperitoneal LD50
2357	Pigment green 36	14302-13-7	15	50	350	500	
2358	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	
2359	Pigment yellow 14	5468-75-7	20	60	400	500	Rat LD 50 minimum
2360	Pigment yellow 36; (Zinc chromate)	13530-65-9	0.01	0.15	1	15	TLV-TWA, PEL-C, IDLH
2361	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	6	20	750	4,000	Russian STEL, mouse 240 min LC50
2362	Pinacolyl alcohol; (tert-Butyl methyl carbinol)	464-07-3	1,000	3,000	3,500	3,500	
2363	Piperazine	110-85-0	2	6	40	500	
2364	**Piperidine**	**110-89-4**	3.5	**23**	**115**	**383**	WEEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
2365	Piperonyl Butoxide	51-03-6	100	300	500	500	TEEL-2/21, TEEL-2/5, rat LClo, rat oral LD50
2366	Pirimifos-ethyl	23505-41-1	5	15	25	60	LOC
2367	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	10	30	50	250	Used PNOS default

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2368	Platinum	7440-06-4	1	3	4	4	TLV-TWA, IDLH
2369	Platinum cyanide	592-06-3	0.00253	0.0076	0.0127	5.07	PEL-TWA, IDLH
2370	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
2371	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
2372	Poly(1-vinyl-2-pyrrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8	100	300	500	500	Rat iv TDlo, mouse ip LD50
2373	Poly(acrylamide-co-diallyldimethylammonium chloride)	26590-05-6	10	30	50	250	Used PNOS default
2374	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	75	250	500	500	Rat LD50 based on HHR
2375	Poly(dimethylsiloxane), hydride terminated	70900-21-9	10	30	50	250	Used PNOS default
2376	Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated	68083-19-2	60	200	500	500	Rat oral LD50 minimum
2377	Poly(divinylbenzene); (Diethenylbenzene homopolymer)	9003-69-4	7.5	25	150	500	Rat oral LD50, based on HHR
2378	Poly(ethylene glycol methyl ether)	9004-74-4	75	250	500	500	Rat oral LD50
2379	Poly(ethylene glycol)diacrylate	26570-48-9	1.5	5	35	150	Rat oral LD50 estimated from HHR = 3
2380	Poly(melamine-co-formaldehyde), methylated	68002-20-0	60	150	500	500	Rat oral LD50
2381	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
2382	Poly(oxyethylene)(2) stearyl ether	9005-00-9	7.5	20	150	500	Rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2383	Poly(Styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	10	30	50	250	Used PNOS default
2384	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.
2385	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	10	30	200	500	Mouse 30 min LC50
2386	Polybutyl acrylate	9003-49-0	10	30	50	250	Used PNOS default
2387	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	0.2	0.6	1	5	IDLH
2388	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	0.2	0.6	1	5	IDLH
2389	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	0.2	0.6	1	5	IDLH
2390	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	0.2	0.6	1	5	IDLH
2391	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	1	3	5	5	PEL-TWA, IDLH
2392	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	0.2	0.6	1	5	IDLH
2393	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	0.5	1.5	2.5	5	PEL-TWA, IDLH
2394	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	0.2	0.6	1.5	5	IDLH
2395	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl?))	z-0043	0.2	0.6	1.5	5	IDLH
2396	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	1	3	5	5	IDLH
2397	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	0.2	0.6	1	5	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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2398	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	1	3	5	5	IDLH
2399	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	7.5	25	150	500	Rat ip LD50 > 2 g/kg
2400	Polyether polyol ester	z-0112	15	50	350	500	Rat oral LDlo
2401	**Polyethylbenzene residue; (Dowtherm Q)**	**68987-42-8**	7.5	20	**150**	750	WEEL-TWA, WEEL-TWA*3, **ERPG-2,** ERPG-2*5
2402	Polyethylene	9002-88-4	1.25	4	30	500	
2403	Polyethylene glycol	25322-68-3	10	60	500	500	WEEL-TWA, rat TClo, rat iv LDlo
2404	Polyethylene glycol 20M	37225-26-6	350	500	500	500	
2405	Polyethylene glycol dimethacrylate	25852-47-5	10	30	50	250	Used PNOS default
2406	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
2407	Polyisocyanate prepolymer (based on MDI)	z-0115	0.6	1.5	12.5	60	Rat TClo
2408	Polymaleic acid; (2-Butenediiodic acid homopolymer)	26099-09-2	10	30	50	250	PNOS TLV-TWA default used
2409	Polymerized linseed oil	67746-08-1	7.5	25	150	500	Rat oral LD50 based on HHR = 2
2410	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	2	6	40	200	Rat TClo, rat 240 min LC50
2411	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2	10	30	50	250	Used PNOS default
2412	Polymethylmethacrylate; (Lucite)	9011-14-7	5	15	100	500	Rat implant TDlo
2413	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0	1	3	20	100	Rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2414	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	3	7.5	60	500	Mouse, pregnant, ip TDlo, rat ip LD50
2415	Polyoxyethylene monooctylphenyl ether	9036-19-5	15	50	350	500	
2416	Polyoxyethylene sorbitan monopalmitate; (Tween 40)	9005-66-7	12.5	40	250	500	Rat iv LD50
2417	Polyphosphoric acid	8017-16-1	1.5	5	40	200	
2418	Polypropylene	9003-07-0	12.5	40	250	500	
2419	Polypropylene glycol, (chloromethyl) oxirane polymer	9072-62-2	7.5	25	150	500	Rat oral LD50 minimum
2420	Polypropylene glycol, polytetramethylene glycol, 1,3-diisocyanatomethylbenzene polymer	65636-36-4	10	30	50	250	Used PNOS default
2421	Polypropylene glycols	25322-69-4	10	30	200	500	WEEL-TWA, rat oral LD50
2422	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6	10	30	200	500	
2423	Polysorbate 85; (Tween 85)	9005-70-3	75	250	500	500	Rat oral LD50 based on HHR = 1,
2424	Polystyrene resin; (Styrene polymer)	9003-53-6	0.75	2	15	75	
2425	Polysulfone resin	25135-51-7	10	30	50	250	Used PNOS default
2426	Polytetrafluoroethylene; (Teflon)	9002-84-0	3.5	10	60	350	Rat implant TDlo
2427	Polyurethane foam; (Urethane polymers)	9009-54-5	0.2	0.6	5	25	
2428	Polyurethane prepolymer of MDI and PEP	68092-58-0	10	30	50	250	Used PNOS default
2429	Polyvinyl alcohol	9002-89-5	40	125	500	500	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2430	Polyvinyl chloride	9002-86-2	1	3	40	200	TLV-TWA, TEEL-0*3, rat intratracheal TDlo, TEEL-2*5
2431	Potassium	7440-09-7	0.075	0.2	1.5	300	PAC-2/21, PAC-2/7, rat oral TDlo, mouse ip LD50
2432	Potassium acetate	127-08-2	12.5	40	250	500	
2433	Potassium acid fluoride	7789-29-9	5.14	15.4	25.7	500	Fluoride concentration limits
2434	Potassium aluminate	12003-63-3	7.27	21.8	36.3	150	Soluble aluminum compound limits used
2435	Potassium aluminite	z-0044	2.5	7.5	12.5	500	**SAR**
2436	Potassium aluminosilicate	1327-44-2	5	30	50	500	**SAR**
2437	Potassium antimonate; (Antimony potassium oxide)	29638-69-5	1.05	3.15	5.26	105	Antimony PEL-TWA, IDLH
2438	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	1.08	3.24	5.4	108	Antimony PEL-TWA, IDLH
2439	Potassium antimonite	z-0045	0.94	2.82	4.7	94	Antimony PEL-TWA, IDLH
2440	Potassium argentate	z-0046	0.0168	0.0503	0.0839	16.8	Silver PEL-TWA, IDLH
2441	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	0.024	0.35	2.5	12	Inorganic As limits, PEL-TWA, IDLH
2442	Potassium arsenite; (Potassium metaarsenite)	10124-50-2	0.0533	2	14	26.7	Inorganic As limits, PEL-TWA, LOC, IDLH
2443	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	0.0195	0.0585	6	9.74	Inorganic As limits, PEL-TWA, IDLH
2444	Potassium beryllium oxide	z-0047	0.016	0.016	0.02	32	Be compound limits, PEL-TWA, PEL-C, IDLH
2445	Potassium bicarbonate	298-14-6	12.5	35	60	500	**SAR**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2446	Potassium bi-iodate	13455-24-8	4	12.5	75	400	MSDS K.I.O3 mouse oral LDlo
2447	Potassium bismuthate	12589-75-2	1.25	4	25	200	**SAR**
2448	Potassium bisulfate	7646-93-7	10	30	200	500	
2449	Potassium bromate	7758-01-2	0.1	0.3	60	60	WEEL-TWA, human oral TDlo, rat oral LD50
2450	Potassium bromide	7758-02-3	12.5	40	250	500	
2451	Potassium cadminate	z-0048	0.0115	0.069	0.115	20.7	As Cd, PEL-TWA, IDLH
2452	Potassium carbonate	584-08-7	7.5	20	150	500	
2453	Potassium chlorate	3811-04-9	12.5	40	300	350	
2454	Potassium chloride	7447-40-7	1.5	5	15	15	
2455	Potassium chromate(VI)	7789-00-6	0.0187	0.75	6	56	Cr VI concentration limits
2456	Potassium citrate	866-84-2	1.25	4	30	150	
2457	Potassium citrate, monohydrate	6100-05-6	10	30	50	250	Used PNOS default
2458	Potassium columbate; (Potassium niobate)	12030-85-2	12.5	35	250	500	
2459	Potassium cyanide	151-50-8	5	5	5	62.6	PEL-TWA, LOC, IDLH
2460	Potassium dichromate	7778-50-9	0.0141	1.5	10	42.4	Cr VI concentration limits
2461	Potassium dideuterium phosphate	13761-79-0	0.0015	0.004	0.0075	0.015	MSDS data

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2462	Potassium ferricyanide	13746-66-2	5.9	17.7	30	500	TLV-TWA
2463	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	11.8	35.4	59	59	PEL-TWA, rat TClo, IDLH
2464	Potassium fluoride	7789-23-3	7.65	22.9	38.2	500	PEL-TWA, IDLH
2465	Potassium fluoride dihydrate	13455-21-5	12.4	37.2	61.9	500	Fluoride concentration limits
2466	Potassium formate	590-29-4	20	60	500	500	
2467	Potassium glycolate	1932-50-9	35	75	600	3,500	**SAR**
2468	Potassium gold cyanide	554-07-4	27.7	83	138	138	PEL-TWA, PEL-TWA*3, PEL-TWA*5, IDLH, as CN
2469	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
2470	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-, dipotassium)	16871-90-2	0.4	1.25	7.5	60	Rat oral TDlo, rat oral LD50
2471	Potassium hydride	7693-26-7	1.5	5	35	150	Rat oral LD50 based on HHR = 3
2472	Potassium hydrogen lead oxide	z-0049	0.06	0.06	0.06	125	**SAR**
2473	Potassium hydrogen metasilicate	z-0051	10	30	50	250	Used PNOS default
2474	Potassium hydrogen pyrophosphate	z-0050	4	12.5	20	400	**SAR**
2475	Potassium hydroxide	1310-58-3	0.1	0.3	2	125	PAC2/21, PAC-2/7, TLV-C, ret oral LD50
2476	Potassium iminodiacetate; (Potassium IDA)	z-0052	35	100	750	4,000	**SAR**
2477	Potassium iodate	7758-05-6	20	60	60	60	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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 iodide	7681-11-0	0.25	0.75	6	300	
2479	Potassium lanthanate	z-0053	0.4	1.25	2.5	2.5	**SAR**
2480	Potassium metaborate	13709-94-9	12.5	35	250	500	**SAR**
2481	Potassium molybdate	13446-49-6	1.24	3.72	6.21	500	Molybdenum concentration limits
2482	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	2.88	2.88	3	28.8	Nickel concentration limits
2483	Potassium nickelate (liquids)	z-0055	3.49	3.49	3.5	34.9	Nickel concentration limits
2484	Potassium nickelate (solids)	z-0056	3.49	3.49	3.5	34.9	Nickel concentration limits
2485	Potassium nitrate	7757-79-1	1	3.5	25	500	
2486	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1	5	15	100	500	
2487	Potassium nitrite	7758-09-0	0.04	0.1	0.75	500	
2488	Potassium orthovanadate	14293-78-8	0.228	1	7	159	Concentration limits as vanadium pentoxide
2489	Potassium oxalate	583-52-8	7.5	25	150	500	Woman oral LDlo
2490	Potassium oxalate monohydrate	6487-48-5	7.5	25	150	500	
2491	Potassium oxide	12136-45-7	0.1	0.3	2	125	Used K.O.H. PAC
2492	Potassium perchlorate	7778-74-7	125	400	500	500	
2493	Potassium periodate	7790-21-8	1	3	20	100	Estimated rat 240 min LC50 based on HR

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2494	Potassium permanganate	7722-64-7	0.575	8.63	14.4	500	
2495	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	0.1	10	60	350	TLV-TWA
2496	Potassium phosphate dibasic trihydrate	16788-57-1	300	500	500	500	
2497	Potassium phosphate, dibasic	7758-11-4	10	30	50	250	
2498	Potassium phosphate, monobasic	7778-77-0	10	30	50	500	
2499	Potassium phosphate, tribasic	7778-53-2	10	30	50	500	
2500	**Potassium phosphide**	**20770-41-6**	2.5	7.5	**12.1**	**21.8**	PAC-2/5, PAC-2*3/5, **AEGL-2, AEGL-3**
2501	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	125	350	500	500	
2502	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	10	30	50	250	Used PNOS default
2503	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
2504	Potassium selenate	7790-59-2	0.56	1.68	2.8	2.8	Used Se concentration limits
2505	Potassium selenite	10431-47-7	0.52	1.56	2.6	2.6	Used Se concentration limits
2506	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	10	30	50	250	Used PNOS default
2507	Potassium silver cyanide	506-61-6	0.0184	2.5	18.4	18.4	PEL-TWA, PAC-2/7, PAC-3, IDLH as Ag
2508	Potassium stannate	12142-33-5	2.5	7.5	12.5	125	**SAR**
2509	Potassium strontium phosphate	53201-92-6	10	30	50	500	**SAR**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2510	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	2	6	40	500	
2511	Potassium sulfite	10117-38-1	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, estimated human LDlo
2512	Potassium tellurate	15571-91-2	0.211	0.634	1.06	52.9	PEL-TWA, IDLH
2513	Potassium tellurite	7790-58-1	0.199	0.597	3.5	49.7	PEL-TWA, IDLH
2514	Potassium tetrafluoroborate(1-)	14075-53-7	4.14	124	207	414	Fluoride concentration limits
2515	Potassium tetraphenylborate	3244-41-5	1	3	5	25	MSDS TLV-TWA
2516	Potassium thiocyanate	333-20-0	12.5	35	60	60	
2517	Potassium trihydrogen silicate	z-0058	10	30	50	250	Used PNOS default
2518	Potassium tungstate (liquids)	7790-60-5a	1.77	5.32	5.32	5.32	TLV-TWA, TLV-STEL
2519	Potassium tungstate (solids)	7790-60-5b	1.77	5.32	5.32	5.32	TLV-TWA, TLV-STEL
2520	Potassium uranyl carbonate	z-0059	0.492	1.18	4	19.7	Uranium compound concentration limits
2521	Potassium zirconate; (Potassium zirconium oxide; Dipotassium zirconate)	12030-98-7	11.9	23.8	25	119	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
2522	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	1.5	5	35	150	
2523	Praseodymium	7440-10-0	1.5	5	35	150	Rat oral LD50 based on HHR = 3
2524	Praseodymium nitrate	10361-80-5	7.5	20	150	500	
2525	Praseodymium oxide	12036-32-7	7.5	25	150	500	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2526	Praseodymium(III,IV) oxide	12037-29-5	20	60	400	500	Rat oral LD50 minimum
2527	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	3	10	16	25	LOC
2528	Propanamine, 1-; (Propylamine)	107-10-8	40	125	600	600	
2529	**Propane**	**74-98-6**	1,500	**9,920**	**30,600**	**59,500**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
2530	Propane sultone, 1,3-	1120-71-4	0.4	1.25	7.5	20	
2531	Propanediamine, 1,2-	78-90-0	7.5	25	200	500	
2532	Propanediamine, 1,3-	109-76-2	0.6	1.5	12.5	125	
2533	**Propanedinitrile; (Malononitrile)**	**109-77-3**	7.5	7.5	**13.2**	**27**	REL-TWA, REL-TWA, **AEGL-2, AEGL-3**
2534	Propanediol, 1,3-	504-63-2	20	60	400	500	Mouse oral LD50
2535	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 TClo
2536	Propanethiol; (n-Propylmercaptan)	107-03-9	0.075	0.2	1.5	2,500	REL-C, rat 240 min LC50
2537	Propanol, zirconium(4+) salt, 1-	23519-77-9	18	35.9	89.8	180	Zr concentration limits
2538	**Propargyl alcohol**	**107-19-7**	2	**5.73**	**36.7**	**170**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
2539	Propargyl bromide	106-96-7	0.03	0.03	0.03	20	WEEL-TWA, LOC, rat oral LD50
2540	Propiolactone, b-	57-57-8	1.5	1.5	15	40	TLV-TWA, LOC,
2541	**Propionaldehyde**	**123-38-6**	40	**107**	**617**	**1,990**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2542	Propionic acid	79-09-4	30	40	40	1,000	TLV-TWA, REL-STEL
2543	Propionic acid, 3-ethoxy-, ethyl ester	763-69-9	20	60	400	500	
2544	Propionic acid, sodium salt	137-40-6	15	50	350	500	Mouse oral LD50, rat TDlo
2545	Propionic anhydride	123-62-6	10	30	200	500	
2546	**Propionitrile; (Propiononitrile)**	**107-12-0**	12.5	12.5	**15.8**	**83.3**	REL-TWA, REL-TWA, **AEGL-2, AEGL-3**
2547	Propionyl chloride	79-03-8	0.3	0.75	6	30	
2548	Propoxur	114-26-1	0.5	1.5	20	20	TLV-TWA,
2549	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
2550	Propyl acetate, n-	109-60-4	750	1,000	1,000	6,000	PEL-TWA, TLV-STEL, human TClo, IDLH
2551	Propyl alcohol, n-; (n-Propanol)	71-23-8	500	600	600	2,000	PEL-TWA, REL-STEL, rat oral TDlo, IDLH
2552	**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**
2553	Propyl nitrate	627-13-4	100	150	400	2,000	PEL-TWA, TLV-STEL, PAC-3/5, IDLH
2554	Propyl-1-butanamine, N-	20193-21-9	15	50	350	500	**SAR**
2555	Propylbenzene, n-; (Isocumene)	103-65-1	150	400	3,000	15,000	
2556	Propylene carbonate, 1,2-	108-32-7	0.125	0.35	2.5	12.5	
2557	**Propylene glycol dinitrate**	**6423-43-4**	0.35	**1.15**	**6.79**	**88.3**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2558	**Propylene glycol monomethyl ether acetate, 1,2-; (1-Methoxypropyl-2-acetate)**	**108-65-6**	270	**270**	**5,400**	**27,000**	WEEL-TWA, **ERPG-1, ERPG-2, ERPG-3**
2559	**Propylene glycol monomethyl ether acetate, beta; (2-Methoxypropoyl-1-acetate)**	**70657-70-4**	25	**270**	**5,400**	**27,000**	MAK-TWA, **ERPG-1, ERPG-2, ERPG-3**
2560	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	107-98-2	350	500	1,000	2,500	TLV-TWA, TLV-STEL
2561	Propylene glycol mono-n-butyl ether; (3-butoxy-1-propanol)	10215-33-5	250	250	1,500	2,500	WEEL-TWA, rat TClo, rat oral LD50
2562	Propylene glycol; (1,2-Propanediol)	57-55-6	10	10	10	500	WEEL-TWA
2563	**Propylene oxide; (Methyl ethylene oxide)**	**75-56-9**	4	**173**	**689**	**2,070**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
2564	Propylene; (1-Propene)	115-07-1	750	2,500	15,000	35,000	TLV-TWA, mouse TClo, rat LC minimum
2565	**Propyleneimine, 1,2-**	**75-55-8**	0.75	0.75	**28**	**53.7**	PEL-TWA, PEL-TWA, **AEGL-2, AEGL-3**
2566	**Propyltrichlorosilane**	**141-57-1**	1.5	**4.35**	**53**	**239**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
2567	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	0.35	1	1.7	7.5	LOC
2568	Pump oil	64742-65-0	100	300	500	500	
2569	Pyrene	129-00-0	0.75	2.5	15	15	PAC-1/3, PAC-2/7, PAC-3, rat 240 min LC50
2570	Pyrethrin 1; (Cyclopropanecarboxylic acid, 3,3-dimethyl-3-(2-methylpropenyl)-, ester with 4-hydroxy-3-)	121-21-1	5	10	25	100	TLV-TWA, STEL, 5*TLV, rat oral LD50
2571	Pyridine	110-86-1	3	10	15	3,000	TLV-TWA, TEEL-O, TEEL-0, IDLH
2572	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	12.5	40	250	500	Mouse oral LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2573	Pyridine-d5	7291-22-7	3.5	10	15	3,500	Pyridine PAC
2574	Pyriminil; (Pyriminyl)	53558-25-1	1.25	3.5	6.2	20	LOC
2575	Pyrogallic acid	87-66-1	0.75	2.5	15	25	Human oral LDlo, rat oral TDlo
2576	Pyromellitic acid	89-05-4	1.25	3.5	25	125	
2577	Pyroxylin; (Cellulose tetranitrate)	9004-70-0	20	60	400	500	Rat oral LD50 minimum
2578	Pyrrole; (Imidole)	109-97-7	0.1	0.3	2	10	Mouse sc LD50
2579	Pyrrolidine	123-75-1	5	15	100	500	
2580	Pyrrolidinone, 2-	616-45-5	3.5	10	60	150	
2581	Pyruvate kinase	9001-59-6	2.5	7.5	50	500	
2582	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	1.5	5	35	150	
2583	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
2584	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
2585	Quinhydrone	106-34-3	0.3	0.75	6	30	
2586	Quinoline	91-22-5	0.005	3.5	25	150	WEEL-TWA, rat oral TDlo, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2587	Quinolinol, 8-	148-24-3	2.5	7.5	50	500	
2588	Red Arrow Insect Spray	z-0117	3.5	10	60	200	Calculated for 6-component mixture
2589	Resorcinol	108-46-3	40	75	75	75	TLV-TWA, TLV-STEL
2590	Rexyn I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quanternized, hydroxide)	69011-49-0	10	30	50	250	Used PNOS default
2591	Rhenium hexafluoride	10049-17-9	6.58	19.8	32.9	500	Fluoride PEL-TWA and IDLH, as F
2592	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	1.3	3.9	6.5	30	Used soluble tungsten adjusted for MW, limits
2593	Rhodium	7440-16-6	0.1	3	5	100	PEL-TWA, IDLH
2594	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a	0.00131	0.075	0.5	2.6	PEL-TWA, IDLH
2595	Rhodium oxide (solids); (Rhodium((IV) oxide)	12137-27-8b	0.131	3.93	6.56	131	PEL-TWA, IDLH
2596	Rhodium(III) hydroxide (liquids)	21656-02-0a	0.0015	0.075	0.6	2.99	PEL-TWA, IDLH
2597	Rhodium(III) hydroxide (solids)	21656-02-0b	0.15	4.49	7.5	150	PEL-TWA, IDLH
2598	Rhodium(III) oxide (solids)	12036-35-0	0.123	3.7	6.17	123	
2599	Riboflavine	83-88-5	7.5	25	150	500	Rat sc LD50
2600	Ribonuclease T1	9026-12-4	10	30	50	250	Used PNOS default
2601	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	0.1	0.3	40	40	Netherlands MAC, rat LC50
2602	Rotenone	83-79-4	5	15	25	125	PEL-TWA, TEEL-O, TEEL-0, human oral LDlo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2603	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	400	400	750	4,000	PEL-TWA, PAC-2/7, PAC-3/5, IDLH
2604	Rubidium	7440-17-7	5	15	100	500	
2605	Rubidium bromide	7789-39-1	10	30	50	250	Used PNOS default
2606	Rubidium chloride	7791-11-9	0.015	0.05	0.35	500	
2607	Rubidium hydroxide	1310-82-3	2.5	7.5	50	250	
2608	Rubidium nitrate	13126-12-0	20	60	400	500	
2609	Ruthenium	7440-18-8	10	30	50	250	Used PNOS default
2610	Ruthenium trichloride	10049-08-8	1.5	4	30	150	
2611	Ruthenium(IV) oxide	12036-10-1	4	12.5	15	15	
2612	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	5	15	100	500	
2613	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	7.5	20	39	400	LOC, mouse 330 min LClo
2614	Salicylaldehyde	90-02-8	0.6	1.5	12.5	200	Pregnant rat subcutaneous TDlo, rat oral LD50
2615	Salicylic acid	69-72-7	0.3	0.75	6	400	
2616	Salicylic acid, monoammonium salt	528-94-9	1.5	4	30	500	Human oral TDlo, rat parenteral LDlo
2617	Salicylic acid, phenyl ester	118-55-8	4	12.5	75	500	Rat oral TDlo and LD50
2618	Samarium	7440-19-9	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2619	Samarium nitrate	10361-83-8	7.5	25	150	500	
2620	Samarium(II) iodide solution	32248-43-4	7.5	25	150	500	Estimated rat oral LD50 based on HHR
2621	Samarium(III) chloride hexahydrate	13465-55-9	12.5	40	250	500	Rat oral LD50
2622	Samarium(III) oxide	12060-58-1	20	60	400	500	
2623	Saxitoxin	35523-89-8	0.000035	0.0001	0.0006	0.0035	TEEL-3/105, TEEL-3/35, TEEL-3/5, human uk LDlo
2624	Scandium	7440-20-2	10	30	50	250	Used PNOS default
2625	Scandium oxide	12060-08-1	10	30	50	250	Used PNOS default
2626	Selenious acid	7783-00-8	0.327	0.98	250	250	PEL-TWA, LOC
2627	Selenium	7782-49-2	0.2	0.6	1	1	PEL-TWA, IDLH
2628	Selenium dioxide	7446-08-4	0.281	0.843	1.41	150	TLV-TWA
2629	**Selenium hexafluoride**	**7783-79-1**	0.418	**0.418**	**0.686**	**2.05**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2630	Selenium monosulfide	7446-34-6	0.281	0.844	12.5	15	PEL-TWA
2631	Selenium oxychloride	7791-23-3	0.42	1.26	10	10	PEL-TWA, LOC
2632	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	0.362	1.09	1.81	60	PEL-TWA
2633	Semicarbazide hydrochloride	563-41-7	20	60	100	100	LOC
2634	Sephacryl s-200, superfine	65546-95-4	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2635	Sephacryl s-300	82785-74-8	10	30	50	250	Used PNOS default
2636	Sephadex G-25	9041-35-4	10	30	50	250	Used PNOS default
2637	Sepharose cl-4b	61970-08-9	10	30	50	250	Used PNOS default
2638	**Silane; (Silicon tetrahydride)**	**7803-62-5**	6	**131**	**171**	**355**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
2639	Silica amorphous hydrated	7631-86-9	6	18	125	500	REL-TWA, rat TClo, IDLH
2640	Silica gel	63231-67-4	6	18	30	500	REL-TWA, IDLH
2641	Silica gel dessicant	1343-98-2	6	18	30	500	REL-TWA, IDLH
2642	Silica gel, amorphous synthetic	112926-00-8	6	18	100	500	REL-TWA, rat TClo, IDLH
2643	Silica, amorphous fume	69012-64-2	0.3	0.9	1.5	500	MAK-TWA, IDLH
2644	Silica, amorphous fumed	112945-52-5	6	18	30	500	REL-TWA, IDLH
2645	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	0.025	0.075	0.125	50	REL-TWA, IDLH
2646	Silicic acid	7699-41-4	0.3	10	75	400	Swiss MAK
2647	Silicic acid, aluminum calcium sodium salt	1344-01-0	10	30	50	60	Al sol. Salts REL-TWA. human oral TDlo
2648	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	7.5	25	150	500	Rat oral LD50
2649	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	3.16	9.48	15.8	50	Fluoride concentration limits
2650	Silicon	7440-21-3	15	45	75	500	PEL-TWA, TEEL-0*3, TEEL-0*5, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2651	Silicon carbide	409-21-2	15	45	250	500	PEL-TWA
2652	Silicon nitride	12033-89-5	10	30	50	250	Used PNOS default
2653	**Silicon tetrafluoride; (Tetrafluorosilane)**	**7783-61-1**	0.213	**0.213**	**14**	**42.5**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2654	Silicon(II) oxide; (Silicon oxide)	10097-28-6	10	30	50	250	Used PNOS default
2655	Siloprene k 1000	63394-02-5	35	100	500	500	Rat implant TDlo, rat oral LD50 maximum
2656	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	6	15	125	500	Rat TClo
2657	Siloxanes and silicones, methyl phenyl; (Silicone fluid, high temp)	63148-58-3	2.5	7.5	50	250	Rat 240 min LC50
2658	Silver	7440-22-4	0.01	0.3	0.5	10	PEL-TWA, IDLH
2659	Silver carbonate; (Silver(I) carbonate)	534-16-7	0.0128	0.0383	0.0639	12.8	PEL-TWA, IDLH
2660	Silver chloride	7783-90-6	0.0133	0.0399	0.0664	13.3	PEL-TWA, IDLH
2661	Silver cyanide	506-64-9	25.7	77.2	129	129	PEL-TWA, IDLH, as CN
2662	Silver hydroxide	12673-77-7	0.0116	0.0347	0.06	11.6	PEL-TWA, IDLH
2663	Silver nitrate	7761-88-8	0.0157	0.4	3	15.7	PEL-TWA, PAC=2/7, rat intratracheal TDlo, IDLH
2664	Silver nitrite; (Silver(I) nitrite)	7783-99-5	0.0143	0.0428	0.075	14.3	PEL-TWA, IDLH
2665	Silver oxide	20667-12-3	0.3	0.75	6	30	Rat intraperitoneal LD 50
2666	Soda lime	8006-28-8	2	6	10	25	Estimated limits of mixture

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2667	Sodium	7440-23-5	0.5	0.5	5	50	Used Na.OH PAC
2668	Sodium acetate	127-09-3	15	40	300	500	
2669	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	15	40	300	500	
2670	Sodium aluminate anhydrous; (Aluminum sodium dioxide anhydrous)	11138-49-1	8.75	26.2	43.7	200	Al soluble salts concentration limits
2671	Sodium aluminate; (Aluminum sodium dioxide)	1302-42-7	6.08	18.2	30.4	150	Al soluble salts concentration limits
2672	Sodium aluminosilicate	1344-00-9	3.5	10	150	500	**SAR**
2673	Sodium aluminum hydride	13770-96-2	3	7.5	60	300	Mouse oral LD50
2674	Sodium aluminum silicate	73987-94-7	3.5	10	15	500	**SAR**
2675	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	1.01	3.04	5.07	101	Sb PEL-TWA, IDLH
2676	Sodium antimonate; (Sodium hexahydroxoantimonate)	33908-66-6	0.792	2.37	4	79.2	Sb PEL-TWA, IDLH
2677	Sodium antimonite	z-0061	0.874	2.62	4.37	87.4	Sb PEL-TWA, IDLH
2678	Sodium argentate	z-0062	0.0153	0.0459	0.0764	15.3	Ag PEL-TWA, IDLH
2679	Sodium arsenate	7631-89-2	0.0271	2	13.5	13.5	As PEL-TWA, PAC-2/7, PAC-3, IDLH
2680	Sodium arsenite	7784-46-5	0.0173	1.25	8.67	8.67	As PEL-TWA, PAC-2/7, PAC-3, IDLH
2681	Sodium azide	26628-22-8	0.2	3	20	20	MAK-TWA, LOC,
2682	Sodium beryllium oxide	z-0063	0.0124	0.0311	0.0311	24.9	PEL-TWA, PEL-C, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2683	Sodium bicarbonate	144-55-8	0.1	0.35	2	500	
2684	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	4.08	10	75	408	PEL-TWA, IDLH
2685	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	15	45	75	350	Al REL-TWA
2686	Sodium bismuthate	12232-99-4	1.5	5	35	150	
2687	Sodium bisulfate monohydrate	10034-88-5	0.75	2.5	15	75	
2688	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	1.25	3.5	25	125	
2689	Sodium bisulfite	7631-90-5	5	15	25	500	TLV-TWA
2690	Sodium borate decahydrate	1303-96-4	17.6	52.9	200	500	TLV-TWA, TLV-STEL, rat oral TDlo, human oral LDlo
2691	Sodium borate; (Disodium tetraborate; Borates, tetrasodium salts)	1330-43-4	9.31	27.9	27.9	500	TLV-TWA, TLV-STEL, rat oral TDlo, rat oral LD50
2692	Sodium borohydride	16940-66-2	0.075	0.2	1.5	7.5	
2693	Sodium bromate	7789-38-0	0.6	1.5	12.5	60	
2694	Sodium bromide	7647-15-6	1.5	5	35	500	
2695	Sodium butyl (2-ethylhexyl)phosphate	z-0064	0.02	0.06	0.4	2	**SAR**
2696	Sodium butyl butylphosphonate	z-0065	0.02	0.06	0.4	2	**SAR**
2697	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	1.07	3.2	40	500	PEL-TWA, 3 x TLV-TWA, adjusted LOC, oral rat LD50 exceeded 500 mg/m^3 max
2698	Sodium cadminate	z-0066	0.0101	0.0604	0.101	18.1	PEL-TWA, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2699	Sodium carbonate	497-19-8	0.0125	0.04	0.25	500	
2700	Sodium carbonate monohydrate	5968-11-6	1.5	5	35	150	
2701	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4	0.4	1.25	7.5	500	
2702	Sodium chloride	7647-14-5	15	40	300	500	
2703	Sodium chlorite	7758-19-2	0.75	2.5	15	75	
2704	Sodium chromate decahydrate	13517-17-4	0.0329	2.5	20	98.7	Cr VI concentration limits
2705	Sodium chromate tetrahydrate	10034-82-9	0.0291	2.5	15	87.4	Cr VI concentration limits
2706	Sodium chromate(VI); (Disodium chromate)	7775-11-3	0.0156	0.125	0.75	46.7	Cr VI concentration limits
2707	Sodium citrate; (Monosodium citrate)	18996-35-5	5	15	100	500	Rat oral LD50
2708	Sodium cobaltinitrite	13600-98-1	0.125	0.4	3	15	
2709	Sodium cyanide	143-33-9	5	5	5	47.1	
2710	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	10	30	50	250	Used PNOS default
2711	Sodium deuteroxide	14014-06-3	0.5	0.5	5	50	Used Na.OH PAC
2712	Sodium dichromate dihydrate	7789-12-0	0.0143	0.43	0.716	43	Cr VI concentration limits
2713	Sodium dichromate; (Disodium dichromate)	10588-01-9	0.0126	20	37.8	37.8	Cr VI concentration limits
2714	Sodium diethyldithiocarbamate trihydrate	20624-25-3	2	6	10	500	MAK-TWA, rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2715	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5	2	6	250	500	
2716	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	100	300	500	500	
2717	Sodium dithionate dihydrate	7631-94-9	10	30	50	250	Used PNOS default
2718	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	4	12.5	75	200	
2719	Sodium ethoxide	141-52-6	1.5	5	35	150	Rat oral LD50 based on HHR = 3
2720	Sodium ferrocyanide	13601-19-9	5.44	16.3	27.2	500	TLV-TWA
2721	Sodium fluoride	7681-49-4	5.53	5.53	5.53	500	PEL-TWA, IDLH
2722	Sodium formate	141-53-7	40	125	500	500	
2723	Sodium gluconate	527-07-1	0.6	2	15	75	
2724	Sodium glycinate	6000-44-8	4	12.5	100	500	
2725	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	40	125	750	3,000	
2726	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	10	30	50	250	Used PNOS default
2727	Sodium hydride	7646-69-7	0.4	1.25	7.5	40	Rat LC50 based on HHR = 3
2728	Sodium hydrogen lead oxide	z-0067	0.06	0.06	0.06	125	**SAR**
2729	Sodium hydrogen metasilicate	z-0068	4	12.5	75	400	**SAR**
2730	Sodium hydrogen pyrophosphate	z-0069	4	12.5	20	400	**SAR**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2731	Sodium hydrosulfite	7775-14-6	10	30	50	250	Used PNOS default
2732	**Sodium hydroxide**	**1310-73-2**	0.5	**0.5**	**5**	**50**	PAC-1, **ERPG-1, ERPG-2, ERPG-3**
2733	Sodium hypobromite	13824-96-9	10	30	50	250	Used PNOS default
2734	Sodium hypochlorite	7681-52-9	0.6	2	50	500	WEEL-STEL, human iv TDlo, mouse oral LD50
2735	Sodium hypochlorite pentahydrate	10022-70-5	0.075	0.2	1.5	500	
2736	Sodium hypophosphite	7681-53-0	6	20	125	500	Mouse ip LD50
2737	Sodium hypophosphite hydrate	123333-67-5	6	20	125	500	Mouse intraperitoneal LD50
2738	Sodium iodate	7681-55-2	2	6	40	200	Mouse oral LD50
2739	Sodium iodide	7681-82-5	0.75	2.5	15	500	
2740	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	0.25	0.75	6	100	
2741	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	15	40	300	500	Rat ip TDlo and LD50
2742	Sodium lanthanate	z-0070	0.4	1.25	2.5	2.5	**SAR**
2743	Sodium lauryl sulfate	151-21-3	0.35	1	6	500	
2744	Sodium metabisulfite	7681-57-4	5	15	25	100	TLV-TWA
2745	Sodium metaborate	7775-19-1	12.4	37.1	200	500	Inorganic borate compound TLV-TWA, TLV-STEL, rat oral LD50
2746	Sodium metaphosphate	10361-03-2	3.5	10	75	350	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2747	Sodium metasilicate nonahydrate	13517-24-3	61.1	61.1	100	500	Used REL-TWA for silicates, rat oral LD50
2748	Sodium metasilicate pentahydrate	10213-79-3	45.3	45.3	75	350	Used REL-TWA for silicates, rat oral LD50
2749	Sodium metavanadate; (Sodium vanadate)	13718-26-8	0.12	0.15	1.2	30	TLV-TWA, PEL-C
2750	Sodium methylate	124-41-4	7.5	25	150	500	
2751	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	12.6	12.6	500	500	PEL-TWA, IDLH
2752	Sodium monoxide; (Sodium oxide)	12401-86-4	0.5	0.5	5	50	Used Na.OH PAC
2753	Sodium nickel oxide (Liquid)	37367-09-2	0.233	0.699	1.16	23.3	Ni TLV-TWA, IDLH
2754	Sodium nickelate (Liquids)	z-0073	0.294	0.883	1.5	29.4	Ni TLV-TWA, IDLH
2755	Sodium nickelate (Solids)	z-0074	0.589	1.77	3	29.4	Ni TLV-TWA, IDLH
2756	Sodium nitrate	7631-99-4	0.4	1	7.5	100	
2757	Sodium nitrite	7632-00-0	0.05	0.15	1	60	
2758	Sodium nitroferricyanide	14402-89-2	0.6	2	12.5	20	Woman iv TDlo, human inh 3 hour LDlo
2759	Sodium o-benzyl-p-chlorophenate	3184-65-4	10	30	50	250	Used PNOS default
2760	Sodium orthovanadate	13721-39-6	0.181	0.25	1.81	126	TLV-TWA, PEL-C, IDLH
2761	Sodium oxalate	62-76-0	0.25	0.75	6	30	
2762	Sodium oxide; (Disodium oxide; Sodium monoxide)	1313-59-3	0.5	0.5	5	50	Based on sodium hydroxide PAC

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2763	Sodium pentachlorophenate	131-52-2	1	3.5	24	75	PAC-1/3, PAC-2/7, adjusted LOC, mouse 120 min LC50
2764	Sodium perchlorate	7601-89-0	7.5	25	150	500	
2765	Sodium perchlorate monohydrate	7791-07-3	5	15	100	500	
2766	Sodium permanganate	10101-50-5	0.517	7.75	12.9	500	TLV-TWA, REL-STEL, PEL-C, IDLH, as Mn
2767	Sodium peroxide	1313-60-6	0.5	0.5	5	50	Used Na.OH PAC
2768	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	7.5	25	150	500	
2769	Sodium persulfate	7775-27-1	0.1	2.5	20	100	TLV-TWA
2770	Sodium phosphate	7632-05-5	0.75	2.5	15	75	
2771	Sodium phosphate, dibasic	7558-79-4	60	200	500	500	
2772	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	1.5	5	35	150	
2773	Sodium phosphate, dibasic, heptahydrate	7782-85-6	50	150	500	500	
2774	Sodium phosphate, monobasic	7558-80-7	35	100	500	500	
2775	Sodium phosphate, tribasic, dodecahydrate	10101-89-0	30	75	500	500	
2776	Sodium phosphate, tribasic; (Trisodium phosphate)	7601-54-9	1.5	5	500	500	PAC-1/3, WEEL-STEL, TEEL-3/5, rabbit intravenous LDlo
2777	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8	25	75	500	500	
2778	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	15	40	300	500	

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2779	**Sodium phosphide**	**12058-85-4**	1.5	5	**8.17**	**14.7**	PAC-2/5, PAC-2*3/5, **AEGL-2, AEGL-3**
2780	Sodium polyphosphate	68915-31-1	12.5	40	250	500	Rat oral LD50
2781	Sodium polytungstate	12141-67-2	6.77	13.5	35	150	Tungsten insoluble TLV-TWA, TLV-STEL
2782	Sodium potassium tartrate tetrahydrate	6381-59-5	20	60	400	500	
2783	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	20	60	400	500	Mouse iv TDlo
2784	Sodium p-tert-amylphenate; (4-(1,1-Dimethylpropyl)phenol, sodium salt)	31366-95-7	10	30	50	250	Used PNOS default
2785	Sodium pyrophosphate decahydrate	13472-36-1	10	30	200	500	Estimated mouse LD50
2786	Sodium pyrophosphate, di-	7758-16-9	10	30	200	500	
2787	Sodium pyruvate; (Pyruvic acid, sodium salt)	113-24-6	10	30	50	250	Used PNOS default
2788	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	40	100	500	500	Women TDlo, human LDlo
2789	Sodium selenate; (Disodium selenate)	13410-01-0	0.479	1.44	1.6	1.6	PEL-TWA
2790	Sodium selenite	10102-18-8	0.438	1.31	2.3	3	PEL-TWA
2791	Sodium silicate; (Sodium metasilicate)	6834-92-0	75	200	500	500	Human oral TDlo, rat oral LD50
2792	Sodium stannate	12058-66-1	3.58	10.8	17.9	179	TLV-TWA, IDLH
2793	Sodium stearate	822-16-2	0.15	0.5	3.5	15	
2794	Sodium strontium phosphate	19553-80-1	10	30	50	500	**SAR**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2795	Sodium succinate	150-90-3	35	100	750	4,000	
2796	Sodium succinate, hexahydrate	6106-21-4	35	100	500	500	Used sodium succinate mouse iv LD50
2797	Sodium sulfamate	13845-18-6	7.5	25	150	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, estimated rat oral LD50
2798	Sodium sulfate, anhydrous	7757-82-6	75	200	500	500	
2799	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	0.06	0.15	1.25	6	
2800	Sodium sulfide	1313-82-2	0.75	2.5	15	75	
2801	Sodium sulfide nonahydrate	1313-84-4	0.2	0.6	4	20	Mouse intraperitoneal LD50
2802	Sodium sulfite	7757-83-7	1	3	20	100	
2803	Sodium tartrate dihydrate	6106-24-7	5	15	100	500	Rat oral LD50
2804	Sodium tellurate	10101-83-4	0.186	0.559	0.931	150	PEL-TWA
2805	Sodium tellurite	10102-20-2	0.174	0.521	20	25	PEL-TWA, 3 x TWA, LOC, oral rat LD50
2806	Sodium tetrafluoroborate(1-)	13755-29-8	3.61	10.8	18.1	361	Fluoride concentration limits
2807	Sodium tetraphenyl borate	143-66-8	1.25	3.5	25	125	
2808	Sodium thiosulfate	7772-98-7	20	60	400	500	
2809	Sodium thiosulfate pentahydrate	10102-17-7	1.25	3.5	25	500	
2810	Sodium titanate	12034-34-3	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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 tolyltriazole; (1H-Benzotriazole, 4(or 5)-methyl-, sodium salt)	64665-57-2	2.5	7.5	50	250	Rat LD50 minimum
2812	Sodium tridecylbenzene sulfonate	26248-24-8	2	6	40	200	Human minimum LD = 500 mg/kg
2813	Sodium triethylborohydride	17979-81-6	22.6	67.7	67.7	150	Borate TLV-TWA, -STEL rat oral LD50 based on HHR
2814	Sodium trihydrogen silicate	z-0076	10	30	50	250	Used PNOS default
2815	Sodium tripolyphosphate	7758-29-4	1.25	3.5	25	500	
2816	Sodium tungstate	13472-45-2	1	3	3	500	TLV-TWA, TLV-STEL,
2817	Sodium tungstate dihydrate	10213-10-2	1.79	5.38	15	75	TLV-TWA, TLV-STEL, rat ip LD50
2818	Sodium uranate; (Disodium uranate hexahydrate)	66018-57-3	0.39	0.935	3	15.6	U PEL-TWA, TLV-STEL, IDLH
2819	Sodium uranium oxide monohydrate; (Sodium uranate(VI) monohydrate)	10135-92-9	0.342	0.822	2.5	13.7	U PEL-TWA, TLV-STEL, IDLH
2820	Sodium uranyl carbonate	z-0078	0.45	1.08	3.5	18	U PEL-TWA, TLV-STEL, IDLH
2821	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	10.9	21.8	21.8	54.6	Zr PEL-TWA, TLV-STEL, IDLH
2822	Sodium-Potassium	11135-81-2	0.5	0.5	5	50	Na.OH PAC
2823	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7	25	75	500	500	PAC-2/21, PAC-2*7, rat TClo, PAC-2*5
2824	Solvent Yellow 3	97-56-3	2	6	40	500	
2825	**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**
2826	Sorbitan monolaurate; (D-Glucitol, 1,4-anhydro-, 6-dodecanoate)	5959-89-7	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8	0.75	2	15	500	Rat 7 week TDlo, rat iv LD50
2828	Sorbitan trioleate	26266-58-0	15	50	350	500	Rat iv TDlo
2829	Sorbitan, monolaurate	1338-39-2	350	500	500	500	Rat oral 14 day TDlo, rat oral LD50
2830	Sorbitan, monooleate	1338-43-8	250	500	500	500	Rat oral TDlo
2831	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6	0.75	2.5	15	500	Rat oral TDlo, mouse oral LD50
2832	Sorbitan, monostearate	1338-41-6	400	500	500	500	Rat oral repro TDlo, rat LD50
2833	Sorbitol, D-; (D-Glucitol)	50-70-4	40	125	500	500	
2834	Soybean oil; (Glycine SOJA)	8001-22-7	40	100	500	500	TEEL-2/21, TEEL-2/7, rat intramuscular TDlo, rat intravenous LD50
2835	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
2836	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
2837	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	4.39	4.39	5	219	Sn PEL-TWA, IDLH
2838	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
2839	Stannous octoate	301-10-0	0.341	2.5	15	85.3	Organic Sn PEL-TWA, IDLH
2840	Starch dust	9005-25-8	15	30	500	500	PEL-TWA, rat oral TDlo, mouse ip LD50
2841	**Stibine; (Antimony hydride)**	**7803-52-3**	0.5	1	**7.65**	**49**	PEL-TWA, PAC-2/7, **AEGL-2, AEGL-3**
2842	Stilbene	588-59-0	5	15	100	500	Mouse ip 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2843	Stilbene 3; (Stilbene 420; Tinopal CBS; Disodium 4,4'-bis(2-sulfostyryl)biphenyl)	27344-41-8	0.25	0.75	6	500	
2844	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	500	500	1,500	20,000	TLV-TWA, REL-C, IDLH
2845	Strontium	7440-24-6	40	125	500	500	
2846	Strontium carbonate	1633-05-2	10	30	200	500	Rat intratracheal TDlo
2847	Strontium chloride	10476-85-4	7.5	20	150	500	Rat oral TDlo, rat oral LD50
2848	Strontium hydroxide	18480-07-4	0.75	0.75	20	75	**SAR**
2849	Strontium nitrate	10042-76-9	10	35	250	500	
2850	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	0.04	0.1	0.75	75	**SAR**
2851	Strontium oxalate	814-95-9	7.5	25	60	75	**SAR**
2852	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	10	30	500	500	**SAR**
2853	**Strontium phosphide**	**12504-13-1**	1	3	**4.85**	**8.72**	PAC-2/5, PAC-2*3/5, **AEGL-2, AEGL-3**
2854	Strontium sulfate	7759-02-6	10	30	50	250	Used PNOS default
2855	Strychnine	57-24-9	0.15	0.3	0.3	3	PEL-TWA, LOC, IDLH
2856	Strychnine sulfate (2:1)	60-41-3	1	3	5	30	LOC
2857	**Styrene**	**100-42-5**	85.1	**85.1**	**553**	**4,680**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2858	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	20	60	250	250	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2859	Styrene-allyl alcohol copolymer	25119-62-4	10	30	50	250	Used PNOS default
2860	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
2861	Styrenesulfonate), poly(sodium 4-	25704-18-1	150	500	500	500	Pregnant rat oral TDlo, rat oral LD50 minimum
2862	Succinic acid	110-15-6	7.5	25	200	500	
2863	Succinic anhydride	108-30-5	0.75	2	15	500	
2864	Succinimidyl-6-(beta-maleimidopropionamido)hexanoate; (SMPH)	z-0120	10	30	50	250	Used PNOS default
2865	Sucrose	57-50-1	15	30	50	500	PEL-TWA, TLV-TWA*3, TLV-TWA*5, rat oral LD50
2866	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6	12.5	40	300	500	Dog oral TDlo, rat oral LDlo
2867	Sulfamic acid	5329-14-6	12.5	40	250	500	
2868	Sulfanilamide	63-74-1	1	3	20	500	
2869	Sulfanilic acid	121-57-3	50	150	500	500	Rat oral LD50
2870	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	10	30	50	250	Used PNOS default
2871	Sulfonylbis-ethanol, 2,2'-	2580-77-0	1.5	5	35	150	Estimated HHR = 3 and rat oral LD50
2872	Sulfosalicylic acid	97-05-2	10	30	200	500	
2873	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	7.5	20	150	500	Rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2874	Sulfotep; (TEDP)	3689-24-5	0.2	0.5	3.5	10	PEL-TWA, LOC, IDLH
2875	Sulfur	7704-34-9	0.125	0.4	2.5	12.5	
2876	**Sulfur dioxide**	**7446-09-5**	0.524	**0.524**	**1.96**	**78.5**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2877	Sulfur hexafluoride	2551-62-4	6,000	15,000	30,000	30,000	PEL-TWA, mammal LClo
2878	**Sulfur monochloride**	**10025-67-9**	2.92	**2.92**	**35.3**	**82.8**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2879	Sulfur pentafluoride	5714-22-7	0.1	0.1	0.1	10	PAC-2, PAC-2, TLV-C, IDLH
2880	Sulfur tetrafluoride	7783-60-0	0.4	1.25	9.19	9.19	LOC
2881	**Sulfur trioxide**	**7446-11-9**	0.06	**0.20**	**8.7**	**160**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
2882	**Sulfuric acid**	**7664-93-9**	0.2	**0.20**	**8.7**	**160**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
2883	Sulfuric Acid-d2; (Deuterosulfuric acid)	13813-19-9	0.2	0.2	8.7	160	Used H2.SO4 PAC
2884	Sulfurous acid	7782-99-2	0.0125	0.04	0.3	1.5	
2885	**Sulfuryl chloride**	**7791-25-5**	0.5	**1.65**	**20.4**	**60.7**	PAC-1/3, **ERPG-1, AEGL-2, AEGL-3**
2886	**Sulfuryl fluoride**	**2699-79-8**	20	40	**87.6**	**267**	PEL-TWA, TLV-STEL, **AEGL-2, AEGL-3**
2887	Talc	14807-96-6	2	2	10	500	TLV-TWA, TEEL-0, rat LClo, IDLH
2888	Tall oil (alkyd resin)	68333-62-0	10	30	50	250	Used PNOS default
2889	Tantalum	7440-25-7	5	10	200	500	PEL-TWA, REL-STEL, rat intratracheal TDlo, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2890	Tantalum carbide	12070-06-3	5.33	10.7	500	500	PEL-TWA, REL-STEL, IDLH
2891	Tantalum(V) ethoxide	6074-84-6	10	30	50	250	Used PNOS default
2892	Tantalum(V) fluoride	7783-71-3	7.26	21.8	36.3	500	Fluoride concentration limits
2893	Tantalum(V) oxide	1314-61-0	6.11	12.2	60	500	PEL-TWA, REL-STEL, rat LClo, IDLH
2894	Tartaric acid	87-69-4	4	12.5	75	400	
2895	Tartaric acid, monopotassium salt	868-14-4	150	500	500	500	Rat oral LD50
2896	Tartaric acid, monosodium salt	526-94-3	15	50	400	500	Mouse oral LD50
2897	Technetium(IV) oxide	12036-16-7	10	30	50	250	Used PNOS default, but use radiation dose
2898	Tellurium	13494-80-9	0.1	0.3	20	25	PEL-TWA, LOC, IDLH
2899	Tellurium chloride	10026-07-0	0.211	0.633	15	52.8	PEL-TWA, IDLH
2900	Tellurium hexafluoride	7783-80-4	0.35	1	1	15	PEL-TWA, LOC, IDLH
2901	Tellurium oxide; (Tellurium dioxide)	7446-07-3	0.125	0.375	5	31.3	PEL-TWA, IDLH
2902	Tellurous acid	10049-23-7	0.139	0.418	0.696	34.8	PEL-TWA, IDLH
2903	Terbium	7440-27-9	1.5	5	35	150	Rat oral LD50 based on HHR = 3
2904	Terbium oxide	12036-41-8	10	30	50	250	Used PNOS default
2905	Terbium(III,IV) oxide	12037-01-3	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2906	Terbufos	13071-79-9	0.01	0.03	1	1	TLV-TWA, TEEL-0*3, LOC, rat oral LD50
2907	Terephthalic acid	100-21-0	10	125	500	500	TLV-TWA
2908	Terephthaloyl chloride	100-20-9	0.75	2.5	20	500	
2909	Terphenyl, p-	92-94-4	0.4	1.25	9	500	PEL-C, IDLH
2910	Terphenyls; (Diphenylbenzene)	26140-60-3	0.4	1.25	9	500	PEL-C, IDLH
2911	Tert-butyl alcohol; (tert-Butanol)	75-65-0	300	400	5,000	5,000	PEL-TWA, REL-STEL, LOC,
2912	Tert-butyl benzoic acid, p-	98-73-7	2	6	50	200	PEL-TWA, LOC, rat oral LD50
2913	Tert-butyllithium	594-19-4	1.5	5	35	150	Rat LD50 estimated from HHR = 3
2914	Tert-butylphenol, p-; (Tert-butylphenol, 4-)	98-54-4	0.5	0.5	0.75	500	MAK-TWA, mouse TClo, rat LClo
2915	Tert-butylpyridine, 4-	3978-81-2	10	30	50	250	Used PNOS default
2916	Tetraamminepalladium(II) nitrate	13601-08-6	1.5	5	35	150	
2917	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	1.25	75	100	100	TLV-TWA, mouse TClo, IDLH
2918	Tetrabutyl ammonium phosphate	5574-97-0	10	30	50	250	Used PNOS default
2919	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	12.5	40	250	1,250	
2920	Tetrabutylammonium fluoride; (N,N,N-Tributyl-1-butanaminium, fluoride)	429-41-4	34.4	103	172	500	Fluoride concentration limits
2921	Tetrabutylammonium hydroxide	2052-49-5	0.06	0.15	1.25	6	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2922	Tetrabutylammonium nitrate	1941-27-1	0.075	0.25	1.5	7.5	
2923	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	400	1,250	15,000	15,000	TLV-TWA, TEEL-0, IDLH, IDLH
2924	Tetrachlorobenzene, 1,2,3,4-	634-66-2	12.5	35	250	500	
2925	Tetrachlorobenzene, 1,2,4,5-	95-94-3	6	15	125	500	
2926	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	0.0006	0.002	0.002	0.002	
2927	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	0.004	0.0125	0.075	0.4	
2928	Tetrachloroethane (mixed isomers)	25322-20-7	10	35	200	3,000	
2929	Tetrachloroethane, 1,1,1,2-	630-20-6	20	60	400	1,500	
2930	Tetrachloroethane, 1,1,2,2-	79-34-5	6	20	200	600	TLV-TWA, IDLH
2931	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	2.5	7.5	50	250	
2932	**Tetrachlorosilane; (Silicon chloride)**	**10026-04-7**	1	**3.12**	**38.2**	**174**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
2933	Tetracosafluorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	3.42	10.3	17.1	342	Fluoride concentration limits
2934	Tetracyanoquinodimethane	1518-16-7	0.4	1.25	10	50	
2935	Tetracycline hydrochloride	64-75-5	0.75	2.5	15	500	
2936	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	2,500	7,500	60,000	3.50E+05	Rat TClo, rat LClo minimum
2937	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2938	Tetradecanoic acid; (Myristic acid)	544-63-8	0.35	1	7.5	35	
2939	Tetradecyltrimethylammonium bromide	1119-97-7	15	50	350	500	Rat oral LD50
2940	Tetraethyl lead	78-00-2	0.117	0.468	4	62.4	PEL-TWA, LOC, IDLH
2941	**Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)**	**78-10-4**	75	**213**	**850**	**2,550**	PAC-1, **ERPG-1, ERPG-2, ERPG-3**
2942	Tetraethyl pyrophosphate; (TEPP)	107-49-3	0.01	0.15	1	5	PEL-TWA, LOC, IDLH
2943	Tetraethylammonium chloride	56-34-8	0.25	0.75	6	500	Human iv TDlo, rat LD50
2944	Tetraethylene glycol	112-60-7	125	350	500	500	
2945	Tetraethylene glycol diacrylate	17831-71-9	1	3.5	25	350	WEEL-TWA, rabbit sk TDlo, rat oral LD50
2946	Tetraethylenepentamine	112-57-2	5	50	350	500	WEEL-TWA, rat oral LD50
2947	Tetraethyltin; (Tetraethylstannane)	597-64-8	0.198	0.396	7	49.5	PEL-TWA, TLV-STEL, LOC, IDLH
2948	**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**
2949	Tetrafluoroethane, 1,1,2,2-; (HFC 134)	359-35-3	400	35,000	50,000	1.00E+05	Used HFC 134a PAC
2950	**Tetrafluoroethylene**	**116-14-3**	7.5	**899**	**2,250**	**13,500**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
2951	Tetrafluorohydrazine	10036-47-2	3.5	10	75	400	PEL-TWA, IDLH
2952	Tetrahydro-2,5-dimethyl furan	1003-38-9	15	50	350	500	
2953	**Tetrahydrofuran**	**109-99-9**	150	**295**	**1,470**	**14,700**	TLV-TWA, **ERPG-1, ERPG-2, ERPG-3**

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2954	Tetrahydrofuran-d8	1693-74-9	150	300	1,500	15,000	Used tetrahydrofuran (109-99-9) limits
2955	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
2956	Tetrahydronaphthalene, 1,2,3,4-; (Tetralin)	119-64-2	1.25	3.5	25	100	Human TClo, guinea pig LC50
2957	Tetrahydropyridine, 1,2,3,6-	694-05-3	10	30	50	250	Used PNOS default in ppm
2958	Tetramethoxypropane, 1,1,3,3-; (Malonaldehyde bis(dimethyl acetal))	102-52-3	7.5	25	150	500	Estimated rat oral LD50
2959	**Tetramethoxysilane; (Methyl silicate)**	**681-84-5**	5.66	5.66	**5.66**	**8.71**	PAC-2, PAC-2, **AEGL-2, AEGL-3**
2960	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	0.3	1	6	35	Rat oral LD50
2961	Tetramethyl ethylene diamine	110-18-9	50	150	600	600	
2962	Tetramethyl lead	75-74-1	0.0968	0.581	4	51.6	PEL-TWA, LOC, IDLH
2963	Tetramethyl-1,3-butanediamine, N,N,N',N'-; (Tetramethyl butanediamine)	97-84-7	2	6	40	200	
2964	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	10	30	50	250	Used PNOS default
2965	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	10	30	50	250	Used PNOS default
2966	Tetramethylammonium chloride	75-57-0	0.2	0.6	4	20	Rat oral LD50
2967	Tetramethylammonium hydroxide	75-59-2	0.3	0.75	2	2	Rat skin TDlo, guinea pig skin LD50
2968	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2969	Tetramethylammonium silicate	53116-81-7	10	30	50	250	PNOS default used
2970	Tetramethylbenzene, 1,2,3,5-	527-53-7	0.15	0.5	3.5	500	Rat skin TDlo, rat oral LD50
2971	Tetramethylbenzene, 1,2,4,5-	95-93-2	30	100	500	500	Rat 24 hour TClo, rat LD50
2972	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7	0.5	1.5	10	60	Mouse ip LD50
2973	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	125	200	200	200	Monkey TClo, rat 8 hr LClo minimum
2974	Tetramethylsilane	75-76-3	15	50	75	350	Silane TLV-TWA
2975	**Tetranitromethane**	**509-14-8**	4.17	4.17	**4.17**	**13.6**	PAC-2, PAC-2, **AEGL-2, AEGL-3**
2976	Tetraoxadodecane, 2,5,8,11-	112-49-2	6	20	150	750	Mouse oral TDlo preg
2977	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Laurel alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	10	30	50	250	Used PNOD default
2978	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	2.79	8.38	14	25	As PEL-TWA
2979	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	4	15	75	400	**SAR**
2980	Tetrapropoxysilane	682-01-9	7.5	25	150	500	Rat oral LD50 estimated from HHR = 2
2981	Tetrapropylammonium hydroxide	4499-86-9	0.15	0.5	3.5	15	
2982	Tetrapropylorthotitanate	3087-37-4	10	30	50	250	Used PNOS default
2983	Tetrasodium pyrophosphate	7722-88-5	5	15	25	500	REL-TWA, TEEL-0*3, TEEL-0*5, rat oral LD50
2984	Tetrazole, 1H-	288-94-8	1.5	5	35	150	HHR-based rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
2985	Thallium	7440-28-0	0.15	0.5	3	3	Human oral TDlo, IDLH
2986	Thallium chloride; (Thallium(I) chloride)	7791-12-0	0.117	0.352	2	17.6	PEL-TWA, LOC, IDLH
2987	Thallium hydroxide	12026-06-1	0.108	0.325	0.542	16.2	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
2988	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	0.13	0.391	19.6	19.6	PEL-TWA, TEEL-0*3, human oral TDlo, IDLH
2989	Thallium nitrite	13826-63-6	0.123	0.368	0.613	18.4	PEL-TWA, TEEL-0*3, TEEL-0*5 IDLH
2990	Thallium oxide	1314-12-1	0.104	0.312	0.52	15.6	PEL-TWA, IDLH
2991	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	0.107	0.32	2	16	PEL-TWA, TEEL-0*3, LOC, IDLH
2992	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	0.129	0.387	2.5	19.3	PEL-TWA, TEEL-0*3, mouse oral TDlo, IDLH
2993	Thallium(I) carbonate (2:1)	6533-73-9	0.115	0.344	2	17.2	PEL-TWA, LOC, IDLH
2994	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	0.123	0.37	2	18.5	PEL-TWA, TEEL-0 x 3, LOC, IDLH
2995	Thallium(III) oxide; (Thallium sesquioxide; Thallic oxide)	1314-32-5	0.4	1.25	2	20	PAC-2/5, PAC-2*3/5, LOC, rat oral LD50
2996	Thallium(III) perchlorate hexahydrate	15596-83-5	0.299	1.25	7.5	44.8	PEL-TWA, TEEL-0*3, PAC-3/5, IDLH
2997	Thallous malonate	2757-18-8	0.4	1.25	2	7.5	LOC
2998	Thenoyltrifluoroacetone	326-91-0	1.25	3.5	25	125	
2999	Thioacetamide	62-55-5	6	15	125	125	
3000	Thioacetic acid	507-09-5	0.02	0.06	0.4	30	Rat skin TG lo, mouse ip 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3001	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	0.25	0.75	1.3	1.3	LOC, rat oral LD50
3002	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	20	60	100	100	LOC
3003	Thiocresol, p-; (p-Toluenethiol)	106-45-6	0.75	2.5	15	75	Mouse ip LD50
3004	Thiocyanic acid, compound with guanidine (1:1); (Guanidene thiocyanate salt)	593-84-0	1.25	3.5	25	125	Mouse ip LD50
3005	Thiodiglycol	111-48-8	25	75	500	500	
3006	Thiofanox; (Dacamox)	39196-18-4	1.5	5	8.5	30	LOC
3007	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	0.6	2	3.5	3.5	LOC
3008	**Thionyl chloride**	**7719-09-7**	0.3	**0.97**	**11.7**	**68.1**	PAC-1/3, **ERPG-1, AEGL-2, AEGL-3**
3009	Thiophosphoryl chloride	3982-91-0	1.25	4	25	60	Rat oral TDlo, rat 240 min LC50
3010	Thiosemicarbazide	79-19-6	1.5	5	9.2	9.2	LOC
3011	Thiourea	62-56-6	1.25	4	25	125	
3012	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	0.06	10	75	100	TLV-TWA, IDLH
3013	Thorium	7440-29-1	0.35	1	6	35	Mammal TClo
3014	Thorium hydroxide	13825-36-0	0.75	0.75	2.5	75	**SAR**
3015	Thorium nitrite	z-0079	0.05	0.125	0.75	75	**SAR**
3016	Thorium oxalate	2040-52-0	42.1	126	210	500	T-0 based on DRL for Th

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3017	Thorium oxide; (Thorium dioxide)	1314-20-1	25	75	500	500	Human intra-arterial TDlo, rat it LD50 minimum
3018	Thorium perchlorate	16045-17-3	31.4	94.3	157	500	T-0 based on DRL for Th
3019	Thorium(IV) nitrate	13823-29-5	0.75	2	15	25	Rat sc TDlo, rat ip LD50
3020	Thulium	7440-30-4	10	30	50	250	Used PNOS default
3021	Thulium chloride	13537-18-3	15	50	350	500	Mouse oral LD50
3022	Thulium oxide	12036-44-1	10	30	50	250	Used PNOS default
3023	Thymol blue; (6,6'-(3H-2,1-benzoxathiol-3-ylidene)dithymol, S,S-dioxide)	76-61-9	10	30	50	250	Used PNOS default
3024	Thyodene; (Amylodextrin)	9005-84-9	10	30	50	250	Used PNOS default
3025	Tin	7440-31-5	2	6	100	100	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH
3026	Tin fluoroborate	13814-97-6	4.93	14.8	25	246	PEL-TWA, TLV-TWA*3, TLV-TWA*5, IDLH inorganic compounds, as Sn
3027	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
3028	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
3029	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
3030	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
3031	Tin(II) oxide	1332-29-2	2.54	7.62	12.7	60	TLV-TWA, TLV-TWA*3, TLV-TWA*5, PAC-2*5
3032	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

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3033	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
3034	Tin(IV) oxide; (Stannic oxide)	18282-10-5	2.54	7.62	12.7	500	TLV-TWA, TLV-TWA*3, TLV-TWA*5, rat oral LD50 minimum
3035	Titanium	7440-32-6	0.6	2	12.5	60	Rat oral TDlo
3036	Titanium aluminide	39410-63-4	2.77	8.32	13.9	60	Insoluble aluminum compound limits
3037	Titanium boride	12045-63-5	6.43	19.3	32.1	150	Boron TLV-TWA, TLV-STEL
3038	Titanium carbide	12070-08-5	10	30	50	250	Used PNOS default
3039	Titanium chloride	7705-07-9	0.5	1.5	10	50	
3040	Titanium hydride	7704-98-5	1.5	5	35	150	
3041	Titanium oxide; (Titanium dioxide)	13463-67-7	15	30	50	500	PEL-TWA, IDLH
3042	**Titanium tetrachloride**	**7550-45-0**	0.5	**5**	**7.75**	**44.2**	WEEL-TWA, **ERPG-1**, **AEGL-2, AEGL-3**
3043	Titanium(II) oxide	12137-20-1	10	30	50	250	Used PNOS default
3044	Titanium(III) fluoride	13470-08-1	4.6	12.5	75	460	Fluoride concentration limits
3045	Titanium-based alloy; (Titanium compounds)	z-0081	10	30	50	250	Used PNOS default
3046	**Toluene**	**108-88-3**	75	**753**	**4,520**	**16,900**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
3047	Toluene diisocyanate (mixed isomers)	26471-62-5	1.5	5	12.5	12.5	
3048	Toluene diisocyanate, trimethylolpropane, epsilon-caprolactone polymer, methylated	71342-93-3	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3049	**Toluene-2,4-diisocyanate; (TDI)**	**584-84-9**	0.035	**0.142**	**0.591**	**3.63**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
3050	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	1.5	4	30	150	
3051	**Toluene-2,6-diisocyanate**	**91-08-7**	0.035	**0.142**	**0.591**	**3.63**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
3052	Toluene-d8; (Deuterated toluene)	2037-26-5	75	750	5,000	15,000	Used Toluene (108-88-3) PAC
3053	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	0.025	7.5	60	250	WEEL-TWA, PAC-2/7, rat oral TDlo, rat oral LD50
3054	Toluenesulfonamide, p-; (Pasam)	70-55-3	1	3	20	100	Mouse ip LD50
3055	Toluenesulfonic acid, methyl ester, p-	80-48-8	0.75	2.5	15	150	Rat oral TDlo and LD50
3056	Toluenesulfonyl chloride, p-	98-59-9	2.5	7.5	50	250	TEEL-2/21, TEEL-2/7, WEEL-C, rat oral TDlo
3057	Toluenesulphonic acid monohydrate, para-; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	10	30	200	500	
3058	Toluenethiol, m-	108-40-7	0.2	0.6	4	20	
3059	Toluidine, m-; (3-Methylaniline)	108-44-1	7.5	35	200	200	TLV-TWA, rat oral TDlo, rat oral LD50
3060	Toluidine, o-	95-53-4	20	20	20	200	TLV-TWA, human TClo, IDLH
3061	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	2	15	125	150	TLV-TWA, rat oral TDlo, rat oral LD50
3062	Toxaphene; (Chlorinated camphene)	8001-35-2	0.5	1	20	200	PEL-TWA, TLV-STEL, LOC, IDLH
3063	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	0.2	0.6	4.4	40	
3064	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6	5	15	100	500	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3065	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
3066	Triacetin; (Triacetyl glycerin)	102-76-1	12.5	35	250	500	
3067	Triamiphos	1031-47-6	2	6	10	10	LOC
3068	Triaryl sulfonium chloride salts	109037-76-5	1.25	4	25	125	
3069	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	3	10	60	350	
3070	Triazofos; (Triazophos)	24017-47-8	0.5	1.5	2.8	125	
3071	Tribenzylamine	620-40-6	10	30	50	250	Used PNOS default
3072	Tributyl citrate	77-94-1	15	50	350	1,250	Mouse ip LD50 and TDlo
3073	Tributyl phosphate	126-73-8	5	25	150	300	PEL-TWA, rat oral TDlo, IDLH
3074	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6	0.75	2	15	75	
3075	Tributyl-1-butanaminium iodide, N,N,N-; (Tetrabutylammonium iodide)	311-28-4	7.5	25	150	500	Rat oral D50
3076	Tributylphosphine	998-40-3	3	7.5	60	300	Rat oral LD50
3077	Tributyltetradecylphosphonium chloride	81741-28-8	10	30	50	250	Used PNOS default
3078	Trichloramine; (Nitrogen chloride)	10025-85-1	0.6	1.5	12.5	100	
3079	**Trichloro(dichlorophenyl) silane; (Dichlorophenyltrichlorosilane)**	**27137-85-5**	2	**6.88**	**83.7**	**378**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
3080	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	250	500	500	500	

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3081	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	7.5	25	125	125	
3082	Trichloroacetaldehyde; (Chloral)	75-87-6	2.5	7.5	50	250	
3083	Trichloroacetic acid	76-03-9	6	6	15	150	TLV-TWA
3084	Trichloroacetyl chloride	76-02-8	0.2	0.6	4.5	50	LOC, rat 240 min LC50
3085	Trichlorobenzene, 1,2,3-	87-61-6	5	15	25	500	MAK-TWA
3086	Trichlorobenzene, 1,2,4-	120-82-1	1.5	5	35	300	TLV-C
3087	**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**
3088	Trichloroethane, 1,1,2-	79-00-5	50	50	75	500	PEL-TWA, IDLH
3089	Trichloroethanol, 2,2,2-	115-20-8	12.5	35	250	250	Rat oral TDlo, rat oral LD50
3090	**Trichloroethylene**	**79-01-6**	50	**698**	**2,420**	**20,400**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
3091	**Trichloroethylsilane; (Ethyl trichlorosilane)**	**115-21-9**	1.25	**4.01**	**48.8**	**221**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
3092	Trichlorofluoromethane; (Fluorotrichloromethane; Freon 11)	75-69-4	5,000	5,000	7,500	10,000	PEL-TWA, TEEL-0, EEGL, IDLH
3093	Trichlorohydroxyethyl dimethylphosphonate; ((2,2,2-Trichloro-1-hydroxyethyl)dimethylphosphonate; Trichlorphon)	52-68-6	1	3	13	500	TLV-TWA, LOC, rat 240 min LC50
3094	Trichloroisocyanuric acid	87-90-1	30	75	500	500	Human oral LDlo
3095	Trichloronaphthalene	1321-65-9	5	15	25	50	PEL-TWA, TEEL-0*3, TEEL-0*5, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3096	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	2	6	10	300	LOC
3097	Trichlorophenol, 2,3,6-	933-75-5	1.25	4	25	125	
3098	Trichlorophenol, 2,4,5-	95-95-4	20	60	350	350	
3099	Trichlorophenol, 2,4,6-	88-06-2	35	100	350	350	
3100	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (Silvex)	93-72-1	10	35	200	250	
3101	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	10	30	50	250	PEL-TWA, IDLH
3102	**Trichlorophenylsilane**	**98-13-5**	1.5	**5.19**	**63.1**	**285**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
3103	Trichloropropane, 1,2,3-	96-18-4	60	150	300	600	TLV-TWA, IDLH
3104	**Trichlorosilane**	**10025-78-2**	1	**3.32**	**40.4**	**183**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
3105	Trichlorotrifluoroethane; (Freon 113; CFC113)	76-13-1	7,500	10,000	10,000	15,000	PEL-TWA, TLV-STEL, EEGL 60M, IDLH
3106	Tridecane	629-50-5	0.125	0.35	2.5	50	Rabbit skin TDlo, rat 480 min LC50 minimum
3107	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	7.5	25	150	500	Rat oral LD50 based on HHR
3108	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	5	5	20	500	TLV-TWA
3109	**Triethoxysilane**	**998-30-1**	0.35	**3.36**	**26.9**	**67.2**	WEEL-TWA, **ERPG-1, ERPG-2, ERPG-3**
3110	Triethoxyvinylsilane	78-08-0	125	400	2,500	12,500	Rat 240 min LClo
3111	Triethyl phosphate; (TEP)	78-40-0	75	200	500	500	Rat TClo, rat LClo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3112	Triethyl phosphite	122-52-1	12.5	40	300	1,500	
3113	Triethylaluminum	97-93-8	8.46	8.46	50	250	Aluminum alkyls (as Al) REL-TWA, rat 15 min LC50
3114	Triethylamine	121-44-8	4	12.5	12.5	750	TLV-TWA, TLV-STEL, IDLH
3115	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9	10	30	50	250	Used PNOS default
3116	Triethylbenzene (mixed isomers)	25340-18-5	40	125	750	4,000	
3117	Triethylene glycol	112-27-6	300	500	500	500	
3118	Triethylene glycol monomethyl ether	112-35-6	40	125	500	500	
3119	Triethylenetetramine	112-24-3	6	50	350	1,000	WEEL-TWA, TEEL-2/7, pregnant rat oral TDlo, rat oral LD50
3120	Triethylethanaminium hydroxide, N,N,N-; (Tetraethyl ammonium hydroxide)	77-98-5	0.35	1	7.5	35	Mouse subcutaneous LDlo
3121	Triethyloxonium tetrafluoroborate	368-39-8	6.25	18.8	31.3	500	Fluoride concentration limits
3122	Triethylphosphorothioate; (Tepto)	126-68-1	1.25	4	25	125	Rat 240 min LC50
3123	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4-, boron difluoride	22502-27-8	0.75	2.5	15	75	Mouse iv LD50
3124	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
3125	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4	2.5	7.5	50	250	Mouse oral LD50
3126	Trifluoroacetic acid anhydride	407-25-0	4.61	13.8	23	461	Concentration limits, as F
3127	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	50	75	75	75	

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Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3128	Trifluoroacetyl chloride	354-32-5	6	35	250	1,250	Concentration limits, as F
3129	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	1.25	35	250	250	WEEL-TWA, rat TClo, rat LC50
3130	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	0.6	1.5	12.5	60	Rat 240 min LC50 based on HR =3
3131	Trifluoromethanesulfonic anhydride	358-23-6	1.5	5	35	150	Rat oral LD50 based on HHR = 3
3132	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	15,000	35,000	35,000	35,000	Rat 2 week TClo, rat 4 hour LClo
3133	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	0.75	2.5	4.4	150	LOC
3134	Trifluralin; (2,6-Dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine)	1582-09-8	0.025	0.075	0.6	300	
3135	Triisobutylaluminum	100-99-2	14.7	100	500	500	REL-TWA
3136	Trimethoxy(3,3,3-trifluoropropyl)silane	429-60-7	9.57	28.7	50	500	Fluoride concentration limits
3137	Trimethoxyboroxine	102-24-9	20	60	400	500	
3138	**Trimethoxysilane**	**2487-90-3**	0.25	**2.5**	**4.15**	**12.5**	WEEL-TWA, **ERPG-1**, **AEGL-2, AEGL-3**
3139	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	10	30	50	250	Used PNOS default
3140	Trimethoxysilyl-1-propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	3	7.5	60	300	Rat oral LD50
3141	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	6	15	125	500	Rat TClo, rat oral LD50
3142	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	30	75	500	500	Rat oral LD50
3143	Trimethoxyvinylsilane; (Vinyltrimethoxysilane; Silane, trimethoxyvinyl)	2768-02-7	750	2,500	7,500	7,500	PAC-2/21, PAC-2/7, rat TClo, rat LC50

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	Trimethyl borate	121-43-7	25	75	500	2,500	Rat oral LD50
3145	Trimethyl phosphate; (TMP)	512-56-1	25	75	350	350	
3146	Trimethyl phosphite	121-45-9	10	350	2,500	4,000	
3147	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4	25	75	500	500	
3148	Trimethyl-1-pentene, 2,4,4-; (Diisobutylene)	107-39-1	350	1,000	1,500	7,500	WEEL-TWA
3149	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	10	30	50	250	Used PNOS default
3150	Trimethyl-2-hexene, 4,4,5-	55702-61-9	10	30	50	250	Used PNOS default
3151	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, epsilon-lactone)	64047-30-9	30	75	500	500	Rat oral LD50
3152	Trimethylacetic acid; (Pivalic acid)	75-98-9	3.5	10	75	400	Rat oral LD50
3153	Trimethylacetyl chloride; (Pivaloyl chloride)	3282-30-2	0.5	1.5	10	50	Rat 240 min LC50 assumed from HR=3
3154	Trimethylaluminum	75-24-1	5.34	16	26.7	125	REL-TWA
3155	**Trimethylamine**	**75-50-3**	12.5	**19.3**	**290**	**918**	TLV-TWA, **AEGL-1, AEGL-2, AEGL-3**
3156	Trimethylaniline, 2,4,6-	88-05-1	0.125	0.4	2.9	40	LOC
3157	**Trimethylbenzene, 1,2,3-**	**526-73-8**	125	**688**	**1,770**	7,500	TLV-TWA, **AEGL-1, AEGL-2**, rat oral LDlo
3158	**Trimethylbenzene, 1,2,4-; (Pseudocumene)**	**95-63-6**	125	**688**	**1,770**	7,500	TLV-TWA, **AEGL-1, AEGL-2**, rat 240 min LC50
3159	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (alpha-Pinene)	80-56-8	0.00015	0.0005	0.0035	0.015	Rat LClo

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3160	**Trimethylchlorosilane**	**75-77-4**	2.5	**7.99**	**142**	**577**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
3161	Trimethyldecane, 2,2,8-	62238-01-1	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3162	Trimethyldecane, 2,5,6-	62108-23-0	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3163	Trimethyldecane, 3,3,4-	62338-09-4	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3164	Trimethylene oxide; (Oxetane)	503-30-0	0.1	0.3	2	75	Rat sc TDlo and LD50
3165	Trimethylgallium	1445-79-0	1.5	5	35	150	Rat oral LD50 based on HHR
3166	Trimethylhexane, 2,2,5-	3522-94-9	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3167	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
3168	Trimethyloctane	98060-52-7	350	350	1,500	6,000	REL-TWA, REL-C for alkanes,
3169	Trimethyloctane, 2,2,6-	62016-28-8	350	350	1,500	7,500	REL-TWA, REL-C for alkanes,
3170	Trimethyloctane, 2,3,7-	62016-34-6	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3171	Trimethyloctane, 2,4,6-	62016-37-9	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3172	Trimethyloctane, 2,6,6-	54166-32-4	350	350	1,500	7,500	REL-TWA, REL-C for alkanes
3173	Trimethylolpropane ethoxylate	50586-59-9	10	30	50	250	Used PNOS default
3174	Trimethylolpropane phosphite	824-11-3	0.125	0.35	2.5	6	LOC
3175	Trimethylphosphine	594-09-2	0.3	1	6	35	Rat 240 min LC50 based on HHR = 3

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3176	Trimethylpyridine, 2,4,6-	108-75-8	7.5	25	150	750	
3177	Trimethylsilanol	1066-40-6	0.15	1.5	7.5	15	**SAR**
3178	Trimethylsilylmethyllithium	1822-00-0	1.5	5	35	150	Estimated rat oral LD50 based on HHR
3179	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	0.168	0.336	20	42	PEL-TWA, LOC
3180	Trimethyltriheptylamine, 6,6',6"-; (Triisooctylamine)	2757-28-0	6	15	125	500	
3181	Tri-n-butylamine	102-82-9	0.15	0.5	3.5	60	Rat oral TDlo, rat 240 min LClo
3182	Trinitrobenzene, 1,3,5-	99-35-4	1	3.5	25	125	
3183	Trinitrochlorobenzene; (Picryl chloride)	28260-61-9	10	30	50	250	
3184	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	1.5	7.5	50	500	PEL-TWA, IDLH
3185	Trinitrotoluene, 2,4,6-	118-96-7	0.1	1.25	7.5	500	TLV-TWA, IDLH
3186	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	10	30	50	250	Used PNOS default
3187	Trioctylamine; (N,N-Dioctyl-1-octanamine)	1116-76-3	4	12.5	75	400	
3188	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	0.5	1.5	10	50	Mouse 10 minute LC50 minimum
3189	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	1.5	4	7.5	600	PEL-TWA, IDLH
3190	Tripentaerythritol	78-24-0	10	30	50	250	Used PNOS default
3191	Triphenyl phosphate	115-86-6	3	9	500	500	PEL-TWA, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3192	Triphenyl phosphite	101-02-0	7.5	25	150	200	
3193	Triphenylborane	960-71-4	7.5	25	150	500	Rat oral LD50 based on HHR
3194	Triphenylethoxysilane	1516-80-9	10	30	50	250	Used PNOS default
3195	Triphenylolmethane triglycidyl ether	66072-38-6	10	30	50	250	Used PNOS default
3196	Triphenylphosphine	603-35-0	1.5	5	40	500	
3197	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	0.325	0.65	20	81.2	PEL-TWA, TLV-STEL, IDLH
3198	Tripotassium (2-hydroxyethyl)ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	5	15	125	600	**SAR**
3199	Tripotassium arsenate	13464-36-3	0.0342	0.103	0.171	17.1	PEL-TWA, IDLH
3200	Tripropyl phosphate; (TPP)	513-08-6	6	15	125	500	TEEL-3/105, TEEL-3/35, TEEL-3/5, estimated rat oral LD 50
3201	Tripropylamine	102-69-2	20	60	400	2,000	Rat 240 min LC50
3202	Tripropylene glycol methyl ether	25498-49-1	12.5	40	250	500	Rat oral LD50
3203	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	
3204	Tripropylene glycol; (((1-Methyl-1,2-ethanediyl)bis(oxy))bispropanol)	24800-44-0	12.5	35	250	1,250	Rat oral LD50
3205	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	7.5	25	150	500	Rat oral LD50 based on MSDS HHR = 2
3206	Tris((hydroxymethyl)methylamino)propane-1-sulphonic acid, 3-	29915-38-6	10	30	50	250	Used PNOS default

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3207	Tris(2-aminoethyl)amine	4097-89-6	2	6	40	100	Rat oral TDlo, rat oral LD50
3208	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	7.5	20	150	500	
3209	**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**
3210	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	5	15	100	500	
3211	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	25	75	500	500	
3212	Trisodium arsenate	13464-38-5	0.0277	0.0832	0.139	13.9	PEL-TWA, IDLH
3213	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, IDLH
3214	Trisodium citrate	68-04-2	6	20	125	600	
3215	Trisodium N-hydroxyethylethylenediaminetriacetate; (Trisodium N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	4	12.5	75	400	SAR
3216	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	15	40	300	500	
3217	Trypan blue	72-57-1	0.025	0.075	0.5	500	
3218	Trypsin; (Parenzyme; Chymotrypsin inhibitor)	9002-07-7	0.025	0.075	0.6	30	Mouse intramuscular TDlo, rat iv LD40
3219	Trypsinogen	9002-08-8	7.5	25	150	500	Rat oral LD50 based on HHR = 2
3220	Tungsten	7440-33-7	5	10	10	500	TLV-TWA, TLV-STEL
3221	Tungsten boride	12007-09-9	5.29	10.6	26.5	125	TLV-TWA, TLV-STEL

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3222	Tungsten carbide	12070-12-1	5.33	10.7	26.6	125	TLV-TWA, TLV-STEL
3223	Tungsten hexafluoride	7783-82-6	1.62	4.86	8.1	40	TLV-TWA, TLV-STEL
3224	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	6.31	12.6	400	400	TLV-TWA, TLV-STEL
3225	Tungsten(IV) chloride; (Tungsten tetrachloride)	13470-13-8	1.77	5.31	8.86	40	TLV-TWA, TLV-STEL
3226	Tungsten(IV) oxide	12036-22-5	5.87	11.7	30	150	TLV-TWA, TLV-STEL
3227	Tungstic acid	7783-03-1	6.8	13.6	35	150	TLV-TWA, TLV-STEL
3228	Tungstosilicic acid	11130-20-4	6.52	13	32.6	150	TLV-TWA, TLV-STEL
3229	Turpentine	8006-64-2	100	100	100	4,000	TLV-TWA, TEEL-0, human TClo, IDLH
3230	Undecane	1120-21-4	2	6	40	200	Rat oral LD50
3231	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	1.25	4	30	2,000	
3232	Uranine; (Fluorescein sodium)	518-47-8	12.5	40	250	500	
3233	Uranium	7440-61-1	0.25	0.6	2	10	PEL-TWA, TLV-STEL, IDLH
3234	**Uranium hexafluoride; (Uranium fluoride)**	**7783-81-5**	0.0739	**3.6**	**9.6**	**36**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
3235	Uranium hydride; (Uranium(III) hydride)	13598-56-6	0.253	0.608	2	10.1	PEL-TWA, TLV-STEL, IDLH
3236	**Uranium oxide; (Triuranium octaoxide)**	**1344-59-8**	0.295	0.707	**10**	**50**	PEL-TWA, TLV-STEL, **ERPG-2, ERPG-3**
3237	Uranium telluride	12138-37-3	0.518	1.24	4	20.7	PEL-TWA, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3238	Uranium telluride A	12138-37-3a	0.429	1.03	3.5	17.1	PEL-TWA, TLV-STEL, IDLH
3239	**Uranium trioxide**	**1344-58-7**	0.3	0.5	**0.5**	**3**	PEL-TWA, PAC-2, **ERPG-2, ERPG-3**
3240	**Uranium(IV) oxide; (Uranium dioxide)**	**1344-57-6**	0.284	0.681	**10**	**30**	PEL-TWA, TLV-STEL, **ERPG-2, ERPG-3**
3241	Uranium: insoluble compounds	z-0083	0.25	0.6	2	10	PEL-TWA, TLV-STEL, IDLH
3242	Uranium: soluble compounds	z-0084	0.05	0.6	2	10	PEL-TWA, TLV-STEL, IDLH
3243	Uranyl acetate; (Uranium oxyacetate)	541-09-3	0.0815	0.978	3	16.3	PEL-TWA, TLV-STEL, IDLH
3244	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	0.0647	0.776	2.5	12.9	PEL-TWA, TLV-STEL, IDLH
3245	Uranyl hydroxide	13470-18-3a	0.0639	0.766	2.5	12.8	PEL-TWA, TLV-STEL, IDLH
3246	Uranyl hydroxide (liquids)	13470-18-3b	0.0639	0.766	2.5	12.8	PEL-TWA, TLV-STEL, IDLH
3247	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	0.0828	0.993	3	16.6	PEL-TWA, TLV-STEL, IDLH
3248	Uranyl nitrate (yellow salt)	36478-76-9	0.0828	0.993	0.993	16.6	PEL-TWA, TLV-STEL, IDLH
3249	Uranyl nitrate hexahydrate	13520-83-7	0.105	1.27	1.27	21.1	PEL-TWA, TLV-STEL, IDLH
3250	Uranyl nitrite (liquids)	z-0087	0.076	0.913	3	15.2	PEL-TWA, TLV-STEL, IDLH
3251	Urea	57-13-6	10	10	15	500	WEEL-TWA, women implant TDlo, rat oral LD50
3252	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	1.5	5	35	150	Rat oral LD50 estimated from HHR = 3
3253	Urea), N,N''-(4-methyl-1,3-phenylene)bis(N',N'-dimethyl-	17526-94-2	1.5	5	35	150	Estimated rat 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3254	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	500	500	500	500	
3255	Valeric acid	109-52-4	30	75	500	500	Rat oral preg, 10 day TDlo, mouse oral LD50
3256	Valinomycin	2001-95-8	0.5	1.5	2.5	2.5	LOC
3257	Vanadium	7440-62-2	0.05	0.075	0.5	35	TLV-TWA, PEL-C, IDLH
3258	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	0.05	1	7	35	TLV-TWA, TEEL-2/7, LOC, IDLH
3259	Vanadium sulfate	16785-81-2	0.2	0.6	4.46	312	REL-C, IDLH
3260	Vanadium tetrachloride	7632-51-1	0.0075	0.025	0.189	132	REL-C, IDLH
3261	Vanadium trioxide	1314-34-7	0.35	1	7.36	51.5	REL-C, IDLH
3262	Vanadium(II) sulfate heptahydrate	36907-42-3	0.0125	0.04	0.268	188	REL-C, IDLH
3263	Vanadium(III) sulfate	13701-70-7	0.0075	0.025	0.191	134	REL-C, IDLH
3264	Vanadium, trichlorooxo	7727-18-6	0.06	0.15	1.25	750	REL-C, IDLH
3265	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	0.1	0.35	2.48	174	REL-C, IDLH
3266	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	0.075	0.2	1.6	112	REL-C, IDLH
3267	Vanilin	121-33-5	10	30	125	500	WEEL-TWA, TEEL-0*5, rat TClo, rat LD50
3268	Vegetable oil	68956-68-3	15	45	75	500	PEL-TWA
3269	Veratraldehyde	120-14-9	7.5	25	150	500	Rat oral LD50

Table 4: Protective Action Criteria (PAC) Rev 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3270	Vermiculite, exfoliated	1318-00-9	5	5	5	25	Al insoluble compound
3271	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1	0.15	0.4	3	15	Mouse 10 min LClo for allyl 2-chloroethylsulfide
3272	**Vinyl acetate**	**108-05-4**	23.6	**23.6**	**633**	**2,150**	PAC-1, **AEGL-1, AEGL-2, AEGL-3**
3273	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	35	100	500	500	
3274	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0	10	30	50	250	Used PNOS default
3275	Vinyl bromide	593-60-2	2	6	150	200	TLV-TWA
3276	**Vinyl chloride**	**75-01-4**	2.5	**639**	**3,070**	**12,300**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
3277	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	50	150	1,000	5,000	
3278	Vinyl fluoride	75-02-5	1.5	10	75	1.50E+05	TLV-TWA, REL-C, rat 240 min LC50
3279	Vinyl sulfoxide	1115-15-7	0.75	2.5	15	75	TEEL-3/105, TEEL-3/35, TEEL-3/5, rat oral LDlo
3280	Vinyl terminated dimethylsiloxane-diphenylsiloxane copolymer	68951-96-2	75	250	500	500	Rat oral LD50 based on HHR
3281	**Vinyl trichlorosilane**	**75-94-5**	1.25	**3.96**	**48.2**	**218**	PAC-1/3, **AEGL-1, AEGL-2, AEGL-3**
3282	Vinyl-2-pyrrolidinone, 1-	88-12-0	0.2	25	150	350	TLV-TWA, rat TClo, rat 240 min LC50
3283	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	1.5	5	35	150	Rat oral LD50 based on HHR = 3
3284	Vinylcyclohexene, 4-; (Cyclohexenylethylene)	100-40-3	0.4	1.25	15,000	15,000	TLV-TWA, TEEL-0*3, rat TClo, rat 240 min LClo
3285	Vinylformamide, N-	13162-05-5	5	15	100	500	Rat 249 min LC50 minimum

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3286	**Vinylidene chloride; (1,1-Dichloroethylene)**	**75-35-4**	20	250	**1,980**	**3,960**	TLV-TWA, PAC-2/7, **ERPG-2, ERPG-3**
3287	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	1,250	4,000	6,000	1.50E+05	TLV-TWA,
3288	Vinylmagnesium bromide	1826-67-1	1.5	5	35	150	Estimated rat oral LD50 based on HHR
3289	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	100	250	250	250	Rat oral TDlo, rat oral LD50 minimum
3290	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)	64742-52-5	15	40	300	500	Mouse skin 22 week TDlo, rat oral LD50 minimum
3291	Warfarin	81-81-2	0.1	0.3	20	100	PEL-TWA, TEEL-0*3, LOC, IDLH
3292	Warfarin sodium	129-06-6	1.5	5	9	9	LOC
3293	Xenon	7440-63-3	3.50E+05	3.50E+05	1.25E+06	2.00E+06	Simple asphyxiant
3294	Xylene, m-	108-38-3	400	600	750	4,000	PEL-TWA, TLV-STEL, EEGL-60M, IDLH
3295	Xylene, o-	95-47-6	400	600	750	4,000	PEL-TWA, TLV-STEL, EEGL-60M, IDLH
3296	Xylene, p-	106-42-3	400	600	750	4,000	PEL-TWA, TLV-STEL, EEGL-60M, IDLH
3297	**Xylenes**	**1330-20-7**	400	**564**	**3,990**	**10,800**	PEL-TWA, **AEGL-1, AEGL-2, AEGL-3**
3298	Xylenol orange tetrasodium salt	3618-43-7	10	30	50	250	Used PNOS default
3299	Xylidine	1300-73-8	2.5	7.5	12.5	250	TLV-TWA, IDLH
3300	Xylidine, 2,6-	87-62-7	6	20	125	350	
3301	Xylidine, o-; (2,3-Xylidine)	87-59-2	4	10	75	400	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3302	Xylylene dichloride	28347-13-9	0.4	1.25	2	75	LOC, rat 240 min LC50
3303	Yeast extract	8013-01-2	15	50	400	500	
3304	Ytterbium fluoride	13760-80-0	10.1	10.1	10.1	500	Fluoride TLV-TWA, T-0, rat oral TDlo, IDLH
3305	Ytterbium oxide	1314-37-0	10	30	50	250	Used PNOS default
3306	Yttrium	7440-65-5	1	3	5	500	PEL-TWA, TEEL-0*3, TEEL-0*5, IDLH
3307	Yttrium chloride, hexahydrate	10025-94-2	3.41	10.2	500	500	PEL-TWA, TEEL-0*3, rat oral TDlo, IDLH
3308	Yttrium oxide	11130-29-3	1.18	3.54	150	500	PEL-TWA, TEEL-0*3, rat TClo, IDLH
3309	Yttrium trioxide	1314-36-9	1.27	3.81	40	500	PEL-TWA, TEEL-0*3, rat TClo, IDLH
3310	Zeolites, CaA	68989-20-8	7.5	25	150	500	Estimated rat oral LD50 from HHR
3311	Zeolites, KA	68989-21-9	10	30	50	250	Used PNOS default
3312	Zeolites, NaA	68989-22-0	6	15	125	500	PAC-2/21, PAC-2/7, rat TClo, PAC-2 * 5
3313	Zeolites, NaX	68989-23-1	10	30	50	250	Used PNOS default
3314	Zinc	7440-66-6	2	6	40	500	
3315	Zinc acetate	557-34-6	0.3	0.75	6	500	
3316	Zinc acetate dihydrate	5970-45-6	25	75	350	350	
3317	Zinc bromide	7699-45-8	2	6	40	200	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3318	Zinc carbonate	3486-35-9	5	15	100	500	
3319	Zinc carbonate hydroxide	5263-02-5	10	30	50	250	Used PNOS default
3320	Zinc chloride	7646-85-7	1	2	50	50	PEL-TWA, TLV-STEL, human TClo, IDLH
3321	Zinc cyanide	557-21-1	22.6	22.6	22.6	113	As CN, PEL-TWA, IDLH
3322	Zinc fluoride	7783-49-5	6.8	20	125	500	Fluoride PEL-TWA, IDLH
3323	Zinc hydroxide	20427-58-1	0.6	0.6	1.5	60	**SAR**
3324	Zinc nitrate	7779-88-6	6	15	125	500	T-3/105, T-3/35, T-3/5, female rat oral LD50
3325	Zinc nitrate hexahydrate	10196-18-6	5	15	100	500	
3326	Zinc nitrite	10102-02-0	0.035	0.075	0.6	60	**SAR**
3327	Zinc oxide	1314-13-2	2	10	15	500	TLV-TWA, TLV-STEL, REL-C, IDLH
3328	Zinc perchlorate	13637-61-1	10	30	50	250	Used PNOS default
3329	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	0.6	2	15	500	
3330	Zinc phosphate (3:2)	7779-90-0	2	6	50	250	
3331	**Zinc phosphide**	**1314-84-7**	0.5	1.5	**10.5**	**19**	PAC-2/21, PAC-2/7, **AEGL-2, AEGL-3**
3332	Zinc stearate	557-05-1	15	30	50	150	
3333	Zinc sulfate	7733-02-0	0.15	0.5	3.5	500	

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3334	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	100	200	200	200	Rat oral TDlo, human uk LDlo
3335	Zirconium	7440-67-7	5	10	10	50	TLV-TWA, TLV-STEL, TLV-STEL, IDLH
3336	Zirconium boride	12045-64-6	6.19	12.4	61.9	61.9	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3337	Zirconium carbide	12070-14-3	6.32	12.6	12.6	63.2	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3338	Zirconium chloride	10026-11-6	12.8	25.5	25.5	128	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3339	Zirconium chloride oxide octahydrate	13520-92-8	17.7	35.3	35.3	177	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3340	Zirconium fluoride	7783-64-4	22	66	110	500	PEL-TWA, IDLH
3341	Zirconium hydride	7704-99-6	5.11	10.2	51.1	51.1	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3342	Zirconium hydroxide	14475-63-9	8.73	17.5	17.5	87.3	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3343	Zirconium nitrate	13746-89-9	18.6	37.2	37.2	186	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3344	Zirconium nitride	25658-42-8	5.77	11.5	11.5	57.7	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3345	Zirconium nitrite	z-0088	7.52	15	15	75.2	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3346	Zirconium oxide	1314-23-4	6.75	13.5	13.5	67.5	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3347	Zirconium oxynitrate hydrate	14985-18-3	13.7	27.4	27.4	137	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3348	Zirconium phosphide	12037-80-8	8.4	16.8	16.8	84	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3349	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	37.3	112	186	500	PEL-TWA, 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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3350	Zirconium silane	z-0089	8.08	16.2	16.2	80.8	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3351	Zirconium silicate; (Zirconium silicon oxide; Zircon))	10101-52-7	10.3	20.5	51.3	103	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3352	Zirconium sulfate tetrahydrate	7446-31-3	19.5	39	39	195	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3353	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	9.76	19.5	97.6	97.6	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3354	Zirconyl nitrate; (Bis(nitrato-O)oxozirconium)	13826-66-9	12.7	25.3	25.3	127	PEL-TWA, TLV-STEL, TLV-STEL, IDLH
3355	Zonyl fsn fluorosurfactant	65545-80-4	60	150	500	500	Rat oral LD50
3356	zzAcrylic latex	z-0090	10	30	50	250	Used PNOS default
3357	zzAlumination 301	z-0091	10	30	50	250	Used PNOS default
3358	zzHydranal coulomat / AG	z-0092	10	30	50	250	Used PNOS default
3359	zzHydrocarbon polymer	z-0093	10	30	50	250	Used PNOS default
3360	zzHydrocount(R), LSC cocktail	z-0094	10	30	50	250	Used PNOS default
3361	zzIconol(R)	z-0095	10	30	50	250	Used PNOS default
3362	zzMachine coolant 1	z-0096	10	30	50	250	Used PNOS default
3363	zzMonophase- S	z-0097	10	30	50	250	Used PNOS default
3364	zzMornar	z-0098	10	30	50	250	Used PNOS default
3365	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphophate)	z-0099	7.5	25	37.5	250	MSDS data for mixture

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 25 (mg/m^3)
Based on applicable AEGLs, ERPGs, or TEELs (Chemicals listed in alphabetical order)

No.	Chemical Name	CASRN	PACs 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	
3366	zzPaint solvent; (Ligroine)	z-0100	350	350	500	500	REL-TWA, TEEL-0, REL-C, TEEL-2
3367	zzPropanol (-2) aluminum derivative	z-0101	2	6	10	50	Used PNOS default
3368	zzScintillation cocktail, Ultima Gold XR	z-0102	0.15	0.5	3	15	MSDS data for mixture
3369	zzSicapent	z-0103	10	30	50	250	Used PNOS default
3370	zzSynthetic resins	z-0104	10	30	50	250	Used PNOS default
3371	zzTotal sequestrant reagent #5	z-0105	35	40	100	500	MSDS data for mixture
3372	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106	0.04	0.125	0.75	7.5	Norepinephrine toxicity used
3373	zzWaste oil	z-0107	10	30	50	250	Used PNOS default

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