Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

PAC Rev 23 – August 2007

Table 1 presents an alphabetical listing of the chemicals in the PAC data set and provides Chemical Abstracts Service Registry Numbers (CAS RNs)[1] and physical constants for the listed chemicals. Information presented in this Table is derived from various sources including:

- SAX. A recent reference for the SAX is: Lewis, R.J., Sr., *Sax's Dangerous Properties of Industrial Materials*, 11th Edition, John Wiley & Sons, New York, 2005.
- Hazardous Substances Data Bank (HSDB). The HSDB is a "comprehensive, peer-reviewed toxicology data for about 5,000 chemicals" and the current version is accessible at: http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB.
- The Handbook of Chemistry and Physics. Information on the current edition of the handbook (David R. Lide, ed., *CRC Handbook of Chemistry and Physics*, Internet Version 2007, [87th Edition], Taylor and Francis, Boca Raton, FL, 2007) can be found at: http:/www.hbcpnetbase.com.

Sometimes data on chemical properties varies among information sources and the table's authors have to choose which value to present. Because the table's authors are not deriving physical constants but are simply reporting key values obtained from published sources, they do not make any claims about the accuracy of these values. Users of the table are advised to consult the referenced sources for additional information.

PAC-related information on the chemicals presented in Table 1 is provided in PAC Tables 2, 3, and 4.

Table 1, other PAC Tables, introductory material, definitions, and alternative methods of displaying PAC information are available electronically at:
http://www.hss.energy.gov/HealthSafety/WSHP/chem_safety/teel.html

Additional technical information on PACs and Temporary Emergency Exposure Levels (TEELs), contact information, and links to other sources of information is accessible on the Subcommittee for Consequence Assessment and Protective Action (SCAPA) webpages at:
http://orise.orau.gov/emi/scapa/teels.htm.

The columns presented in Table 1 provide the following information:

Page in Table	Heading	Definition
Odd/Even	No.	The ordered numbering of the chemicals as they appear in this alphabetical listing.
Odd/Even	Chemical Compound	The common name of the chemical compound.
Odd/Even	CAS Registry Number (CAS RN)	The Chemical Abstracts Services Registry Number for this chemical.

[1] Visit http://info.cas.org/ for information on the Chemical Abstracts Service and CAS RNs.

Page in Table	Heading	Definition
Odd	SAX Number	The identification number provided in the SAX database for the chemical.
Odd	Molecular Weight (MW)	The gram molecular weight of the compound.
Odd	Units of Original Limits	This provides the units of measure (e.g., ppm, mg/m^3) in which the concentration limits (e.g., AEGLs, ERPGs, PEL-TWA) used to derive PACs are given.
Odd	Conc dep	A concentration-dependent chemical (indicated by a "Y") is defined as fast acting chemical whose toxic effects are immediate, and correlate more closely to concentration than dose. Included in this category are sensory irritants and chemicals that are corrosive or vesicant in their action. In contrast, the effects of a dose-dependent chemical (indicated by an "N") are a function of both concentration and duration of exposure.
Odd	P to m	Conversion factor to convert "parts per million" to "mg/m^3" at 25oC and 760 mm Hg pressure.
Odd	Molecular Formula	The molecular chemical formula for this compound.
Even	No.	The ordered numbering of the chemicals as they appear in this alphabetical listing.
Even	Chemical Compound	The common name of the chemical compound.
Even	State at 25ºC	Physical state of the chemical (S=solid, L=liquid, G=gas) at 25ºC.
Even	MP (FP) ºC	The melting point/freezing point of the chemical in ºC.
Even	BP ºC	The boiling point of the chemical in ºC at 760 mmHg unless otherwise stated.
Even	Vapor Pressure – mm Hg	The pressure in millimeters of mercury (mm Hg), unless otherwise stated, characteristic at any given temperature of a vapor in equilibrium with its liquid or solid form.
Even	Vapor Pressure – T(ºC)	The temperature at which the vapor pressure was measured is also noted when available.
Even	SG	Specific Gravity (i.e., density of a substance divided by the density of water) of the chemical.
Even	HR	The hazard rating of the chemical as specified in SAX.

Entries in Table 1 that present estimated values are presented on a "stippled" background.

Chemicals without an identified CAS RN number are issued an identification number, preceded by the letter "z," for purposes of the PAC data set. The same "z" number that was used in "TEELs Rev 21" has been retained, where applicable.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1	Acacia; (Gum Arabic)	9000-01-5	AQQ500	240000	mg/m³	Y	9809.13	(Unknown)
2	Acenaphthene	83-32-9	AAF275	154.22	mg/m³	Y	6.30	C10.H6.(C.H2)2
3	Acenaphthylene	208-96-8	AAF500	152.20	mg/m³	N	6.22	C12.H8
4	**Acetaldehyde**	**75-07-0**	AAG250	44.06	ppm	Y	1.80	C2.H4O
5	Acetamide	60-35-5	AAI000	59.08	mg/m³	N	2.41	C2.H5.N.O
6	Acetanilide	103-84-4	AAQ500	135.18	mg/m³	N	5.52	C8.H9.N.O
7	**Acetic acid**	**64-19-7**	AAT250	60.06	ppm	Y	2.45	CH3..COOH
8	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenyloxy) butane and ethenol	27360-07-2	N.I.S.		mg/m³	N		(C8.H14.O2..C4.H6.O2..C2H4.O(x
9	Acetic acid, 2-propenyl ester	591-87-7	AFU750	100.13	ppm	Y	4.09	C5.H8.O2
10	Acetic acid, lithium salt	546-89-4	LGO100	67.00	mg/m³	N	2.74	C2.H3.O2..Li
11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	MAQ250	245.12	mg/m³	N	10.02	C4.H6.O4-Mn-4(H2.O)

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1	Acacia; (Gum Arabic)	9000-01-5	S					1.4-1.5	2
2	Acenaphthene	83-32-9	S	95	277.5	10	131.2	1.024	1
3	Acenaphthylene	208-96-8	S	92-93	265-275			0.8998	2
4	**Acetaldehyde**	**75-07-0**	L	-123.5	20.8	740	20	0.804	3
5	Acetamide	60-35-5	S	81	221.2	1	65	1.159	3
6	Acetanilide	103-84-4	S	113.5	305	1	114	1.2105 @ 4C	3
7	**Acetic acid**	**64-19-7**	L	16.6	118	11.4	20	1.049	3
8	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenyloxy) butane and ethenol	27360-07-2	S					1.083	
9	Acetic acid, 2-propenyl ester	591-87-7							
10	Acetic acid, lithium salt	546-89-4	S	280-285				1.25	2
11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	S					1.59	2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
12	Acetic acid, manganese(II) salt (2:1)	638-38-0	MAQ000	173.04	mg/m³	N	7.07	C4.H6.O4..Mn
13	Acetic Anhydride	108-24-7	AAX500	102.10	ppm	Y	4.17	C4.H6.O3
14	**Acetone**	**67-64-1**	ABC750	58.09	ppm	Y	2.37	CH3.CO.CH3
15	Acetone thiosemicarbazide	1752-30-3	TFQ250	131.22	mg/m³	N	5.36	C4.H9.N3.S
16	Acetone-d6	666-52-4	N.I.S., etc.	64.12	ppm	Y	2.621	C3.D6.O
17	**Acetonitrile**	**75-05-8**	ABE500	41.06	ppm	Y	1.68	C.H3.CN
18	Acetonitrile-d3	2206-26-0	N.I.S.	44.07	ppm	N	1.801	C2.D3.N
19	Acetophenone	98-86-2	ABH000	120.16	mg/m³	N	4.91	C8.H8.O
20	Acetoxytriphenylstannane	900-95-8	ABX250	409.07	mg/m³	N	16.72	C20.H18.O2.Sn
21	Acetyl bromide	506-96-7	ACD750	122.96	ppm	Y	5.03	Br.C2.H3.O
22	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	ABC000	74.09	mg/m³	N	3.028	C3.H6.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
12	Acetic acid, manganese(II) salt (2:1)	638-38-0	S	210				1.74	2
13	Acetic Anhydride	108-24-7	L	-73.1	139.55	10	36	1.082 @ 20/4	3
14	**Acetone**	**67-64-1**	L	-94.3	56.2	180	20	1.068-1.075	2
15	Acetone thiosemicarbazide	1752-30-3	S						3
16	Acetone-d6	666-52-4	L	-93	55.5			0.872	
17	**Acetonitrile**	**75-05-8**	L	-41	82	73	20	0.7868	3
18	Acetonitrile-d3	2206-26-0	L		80.7			0.844	
19	Acetophenone	98-86-2	L	19,7	202.3	1	15	1.026	3
20	Acetoxytriphenylstannane	900-95-8	S	122		1.9 uPa	20	1.55 @ 20 C	3
21	Acetyl bromide	506-96-7	S	-96.5	76.7	122	25	1.52 @ 9.5	3
22	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	L	-7	145-146			1.082	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
23	Acetyl chloride	75-36-5	ACF750	78.50	ppm	Y	3.21	C2.H3.Cl.O
24	Acetyl triethyl citrate	77-89-4	ADD750	318.36	mg/m³	N	13.012	C14.H22.O8
25	Acetylaminofluorene, 2-	53-96-3	FDR000	223.29	mg/m³	N	9.13	C15.H13.N.O
26	Acetylaminofluorenone, 2-	3096-50-2	ABY250	237.27	mg/m³	N	9.70	C15.H11.N.O2
27	Acetylene	74-86-2	ACI750	26.04	ppm	Y	1.06	C2.H2
28	**Acrolein**	**107-02-8**	ADR000	56.07	ppm	Y	2.29	C.H2=C.H.C.H.O
29	Acrylamide	79-06-1	ADS250	71.09	mg/m³	Y	2.91	C3.H5.N.O
30	**Acrylic acid**	**79-10-7**	ADS750	72.07	ppm	Y	2.95	H2.C=CH.C.O.O.H
31	Acrylic acid polymers; (Acrylic polymer or resin)	9003-01-4	ADW200	168.06	mg/m³	N	6.87	(C3.H4.O2)4
32	**Acrylonitrile**	**107-13-1**	ADX500	53.07	ppm	Y	2.17	C.H2=C.H.C.N
33	Acrylyl chloride; (Acryloyl chloride)	814-68-6	ADZ000	90.51	ppm	N	3.70	C3.H3.Cl.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
23	Acetyl chloride	75-36-5	L	-112	51-52			1.1051	3
24	Acetyl triethyl citrate	77-89-4	S		214 @ 40mm			1.135	2
25	Acetylaminofluorene, 2-	53-96-3	S						3
26	Acetylaminofluorenone, 2-	3096-50-2	S fibers						2
27	Acetylene	74-86-2	G	-81.8	-84	30400	16.8	0.6208 @ -82 C	3
28	**Acrolein**	**107-02-8**	L	-87	52.7	210	20	0.841	3
29	Acrylamide	79-06-1	S	84.5	125 @ 25 mm	1.6	84.5	1.122	3
30	**Acrylic acid**	**79-10-7**	L	12.1	140.9	3.1	20	1.062	3
31	Acrylic acid polymers; (Acrylic polymer or resin)	9003-01-4	S						3
32	**Acrylonitrile**	**107-13-1**	L	-83	77.3	83	20	0.806	3
33	Acrylyl chloride; (Acryloyl chloride)	814-68-6	L		75	300	25		3

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No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
34	Adipic acid	124-04-9	AEN250	146.16	mg/m³	Y	5.97	C6.H10.O4
35	Adipic acid-TDI	68609-57-4	N.I.S.		mg/m³	N		(C9.H6.N2.O2..C8.H4.O3..C6.H14.O3..C6.H10.O4..C4.H10.O3)x
36	Adiponitrile	111-69-3	AER250	108.16	ppm	N	4.42	C6.H8.N2
37	Aerosol, A-102; (Poly(oxy-1,2-ethanediyl), alpha-(3-carboxy-1-oxo-3-sulfopropyl)-omega-(dodecyloxy0-,-disodium salt)	39354-45-5	N.I.S.		mg/m³	N		(C2.H4.O)n..C16.H30.O7.2..2Na
38	Agar	9002-18-0	AEX250		mg/m³	N		[Unknown]
39	Agarose, type VII (low gelling temperature)	9012-36-6	N.I.S.		mg/m³	N		[Unknown]
40	Alamine 336	68814-95-9	AHP765		mg/m³	N		[Unknown]
41	Albumin (bovine)	9048-46-8	N.I.S.	65000.00	mg/m³	N	2656.64	[Unknown]
42	Alcohol oxidase	9073-63-6	N.I.S.		mg/m³	N		[Unknown]
43	Alcohols, C6-C12 (N.O.S.)	68603-15-6	AFJ250		mg/m³	N		Cn.H2n.+1OH

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
34	Adipic acid	124-04-9	S	152	337.5	1	159.5	1.360 @ 25C	3
35	Adipic acid-TDI	68609-57-4	S						
36	Adiponitrile	111-69-3	L	2.3	295	0.00068	25	0.965 @ 20 C	3
37	Aerosol, A-102; (Poly(oxy-1,2-ethanediyl), alpha-(3-carboxy-1-oxo-3-sulfopropyl)-omega-(dodecyloxy0-,-disodium salt)	39354-45-5	L					1	
38	Agar	9002-18-0	S						1
39	Agarose, type VII (low gelling temperature)	9012-36-6	S	260					
40	Alamine 336	68814-95-9	L						2
41	Albumin (bovine)	9048-46-8	L						
42	Alcohol oxidase	9073-63-6							
43	Alcohols, C6-C12 (N.O.S.)	68603-15-6	L						3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
44	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	AFK250	364.90	mg/m³	N	14.91	C12.H8.Cl6
45	Aldrithiol-2: (2,2'-Dithiodipyridene)	2127-03-9	N.I.S. etc.	220.31	mg/m³	N	9.00	C10.H.8.N2.S2
46	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4	QAT565		mg/m³	N		[Unknown]
47	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	DMG800	240.22	mg/m³	N	9.818	C14.H8.O4
48	Alizarine Red S, Monohydrate; (Sodium alizarin-3-sulfonate)	130-22-3	SEH475	342.26	mg/m³	N	13.989	C14.H7.O7.S..Na
49	Alkanes, C4-12-	68333-81-3	N.I.S.	114.00	ppm	N	4.66	[Unspecified]
50	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108	AFN750		mg/m³	N		[Unknown]
51	Alkyd resins and rosin	66070-62-0	N.I.S.		mg/m³	N		[Unknown]
52	Alkyl benzenes (C8-C9)	z-0109	N.I.S.		mg/m³	N		[Unspecified]
53	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5	AFP250		mg/m³	Y		(Unknown)
54	Alkylamines (includes nitrogen mustard, triethylmelamine, etc.)	63231-48-1	N.I.S.		mg/m³	N		[Unspecified]

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
44	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	S	104-5					3
45	Aldrithiol-2: (2,2'-Dithiodipyridene)	2127-03-9	S	56-60					
46	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4							2
47	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	S	289	430				3
48	Alizarine Red S, Monohydrate; (Sodium alizarin-3-sulfonate)	130-22-3	S						3
49	Alkanes, C4-12-	68333-81-3							
50	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108							3
51	Alkyd resins and rosin	66070-62-0							
52	Alkyl benzenes (C8-C9)	z-0109							2
53	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5	S	34.37				0.9884 @ 20C	3
54	Alkylamines (includes nitrogen mustard, triethylmelamine, etc.)	63231-48-1							3

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No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
55	Alkylbenzene (C10-C16)	68648-87-3	N.I.S.		mg/m³	N		[Unspecified]
56	Allene; (1,2-Propadiene)	463-49-0	AFR000	40.06	ppm	N	1.64	H2.C:C:C.H2
57	**Allyl alcohol**	**107-18-6**	AFV500	58.09	ppm	Y	2.37	C.H2=C.H2.0.H
58	Allyl Bromide; (3-Bromopropene)	106-95-6	AFY000	120.99	ppm	N	4.95	C3.H5.Br
59	**Allyl chloride**	**107-05-1**	AGB250	76.53	ppm	Y	3.13	C.H2=C.H.C.H2.Cl
60	Allyl chlorocarbonate	2937-50-0	AGB500	120.54	ppm	Y	4.93	C4.H5.Cl.O2
61	Allyl isothiocyanate; (Mustard oil)	57-06-7	AGJ250	99.16	ppm	Y	4.05	C4.H5.N.S.
62	**Allylamine**	**107-11-9**	AFW000	57.11	ppm	Y	2.33	C3.H7.N
63	Allylmagnesium bromide	1730-25-2	N.I.S., etc.	145.28	mg/m³	N	5.938	C3.H5.Br.Mg
64	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S ; (alpha-Terpineol)	10482-56-1	TBD750	154.28	mg/m³	N	6.31	C10.H18.O
65	Alphahydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3	N.I.S.	152.15	mg/m³	N	6.22	C8.H8.O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
55	Alkylbenzene (C10-C16)	68648-87-3	S						1
56	Allene; (1,2-Propadiene)	463-49-0	G	-146	-32			1.787	3
57	**Allyl alcohol**	**107-18-6**	L	-129	96.9	17	20	0.854	3
58	Allyl Bromide; (3-Bromopropene)	106-95-6	L	-119	71.3			1.3980 @ 20 C	3
59	**Allyl chloride**	**107-05-1**	L	-134	45	295	20	0.938	3
60	Allyl chlorocarbonate	2937-50-0	L	-80	109.5	20	25	1.136	3
61	Allyl isothiocyanate; (Mustard oil)	57-06-7	L	-80	150.7	10	38.3	1.105 @ 15C	3
62	**Allylamine**	**107-11-9**	L		65.8-58			0.761	3
63	Allylmagnesium bromide	1730-25-2	S						
64	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S ; (alpha-Terpineol)	10482-56-1	S	40.5	220			0.9337 @ 20C	
65	Alphahydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3	S	119-121				1.3	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
66	Aluminon	569-58-4	AGW750	473.48	mg/m³	N	19.35	C22.H23.N3.O9
67	Aluminum (powder)	7429-90-5	AGX000	26.98	mg/m³	N	1.10	Al
68	Aluminum acetate, basic	7360-44-3	N.I.S.	120.04	mg/m³	N	4.91	C2.H5.Al.O4
69	Aluminum carbide	1299-86-1	AGY250	143.96	mg/m³	N	5.88	Al4.C3
70	Aluminum chloride	7446-70-0	AGY750	133.33	mg/m³	Y	5.45	Al.Cl3
71	Aluminum chloride hexahydrate	7784-13-6	AGZ000	241.45	mg/m³	Y	9.87	Al.Cl3..6 H2.O
72	Aluminum fluoride	7784-18-1	AHB000	83.98	mg/m³	Y	3.43	Al.F3
73	Aluminum grey; (Chromium compound; Acid black 60)	12218-95-0	N.I.S.	877.85	mg/m³	N	35.88	C38.H32.Cr.N8.O19.S2. .H
74	Aluminum hexafluorosilicate	17099-70-6	AHB400	480.23	mg/m³	N	19.63	F18.Si3.2Al
75	Aluminum hydroxide	21645-51-2	AHC000	78.01	mg/m³	N	3.19	Al.H3.O3
76	Aluminum oxide hydrate	1333-84-2	N.I.S. etc.	137.99	mg/m³	N	5.64	Al.O3..x(H2.O)

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
66	Aluminon	569-58-4	S	220.5	dec				1
67	Aluminum (powder)	7429-90-5	S	660	2494	1	1284	2.702	3
68	Aluminum acetate, basic	7360-44-3	S						
69	Aluminum carbide	1299-86-1	S	2100	2200 dec			2.36	
70	Aluminum chloride	7446-70-0	S	192 @ 2.5 at	181	1	100	2.44	3
71	Aluminum chloride hexahydrate	7784-13-6	S	100 dec	182.7	1	100	2.44	2
72	Aluminum fluoride	7784-18-1	S	1291	1260 subl	1	1238	2.88	3
73	Aluminum grey; (Chromium compound; Acid black 60)	12218-95-0	S						
74	Aluminum hexafluorosilicate	17099-70-6	S	>500 dec					1
75	Aluminum hydroxide	21645-51-2	S	300 dec				2.42	3
76	Aluminum oxide hydrate	1333-84-2	S	loses H2O 300C					3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
77	Aluminum oxide; (Alumina)	1344-28-1	AHE250	101.96	mg/m³	N	4.17	Al2.O3
78	Aluminum phosphate; (Phosphoric acid, aluminum sa (1:1), solution)	7784-30-7	PHB500	121.95	mg/m³	Y	4.98	Al.P.O4
79	Aluminum phosphate; (Phosphoric acid, aluminum salt)	13530-50-2	N.I.S.	320.97	mg/m³	N	13.12	Al..3(H3.O4.P)
80	Aluminum phosphide	20859-73-8	AHE750	57.95	mg/m³	Y	2.37	Al.P
81	Aluminum potassium sulfate	10043-67-1	AHF100	258.20	mg/m³	N	10.55	Al.K.(S.O4)2
82	Aluminum potassium sulfate, dodecahydrate	7784-24-9	AHF200	474.39	mg/m³	N	19.39	Al.K (S.O4)2.12 H2.O
83	Aluminum sulfate	10043-01-3	AHG750	342.14	mg/m³	N	13.98	Al2.(S.O4)3
84	Aluminum yellow 4A; (Chromium compound; Acid yellow 39)	10343-58-5	N.I.S.	496.40	mg/m³	N	20.29	C16.H12.Cr.N4.O9.S.Na
85	Aluminum(III) isopropylate	555-31-7	AHC600	204.28	mg/m³	N	8.35	C9.H21.O3..Al
86	Aluminum(III) nitrate (1:3)	13473-90-0	AHD750	213.01	mg/m³	Y	8.71	Al.(N.O3)3
87	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	AHD900	375.19	mg/m³	Y	15.33	Al.(N.O3)3..9 H2.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
77	Aluminum oxide; (Alumina)	1344-28-1	S	2030	2980	~0	20	3.5-4.0	2
78	Aluminum phosphate; (Phosphoric acid, aluminum sa (1:1), solution)	7784-30-7	L						2
79	Aluminum phosphate; (Phosphoric acid, aluminum salt)	13530-50-2	S						
80	Aluminum phosphide	20859-73-8	S	>1000				2.85 @ 15 C	3
81	Aluminum potassium sulfate	10043-67-1	S	92				1.75	1
82	Aluminum potassium sulfate, dodecahydrate	7784-24-9	S	105				1.72	D
83	Aluminum sulfate	10043-01-3	S	770 dec				2.71	2
84	Aluminum yellow 4A; (Chromium compound; Acid yellow 39)	10343-58-5	S						
85	Aluminum(III) isopropylate	555-31-7	S		125 @ 10 mm			1.025 @ 20C	1
86	Aluminum(III) nitrate (1:3)	13473-90-0	S	73	150 dec				3
87	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	S	73.5	150 dec				2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
88	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	AHF500	162.05	mg/m³	N	6.62	2Al.Si.O5
89	Amberlite IR-120(PLUS) ion-exchange resin	78922-04-0	N.I.S. etc.		mg/m³	N		(Unknown)
90	Amberlite IR-120plus ion-exchange resin, sodium form; (Cation exchange resin)	9002-23-7	N.I.S. etc.		mg/m³	Y		(Unknown)
91	Amberlite IRA-400(Cl); (Amberlite IRA-400, ion-exchange resin)	9002-24-8	N.I.S.		mg/m³	N		(Unknown)
92	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8	N.I.S. etc.		mg/m³	N		(Unknown)
93	Amberlite MB-1 ion-exchange resin; (Amberlite MB-150)	100915-96-6	N.I.S. etc.		mg/m³	N		(Unknown)
94	Amberlite XAD-16, -7, -4 resin	104219-63-8	N.I.S. etc.		mg/m³	N		(Unknown)
95	Amberlite XAD-2 resin, purified	9060-05-3	N.I.S. etc.		mg/m³	N		(Unknown)
96	Amberlite ZAD-16; (Nonionic polymeric absorbent)	9003-69-4	N.I.S.		mg/m³	N		(C10.H10)x
97	Amberlite; (Amberlite XAD7HP)	37380-43-1	N.I.S.		mg/m³	N		(Unknown)
98	Amberlyst 15 ion-exchange resin	9037-24-5	N.I.S.etc.		mg/m³	N		(Unknown)

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
88	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	S						2
89	Amberlite IR-120(PLUS) ion-exchange resin	78922-04-0	S						
90	Amberlite IR-120plus ion-exchange resin, sodium form; (Cation exchange resin)	9002-23-7	S			17	20		
91	Amberlite IRA-400(CI); (Amberlite IRA-400, ion-exchange resin)	9002-24-8	S			17	20		
92	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8	S						
93	Amberlite MB-1 ion-exchange resin; (Amberlite MB-150)	100915-96-6	S						
94	Amberlite XAD-16, -7, -4 resin	104219-63-8	S						
95	Amberlite XAD-2 resin, purified	9060-05-3	S						
96	Amberlite ZAD-16; (Nonionic polymeric absorbent)	9003-69-4	S						
97	Amberlite; (Amberlite XAD7HP)	37380-43-1	S					0.656	
98	Amberlyst 15 ion-exchange resin	9037-24-5	S						

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
99	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	NBE850	303.32	mg/m³	N	12.40	C10.H9.N.O6.S2
100	Amino-1-propanol, 3-	156-87-6	PMM250	75.13	mg/m³	Y	3.07	C3.H9.N.O
101	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	N.I.S.	181.19	mg/m³	N	7.41	C4.H11.N.O3-C2.H4.O2
102	Amino-2-methyl-2-propanol, 1-	2854-16-2	ALB250	89.16	mg/m³	N	3.64	C4.H11.N.O
103	Amino-4,6-dinitrotoluene, 2-	35572-78-2	AJR750	197.17	mg/m³	N	8.06	C7.H7.N3.O4
104	Aminoacetaldehyde diethyl acetal (2,2-diethoxyethylamine)	645-36-3	N.I.S.	133.19	mg/m³	N	5.444	N.H2.C.H2.C.H.(O.C2.H5)2
105	Aminoacetaldehyde dimethyl acetal (2,2-dimethoxyethylamine)	22483-09-6	N.I.S.	1056.14	mg/m³	N	43.166	C4.H11.N.O2
106	Aminoanthraquinone, 2-	117-79-3	AIB000	223.24	mg/m³	N	9.12	C14.H9.N.O2
107	Aminobenzoic acid, p-	150-13-0	AIH600	137.15	mg/m³	N	5.61	C7.H7.N.O2
108	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	AJA750	205.42	mg/m³	Y	8.40	C9.H23.N.O2.Si
109	Aminodiphenyl, p-	92-67-1	AJS100	169.24	mg/m³	N	6.92	C12.H11.N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
99	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	S						2
100	Amino-1-propanol, 3-	156-87-6	L	12.4	168	2.1	60	0.9786 @ 30C	2
101	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	S						
102	Amino-2-methyl-2-propanol, 1-	2854-16-2	L		151			0.929	2
103	Amino-4,6-dinitrotoluene, 2-	35572-78-2	S						2
104	Aminoacetaldehyde diethyl acetal (2,2-diethoxyethylamine)	645-36-3	L	-78	160-163			0.916	
105	Aminoacetaldehyde dimethyl acetal (2,2-dimethoxyethylamine)	22483-09-6	L		135-138			0.975	
106	Aminoanthraquinone, 2-	117-79-3	L	302-306	subl				3
107	Aminobenzoic acid, p-	150-13-0	S	188.5		0.00028	25	1.374	2
108	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	L		220	0.06	25		3
109	Aminodiphenyl, p-	92-67-1	S	53	302			1.16	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
110	Aminoethoxy)ethanol, 2(2-	929-06-6	AJU250	105-16	mg/m³	Y		C4.H11.N.O2
111	Aminoethylethanolamine	111-41-1	AJW000	104.18	mg/m³	Y	4.26	C4.H12.N2.O
112	Aminoethylpiperazine, n-	140-31-8	AKB000	129.24	mg/m³	Y	5.28	C6.H15.N3
113	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	HBM500	115.25	ppm	Y	4.71	C7.H17.N
114	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	N.I.S. etc.	302.26	mg/m³	N	12.35	C4.H14.N8.O6.S
115	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	ALT000	109.14	mg/m³	Y	4.46	C7.H7.N.O
116	Aminophenol, M-	591-27-5	ALS990	109.14	mg/m³	Y	4.46	C6.H7.N.O
117	Aminopropiophenone, 4-	70-69-9	AMC000	149.21	mg/m³	N	6.10	C9.H11.N.O
118	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	AME000	191.39	mg/m³	N	7.822	C8.H21.N.O2.Si
119	Aminopropyltriehoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	TJN000	221.42	mg/m³	Y	9.050	C9.H23.N.O3.Si
120	Aminopterin; (Aminopteridine)	54-62-6	AMG750	440.47	mg/m³	N	18.00	C19.H20.N8.O5

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
110	Aminoethoxy)ethanol, 2(2-	929-06-6	L	-12.5	221			1.0572 @ 20	2
111	Aminoethylethanolamine	111-41-1	L		243.7	<0.01	20	1.0304 @ 20	2
112	Aminoethylpiperazine, n-	140-31-8	L	-19	220.4			0.9852	3
113	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4							
114	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	S	190				1.61	
115	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	S	173					3
116	Aminophenol, M-	591-27-5	S	123	164			1.195	3
117	Aminopropiophenone, 4-	70-69-9	S	140					3
118	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	L		197-199	2.25	55	0.916	3
119	Aminopropyltriehoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	L		217			0.94 @ 20C	3
120	Aminopterin; (Aminopteridine)	54-62-6	L/S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
121	Aminopyrazine	5049-61-6	N.I.S. etc.	95.00	ppm	N	3.88	[Unknown]
122	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	AMI500	94.13	mg/m³	N	3.85	C5.H6.N2
123	Amiton oxalate	3734-97-2	AMX825	359.42	mg/m³	N	14.69	C10.H24..NO3..P.S..C2.H2.O4
124	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	DJA400	269.38	mg/m³	N	11.01	C10.H24..NO3..P.S
125	Amitrole	61-82-5	AMY050	84.10	mg/m³	N	3.44	C2.H4.N4
126	**Ammonia**	**7664-41-7**	AMY500	17.04	ppm	Y	0.70	N.H3
127	Ammonium acetate	631-61-8	ANA000	77.10	mg/m³	N	3.15	C2.H4.O2..N.H3
128	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	THQ500	195.13	mg/m³	Y	7.98	Al.F6..3(NH4)
129	Ammonium benzoate	1863-63-4	ANB100	139.17	mg/m³	N	5.69	C7.H5.O2..NH4
130	Ammonium bicarbonate	1066-33-7	ANB250	79.10	mg/m³	N	3.23	H.CO3..NH4
131	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	ANJ500	115.11	mg/m³	Y	4.70	NH4.HSO4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
121	Aminopyrazine	5049-61-6							
122	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	S	158	273				3
123	Amiton oxalate	3734-97-2	S	98-99	110 @ 0.2 mm	0.01	80		3
124	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	L		110 @ 0.2 mm	0.01	80		3
125	Amitrole	61-82-5	S	156-159					3
126	**Ammonia**	**7664-41-7**	G	-77.7	-33.3	7510	35	0.9	3
127	Ammonium acetate	631-61-8	S	114				1.07	3
128	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	S						3
129	Ammonium benzoate	1863-63-4	S	198 decom	160 sublms			1.26	3
130	Ammonium bicarbonate	1066-33-7	S	107.5				1.586	3
131	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	S	146.9				1.78	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
132	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	ANB600	99.12	mg/m³	Y	4.05	H3N.H2O3.S
133	Ammonium bromide	12124-97-9	ANC250	97.96	mg/m³	N	4.00	Br.H4.N
134	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	AND750	78.09	mg/m³	N	3.19	C.H3..N.O2..N.H3
135	Ammonium carbonate	506-87-6	ANB250	96.11	mg/m³	N	3.93	H.C.O3..N.H4
136	Ammonium chloride	12125-02-9	ANE500	53.50	mg/m³	Y	2.19	N.H4..Cl
137	Ammonium chromate	7788-98-9	ANF500 NCQ550	152.10	mg/m³	Y	6.22	(N.H4)2..Cr.O4
138	Ammonium citrate	7632-50-0	ANF800	311.42	mg/m³	Y	12.73	C6.H8.O7. (N.H3)x
139	Ammonium citrate tribasic	3458-72-8	N.I.S. etc.	243.22	mg/m³	N	9.94	C6.H8.O7
140	Ammonium citrate, dibasic	3012-65-5	N.I.S.	226.19	mg/m³	Y	9.24	C6.H8.O7. (N.H3)2
141	Ammonium dichromate	7789-09-5	ANB500	252.10	mg/m³	Y	10.30	Cr2.H8.N2.O7
142	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	N.I.S.	115.03	mg/m³	Y	4.70	H3.N.H3.O4.P

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
132	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	S		150 subl			2.03	2
133	Ammonium bromide	12124-97-9	S	452 subl.	235 in vacuum	1	198.3	2.429	2
134	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	S	60 sublms	60				3
135	Ammonium carbonate	506-87-6	S	107.5	dec			1.586	3
136	Ammonium chloride	12125-02-9	S	337.8	520	1	160.4 subl	1.52	3
137	Ammonium chromate	7788-98-9	S	180 decom				1.91 @ 12 C	3
138	Ammonium citrate	7632-50-0	S					1.48	2
139	Ammonium citrate tribasic	3458-72-8	S	185					
140	Ammonium citrate, dibasic	3012-65-5	S		decom			1.48 @ 25 C	
141	Ammonium dichromate	7789-09-5	S	dec				2.936	3
142	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	S	190				1.803	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
143	Ammonium ferrous sulfate hexahydrate	7783-85-9	IGL200	356.09	mg/m³	N	14.55	H4-N2.Fe2.O4-S..6H2O
144	Ammonium fluoborate	13826-83-0	ANH000	104.86	mg/m³	Y	4.29	F4.B..N.H4
145	Ammonium fluoride	12125-01-8	ANH250	37.05	mg/m³	Y	1.51	N.H4..F
146	Ammonium formate	540-69-2	ANH500	63.07	mg/m³	N	2.58	NH3.C.H2.O2
147	Ammonium hexachlorohydrate (III)	z-0001	N.I.S.		mg/m³	N		[Unknown]
148	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	COE000	178.19	mg/m³	N	7.28	(N.H4)2..F6.Si
149	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	ANJ000	57.06	mg/m³	Y	2.33	N.H4.HF2
150	Ammonium hydrogen oxalate hemihydrate	37541-72-3	N.I.S. etc.	232.15	mg/m³	Y	9.49	C4.H10.N2.O8..H2.O
151	Ammonium hydroxide	1336-21-6	ANK250	35.06	ppm	Y	1.43	N.H4..O.H
152	Ammonium iodide	12027-06-4	ANL000	145.00	mg/m³	Y	5.93	N.H4.I
153	Ammonium lactate	52003-58-4	N.I.S.		mg/m³	N		N.H3..C3.H6.O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
143	Ammonium ferrous sulfate hexahydrate	7783-85-9	S						2
144	Ammonium fluoborate	13826-83-0	S	230	238 subl			1.871 @ 15 C	3
145	Ammonium fluoride	12125-01-8	S	subl				1.00925	3
146	Ammonium formate	540-69-2	S	116	180 dec			1.28	2
147	Ammonium hexachlorohydrate (III)	z-0001	S						
148	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	S	subl				2.01	3
149	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	S	126	239			1.51	3
150	Ammonium hydrogen oxalate hemihydrate	37541-72-3	S	220					
151	Ammonium hydroxide	1336-21-6	L	-77	36	2160	25	0.9	3
152	Ammonium iodide	12027-06-4	S	551 subl	220 vac	1	210.9	2.51425	2
153	Ammonium lactate	52003-58-4							

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
154	Ammonium lignin sulfonate	8061-53-8	N.I.S.		mg/m³	N		[Unknown]
155	Ammonium molybdate(VI) tetrahydrate	12054-85-2	N.I.S.	1163.89	mg/m³	N	47.57	Mo7.O24.H24.N6
156	Ammonium molybdophosphate	12026-66-3	N.I.S.	1876.35	mg/m³	N	76.69	(N.H4)3..12(Mo.O3)..P.O4
157	Ammonium nickel sulfate	15699-18-0	NCY000	286.93	mg/m³	N	11.73	O8.S2.Ni.2H.4N
158	Ammonium nitrate	6484-52-2	ANN000	80.06	mg/m³	Y	3.27	H.N.O3..H3.N
159	Ammonium oxalate monohydrate	5972-73-6	N.I.S.	125.08	mg/m³	Y	5.11	C2.H7.N.O5. or N.H3..H2..C2.O4..H2.O
160	Ammonium oxalate; (Ammonium oxalate hydrate)	6009-70-7	N.I.S.	142.11	mg/m³	Y	5.81	C2.H10.N2.O5. or (N.H4)2..C2.O4..H2.O
161	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	ANO750	124.12	mg/m³	Y	5.07	C2.H2.O4.. 2 H3.N
162	Ammonium pentaborate	12007-89-5	N.I.S.	272.14	mg/m³	N	11.12	N.H4.B5.O8
163	Ammonium perchlorate	7790-98-9	PCD500	117.50	mg/m³	Y	4.80	Cl.O4..H4.N
164	Ammonium permanganate	13446-10-1	PCJ750	136.99	mg/m³	Y	5.60	Mn.O4..H4.N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
154	Ammonium lignin sulfonate	8061-53-8							
155	Ammonium molybdate(VI) tetrahydrate	12054-85-2	S	90	180 dec			2.498	
156	Ammonium molybdophosphate	12026-66-3	S						
157	Ammonium nickel sulfate	15699-18-0	S					1.923	3
158	Ammonium nitrate	6484-52-2	S	169.6	>210 subl			1.725	3
159	Ammonium oxalate monohydrate	5972-73-6	S						
160	Ammonium oxalate; (Ammonium oxalate hydrate)	6009-70-7	S	70 decom				1.50 @ 18.5 C	
161	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	S	dec				1.5	3
162	Ammonium pentaborate	12007-89-5	S					1.58 @ 15C	
163	Ammonium perchlorate	7790-98-9	S vs	dec				1.95	3
164	Ammonium permanganate	13446-10-1	S	expl				2.208	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
165	Ammonium persulfate	7727-54-0	ANR000	228.22	mg/m³	Y	9.33	O8.S2..2 H4.N
166	Ammonium phosphate dibasic	7783-28-0	ANR500	132.08	mg/m³	N	5.40	H6.N2..H3.O4.P
167	Ammonium picrate	131-74-8	ANS500	246.16	mg/m³	N	10.06	C6.H3.N3.O7..H3.N
168	Ammonium polyacrylate	9003-03-6	N.I.S.		mg/m³	N		(C3.H4.O2)x..x H3.N
169	Ammonium sulfamate	7773-06-0	ANU650	114.14	mg/m³	N	4.67	H2.N.O3.S..H4.N
170	Ammonium sulfate	7783-20-2	ANU750	132.16	mg/m³	N	5.40	S.O4..(N.H4)2
171	Ammonium sulfide	12135-76-1	N.I.S.	68.14	ppm	Y	2.78	(N.H4)2..S
172	Ammonium sulfite	10196-04-0	N.I.S.	116.14	mg/m³	Y	4.75	(N.H4)2..2S.O3
173	Ammonium sulfite monohydrate	7783-11-1	N.I.S. etc.	134.16	mg/m³	N	5.48	(N.H4)2..S.O3..H2.O
174	Ammonium tartrate	14307-43-8	N.I.S.	184.00	mg/m³	Y	7.52	(N.H4)2.. C4.H4.O6
175	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	DCH000	184.18	mg/m³	N	7.53	C4.H6.O6.. 2 N.H3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
165	Ammonium persulfate	7727-54-0	S	120 dec				1.982	3
166	Ammonium phosphate dibasic	7783-28-0	S	185 dec				1.619	2
167	Ammonium picrate	131-74-8	S	dec	423 expl			1.719	3
168	Ammonium polyacrylate	9003-03-6	S						
169	Ammonium sulfamate	7773-06-0	S	131	160 dec				2
170	Ammonium sulfate	7783-20-2	S	>280				1.77	2
171	Ammonium sulfide	12135-76-1	L	decom	104				
172	Ammonium sulfite	10196-04-0	S					> 1.1 @ 20 C	
173	Ammonium sulfite monohydrate	7783-11-1	S	60-70	230-245 decomp			1.41	
174	Ammonium tartrate	14307-43-8	S		decom			1.6 @ 25 C	
175	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	S					1.601	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
176	Ammonium tetraethyl bromide; (Tetraethyl ammonium bromide)	71-91-0	TCC000	210.20	mg/m³	N	8.59	C8.H2.0.N..Br
177	Ammonium tetramethyl bromide; (Tetramethylammonium bromide)	64-20-0		154.08	mg/m³	N	6.30	C4.H12.Br.N
178	Ammonium thiocyanate	1762-95-4	ANW750	76.13	mg/m³	N	3.11	C.N.S..H4.N
179	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	ANK600	148.22	mg/m³	N	6.06	(N.H4)2..S2.O3
180	Ammonium tungstate(VI)	11120-25-5	N.I.S.	3042.44	mg/m³		124.35	(N.H4)10..W12.O41
181	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	ANY250	116.99	mg/m³	N	4.78	NH4.VO3
182	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	HCQ500	364.53	mg/m³	Y	14.90	C19.H42.N.Br
183	Ammonium-d4 deuteroxide	13550-49-7	N.I.S. etc.	20.05	ppm	N	0.819	D3.N
184	Amosite	12172-73-5	ARM262	1908.60	mg/m³	N	78.01	11 Fe.O..3 Mg.O..16 Si.O2..2 H2.O
185	Amphetamine; (Benzedrine)	300-62-9	BBK000	135.23	mg/m³	N	5.53	C9.H13.N
186	Amyl acetate	628-63-7	AOD725	130.21	ppm	Y	5.32	C7.H14.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
176	Ammonium tetraethyl bromide; (Tetraethyl ammonium bromide)	71-91-0	S hygr	286 dec				1.3970 @ 20C	3
177	Ammonium tetramethyl bromide; (Tetramethylammonium bromide)	64-20-0	S hygr.	dec. >230	subl. >360 dec.			1.5	3
178	Ammonium thiocyanate	1762-95-4	S del	149.6	170 dec			1.305	3
179	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	S	150 dec				1.679	2
180	Ammonium tungstate(VI)	11120-25-5	S					2.3	
181	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	S	200 dec				2.326	3
182	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	S	237-243					3
183	Ammonium-d4 deuteroxide	13550-49-7	G						
184	Amosite	12172-73-5	S fibre						3
185	Amphetamine; (Benzedrine)	300-62-9	L		203			0.931	3
186	Amyl acetate	628-63-7	L	-78.5	148.4			0.879	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
187	Amyl alcohol; (1-Pentanol)	71-41-0	AOE000	88.17	ppm	Y	3.60	C5.H12.O
188	Amyl methyl ether, tert-; (TAME)	994-05-8	PBX400	102.20	ppm	Y	4.18	C6.H14.O
189	Amylamine, n-; (1-Pentylamine)	110-58-7	PBV505	87.19	mg/m³	N	3.56	C5.H13.N
190	Anhydrone; (Magnesium perchlorate)	10034-81-8	PCE000	223.21	mg/m³	Y	9.12	Cl2.O8.Mg
191	**Aniline**	**62-53-3**	AOQ000	93.14	ppm	N	3.81	C6.H5.N.H2
192	Anisidine, o-	90-04-0	AOV900	123.17	mg/m³	N	5.03	C7H9NO
193	Anisidine, p-	104-94-9	AOW000	123.16	mg/m³	N	5.03	C7.H9.N.O
194	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	AOX750	108.15	mg/m³	Y	4.42	C7.H8.O
195	Anthracene	120-12-7	APG500	178.24	mg/m³	Y	7.28	C6.H4:(C.H)2: C6.H4
196	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	N.I.S.	474.34	mg/m³	N	19.39	C14.H8.N2.O10.S2..2Na
197	Anthranilic acid	118-92-3	API500	137.15	mg/m³	N	5.61	C7.H7.N.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
187	Amyl alcohol; (1-Pentanol)	71-41-0	L	-79	137.8	10	44.9	0.8168	3
188	Amyl methyl ether, tert-; (TAME)	994-05-8	L		86.1	75.2	25	0.766	2
189	Amylamine, n-; (1-Pentylamine)	110-58-7	L						3
190	Anhydrone; (Magnesium perchlorate)	10034-81-8	S	251 dec				2.6	2
191	**Aniline**	**62-53-3**	L	-6.1	183.9	0.6	20	1.02	3
192	Anisidine, o-	90-04-0	L	5	225			1.097	3
193	Anisidine, p-	104-94-9	S	57	246			1.089	1
194	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	L	-37.3	153.8	10	42.2	1.515	3
195	Anthracene	120-12-7	S	217	339.9	1	145	1.24	2
196	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	S						
197	Anthranilic acid	118-92-3	S	144-146	subl.			1.412 @ 20C	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
198	Anthraquinone	84-65-1	APK250	208.22	mg/m³	N	8.51	C14.H8.O2
199	Antimony	7440-36-0	AQB750	121.75	mg/m³	N	4.98	Sb
200	Antimony oxide	1309-64-4	AQF000	291.50	mg/m³	N	11.91	Sb2.O3
201	Antimony pentachloride	7647-18-9	AQD000	299.01	mg/m³	N	12.22	Cl5.Sb
202	Antimony pentafluoride	7783-70-2	AQF250	216.75	mg/m³	Y	8.86	Sb.F5
203	Antimony pentasulfide	1315-04-4	AQF500	403.80	mg/m³	N	16.50	Sb2.S5
204	Antimony potassium tartrate trihydrate	28300-74-5	AQG250	635.88	mg/m³	N	25.99	C8.H4O..12 Sb2.3 H2.O.2K
205	Antimony trichloride	10025-91-9	AQC500	228.10	mg/m³	Y	9.32	Sb.Cl3
206	Antimony trifluoride	7783-56-4	AQE000	178.75	mg/m³	Y	7.31	Sb.F3
207	Antimycin A	1397-94-0	AQM250	512.34	mg/m³	N	20.94	C28.H4.N2.O9
208	Antioxidant G-16 (most toxic antiox)	61373-87-3	N.I.S.		mg/m³	N		[Unknown]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
198	Anthraquinone	84-65-1	S	286	376.9	1	190	1.438	2
199	Antimony	7440-36-0	S	630	1635	1	886	6.684	3
200	Antimony oxide	1309-64-4	V	650	1550 subl			5.2	3
201	Antimony pentachloride	7647-18-9	S	4	140	1	22.7	2.336	3
202	Antimony pentafluoride	7783-70-2	L	7	149.5			2.99 @ 23C	3
203	Antimony pentasulfide	1315-04-4	S	75 decom				4.12	3
204	Antimony potassium tartrate trihydrate	28300-74-5	S	100 lose water				2.607	3
205	Antimony trichloride	10025-91-9	S del	73.4	220	1	49.2	3.06	3
206	Antimony trifluoride	7783-56-4	S	292	376	200	292	4.379 @ 20.9 C	3
207	Antimycin A	1397-94-0	S			0.00001	25		3
208	Antioxidant G-16 (most toxic antiox)	61373-87-3	L						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
209	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	HHM000	99.47	ppm	Y	4.07	3H.Cl..H.N.O3
210	Arginine, L-	74-79-3	AQV980	174.20	mg/m³	N	7.12	C6.H14.N4.O2
211	Argon	7440-37-1a	AQW250	39.94	ppm	N	1.63	Ar
212	Argon, cryogenic	7440-37-1b	AQW250	39.94	ppm	N	1.63	Ar
213	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic	64742-95-6	SKS350	100.00	ppm	N	4.09	[Unspecified]
214	Aromatic isocyanate mixture "SWD 305A"	z-0111	N.I.S. etc.		mg/m³	N		
215	Arsenic (& inorganic compounds)	1327-53-3	ARI750	197.84	mg/m³	N	8.09	As +
216	Arsenic (organic compounds as As)	7440-38-2	ARA750	74.92	mg/m³	N	3.06	As +
217	Arsenic acid	1327-52-2	N.I.S.	141.95	mg/m³	N	5.80	As.H3.O4
218	Arsenic acid; (o-arsenic acid)	7778-39-4	ARB250	141.95	mg/m³	Y	5.80	As.H3.O4
219	Arsenic pentoxide	1303-28-2	ARH500	229.84	mg/m³	Y	9.39	As2.O5

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
209	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	L						3
210	Arginine, L-	74-79-3	S	207					
211	Argon	7440-37-1a	G	-189.2	-185.7			1784	1
212	Argon, cryogenic	7440-37-1b	G	-189.2	-185.7			1.40 @ -186 C	1
213	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic	64742-95-6	L						D
214	Aromatic isocyanate mixture "SWD 305A"	z-0111	L						
215	Arsenic (& inorganic compounds)	1327-53-3	S	613 subl		1	372	4.15	3
216	Arsenic (organic compounds as As)	7440-38-2	S					4.7	3
217	Arsenic acid	1327-52-2	S	35.5	300 dec			2.2 @ 20 C	
218	Arsenic acid; (o-arsenic acid)	7778-39-4	S	35.5	160 dec			2-2.5	3
219	Arsenic pentoxide	1303-28-2	S	800 dec				4.32	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
220	Arsenious acid	13464-58-9	ARF750	125.99	mg/m³	Y	5.15	As.H3.O3
221	Arsenous trichloride	7784-34-1	ARF500	181.27	ppm	N	7.41	As.Cl3
222	**Arsine**	**7784-42-1**	ARK250	77.95	ppm	**Y**	3.19	As.H3
223	Asbestos	1332-21-4	ARM250		mg/m³	Y		[Unspecified]
224	Asbestos (Chrysotile)	12001-29-5	ARM268		mg/m³	Y		(Unspecified)
225	Ascaridole	512-85-6	ARM500	168.26	mg/m³	N	6.88	C10.H16.O2
226	Ascarite; (Asbestos, 1332-21-4)	81133-20-2	N.I.S. etc.		mg/m³	N		(Unspecified)
227	Ascorbic acid	50-81-7	ARN000	176.14	mg/m³	N	7.20	C6.H8.O6
228	Asphalt; (Bitumen)	8052-42-4a	ARO500		mg/m³	Y		[Unspecified]
229	Auramine; (4.4'-(Imidocarbonyl)bis(n.n-dimethylamine monohydrochloride)	2465-27-2	IBA000	303.87	mg/m³	N	12.42	C17.H21.N3..Cl.H
230	Azaserine; (L-Serine, diazoacetate (ester))	115-02-6	ASA500	173.15	mg/m³	N	7.08	C5.H7.N3.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
220	Arsenious acid	13464-58-9	V						
221	Arsenous trichloride	7784-34-1	L	-16	130	10	23.5	2.15	3
222	**Arsine**	**7784-42-1**	G	-117.2	-62.8	>760		2.695	3
223	Asbestos	1332-21-4	S fibers						3
224	Asbestos (Chrysotile)	12001-29-5	S fibrs						3
225	Ascaridole	512-85-6	L	3.3					3
226	Ascarite; (Asbestos, 1332-21-4)	81133-20-2	S						
227	Ascorbic acid	50-81-7	S	192					2
228	Asphalt; (Bitumen)	8052-42-4a	S (?)		<470			0.96-1.1	3
229	Auramine; (4.4'-(Imidocarbonyl)bis(n.n-dimethylamine monohydrochloride)	2465-27-2	S	267					3
230	Azaserine; (L-Serine, diazoacetate (ester))	115-02-6	S	157	decom	1.53 E-10	25		3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
231	Azinphos ethyl; (Ethyl guthion)	2642-71-9	EKN000	345.40	mg/m³	N	14.12	C12.H16.N3.O3.P.S2
232	Azinphos methyl; (GuthionR)	86-50-0	ASH500	317.34	mg/m³	N	12.97	C10.H12.N3.O3.P.S2
233	Azirdine; (ethylenimine; poly(ethyleneimine))	9002-98-6	PJX800	10000.00	mg/m³	N	408.714	(C2.H5.N)x
234	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	ASL750	164.24	mg/m³	N	6.71	C8.H12.N4
235	Azodicarbamide; (Azodicarbonamide)	123-77-3	ASM270	116.10	mg/m³	N	4.75	C2.H4.N4.O2
236	Bacto peptone	51142-18-8	N.I.S. etc.		mg/m³	N		(Unknown)
237	Barbituric acid	67-52-7	BAG750	128.10	mg/m³	Y	5.24	C4.H4.O3.N2
238	Barium	7440-39-3	BAH250	137.36	mg/m³	N	5.61	Ba (element)
239	Barium acetate; (Barium acetate anhydrous)	543-80-6	BAH500	255.44	mg/m³	N	10.44	Ba..C4.H6.O4
240	Barium carbonate	513-77-9	BAJ250	197.35	mg/m³	N	8.07	CO3.Ba
241	Barium chloride	10361-37-2	BAK000	208.24	mg/m³	N	8.51	Ba.Cl2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
231	Azinphos ethyl; (Ethyl guthion)	2642-71-9	S	53	111 @ 0.001 mm	0.0000032	20	1.284 @ 20 C	3
232	Azinphos methyl; (GuthionR)	86-50-0	S	74				1.44	3
233	Azirdine; (ethylenimine; poly(ethyleneimine))	9002-98-6	L						2
234	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	S	107 dec					3
235	Azodicarbamide; (Azodicarbonamide)	123-77-3	S	225				1.65 @20 C	D
236	Bacto peptone	51142-18-8							
237	Barbituric acid	67-52-7	S	245	260 dec				1
238	Barium	7440-39-3	S	725	1640	10	1049	3.5	3
239	Barium acetate; (Barium acetate anhydrous)	543-80-6	S		725 dec			2.468	3
240	Barium carbonate	513-77-9	S	dec				4.43	3
241	Barium chloride	10361-37-2	S	925	1560			3.856	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
242	Barium chloride dihydrate	10326-27-9	BAK020	244.28	mg/m³	N	9.98	Ba.Cl2..2H2O
243	Barium chromate	10294-40-3	BAK250	255.36	mg/m³	N	10.44	Ba.Cr.O4
244	Barium cyanide	542-62-1	BAK750	189.38	mg/m³	N	7.74	Ba.C2.N2
245	Barium dioxide; (Barium peroxide)	1304-29-6	BAO250	169.34	mg/m³	Y	6.92	Ba.O2
246	Barium diphenylamine sulfonate	6211-24-1	N.I.S.	633.88	mg/m³	N	25.91	C24.H20.Ba.N2.O6.S2
247	Barium fluoride	7787-32-8	BAM000	175.34	mg/m³	N	7.17	Ba.F2
248	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	BAK500	233.31	mg/m³	N	9.54	Ba.H.P.O4
249	Barium hydroxide	17194-00-2	BAM500	171.35	mg/m³	N	7.00	Ba.(O.H)2
250	Barium hydroxide octahydrate	12230-71-6	N.I.S.	315.47	mg/m³	Y	12.89	Ba.H2.O2..8 H2.O
251	Barium metaborate	13701-59-2	N.I.S.	222.96	mg/m³	N	9.11	B2.O4.Ba
252	Barium nitrate	10022-31-8	BAN250	261.36	mg/m³	Y	10.68	Ba.(N.O3)2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
242	Barium chloride dihydrate	10326-27-9	S	962	1560			3.9	3
243	Barium chromate	10294-40-3	S					4.498	3
244	Barium cyanide	542-62-1	S						3
245	Barium dioxide; (Barium peroxide)	1304-29-6	S	450	800 dec			4.96	3
246	Barium diphenylamine sulfonate	6211-24-1	S	300					
247	Barium fluoride	7787-32-8	S	1280	2137			4.89	3
248	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	S	400 dec				4.16	3
249	Barium hydroxide	17194-00-2	S	408					3
250	Barium hydroxide octahydrate	12230-71-6	S pwdr	78/408	780	227	77.9	2.18 @ 16C	3
251	Barium metaborate	13701-59-2	S	>900				3.3	
252	Barium nitrate	10022-31-8	S	592	dec			3.24	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
253	Barium nitrite	13465-94-6	N.I.S.	229.34	mg/m³	N	9.37	Ba.(N.O2)2
254	Barium oxide	1304-28-5	BAO000	153.34	mg/m³	N	6.27	Ba.O
255	Barium permanganate	7787-36-2	PCK000	375.22	mg/m³	Y	15.34	Mn.O4.Ba
256	Barium phosphate	13466-20-1	BAK500	216.30	mg/m³	N	8.84	Ba.P.O3
257	Barium stearate	6865-35-6	BAO825	706.42	mg/m³	N	28.87	Ba..C36.H72.O4
258	Barium sulfate	7727-43-7	BAP000	233.40	mg/m³	N	9.54	Ba.S.O4
259	Basic Green 4; (Aizen malachite green)	569-64-2	AFG500	364.95	mg/m³	N	14.92	C23.H25.N2.Cl
260	Basic Red 1; (Rhodamine 6G extra base)	989-38-8	RGW000	479.06	mg/m³	N	19.58	C28.H30.N2.O3..Cl.H
261	Bathophenanthroline	1662-01-7	N.I.S.	175.08	mg/m³	N	7.156	C24.H16.N2
262	Bentonite; (Clay absorbent)	1302-78-9	BAV750		mg/m³	N		[Unspecified]
263	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	BAW250	252.32	mg/m³	N	10.31	C20.H12

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
253	Barium nitrite	13465-94-6	S	267				3.234	
254	Barium oxide	1304-28-5	S	1913	~2000			5.72	3
255	Barium permanganate	7787-36-2	S	200 dec				3.77	2
256	Barium phosphate	13466-20-1	S						3
257	Barium stearate	6865-35-6	S	160				1.145	2
258	Barium sulfate	7727-43-7	S insol	1580	dec.	~0	20	4.5	2
259	Basic Green 4; (Aizen malachite green)	569-64-2	S						3
260	Basic Red 1; (Rhodamine 6G extra base)	989-38-8	S						3
261	Bathophenanthroline	1662-01-7	S	218-220					
262	Bentonite; (Clay absorbent)	1302-78-9	S						1
263	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	S	168		0.0000005	20		3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
264	Benzal chloride	98-87-3	BAY300	161.03	mg/m³	N	6.58	C7.H6.Cl2
265	Benzaldehyde	100-52-7	BAY500	106.13	ppm	Y	4.34	C7.H6.O
266	Benzamide	55-21-0	BBB000	121.15	mg/m³	N	4.95	C7.H7.N.O
267	Benzenamine, sulfate (2:1)	542-16-5	N.I.S.	284.33	mg/m³	N	11.62	C12.H16.N2.O4.S
268	**Benzene**	**71-43-2**	BBL250	78.12	ppm	Y	3.19	C6.H6
269	Benzene D6; (Deuterated benzene)	1076-43-3	N.I.S.	84.16	ppm	Y	3.44	C6.D6
270	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	BBP750	290.82	mg/m³	N	11.89	C6.H6.Cl6
271	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	NFN400	171.59	mg/m³	N	7.01	C7.H6.Cl..N.O2
272	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	BBL750	202.05	mg/m³	N	8.26	C6.H7.As.O3
273	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	BBS750	176.62	mg/m³	N	7.22	C6.H5.Cl.O2.S
274	Benzenesulfonic acid, 4-chloro	98-66-8	CEK100	192.62	mg/m³	N	7.87	C6.H5.Cl.O3.S

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
264	Benzal chloride	98-87-3	L	-16	214			1.29	3
265	Benzaldehyde	100-52-7	L	-26	179	1	26.2	1.041	3
266	Benzamide	55-21-0	S	130	288	0.000165		1.341	2
267	Benzenamine, sulfate (2:1)	542-16-5	S					1.38	
268	**Benzene**	**71-43-2**	L	5.6	79.4	75	20	0.8794	3
269	Benzene D6; (Deuterated benzene)	1076-43-3	L	7	79			0.95	
270	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	S	113		0.0317		1.87	3
271	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	S	71	230	0.05	25		3
272	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	S	160 dec				1.76	3
273	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	L	14.5	251-252	0.068	25	1.384 @ 15 C	3
274	Benzenesulfonic acid, 4-chloro	98-66-8	S	102					2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
275	Benzenesulfonic acid, 5-chloro-2	z-0130	N.I.S. etc.	192.62	mg/m³	N	7.87	C6.H5.Cl.O3.S
276	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	PPQ635	218.12	mg/m³	Y	8.91	C1.0.H2.O6
277	Benzenethiol; (Thiophenol; Phenyl mercaptan)	108-98-5	PFL850	110.18	ppm	Y	4.50	C6.H5..S.H
278	Benzidene	92-87-5	BBX000	184.26	mg/m³	N	7.53	C12.H12.N2
279	Benzo(a)anthracene	56-55-3	BBC250	228.30	mg/m³	N	9.33	C18.H12
280	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	BCS750	252.32	mg/m³	N	10.31	C2.0.H12
281	Benzo(ghi)perylene	191-24-2	BCR000	276.34	mg/m³	N	11.29	C22.H12
282	Benzo(k)fluoranthene	207-08-9	BCJ280	252.32	mg/m³	N	10.31	C20.H12
283	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7	N.I.S. etc.	424.54	mg/m³	Y	17.35	(Uknown)
284	Benzoic acid	65-85-0	BCL750	122.13	mg/m³	Y	4.99	C7.H6.O2
285	Benzoic acid, sodium salt	532-32-1	SFB000	144.11	mg/m³	N	5.89	C7.H5.O2..Na

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
275	Benzenesulfonic acid, 5-chloro-2	z-0130	S						
276	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	S	285.3	397-400	4.8E-06	25	1.68	3
277	Benzenethiol; (Thiophenol; Phenyl mercaptan)	108-98-5	L	-14.8	169.5	2	25	1.973 @ 25C	3
278	Benzidene	92-87-5	S	127	400			1.25	3
279	Benzo(a)anthracene	56-55-3	S	160	400				3
280	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	S	179	310->				3
281	Benzo(ghi)perylene	191-24-2	S	272-273					2
282	Benzo(k)fluoranthene	207-08-9	S	217	480	9.7E-10	25		3
283	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7						0.888	
284	Benzoic acid	65-85-0	S	122	249	1	96	1.316	2
285	Benzoic acid, sodium salt	532-32-1	S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
286	Benzoin oxime	441-38-3	BCP500	227.28	mg/m³	N	9.29	C14.H13.N.O2
287	**Benzonitrile**	**100-47-0**	BCQ250	103.13	ppm	Y	4.22	C7.H5.N
288	Benzophenone	119-61-9	BCS250	182.23	mg/m³	N	7.45	C13.H10.O
289	Benzoquinone, p-; (Quinone)	106-51-4	QQS200	108.10	ppm	N	4.42	C6.H4.O2
290	Benzothiazole	95-16-9	BDE500	135.19	mg/m³	N	5.525	C7.H5.N.S
291	Benzotriazole	95-14-7	BDH250	119.14	mg/m³	N	4.87	C6.H5.N3
292	Benzotrifluoride	98-08-8	BDH500	146.12	mg/m³	Y	5.97	C7.H5.F3
293	**Benzoyl chloride**	**98-88-4**	BDM500	140.57	ppm	N	5.75	C7.H5.ClO
294	Benzoyl peroxide	94-36-0	BDS000	242.24	mg/m³	Y	9.90	C14.H10.O4
295	Benzyl acetate	140-11-4	BDX000	150.19	ppm	Y	6.138	C9.H10.O2
296	Benzyl alcohol	100-51-6	BDX500	108.15	ppm	Y	4.42	C7.H8.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
286	Benzoin oxime	441-38-3							3
287	**Benzonitrile**	**100-47-0**	L	-12.8	191			1.246	3
288	Benzophenone	119-61-9	S	49	305.4	1	108.2	1.1	3
289	Benzoquinone, p-; (Quinone)	106-51-4	S	115.7	subl.			1.318	3
290	Benzothiazole	95-16-9	L	2	231			1.238	3
291	Benzotriazole	95-14-7	S	100	204 @ 15mm				3
292	Benzotrifluoride	98-08-8	L	-29.1	103.46	38.83	25	1.197 @ 15.5 C	3
293	**Benzoyl chloride**	**98-88-4**	L	-0.5	197	1	32.1	1.22 @ 15C	3
294	Benzoyl peroxide	94-36-0	S	106-108.6	dec expls				3
295	Benzyl acetate	140-11-4	L	-51	213	0.177	25	1.05	3
296	Benzyl alcohol	100-51-6	L	-15.3	205.3	1	58	1.05	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
297	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	BDX090	225.28	mg/m³	N	9.208	C12.H11.N5
298	Benzyl benzoate	120-51-4	BCM000	212.26	mg/m³	N	8.68	C14.H12.O2
299	**Benzyl chloride**	**100-44-7**	BEE375	126.59	ppm	Y	5.17	C6.H5..C.H2.Cl
300	Benzyl chloroformate; (Carbobenzoxy chloride)	501-53-1	BEF500	170.60	mg/m³	Y	6.973	C8.H7.Cl.O2
301	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	PEA750	117.16	mg/m³	Y	4.79	C8.H7.N
302	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	BFL250	195.47	mg/m³	N	7.99	C7.H5.Cl3
303	Benzylamine	100-46-9	BDX750	107.20	mg/m³	Y	4.38	C7.H9.N
304	Benzylbutylester phthalic acid; (Benzyl butyl phthalate)	85-68-7	BEC500	312.39	mg/m³	N	12.77	C19.H20.O4
305	Benzyldimethylamine; (Dimethylbenzylamine, n,n-; BDMA)	103-83-3	DQP800	135.23	mg/m³	Y	5.53	C9.H13.N
306	Benzyldimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	DTC600	424.23	mg/m³	Y	17.34	C27.H5.0.N·Cl
307	Benzylmagnesium chloride	6921-34-2	N.I.S.	150.89	mg/m³	N	6.167	C7.H7.Cl.Mg

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
297	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	S	232.8					2
298	Benzyl benzoate	120-51-4	L	21	324	0.00022	25	1.116	2
299	**Benzyl chloride**	**100-44-7**	L	-38.9	178.9	1.23	25	1.11	3
300	Benzyl chloroformate; (Carbobenzoxy chloride)	501-53-1	L		152	7	85-87	1.2166 @ 20	3
301	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	L	-23.8	233.5	1	60	1.0214 @ 15 C	3
302	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	L	-5	221			1.38	3
303	Benzylamine	100-46-9	L		185	0.653	25	0.983 @ 19C	2
304	Benzylbutylester phthalic acid; (Benzyl butyl phthalate)	85-68-7	L	-35	370			1.116	2
305	Benzyldimethylamine; (Dimethylbenzylamine, n,n-; BDMA)	103-83-3	L	-75	181			0.915 @ 10C	3
306	Benzyldimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	S						3
307	Benzylmagnesium chloride	6921-34-2	S in soln					0.794	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
308	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	BFM500	167.28	mg/m³	N	6.837	C10.H16.N..H.O
309	**Beryllium**	**7440-41-7**	BFO750	9.01	mg/m³	Y	0.37	Be
310	Beryllium chloride	7787-47-5	BFQ000	79.91	mg/m³	Y	3.27	Be.Cl2
311	Beryllium fluoride	7787-49-7	BFR500	47.01	mg/m³	Y	1.92	Be.F2
312	Beryllium hydroxide	13327-32-7	BFS250	43.03	mg/m³	N	1.76	H2.O2.Be
313	Beryllium nitrate	13597-99-4	BFT000	133.03	mg/m³	N	5.44	Be.N2.O6
314	Beryllium oxide	1304-56-9	BFT250	25.01	mg/m³	N	1.02	Be.O
315	Betaine, anhydrous; (Glycine betaine)	107-43-7	GHA050	117.17	mg/m³	N	4.789	C5.H11.N.O2
316	Bicyclo(2.2.1)heptane-2-carbonitrile, 5-chloro-6-((((methylamino)carbonyl)oxy)Imino)-, (ls-(1-alpha,2-beta,4-alpha,5-alpha,6E))-.	15271-41-7	CFF250	241.70	mg/m³	N	9.88	C10.H12.Cl.N3.O2
317	Bioxirane, 2,2-; (1,2:3,4-Diepoxybutane)	1464-53-5	BGA750	86.10	ppm	Y	3.52	C4.H6.O2
318	Biphenylol, 4-	92-69-3	BGJ500	170.22	mg/m³	N	6.96	C12.H10.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
308	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	S		15				3
309	**Beryllium**	**7440-41-7**	S	1287	2500	~0	20	1.85	3
310	Beryllium chloride	7787-47-5	S	415	520	1	291	1.899 @ 25 C	3
311	Beryllium fluoride	7787-49-7	S	552	1160			1.986 @ 25 C	3
312	Beryllium hydroxide	13327-32-7	S	138 dec					3
313	Beryllium nitrate	13597-99-4	S del	60	100-200 dec				3
314	Beryllium oxide	1304-56-9	S	2507	3900			3.025	3
315	Betaine, anhydrous; (Glycine betaine)	107-43-7	S	>300 dec					2
316	Bicyclo(2.2.1)heptane-2-carbonitrile, 5-chloro-6-((((methylamino)carbonyl)oxy)Imino)-, (Is-(1-alpha,2-beta,4-alpha,5-alpha,6E))-.	15271-41-7	S						3
317	Bioxirane, 2,2-; (1,2:3,4-Diepoxybutane)	1464-53-5	L	19	142	16	25	1.113 @ 18 C	3
318	Biphenylol, 4-	92-69-3	S	164-165	305-308			1.27	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
319	Biphenylol, sodium salt, 2-;	132-27-4	BGJ750	192.20	mg/m³	Y	7.86	C12.H9.O.Na
320	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	N.I.S.	234.38	mg/m³	N	9.58	C16.H26.O
321	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	BFW750	220.39	mg/m³	Y	9.01	C15.H24.O
322	Bis(1-methylethyl)benzene, 1,4-; (p- or 1,4-Diisopropylbenzene)	100-18-5	DNN830	162.30	mg/m³	N	6.63	C12.H18
323	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	DNN709	162.30	mg/m³	Y	6.63	C12.H18
324	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	BOS100	202.28	mg/m³	Y	8.27	C1.0.H18.O4
325	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	DDW200	218.38	ppm	Y	8.93	C12.H26.O3
326	Bis(2-chlorethylthioethyl) ether; (2-2'-Di(3-chloroethylthio)diethyl ether	63918-89-8	DFK200	263.26	mg/m³	N	10.76	C8.H16.Cl2O.S2
327	Bis(2-Chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	TKL500	187.08	mg/m³	Y	7.646	C6.H12.Cl2.O2
328	**Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)**	**505-60-2**	BIH250	159.08	ppm	Y	6.50	C4.H8.Cl2.S
329	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8	SCB500	219.20	mg/m³	Y	8.96	C6.H12.Cl2.S2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
319	Biphenylol, sodium salt, 2-;	132-27-4	S						3
320	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	S	44	272				
321	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	S	68	265			1.048 @ 20 C	2
322	Bis(1-methylethyl)benzene, 1,4-; (p- or 1,4-Diisopropylbenzene)	100-18-5	S	64	210			0.8568 @ 20 C	2
323	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	L		205	0.25-0.39	25	0.9	1
324	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	L		266			1.049	2
325	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	L	-60-2	256			0.8853 @ 20C	2
326	Bis(2-chlorethylthioethyl) ether; (2-2'-Di(3-chloroethylthio)diethyl ether	63918-89-8	L?						3
327	Bis(2-Chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	L	-31.5	241.3	0.06	20	1.197	3
328	**Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)**	**505-60-2**	L	13-14	215-217	0.09	30	1.2741	3
329	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8							3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
330	Bis(2-chloroethylthio)methane	63869-13-6	N.I.S., etc.	205.16	mg/m³	Y	8.39	C5.H10.Cl2.S2
331	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7	N.I.S., etc.	247.24	mg/m³	Y	10.11	C8.H16.Cl2.S2
332	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8	N.I.S., etc.	261.27	mg/m³	Y	10.68	C9.H18.Cl2.S2
333	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2	N.I.S., etc.	233.21	mg/m³	Y	9.53	C7.H14.Cl2.S2
334	Bis(2-chloroethylthiomethyl)ether	63918-90-1	N.I.S., etc.	235.19	mg/m³	Y	9.61	C6.H12.Cl2.O.S2
335	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	DIW800	162.26	mg/m³	Y	6.63	C8.H18.O3
336	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	BJR750	322.48	mg/m³	Y	13.18	C16.H35.O4.P
337	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	BJR625	398.58	mg/m³	N	16.29	C22.H39.O4.P
338	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	BKE500	287.50	ppm	Y	11.75	C16.H33.N.O3
339	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	N.I.S.	310.43	mg/m³	N	12.69	C24.H22
340	Bis(3-tert-butyl-4-hydroxy-6-methyl-phenyl) sulfide	96-69-5	TFC600	358.54	mg/m³	N	14.65	C22.H30.O2.S

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
330	Bis(2-chloroethylthio)methane	63869-13-6							
331	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7							
332	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8							
333	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2							
334	Bis(2-chloroethylthiomethyl)ether	63918-90-1							
335	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	L	-44	189			0.9082	3
336	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	L		155.02			0.97525	3
337	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	S						3
338	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	S	36.7					2
339	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	S	180					
340	Bis(3-tert-butyl-4-hydroxy-6-methyl-phenyl) sulfide	96-69-5	S	150				1.10	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
341	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	BIK250	126.97	mg/m³	Y	5.19	C3.H4.Cl2O
342	Bis(chloromethyl)oxetane, 3,3-	78-71-7	BIK325	155.03	mg/m³	N	6.34	C5.H8.Cl2O
343	Bis(Dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	BJF000	265.39	mg/m³	N	10.85	C17.H19.N3
344	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	BLO270	214.11	mg/m³	N	8.75	C8.H4.O6
345	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	N.I.S. etc.	282.34	mg/m³	N	11.54	C11.H26.N2.O6
346	Bis[(benzo-15crown-5)-15-ylmethyl] pimelate	69271-98-3	N.I.S. etc.		mg/m³	N		(Unknown)
347	Bisbutenylenetetrahydrofurfural; (2,3,4,5-bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	BHJ500	204.29	mg/m³	N	8.35	C13.H16.O2
348	Bismuth	7440-69-9	BKU750	208.98	mg/m³	N	8.54	Bi
349	Bismuth acetate	22306-37-2	N.I.S.	386.11	mg/m³	N	15.78	Bi.C6.H9.O6
350	Bismuth germanate	12233-73-7	BKV750	297.59	mg/m³	N	12.16	Bi.Ge.O
351	Bismuth hydroxide	10361-43-0	N.I.S.	260.00	mg/m³	N	10.63	Bi.(O.H)3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
341	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	S	45	173			1.3826 @ 46 C	3
342	Bis(chloromethyl)oxetane, 3,3-	78-71-7	L	18.7	200	0.5	25	1.295 @ 25 C	3
343	Bis(Dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	S	180-181					3
344	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	L		116			1.378	3
345	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	S	164					
346	Bis[(benzo-15crown-5)-15-ylmethyl] pimelate	69271-98-3	S						
347	Bisbutenylenetetrahydrofurfural; (2,3,4,5-bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	L	-80	307			1.10 @ 20C	2
348	Bismuth	7440-69-9	S	271.3	1420-1560	1	1021	9.8	3
349	Bismuth acetate	22306-37-2	S	250					
350	Bismuth germanate	12233-73-7							3
351	Bismuth hydroxide	10361-43-0	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
352	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	BKW100	1462.03	mg/m³	Y	59.76	Bi5.H9.N4.O22
353	Bismuth iodide	7787-64-6	N.I.S.	589.69	mg/m³	Y	24.10	Bi.I3
354	Bismuth nitrate	10361-44-1	BKW250	395.01	mg/m³	N	16.14	Bi.N3.O9
355	Bismuth oxide	1304-76-3	BKW600	465.96	mg/m³	N	19.04	Bi2.O3
356	Bismuth oxychloride	7787-59-9	N.I.S.	260.43	mg/m³	Y	10.64	Bi.O.Cl
357	Bismuth(III) nitrate, pentahydrate	10035-06-0	N.I.S.	485.07	mg/m³	N	19.83	Bi.H10.N3.O14
358	Bisphenol A	80-05-7	BLD500	228.31	mg/m³	N	9.33	(C.H3)2..C.(C6.H4.O.H)2
359	Bisphenol A diglycidyl ether	1675-54-3	BLD750	340.45	mg/m³	Y	13.91	C21H24O4
360	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	PFA500	192.26	mg/m³	N	7.86	C8.H4.N2.S2
361	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b)	z-0110	N,I,S, etc.	1149.516	mg/m³	N	46.98	C72.H92.O12
362	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	MPL250	75.98	ppm	Y	3.105	C2.H6.S..B.H3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
352	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	L (?)						1
353	Bismuth iodide	7787-64-6	S	408	ca. 500			5.778	
354	Bismuth nitrate	10361-44-1	S	30	80 dec			2.83	3
355	Bismuth oxide	1304-76-3	S						1
356	Bismuth oxychloride	7787-59-9	S		dec			7.7 @ 20C	
357	Bismuth(III) nitrate, pentahydrate	10035-06-0	S	30 dec.				2.83	
358	Bisphenol A	80-05-7	S						3
359	Bisphenol A diglycidyl ether	1675-54-3	L					1.16 @ 20C	3
360	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	S	132					3
361	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b)	z-0110	S	80					
362	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	L	-27	~34			0.789	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
363	Borane-tetrahydrofuran	14044-65-6	BMB300	85.93	mg/m³	Y	3.51	B.H3 - C4.H8.O
364	Borate	14213-97-9	N.I.S.etc.	58.81	mg/m³	N	2.40	B.O3
365	Boric acid	10043-35-3	BMC000	61.84	mg/m³	Y	2.53	BH3O3
366	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	THX750	230.20	ppm	Y	9.41	C12.H27.B.O3
367	Boron	7440-42-8	BMD500	10.81	mg/m³	N	0.44	B
368	Boron carbide	12069-32-8	N.I.S.	55.30	mg/m³	N	2.26	B4C
369	Boron nitride	10043-11-5	N.I.S.	24.82	mg/m³	N	1.01	B.N
370	Boron oxide	1303-86-2	BMG000	69.62	mg/m³	N	2.85	B2.O3
371	Boron tribromide	10294-33-4	BMG400	250.54	ppm	Y	10.24	B.Br3
372	Boron trichloride	10294-34-5	BMG500	117.16	ppm	Y	4.79	B.Cl3
373	**Boron trifluoride**	**7637-07-2**	BMG700	67.81	mg/m³	Y	2.77	B.F3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
363	Borane-tetrahydrofuran	14044-65-6	L		> 69			0.898	
364	Borate	14213-97-9	S						
365	Boric acid	10043-35-3	S	185 dec				1.435	3
366	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	L	<-70	230			0.847 @ 20C	3
367	Boron	7440-42-8	S	2190	3660			2.45	3
368	Boron carbide	12069-32-8	S	2350	3500	~0	20		
369	Boron nitride	10043-11-5	S	2966				2.18	
370	Boron oxide	1303-86-2	S	450	2250			2.46	2
371	Boron tribromide	10294-33-4	L	-46	91.3	40	14	2.650 @0C	3
372	Boron trichloride	10294-34-5	L	-107	12.5	760	12.7	1.349	3
373	**Boron trifluoride**	**7637-07-2**	G	-128.4	-100	760	25	2.99	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
374	Boron trifluoride etherate	109-63-7	BMH250	141.93	mg/m³	Y	5.80	C4.H10.B.F3.O
375	**Boron trifluoride-dimethyl ether**	**353-42-4**	BMH000	113.89	mg/m³	N	4.65	C2.H6.O..B.F3
376	Brij-35; (alpha-Dodecyl-omega-hydroxypolyoxy-ethylene)	900-29-2	DXY000		mg/m³	Y		(C2.H4.O)n..C12.H26.O
377	Brilliant blue	2650-18-2	FMU059	783.01	mg/m³	N	32.00	C37.H36.N2.O9.S3-2(N.H3)
378	Bromadiolone	28772-56-7	BMN000	527.11	mg/m³	N	21.54	C30.H23.Br.O4
379	**Bromine**	**7726-95-6**	BMP000	159.80	ppm	Y	6.53	Br2
380	Bromine chloride	13863-41-7	N.I.S.	115.36	mg/m³	N	4.71	Br.Cl
381	**Bromine pentafluoride**	**7789-30-2**	BMQ000	174.91	ppm	Y	7.15	Br.F5
382	**Bromine trifluoride**	**7787-71-5**	BMQ325	136.91	ppm	Y	5.60	Br.F3
383	Bromo acetic acid, methyl ester	96-32-2	MHR250	152.99	mg/m³	N	6.25	C3.H5.Br.O2
384	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	BNA325	241.49	mg/m³	Y	9.87	C5.H6.Br.Cl.N2.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
374	Boron trifluoride etherate	109-63-7	L	-58	126			1.3572 @ 20C	3
375	**Boron trifluoride-dimethyl ether**	**353-42-4**	L	-14	126-127	20	25	1.239	3
376	Brij-35; (alpha-Dodecyl-omega-hydroxypolyoxy-ethylene)	900-29-2	L	40-42				1.02 @ 20C	3
377	Brilliant blue	2650-18-2	S						3
378	Bromadiolone	28772-56-7	S	200-210					3
379	**Bromine**	**7726-95-6**	L	-7.2	59.4	172	20	2.928	3
380	Bromine chloride	13863-41-7	S						
381	**Bromine pentafluoride**	**7789-30-2**	L fuming	-60.5	40.5	328	20	2.466 @ 25 C	3
382	**Bromine trifluoride**	**7787-71-5**	L	8.8	127	18	39	2.84	3
383	Bromo acetic acid, methyl ester	96-32-2	L		145			1.616	3
384	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	S						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
385	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (Halon 1301 1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	TJY000	197.39	ppm	N	8.07	C2.H.Br.Cl.F3
386	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2	BNA300	241.49	mg/m³	N	9.87	C5.H6.Br.Cl.O2.N2
387	Bromo-3-methylbutane, 1-	107-82-4	BNP250	151.05	ppm	N	6.174	C5.H11.Br
388	Bromoacetaldehyde diethyl acetul	2032-35-1	N.I.S.	197.07	mg/m³	N	8.055	C6.H13.Br.O2
389	Bromoacetic acid	79-08-3	BMR750	138.96	mg/m³	Y	5.679	C2.H3.O2.Br
390	Bromoacetone	598-31-2	BNZ000	136.99	ppm	N	5.60	C3.H5.Br.O
391	Bromoanisole, 99, 3-	2398-37-0	N.I.S.	187.03	mg/m³	N	7.644	C7.H7.Br. O
392	Bromobenzene; (Phenyl bromide)	108-86-1	PEO500	157.02	ppm	Y	6.42	C6.H5.Br
393	Bromochlorobenzene, m-	108-37-2	N.I.S.	191.46	mg/m³	N	7.83	C6.H4.Br.Cl
394	Bromochlorobenzene, p-	106-39-8	N.I.S.	191.46	mg/m³	N	7.83	C6.H4.Br.Cl
395	Bromochloromethane	74-97-5	CES650	129.39	ppm	N	5.29	C.H2.Br.Cl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
385	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (Halon 1301 1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	G	-168	-57.8	>760	20		1
386	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2	S	160					2
387	Bromo-3-methylbutane, 1-	107-82-4	L	-112	120-121			1.207	3
388	Bromoacetaldehyde diethyl acetul	2032-35-1	S		170-172			1.31	2
389	Bromoacetic acid	79-08-3	S hygr	50	208				3
390	Bromoacetone	598-31-2	G	-36.5	138	9	20	1.634	3
391	Bromoanisole, 99, 3-	2398-37-0	S		211			1.49	
392	Bromobenzene; (Phenyl bromide)	108-86-1	L	-30.5	156.6	10	40	1.499	3
393	Bromochlorobenzene, m-	108-37-2	L?						
394	Bromochlorobenzene, p-	106-39-8	L?						
395	Bromochloromethane	74-97-5	L	-88	67.8			1.93	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
396	Bromocresol green	76-60-8	N.I.S.	698.05	mg/m³	N	28.53	C21.H14.Br4.O5.S
397	Bromocresol purple	115-40-2	N.I.S.	540.22	mg/m³	N	22.08	C21.H16.Br2.O5.S
398	Bromocyclohexanol, Cis-2-	16536-57-5	N.I.S. etc.	179.06	ppm	N	7.32	C6.H11.Br.O
399	Bromodecane, 1-	112-29-8	BNB800	221.22	ppm	N	9.042	C10.H21.Br
400	Bromodichloromethane	75-27-4	BND500	163.83	mg/m³	N	6.70	C.H.Br.Cl2
401	Bromododecane, 1-	143-15-7	N.I.S.	249.23	mg/m³	Y	10.186	C12.H25.Br
402	Bromoethane	74-96-4	EGV400	108.98	ppm	Y	4.45	C2.H5.Br
403	Bromoethanol, 2- (ethylene bromohydrin)	540-51-2	BNI500	124.98	mg/m³	N	5.108	C2.H5.Br.O
404	Bromoethylmagnesium	925-90-6	N.I.S.	133.27	mg/m³	N	5.447	C.H3.C.H2.Mg.Br
405	Bromofluorobenzene, 4-; (p-fluorobromobenzene)	460-00-4	N.I.S.	175.01	mg/m³	N	7.153	C6.H4.Br.F
406	Bromoform; (Tribromomethane)	75-25-2	BNL000	252.75	ppm	Y	10.33	C.H.Br3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
396	Bromocresol green	76-60-8	S						
397	Bromocresol purple	115-40-2							
398	Bromocyclohexanol, Cis-2-	16536-57-5						1.4604 @ 20 C	
399	Bromodecane, 1-	112-29-8	L	-29.2	240.6			1.0702 @ 20C	2
400	Bromodichloromethane	75-27-4	L	-57.1	88.5			1.971	3
401	Bromododecane, 1-	143-15-7	L	-11 to -9	145 @ 15			1.038	2
402	Bromoethane	74-96-4	L	-119	38.4	400	21	1.451 @ 20C	3
403	Bromoethanol, 2- (ethylene bromohydrin)	540-51-2	L		150			1.7629 @ 20	3
404	Bromoethylmagnesium	925-90-6	S					1.02	3
405	Bromofluorobenzene, 4-; (p-fluorobromobenzene)	460-00-4	L	-17.4	151.5			1.593 @ 15C	
406	Bromoform; (Tribromomethane)	75-25-2	L	8.3	149.4	5	20	2.887	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
407	Bromohexane; (n-Hexyl bromide)	111-25-1	HFM500	165.10	ppm	N	6.748	C6.H13.Br
408	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	N.I.S.	199.09	mg/m³	N	8.137	C9.H11.Br
409	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	N,I,S,	167.00	mg/m³	Y	6.826	C4.H7.Br.O2
410	Bromonaphthalene	90-11-9	BNS200	207.08	mg/m³	N	8.46	C10.H7.Br
411	Bromonitromethane	563-70-2	N.I.S.	139.95	mg/m³	N	5.720	Br.C.H2.N.O2
412	Bromooctane, 1-; (Octyl bromide)	111-83-1	BNU000	193.16	ppm	N	7.895	C8.H17.Br
413	Bromophenol blue	115-39-9	N.I.S.	669.99	mg/m³	N	27.383	C19.H10.Br4.O5.S
414	Bromophenyl phenyl ether, 4-	101-55-3	N.I.S	249.11	mg/m³	N	10.18	C12.H9.Br.O
415	Bromopropane, 1-	106-94-5	BNX750	123.01	ppm	N	5.03	Br.C3.H7
416	Bromopropane, 2-	75-26-3	BNY000	122.98	ppm	N	5.03	C3.H7.Br
417	Bromopyrene, 3-	1714-29-0	N.I.S. etc.	281.15	mg/m³	N	11.49	C16.H9.Br

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
407	Bromohexane; (n-Hexyl bromide)	111-25-1	L	-84.7	155.3			1.1744 @ 20C	2
408	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	L	-1	225			1.301	
409	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	L		80-82 @ 27 mm			1.613	2
410	Bromonaphthalene	90-11-9	S						2
411	Bromonitromethane	563-70-2	L		146-148			2.007	2
412	Bromooctane, 1-; (Octyl bromide)	111-83-1	L	-55	201.5			1.11	1
413	Bromophenol blue	115-39-9	S	279 dec					
414	Bromophenyl phenyl ether, 4-	101-55-3	L	18.72	310.1	0.0015	20	1.6088 @ 20 C	
415	Bromopropane, 1-	106-94-5	L	-110	71	110.8	18	1.35	3
416	Bromopropane, 2-	75-26-3	L	-89	59.35	216	25	1.31 @ 20C	3
417	Bromopyrene, 3-	1714-29-0	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
418	Bromosuccinimide, N-	128-08-5	BOF500	178.00	mg/m³	Y	7.28	C4.H4.Br.N.O2
419	Bromothymol blue	76-59-5	N.I.S.	624.43	mg/m³	N	25.52	C27.H28.Br2.O5.S
420	Bromotoluene, A-; (Benzyl bromide)	100-39-0	BEC000	171.05	mg/m³	Y	6.99	C7.H7.Br
421	Bromotrichloromethane	75-62-7	BOH750	198.27	ppm	N	8.10	Br..C.Cl3
422	Bromotrifluoroethylene	598-73-2	BOJ000	160.94	ppm	N	6.58	F3.C2.Br
423	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	TJY100	148.92	ppm	Y	6.09	C.Br.F3
424	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	N.I.S.	153.09	mg/m³	Y	6.257	(C.H3)3.Si.Br
425	Brown menhaden fish oil	68440-42-6	N.I.S.		mg/m³	N		
426	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	BOL750	394.51	mg/m³	Y	16.12	C23.H26.N2.O4
427	Buffer	3418-02-5	N.I.S. etc.		mg/m³	N		
428	Buffer solution, aequeous	7732-18-5	WAT259	18.02	mg/m³	N	0.74	H2.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
418	Bromosuccinimide, N-	128-08-5	S	174				2.098	3
419	Bromothymol blue	76-59-5	S	201					
420	Bromotoluene, A-; (Benzyl bromide)	100-39-0	L	3	201	0.45	25	1.738	2
421	Bromotrichloromethane	75-62-7	L	-5.8	104.2	39	25	2.012	3
422	Bromotrifluoroethylene	598-73-2	G		-2.5				3
423	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	G	-168	-58	>760		1.58	1
424	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	L		79			1.16	3
425	Brown menhaden fish oil	68440-42-6							
426	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	S	178	470				3
427	Buffer	3418-02-5							
428	Buffer solution, aequeous	7732-18-5	L	0	100			1	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
429	**Butadiene,1,3-**	**106-99-0**	BOP500	54.10	ppm	Y	2.21	C.H2=C.H.C.H=C.H2
430	Butanaminium,N,N,N-tributyl bromide, 1-; (Tetrabutylammonium bromide)	1643-19-2	TBK500	322.44	mg/m³	N	13.18	C16.H36.N..Br
431	**Butane**	**106-97-8**	BOR500	58.14	ppm	N	2.38	C4.H10
432	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	SNB000	174.22	ppm	Y	7.12	C.8.H14.O4
433	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	SNB100	146.16	ppm	N	5.97	C6.H10.O4
434	Butanediol dinitrate, 1,4-	3457-91-8	N.I.S. etc.	180.00	ppm	N	7.36	[Unknown]
435	Butanediol, 1,3-	107-88-0	107-88-0	90.18	mg/m³	Y	3.69	C4.H10.O2
436	Butanediol, 1,4-; (1,4-Tetramethylene glycol; TMA)	110-63-4	BOS750	90.14	mg/m³	N	3.68	C4.H10.O
437	Butanedione, 2,3-	431-03-8	BOT500	86.10	mg/m³	Y	3.519	C.H3.C.O..C.O.C.H3
438	Butanenitrile; (Butyronitrile)	109-74-0	BSX250	69.12	ppm	N	2.83	C4.H7.N
439	Butanephosphonic acid	3321-64-0	N.I.S. etc.	138.10	mg/m³	N	5.64	C4.H11.O3.P

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
429	**Butadiene,1,3-**	**106-99-0**	G	-108.9	-4.4	>760		0.621	3
430	Butanaminium,N,N,N-tributyl bromide, 1-; (Tetrabutylammonium bromide)	1643-19-2	S	102-104					D
431	**Butane**	**106-97-8**	G	-135	-0.5	1520	18.8	0.599	3
432	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	L	-21	217.7				2
433	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	L	19.5	195.3			1.1202 @ 18 C	1
434	Butanediol dinitrate, 1,4-	3457-91-8							
435	Butanediol, 1,3-	107-88-0	L	<-50	207.5	0.06	20	1.006 @ 20C	1
436	Butanediol, 1,4-; (1,4-Tetramethylene glycol; TMA)	110-63-4	L	16	230	0.0105	25	3.1	3
437	Butanedione, 2,3-	431-03-8	L	-2.4	88	56.8	25	0.990 @ 15	3
438	Butanenitrile; (Butyronitrile)	109-74-0	L	-112.6	117	19.5	25	0.796 @ 15 C	3
439	Butanephosphonic acid	3321-64-0							

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
440	Butanethiol; (n-Butyl mercaptan)	109-79-5	BRR900	90.20	ppm	Y	3.69	C4.H10.S
441	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	BQM500	144.24	ppm	Y	5.90	C8.H16.O2
442	Butanol, aluminum salt, 2-	2269-22-9	N.I.S.	246.32	mg/m³	N	10.07	C12.H27.Al.O3
443	Butanol, N-(d10)	34193-38-9	N.I.S. etc.	84.18	ppm	Y	3.441	C.D3.(C.D2)2.C.D2.O.D
444	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	EMU500	87.14	ppm	Y	3.56	C.H3..C.(N.O.H)..C.H2.. C.H3
445	**Butanone, 2-; (Methyl ethyl ketone; MEK)**	**78-93-3**	MKA400	72.12	ppm	Y	2.95	C.H3.C.O.C.H2.C.H3
446	Butene, 1-; (Butylene)	106-98-9	BOW250	56.11	ppm	N	2.29	C4.H8
447	Butene, 2-	107-01-7	BOW255	56.11	ppm	N	2.29	C4.H8
448	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	N.I.S.	56.11	ppm	N	2.29	C4.H8
449	Butene, trans-2-; (Trans-1,2-dimethylethylene)	624-64-6	N.I.S.	56.11	ppm	Y	2.29	C4.H8
450	Butoxyethanol acetate, 2-; (Ethylene glycol monobuty ether acetate)	112-07-2	BPM000	160.24	ppm	N	6.55	C8.H16.O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
440	Butanethiol; (n-Butyl mercaptan)	109-79-5	L	-116	98			0.8365	3
441	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	L		166			0.872 @ 20 C	3
442	Butanol, aluminum salt, 2-	2269-22-9	L		197 @ 20C				
443	Butanol, N-(d10)	34193-38-9	L	-90	117.7	4	20	0.92	2
444	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	L	-29.5	152			0.932	3
445	**Butanone, 2-; (Methyl ethyl ketone; MEK)**	**78-93-3**	L	-86.4	79.6	71	20	0.80615	3
446	Butene, 1-; (Butylene)	106-98-9	G	-185.3	-6.3	3480	21	0.668 @ 0 C	3
447	Butene, 2-	107-01-7	G			>760	25		2
448	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	G	-138.9	3.7	1600	25	0.616	
449	Butene, trans-2-; (Trans-1,2-dimethylethylene)	624-64-6	G	-105.5	0.8	1750	25	0.599 @ 25 C	
450	Butoxyethanol acetate, 2-; (Ethylene glycol monobuty ether acetate)	112-07-2	L	-63.5	192.3	0.3		0.9424	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
451	Butoxyethanol phosphate, 2-	78-51-3	BPK250	398.54	mg/m³	Y	16.29	C18.H39.O7.P
452	Butoxyethanol, 2-; (Glycol ether EB; Xtraction II)	111-76-2	BPJ850	118.20	ppm	Y	4.83	C6.H14.O2
453	Butoxyethoxy)-ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	DJF200	162.26	mg/m³	Y	6.63	C8.H18.O3
454	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	BPL250	203.33	mg/m³	N	8.31	C9.H17.N.O2.S
455	Butoxypolypropylene glycol	9003-13-8	BRP250	2600.00	mg/m³	Y	106.27	(C3.H6.O)n.C4.H10.O
456	**Butyl acetate, n-**	**123-86-4**	BPU750	116.18	ppm	Y	4.75	C6.H12.O2
457	Butyl acetate, sec-	105-46-4	BPV000	116.18	ppm	Y	4.75	C6.H12.O2
458	Butyl acetate, tert-	540-88-5	BPV100	116.18	ppm	N	4.75	C6H12O2
459	Butyl acetoacetate, tert-	1694-31-1	N.I.S.	158.20	mg/m³	N	6.47	C8.H14.O3
460	**Butyl acrylate, n-**	**141-32-2**	BPW100	128.19	ppm	Y	5.24	C.H2.C.H..C.O.O.H.C4.H9
461	Butyl alcohol, n-	71-36-3	BPW500	74.14	ppm	Y	3.03	C4.H10.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
451	Butoxyethanol phosphate, 2-	78-51-3	L	-70	200-230	0.03	150	1.02 @ 20C	3
452	Butoxyethanol, 2-; (Glycol ether EB; Xtraction II)	111-76-2	L	-74.8	171-172	0.8		0.9012	3
453	Butoxyethoxy)-ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	L	-68.1	230.6	0.02	20	0.9553	2
454	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	L		120-125 @ 0.25mm				3
455	Butoxypolypropylene glycol	9003-13-8	L	-48				0.990 @ 25 C	1
456	**Butyl acetate, n-**	**123-86-4**	L	-77	126	15	25	0.88	3
457	Butyl acetate, sec-	105-46-4	L	-98.9	112	17	20	0.862-0.866 @ 20 C	3
458	Butyl acetate, tert-	540-88-5	L		97.8	47	25	0.8593 @ 25 C	
459	Butyl acetoacetate, tert-	1694-31-1	L					0.954	
460	**Butyl acrylate, n-**	**141-32-2**	L	-69	~148	3.2	20	0.89	3
461	Butyl alcohol, n-	71-36-3	L	-88.9	117.5	5.5	20	0.80978	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
462	Butyl alcohol, sec-; (2-Butanol)	78-92-2	BPW750	74.14	ppm	Y	3.03	C4.H10.O
463	Butyl bis(2-ethylhexyl)phosphate	z-0002	N.I.S. etc.	378.53	ppm	N	15.47	[Unknown]
464	Butyl bromide, n-; (1-Bromobutane)	109-65-9	BMX500	137.04	ppm	N	5.601	C4.H9.Br
465	Butyl chloroformate, n-	592-34-7	N.I.S.	136.58	ppm	Y	5.58	C5.H9.Cl.O2
466	Butyl chloroformate, sec-	17462-58-7	N.I.S.	136.58	ppm	Y	5.58	C5.H9.Cl.O2
467	Butyl ether, n-; (Dibutyl ether)	142-96-1	BRH750	130.26	ppm	Y	5.32	C8.H18.O
468	Butyl glycidyl ether, n-	2426-08-6	BRK750	130.21	ppm	Y	5.32	C4.H9O.H2.C.H.O.C.H2
469	**Butyl isocyanate, n-**	**111-36-4**	BRQ500	99.15	ppm	Y	4.05	C4.H9.N.C.O
470	Butyl isocyanate, Tert-	1609-86-5	N.I.S.	99.13	mg/m³	N	4.052	C5.H9.N.O
471	Butyl levulinate	2052-15-5	BRR700	172.25	mg/m³	N	7.040	C9.H16.O3
472	Butyl lithium	109-72-8	BRR739	64.06	mg/m³	Y	2.62	C4.H9.Li

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
462	Butyl alcohol, sec-; (2-Butanol)	78-92-2	L	-89	99.5	10	20	0.808 @ 20C	3
463	Butyl bis(2-ethylhexyl)phosphate	z-0002							
464	Butyl bromide, n-; (1-Bromobutane)	109-65-9	L	-112.3	101.3	41.97	25	1.2586	3
465	Butyl chloroformate, n-	592-34-7	L		142			1.074	
466	Butyl chloroformate, sec-	17462-58-7	L					1.074	
467	Butyl ether, n-; (Dibutyl ether)	142-96-1	L	-98	142	6.01	25	0.7689	3
468	Butyl glycidyl ether, n-	2426-08-6	L		164	3.2	25		2
469	**Butyl isocyanate, n-**	**111-36-4**	L		115	17	24	0.88	3
470	Butyl isocyanate, Tert-	1609-86-5	S	85.5				0.8670 @ 7	3
471	Butyl levulinate	2052-15-5	S		237.5			0.9735 @ 20	1
472	Butyl lithium	109-72-8	L	-76				0.765	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
473	Butyl methyl-d3 ether, tert-	29366-08-3	N.I.S., etc.	91.16	ppm	N	3.726	C5.D3.H9.O
474	Butyl perbenzoate, tert-	614-45-9	BSC500	194.25	mg/m³	Y	7.94	C11.H14.O3
475	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	BSJ500	130.20	mg/m³	Y	5.32	C7.H14.O2
476	Butyl-2-methylcyclopropane, T-1-	38851-70-6	N.I.S. etc.		mg/m³	N		(Unknown)
477	Butyl-3-iodo-2-propynyl ester carbamic acid	55406-53-6	N.I.S.	281.11	mg/m³	N	11.49	C8H12INO2
478	Butylamine, (S)-sec-	513-49-5	BPY100	73.16	ppm	Y	2.99	C4.H11.N
479	Butylamine, n-	109-73-9	BPX750	73.16	ppm	Y	2.99	C4.H11.N
480	Butylamine, sec-	13952-84-6	BPY000	73.16	ppm	Y	2.99	C4H11N
481	Butylamine, tert-	75-64-9	BPY250	73.16	ppm	Y	2.99	C4.H11.N
482	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	BQI750	134.24	ppm	Y	5.49	C6.H5.C4.H9
483	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	BQJ000	134.24	ppm	Y	5.49	C6.H5.C.(C.H3).C2.H5

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
473	Butyl methyl-d3 ether, tert-	29366-08-3	L						
474	Butyl perbenzoate, tert-	614-45-9	L	8	112	0.33	50	1	3
475	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	L	-89.6	145.4			0.893 @ 0 C	3
476	Butyl-2-methylcyclopropane, T-1-	38851-70-6	L						
477	Butyl-3-iodo-2-propynyl ester carbamic acid	55406-53-6	S						
478	Butylamine, (S)-sec-	513-49-5	L	-104	63	178	25	0.724 @ 20 C	3
479	Butylamine, n-	109-73-9	L	-50	78	92.9	25	0.7327 @ 20 C	3
480	Butylamine, sec-	13952-84-6	L	-104	63	178	25	0.724 @ 20 C	3
481	Butylamine, tert-	75-64-9	L	-67.5	46.4	372	25	0.7	3
482	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	L	-87.9	183.1	1	22.7	1.489	1
483	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	L	-75.68	170.65	1	18.6	0.8621	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
484	Butylbenzene, tert-	98-06-6	BQJ250	134.24	ppm	Y	5.49	C6.H.5.C.(C.H3)3
485	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	N.I.S.	140.27	ppm	N	5.73	C6.H11.(C.H2)3..C.H3
486	Butylcyclohexanone, p-tert-	98-53-3	BQW250	154.28	mg/m³	Y	6.31	C10.H18.O
487	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8	BOT200	116.13	mg/m³	N	4.746	C5.H8.O3
488	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	BSK000	166.24	mg/m³	Y	6.79	C10.H14.O2
489	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	BST500	86.10	mg/m³	N	3.52	C4.H6.O2
490	Butyraldehyde	123-72-8	BSU250	72.12	ppm	Y	2.95	C4.H8.O
491	Butyric acid	107-92-6	BSW000	88.12	ppm	Y	3.60	C4.H8.O2
492	Butyric acid, sodium salt	156-54-7	SFN600	111.11	mg/m³	N	4.54	C4.H8.O2..Na
493	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1	CHP500	444.49	mg/m³	N	18.167	C17.H12.Cl.N2.O4.S..1/2 Ba
494	C-18 Unsarturated fatty acid, dimers, reaction products with polyethylenepolyamines; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1	N.I.S.		mg/m³	N		(Unspecified)

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
484	Butylbenzene, tert-	98-06-6	L	-57.8	169.1	1	13	0.866	3
485	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	L		101	2.9	37.7	0.8	
486	Butylcyclohexanone, p-tert-	98-53-3	S	49-50	90-92 @ 9mm				1
487	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8							1
488	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	S	52	285	0.0028	25	1.0496	3
489	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	S	57	238				3
490	Butyraldehyde	123-72-8	L	-100	74.7			0.7988	3
491	Butyric acid	107-92-6	L	-7.9	163.5	0.43	20	0.959	2
492	Butyric acid, sodium salt	156-54-7	S hygr.	250-253				0.96	D
493	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1	S	343-345				1.66	2
494	C-18 Unsarturated fatty acid, dimers, reaction products with polyethylenepolyamines; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1	L					0.97	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
495	Cacodylic acid	75-60-5	HKC000	138.01	mg/m³	N	5.64	(C.H3)2.As..O.O.H
496	Cadmium & compounds	7440-43-9	CAD000	112.40	mg/m³	N	4.59	Cd
497	Cadmium bromide	7789-42-6	CAD600	272.22	mg/m³	N	11.13	Cd.Br2
498	Cadmium carbonate	513-78-0	CAD800	172.41	mg/m³	N	7.05	Cd.C.O3
499	Cadmium chloride	10108-64-2	CAE250	183.30	mg/m³	N	7.49	Cd.Cl2
500	Cadmium chloride hemipentahydrate; (Cadmium chloride, 2.5-hydrate)	7790-78-5	CAE425	456.71	mg/m³	N	18.67	Cd2.Cl4.H10.O5
501	Cadmium fluoride	7790-79-6	CAG250	150.40	mg/m³	N	6.15	Cd.F2
502	Cadmium hydroxide	21041-95-2	CAG525	146.42	mg/m³	N	5.98	Cd.H2.O2
503	Cadmium nitrate	10325-94-7	CAH000	236.42	mg/m³	N	9.66	Cd.N2.O6
504	Cadmium nitrate tetrahydrate	10022-68-1	CAH250	308.50	mg/m³	Y	12.61	N2.O6.Cd.4 H2.O
505	Cadmium nitrite	z-0003	N.I.S. etc.	204.41	mg/m³	N	8.35	Cd.(N.O2)2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
495	Cacodylic acid	75-60-5	S	192					3
496	Cadmium & compounds	7440-43-9	S	320.9	767	~0	20	8.642	3
497	Cadmium bromide	7789-42-6	S	570	863			5.192	3
498	Cadmium carbonate	513-78-0	S						3
499	Cadmium chloride	10108-64-2	S	568	969.6	10	656	4.047656	3
500	Cadmium chloride hemipentahydrate; (Cadmium chloride, 2.5-hydrate)	7790-78-5	S	568				3.327	3
501	Cadmium fluoride	7790-79-6	S	1078	1748	1	1112	6.64	3
502	Cadmium hydroxide	21041-95-2	S	580 dec	dec			2.343	3
503	Cadmium nitrate	10325-94-7	S	350-360				2.455	3
504	Cadmium nitrate tetrahydrate	10022-68-1	S	59.4					3
505	Cadmium nitrite	z-0003	S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
506	Cadmium oxide	1306-19-0	CAH500	128.40	mg/m³	N	5.25	Cd.O
507	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	OAT000	681.48	mg/m³	N	27.85	Cd.C36.H72.O4
508	Cadmium sulfate	10124-36-4	CAJ000	208.64	mg/m³	N	8.53	O4.S..Cd
509	Cadmium sulfate, hydrate	7790-84-3	CAJ250	352.59	mg/m³	N	14.41	Cd.H16.O12.S
510	Cadmium sulfide	1306-23-6	CAJ750	144.46	mg/m³	N	5.90	Cd.S
511	Cadmium tungstate	7790-85-4	N.I.S.	360.26	mg/m³	N	14.72	Cd.W.O4
512	Cadmium(II) acetate	543-90-8	CAD250	116.25	mg/m³	N	4.75	C2.H4.O2..1/2Cd
513	Calcium	7440-70-2	CAL250	40.08	mg/m³	N	1.64	Ca
514	Calcium acetate	62-54-4	CAL750	158.18	mg/m³	N	6.47	C4.H6.O4..Ca
515	Calcium arsenate	7778-44-1	ARB750	398.08	mg/m³	N	16.27	As2.O8.3 Ca
516	Calcium carbide	75-20-7	CAN750	64.10	mg/m³	N	2.62	Ca.C2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
506	Cadmium oxide	1306-19-0	S amor	<1426		1	1000	6.95	3
507	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	S						3
508	Cadmium sulfate	10124-36-4	S	1000				4.691	3
509	Cadmium sulfate, hydrate	7790-84-3	S	1000				4.691	3
510	Cadmium sulfide	1306-23-6	S	1750				4.83	3
511	Cadmium tungstate	7790-85-4	S						
512	Cadmium(II) acetate	543-90-8	S	256	dec			2.341	3
513	Calcium	7440-70-2						1.54	3
514	Calcium acetate	62-54-4	S					1.5	3
515	Calcium arsenate	7778-44-1	S	1.455				3.62	3
516	Calcium carbide	75-20-7	S	2300				2.222	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
517	Calcium carbonate; (Dolomite, Limestone)	1317-65-3	CAO000	100.09	mg/m³	N	4.09	Ca.C.O3
518	Calcium chloride	10043-52-4	CAO750	110.98	mg/m³	N	4.54	Ca.Cl2
519	Calcium chloride dihydrate	10035-04-8	N.I.S.	147.02	mg/m³	N	6.01	Ca.Cl2..2 H2.O
520	Calcium chloride hexahydrate	7774-34-7	N.I.S.	219.10	mg/m³	N	8.955	Ca.Cl2..6 H2.O
521	Calcium chloride hydrate	22691-02-7	N.I.S., etc.		mg/m³	N		Ca.Cl2..H2.O
522	Calcium chromate	13765-19-0	CAP500	156.08	mg/m³	N	6.38	Cr.O4..Ca
523	Calcium cyanamide	156-62-7	CAQ250	80.11	mg/m³	N	3.27	Ca.C.N2
524	Calcium fluoride	7789-75-5	CAS000	78.08	mg/m³	N	3.19	Ca.F2
525	Calcium formate	544-17-2	CAS250	130.12	mg/m³	Y	5.32	Ca.C2.H2.O4
526	Calcium hydride	7789-78-8	CAT200	42.24	mg/m³	N	1.73	Ca.H2
527	Calcium hydroxide	1305-62-0	CAT225	74.10	mg/m³	Y	3.03	Ca.H2.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
517	Calcium carbonate; (Dolomite, Limestone)	1317-65-3	S	825				2.7-2.95	1
518	Calcium chloride	10043-52-4	S	782	>1600			2.512	2
519	Calcium chloride dihydrate	10035-04-8	S	772	1670			2.152 @ 15 C	
520	Calcium chloride hexahydrate	7774-34-7	S	30				1.71	2
521	Calcium chloride hydrate	22691-02-7	S						
522	Calcium chromate	13765-19-0	S					2.89	3
523	Calcium cyanamide	156-62-7	S	1300	1500 subl			1.083	3
524	Calcium fluoride	7789-75-5	S	1418				3.18	2
525	Calcium formate	544-17-2	S						3
526	Calcium hydride	7789-78-8	S	816 in H2O	675dec			1.7	3
527	Calcium hydroxide	1305-62-0	S	580 dec				2.343	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
528	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	HOV500	142.98	mg/m³	Y	5.84	Cl2.O2.Ca
529	Calcium metasilicate	10101-39-0	N.I.S.	116.17	mg/m³	N	4.75	Ca.Si.O3
530	Calcium monohydrogen phosphate dihydrate	7789-77-7	CAT210	136.06	mg/m³	N	5.56	Ca.H.P.O4..2(H2.O)
531	Calcium nitrite	13780-06-8	N.I.S.	132.09	mg/m³	N	5.40	Ca.(N.O2)2
532	Calcium oxalate	563-72-4	N.I.S.	128.10	mg/m³	N	5.24	Ca.C2.O4
533	Calcium oxalate, hydrate	5794-28-5	N.I.S., etc.	146.11	mg/m³	N	5.97	Ca.C2.O4..H2.O
534	Calcium oxide	1305-78-8	CAU500	56.08	mg/m³	Y	2.29	Ca.O
535	Calcium phosphate tribasic	12167-74-7	CAW120	1004.64	mg/m³	N	41.06	10.(Ca.O)..3.(P2.O5)..H 2.O
536	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	N.I.S.	310.18	mg/m³	Y	12.68	Ca3.(P.O4)2
537	Calcium sulfate anhydrous; (Drierite)	7778-18-9a	CAX500	136.14	mg/m³	N	5.56	Ca.S.O4
538	Calcium sulfate; (Gypsum; Plaster of Paris)	7778-18-9b	CAX500	136.14	mg/m³	N	5.56	Ca.S.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
528	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	S	100	dec			2.35	3
529	Calcium metasilicate	10101-39-0	S						
530	Calcium monohydrogen phosphate dihydrate	7789-77-7	S	36				2.89	D
531	Calcium nitrite	13780-06-8	S						
532	Calcium oxalate	563-72-4	S						
533	Calcium oxalate, hydrate	5794-28-5	S	200 dec				2.12	
534	Calcium oxide	1305-78-8	S	2570	2850			3.37	3
535	Calcium phosphate tribasic	12167-74-7	S	1670				3.14 @ 20C	1
536	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	S					2.5 @ 20 C	
537	Calcium sulfate anhydrous; (Drierite)	7778-18-9a	S	1570				2.964	1
538	Calcium sulfate; (Gypsum; Plaster of Paris)	7778-18-9b	S	1570				2.964	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
539	Calcium(II) nitrate	10124-37-5	CAU000	164.10	mg/m³	N	6.71	Ca.(N.O3)2
540	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	CAU250	236.18	mg/m³	Y	9.65	N2.O6.Ca..4 H2.O
541	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	CAX750	172.18	mg/m³	N	7.04	Ca.S.O4..2 H2O
542	Camphor	76-22-2	CBA750	152.26	mg/m³	Y	6.22	C10.H16.O
543	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	N.I.S., etc.	232.30	mg/m³	N	9.494	C10.H16.O4.S
544	Cantharidin	56-25-7	CBE750	196.22	mg/m³	N	8.02	C10.H12.O4
545	Caprolactam (dust)	105-60-2	CBF700	115.18	mg/m³	Y	4.71	C6.H11.N.O
546	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	LAP000	114.16	mg/m³	N	4.666	C6.H10.O2
547	Caprylyl chloride; (Octanoyl chloride)	111-64-8	N.I.S.	162.68	mg/m³	N	6.65	C8.H15.Cl.O
548	CAPSO	73463-39-5	N.I.S. etc.	237.31	mg/m³	N	9.70	C9.H19.N.O4.S
549	Captan	133-06-2	CBG000	300.59	mg/m³	N	12.29	C9.H.8.Cl3.N.O2.S

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
539	Calcium(II) nitrate	10124-37-5	S	561	dec			2.36	3
540	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	S	43	dec			2.36	2
541	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	S	128	163			2.32	1
542	Camphor	76-22-2	S	180	204			0.992	3
543	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	L	198					2
544	Cantharidin	56-25-7	S	218	84 sublms	0.02	25		3
545	Caprolactam (dust)	105-60-2	S	69	139 @ 12 mm	6	120	1.05 70%sol	2
546	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	L	-1	215	0.01	20	1.0761 @ 20	2
547	Caprylyl chloride; (Octanoyl chloride)	111-64-8	L	-63	195.6	2.5	20	0.9535 @15C	
548	CAPSO	73463-39-5	S	270-274					
549	Captan	133-06-2	S	172-173				1.745	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
550	Carbachol Chloride	51-83-2	CBH250	182.68	mg/m³	N	7.47	C6.H15.N2.O2.Cl
551	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiola 2-yl)methylene)amino)-	26419-73-8	DRR000	234.36	mg/m³	N	9.58	C8.H14.N2.O2.S2
552	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde-o-(methylcarbamoyl)oxime, 2-)	116-06-3	CBM500	190.29	mg/m³	N	7.78	C7.H14.N2.O2.S
553	Carbaryl	63-25-2	CBM750	201.24	mg/m³	N	8.22	C12.H11.N.O2
554	Carbazole	86-74-8	CBN000	167.22	mg/m³	N	6.83	C12.H9.N
555	Carbazole violet	6358-30-1	N.I.S.	589.4794	mg/m³	N	24.09	C34.H22.C12.N4.O2
556	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	N.I.S. etc.	348.38	mg/m³	N	14.24	C22.H21.O2.P
557	Carbofuran	1563-66-2	CBS275	221.28	mg/m³	N	9.04	C12.H15.N.O3
558	Carbon black	1333-86-4	CBT750	12.00	mg/m³	N	0.49	C
559	Carbon dioxide	124-38-9	CBU250	44.01	ppm	Y	1.80	C.O2
560	**Carbon disulfide**	**75-15-0**	CBV500	76.13	ppm	Y	3.11	C.S2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
550	Carbachol Chloride	51-83-2	S	204-205					3
551	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiola 2-yl)methylene)amino)-	26419-73-8	S						3
552	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde-o-(methylcarbamoyl)oxime, 2-)	116-06-3	S	98-100		9.75E-05	20	1.105	3
553	Carbaryl	63-25-2	S	142				1.232	3
554	Carbazole	86-74-8	S	244.8	354.7	400	323	1.10 @18	3
555	Carbazole violet	6358-30-1	S						
556	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	S						3
557	Carbofuran	1563-66-2	S	150-152		0.00002	33	1.180 @ 20 C	3
558	Carbon black	1333-86-4	S						1
559	Carbon dioxide	124-38-9	G	-78.3 subl	subl	>760		1.53 gas	1
560	**Carbon disulfide**	**75-15-0**	L	-111.7	46.7	297	20	1.293	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
561	**Carbon monoxide**	**630-08-0**	CBW750	28.01	ppm	Y	1.14	C.O
562	**Carbon tetrachloride**	**56-23-5**	CBY000	153.81	ppm	Y	6.29	C.Cl4
563	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	CBY250	88.01	ppm	N	3.60	C.F4
564	Carbon trifluoride; (Trifluoromethane, Fluoroform)	75-46-7	CBY750	70.02	ppm	N	2.86	C.H.F3
565	Carbon; (Graphite, synthetic)	7440-44-0	CBT500	12.01	mg/m³	N	0.49	C
566	Carbonic acid, calcium salt	471-34-1	CAT775	100.09	mg/m³	Y	4.09	C.O3·Ca
567	Carbonyl fluoride	353-50-4	CCA500	66.01	ppm	Y	2.70	C.F2O
568	Carbonyl sulfide	463-58-1	CCC000	60.07	ppm	N	2.46	C.O.S
569	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	N.I.S.	322.23	mg/m³	N	13.17	C17.H6.O7
570	Carbophenothion; (Trithion)	786-19-6	TNP250	342.87	mg/m³	N	14.01	C11.H16.Cl.O2..P.S3
571	Carboxymethyl cellulose	9000-11-7	N.I.S.	76.05	mg/m³	N	3.11	(C2.H4.O3)x

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
561	**Carbon monoxide**	**630-08-0**	G	-205	-191.7	>760		1.25 gas @ 0 C	3
562	**Carbon tetrachloride**	**56-23-5**	L	-22.8	76.7	91	20	1.632	3
563	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	G	-183.6	-127.8			3.034	2
564	Carbon trifluoride; (Trifluoromethane, Fluoroform)	75-46-7	G	-163	-82.2	35300	25		2
565	Carbon; (Graphite, synthetic)	7440-44-0	S	3652-97 subl	~4200			2.25	1
566	Carbonic acid, calcium salt	471-34-1	S						1
567	Carbonyl fluoride	353-50-4	G	-114	-83	>760		1.139 @ 114C	3
568	Carbonyl sulfide	463-58-1	L	-138	49.9			1.24 liq	3
569	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	S	226					
570	Carbophenothion; (Trithion)	786-19-6	L		82@ 0.1 mm	0.0000003	20	1.29 @ 20 C	3
571	Carboxymethyl cellulose	9000-11-7	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
572	Carboxymethyl sepharose; (CM sepharose)	68894-07-5	N.I.S. etc.		mg/m³	N		
573	Casamino acids	z-0008	N.I.S.etc.		mg/m³	N		
574	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9	N.I.S.		mg/m³	N		
575	Castor oil	8001-79-4	CCP250		mg/m³	Y		[Unknown]
576	Catechol	120-80-9	CCP850	110.12	ppm	N	4.50	C6H6O2
577	Cation exchange resin 200-400 meshHyd.Dowex 50W X8	11119-67-8	N.I.S. etc.		mg/m³	N		
578	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5	N.I.S. etc.		mg/m³	N		
579	Cellulose	9004-34-6	CCU150	160000.00	mg/m³	N	6539.42	(C6H10O5)n
580	Cellulose acetate butanoate; (Celvacene)	9004-36-8	N.I.S.		mg/m³	N		C4.H8.O2..x C2.H4.O2
581	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7	N.I.S.		mg/m³	N		(C6.H15.N.O).x
582	Ceric ammonium nitrate	16774-21-3	N.I.S.	548.23	mg/m³	N	22.41	Ce.(N.H4)2.(N.O3)6

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
572	Carboxymethyl sepharose; (CM sepharose)	68894-07-5	S						2
573	Casamino acids	z-0008	L						
574	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9	L						
575	Castor oil	8001-79-4	L	-12	313			0.96	1
576	Catechol	120-80-9	S	105	240	10	118.3	1.341	3
577	Cation exchange resin 200-400 meshHyd.Dowex 50W X8	11119-67-8	S						
578	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5	S						
579	Cellulose	9004-34-6	S					1.27-1.61	1
580	Cellulose acetate butanoate; (Celvacene)	9004-36-8	S						
581	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7	S						
582	Ceric ammonium nitrate	16774-21-3	S						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
583	Ceric ammonium sulfate	7637-03-8	N.I.S.	600.54	mg/m³	N	24.54	Ce.4(NH3).4(H2.S.O4)
584	Ceric ammonium sulfate, dihydrate	10378-47-9	N.I.S. etc.	632.53	mg/m³	N	25.85	Ce..H20.N4.O18.S4
585	Ceric oxide	1306-38-3	CCY000	172.12	mg/m³	N	7.03	Ce.O2
586	Cerium	7440-45-1	CCY250	140.13	mg/m³	N	5.73	Ce
587	Cerium (iv) nitrate, 1.5	13093-17-9	N.I.S. etc.	392.17	mg/m³	N	16.029	Ce..4(H.N.O3)
588	Cerium acetate	537-00-8	CCY500	317.27	mg/m³	N	12.97	C6.H9.O6.Ce
589	Cerium chloride	7790-86-5	CCY750	246.47	mg/m³	N	10.07	Ce.Cl3
590	Cerium fluoride	7758-88-5	CDA750	197.12	mg/m³	N	8.06	Ce.F3
591	Cerium hydroxide	15785-09-8	N.I.S.	191.14	mg/m³	N	7.81	Ce.(O.H)3
592	Cerium nitrate hexahydrate	10294-41-4	CDB250	434.27	mg/m³	Y	17.75	N3.O9.Ce..6 H2.O
593	Cerium oxalate	15750-47-7	CDA250	316.16	mg/m³	N	12.92	Ce.(C2.O4)2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
583	Ceric ammonium sulfate	7637-03-8	S						2
584	Ceric ammonium sulfate, dihydrate	10378-47-9	S	130					
585	Ceric oxide	1306-38-3	S	2600				7.65	1
586	Cerium	7440-45-1	S	804	3433			6.9	3
587	Cerium (iv) nitrate, 1.5	13093-17-9	S						
588	Cerium acetate	537-00-8	S	308 dec.					3
589	Cerium chloride	7790-86-5	S del	722	1705			3.92	3
590	Cerium fluoride	7758-88-5	S	1460	2300			6.16	1
591	Cerium hydroxide	15785-09-8	S						
592	Cerium nitrate hexahydrate	10294-41-4	S						3
593	Cerium oxalate	15750-47-7	S						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
594	Cerium sulfate	13590-82-4	CDB400	332.24	mg/m³	N	13.58	Ce.(S.O4)2
595	Cerium trioxide	1345-13-7	N.I.S.	328.24	mg/m³	N	13.42	Ce2-O3
596	Cerium(iii) sulfate	13454-94-9	N.I.S. etc.	568.42	mg/m³	N	23.232	Ce2.(S.O4)3
597	Cerium(IV) hydroxide	12014-56-1	N.I.S.	208.15	mg/m³	N	8.51	Ce.H4.O4
598	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	CDB000	326.15	mg/m³	N	13.33	Ce.(NO3)3
599	Cerous nitrite	z-0004	N.I.S. etc.	278.11	mg/m³	N	11.37	Ce.(NO2)3
600	Cesium	7440-46-2	CDC000	132.91	mg/m³	N	5.43	Cs
601	Cesium carbonate	534-17-8	CDC750	325.83	mg/m³	N	13.32	C.O3·.2Cs
602	Cesium chloride	7647-17-8	CDD000	168.36	mg/m³	N	6.88	Cs.Cl
603	Cesium fluoride	13400-13-0	CDD500	151.91	mg/m³	N	6.21	Cs.F
604	Cesium hydroxide	21351-79-1	CDD750	149.91	mg/m³	Y	6.13	Cs.O.H

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
594	Cerium sulfate	13590-82-4	S						D
595	Cerium trioxide	1345-13-7	S	1692				6.86	
596	Cerium(iii) sulfate	13454-94-9	S	`250 dec				2.87	2
597	Cerium(IV) hydroxide	12014-56-1	S						
598	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	S	150 lose water	200 dec				3
599	Cerous nitrite	z-0004	S						
600	Cesium	7440-46-2	S	28.5	668	1	279	1.873	3
601	Cesium carbonate	534-17-8	S						2
602	Cesium chloride	7647-17-8	S	646	1209			3.99	2
603	Cesium fluoride	13400-13-0	S	703	1251				3
604	Cesium hydroxide	21351-79-1	S deliq	315				3.675	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
605	Cesium iodide	7789-17-5	CDE000	259.81	mg/m³	N	10.62	Cs.I
606	Cesium nitrate	7789-18-6	CDE250	194.92	mg/m³	N	7.97	N.O3·Cs
607	Cesium nitrite	z-0005	N.I.S.	178.91	mg/m³	N	7.31	Cs.N.O2
608	Cesium oxide	20281-00-9	CDE325	297.81	mg/m³	N	12.17	Cs2.O
609	Charcoal, activated	64365-11-3	CDI000	12.01	mg/m³	N	0.49	C
610	Chloramben; (3-Amino-2,5-dichlorobenzoic acid)	133-90-4	AJM000	206.03	mg/m³	N	8.42	C7H5Cl2NO2
611	Chloramphenicol	56-75-7	CDP250	323.13	mg/m³	N	13.21	C11.H12.Cl2.N2.O5
612	Chlordane	57-74-9	CDR750	409.76	mg/m³	N	16.75	C10H6Cl8
613	Chlorfenvinfos	470-90-6	CDS750	359.58	mg/m³	N	14.70	C12H14Cl3O4P
614	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	SFS000	106.44	mg/m³	N	4.35	Na..Cl.O3
615	Chloride	16887-00-6	N.I.S. etc.	35.45	ppm	Y	1.45	Cl-

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
605	Cesium iodide	7789-17-5	S	626	1280				2
606	Cesium nitrate	7789-18-6	Pwdr	414	dec.			3.685	2
607	Cesium nitrite	z-0005	S						
608	Cesium oxide	20281-00-9	S	490				4.65	3
609	Charcoal, activated	64365-11-3	S	3500	4827			2.3	1
610	Chloramben; (3-Amino-2,5-dichlorobenzoic acid)	133-90-4	S	200-201		0.007	100		2
611	Chloramphenicol	56-75-7	S	151	subl	1.70E-12	25		3
612	Chlordane	57-74-9	L		175			1.57-1.63	3
613	Chlorfenvinfos	470-90-6	L	-23	124-126 @0.008 mm			1.36 @ 20	3
614	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	S	264	dec			2.490 @ 15C	3
615	Chloride	16887-00-6	G/L						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
616	Chlorinated polyolefins	68410-99-1	N.I.S.		mg/m³	N		N/A
617	**Chlorine**	**7782-50-5**	CDV750	70.90	ppm	Y	2.90	Cl2
618	**Chlorine dioxide**	**10049-04-4**	CDW450	67.45	ppm	Y	2.76	Cl.O2
619	Chlorine Hi dry granular (as Cl)	z-0006	N.I.S.	35.45	ppm	Y	1.45	N/A
620	**Chlorine pentafluoride**	**13637-63-3**	CDX250	130.45	ppm	Y	5.33	Cl.F5
621	**Chlorine trifluoride**	**7790-91-2**	CDX750	92.45	ppm	Y	3.78	Cl.F3
622	Chlormephos	24934-91-6	CDY299	234.70	mg/m³	N	9.59	C5.H12.Cl.O2..P.S2
623	Chlormequat Chloride; (Choline dichloride)	999-81-5	CMF400	158.09	mg/m³	Y	6.46	C5.H13.Cl.N.Cl
624	**Chloro-1,1-difluoroethane, 1-; (HCFC-142b)**	**75-68-3**	CFX250	100.50	ppm	N	4.11	C2.H3.Cl.F2
625	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	CDT750	110.55	ppm	Y	4.518	C3.H7.Cl.O2
626	Chloro-1-butanol, 4-	928-51-8	CEU500	108.58	mg/m³	N	4.44	C4.H9.Cl.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
616	Chlorinated polyolefins	68410-99-1							
617	**Chlorine**	**7782-50-5**	G	-101.1	-33.9	5740	25	1.47 liq @ 0 C	3
618	**Chlorine dioxide**	**10049-04-4**	G	-59	11			3.09 @11C	3
619	Chlorine Hi dry granular (as Cl)	z-0006							
620	**Chlorine pentafluoride**	**13637-63-3**	G	-103	-13.1			2.105 @ -13.1 C	3
621	**Chlorine trifluoride**	**7790-91-2**	G	-76.1	11.7	>760		1.77	3
622	Chlormephos	24934-91-6	L		81-85 @ 0.1 mm	0.0056	30	1.26	3
623	Chlormequat Chloride; (Choline dichloride)	999-81-5	S	245 dec		7.5E-08	20		3
624	**Chloro-1,1-difluoroethane, 1-; (HCFC-142b)**	**75-68-3**	G	-131	-9.5	>760		1.19	1
625	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	L		213 dec	0.2	20	1.326	3
626	Chloro-1-butanol, 4-	928-51-8	L		84 @ 16mm			1.088 @ 20C	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
627	Chloro-2,4-dinitrobenzene, 1-	97-00-7	CGM000	202.56	mg/m³	Y	8.28	C6.H3.Cl.N2.O4
628	Chloro-2-methyl-1-propene, 3-	563-47-3	CIU750	90.56	ppm	N	3.70	H2.C=C.(C.H3)..C.H2.Cl
629	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	BQR000	92.58	ppm	N	3.784	C4.H9.Cl
630	Chloro-2-nitrophenol, 4-	89-64-5	N.I.S.	173.55	mg/m³	N	7.09	C6.H4.Cl.N.O3
631	Chloro-4-nitrophenol, 2-	619-08-9	CJD250	173.56	ppm	N	7.09	C6.H4.Cl.N.O3
632	**Chloroacetaldehyde**	**107-20-0**	CDY500	78.50	ppm	Y	3.21	Cl.C.H2.C.H.O
633	Chloroacetaldehyde dimethyl acetal	97-97-2	N.I.S.	124.57	mg/m³	N	5.09	C4.H9.Cl.O2
634	Chloroacetic acid, sodium salt	3926-62-3	SFU500	116.48	mg/m³	N	4.76	C2.H2.Cl.O2..Na
635	**Chloroacetic acid; (Monochloroacetic acid)**	**79-11-8**	CEA000	94.50	ppm	N	3.86	C2.H3.Cl.O2
636	**Chloroacetone**	**78-95-5**	CDN200	92.53	ppm	N	3.78	C3.H5.Cl.O
637	**Chloroacetonitrile**	**107-14-2**	CDN500	75.50	ppm	Y	3.09	C2.H2.Cl.N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
627	Chloro-2,4-dinitrobenzene, 1-	97-00-7	S	51-a,43-b,27-g	315			1.68	3
628	Chloro-2-methyl-1-propene, 3-	563-47-3	L	<-80	72.17	101.7	20	0.9257 @ 20 C	3
629	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	L	-25.6	50.9			0.87	3
630	Chloro-2-nitrophenol, 4-	89-64-5	S	88.5					
631	Chloro-4-nitrophenol, 2-	619-08-9	S	111					3
632	**Chloroacetaldehyde**	**107-20-0**	L	-19.4	85.5	100	20	1.19	3
633	Chloroacetaldehyde dimethyl acetal	97-97-2	L		127.5			1.4150 @ 20C	
634	Chloroacetic acid, sodium salt	3926-62-3	S	200 dec				1.4043	3
635	**Chloroacetic acid; (Monochloroacetic acid)**	**79-11-8**	S	61.3	189			1.58	3
636	**Chloroacetone**	**78-95-5**	L	-44.5	119			1.162	3
637	**Chloroacetonitrile**	**107-14-2**	L		126.5	15	30	1.193 @ 20C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
638	**Chloroacetyl chloride**	**79-04-9**	CEC250	112.94	ppm	Y	4.62	Cl.C.H2..C.O.Cl
639	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride 1-(3-	4080-31-3	CEG550	251.19	mg/m³	Y	10.27	C9.H16.Cl.N4.Cl
640	Chloroaniline, p-	106-47-8	CEH680	127.58	mg/m³	N	5.21	C6.H6.Cl.N
641	Chlorobenzene; (Benzene chloride)	108-90-7	CEJ125	112.56	ppm	N	4.60	C6.H5.Cl
642	Chlorobenzotrifluoride, 2-	88-16-4	N.I.S.	180.56	mg/m³	N	7.38	C7.H4.Cl.F3
643	Chlorobenzylate; (4,4'-Dichloro-benzilic acid ethyl ester)	510-15-6	DER000	325.20	mg/m³	Y	13.29	C16.H14.Cl2.O3
644	**Chlorobenzylidene malononitrile, o-**	**2698-41-1**	CEQ600	188.62	mg/m³	Y	7.71	C10.H5.Cl.N2
645	Chlorobutane, 1-; (Butyl chloride)	109-69-3	BQQ750	92.58	ppm	Y	3.78	C4.H9.Cl
646	Chlorobutane, 2-; (Sec-butyl chloride)	78-86-4	CEU250	92.58	ppm	N	3.784	C4.H9.Cl
647	Chlorobutyryl chloride, 4-	4635-59-0	N.I.S.	141.00	mg/m³	N	5.763	C4.H6.Cl2.O
648	Chlorocyclohexanol, trans-2-	6628-80-4	N.I.S	134.61	mg/m³	N	5.50	C6.H11.Cl.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
638	**Chloroacetyl chloride**	**79-04-9**	L	-22.5	108	19	20	1.495	3
639	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride 1-(3-	4080-31-3							3
640	Chloroaniline, p-	106-47-8	S	72.5	232	-		1.169	3
641	Chlorobenzene; (Benzene chloride)	108-90-7	L	-45.6	167.8	12	25	1.11	3
642	Chlorobenzotrifluoride, 2-	88-16-4	L	-6	152.2			1.254 @ 30C	
643	Chlorobenzylate; (4,4'-Dichloro-benzilic acid ethyl ester)	510-15-6	L		146-148	<<0.001			3
644	**Chlorobenzylidene malononitrile, o-**	**2698-41-1**	S	95	313	0.00003	20		3
645	Chlorobutane, 1-; (Butyl chloride)	109-69-3	L	-123.1	78.5	80.1	20	0.892 @ 15C	3
646	Chlorobutane, 2-; (Sec-butyl chloride)	78-86-4	L	-140	68.5			0.873	3
647	Chlorobutyryl chloride, 4-	4635-59-0	L		173.5	1.32	25	1.258	3
648	Chlorocyclohexanol, trans-2-	6628-80-4	S	29	93				3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
649	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	N.I.S. etc.	116.59	ppm	N	4.77	C6.H9.Cl
650	Chlorodecane, 1-	1002-69-3	N.I.S.	176.73	ppm	N	7.22	C10.H21.Cl
651	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	DHI885	120.57	mg/m³	Y	4.93	(C.H3.C.H2)2..Al.Cl
652	Chlorodifluoromethane	75-45-6	CFX500	86.47	ppm	N	3.53	C.H.Cl.F2
653	Chloroethanesulfonyl chloride, 2-	1622-32-8	CGO125	163.02	mg/m³	N	6.66	C2.H4.Cl2.O2.S
654	Chloroethyl chloroformate	627-11-2	CGU199	142.97	mg/m³	N	5.84	C3.H4.Cl2.O2
655	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	CHI250	106.56	ppm	Y	4.36	C4.H7.Cl.O
656	Chloroethylchloromethylsulfide, 2-	2625-76-5	N.I.S., etc.	145.05	ppm	Y	5.93	C3.H6.Cl2.S
657	**Chloroform**	**67-66-3**	CHJ500	119.37	ppm	Y	4.88	C.H..Cl3
658	Chloroform-D; (Deuterated chloroform)	865-49-6	N.I.S.etc.	120.40	ppm	Y	4.92	C.D.Cl3
659	Chloro-m-cresol, 4-	59-50-7	CFD990	142.59	mg/m³	N	5.83	C7.H7.Cl.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
649	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	L						
650	Chlorodecane, 1-	1002-69-3	L	-34	223			0.871	
651	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	S	-50	208			0.961 @ 25 C	3
652	Chlorodifluoromethane	75-45-6	G	-146.1	-40.6	9.4		1.49 gas @ 69 C	1
653	Chloroethanesulfonyl chloride, 2-	1622-32-8	S		200-203			1.555 @ 20 C	3
654	Chloroethyl chloroformate	627-11-2	L		155.7	13	48-49	1.3847 @ 20 C	3
655	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	L	-70.3	108	30	25	1.05 @ 20 C	3
656	Chloroethylchloromethylsulfide, 2-	2625-76-5							
657	**Chloroform**	**67-66-3**	L	-63.3	61.7	160	20	1.481	3
658	Chloroform-D; (Deuterated chloroform)	865-49-6	L	-64	60.9			1.5004	
659	Chloro-m-cresol, 4-	59-50-7	S	55.5	235				3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
660	**Chloromethyl methyl ether**	**107-30-2**	CIO250	80.52	ppm	N	3.29	C2.H5.Cl.O
661	Chloromethyl(trichloro)silane	1558-25-4	CIY325	183.92	mg/m³	N	7.52	C.H2.Cl4.Si
662	Chloromethylated aminated styrene-divinylbenzene resin; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1	CIF775		mg/m³	N		(C12.H18.N..C10.H10.Cl)x
663	Chloro-methyl-isothiazolin-3-one, 5-	26172-55-4	CIN100	149.60	mg/m³	N	6.11	C4.H4.Cl.N.O.S
664	Chloronaphthalene, 1- (alpha)	90-13-1	CIZ000	162.62	mg/m³	N	6.65	C10.H7.Cl
665	Chloronaphthalene, 2- (beta)	91-58-7	CJA000	162.62	mg/m³	N	6.65	C10.H7.Cl
666	Chloronitrobenzene, p- ; (p-Nitrochlorobenzene)	100-00-5	NFS525	157.56	mg/m³	N	6.44	C6.H4.Cl.N.O2
667	Chloroperoxybenzoic acid, 3-	937-14-4	CJI750	172.57	mg/m³	N	7.05	Cl.C6.H4.C.O..O.O.H
668	Chlorophacinone	3691-35-8	CJJ000	374.83	mg/m³	N	15.32	C23.H15.Cl.O3
669	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	CJK750	128.56	mg/m³	Y	5.25	C6.H5.Cl.O
670	Chlorophenol, m-	108-43-0	CJK500	128.56	mg/m³	N	5.25	C6.H5.Cl.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
660	**Chloromethyl methyl ether**	**107-30-2**	L					1.07	3
661	Chloromethyl(trichloro)silane	1558-25-4	L	111-112	118			1.465	3
662	Chloromethylated aminated styrene-divinylbenzene resin; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1	S						
663	Chloro-methyl-isothiazolin-3-one, 5-	26172-55-4	L						D
664	Chloronaphthalene, 1- (alpha)	90-13-1	L	-20	263			1.194	2
665	Chloronaphthalene, 2- (beta)	91-58-7	S	61	256			1.377	2
666	Chloronitrobenzene, p- ; (p-Nitrochlorobenzene)	100-00-5	S	83	242			1.52	3
667	Chloroperoxybenzoic acid, 3-	937-14-4	S	94					2
668	Chlorophacinone	3691-35-8	S						3
669	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	S	43.5	220	1	49.8	1.246 @ 60C	3
670	Chlorophenol, m-	108-43-0	S	33	210-214	1	44.2	1.245	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
671	Chlorophenol, o-	95-57-8	CJK250	128.56	ppm	N	5.25	C6.H5.Cl.O
672	Chlorophenyl phenyl ether, 4-	7005-72-3	N.I.S.	204.65	mg/m³	N	8.36	C12.H9.Cl.O
673	Chlorophenyl thiourea, 2-	5344-82-1	CKL000	186.67	mg/m³	N	7.63	C7.H7.Cl.N2.S
674	Chloropicrin/Methyl bromide mixture	8004-09-9	N.I.S. etc.	105.00	mg/m³	Y	4.29	[Unspecified]
675	Chloropicrin/Methyl chloride mixture	z-0007	N.I.S. etc.	85.00	mg/m³	Y	3.47	[Unspecified]
676	**Chloropicrin; (Trichloronitromethane)**	**76-06-2**	CKN500	164.37	ppm	Y	6.72	C.Cl3.NO2
677	Chloroprene; (Neoprene)	126-99-8	NCI500	88.54	ppm	Y	3.62	C4.H5.Cl
678	Chloropropanol, 3-; (1-Propanol, 3-chloro)	627-30-5	CKP600	94.55	mg/m³	N	3.86	C3.H7.Cl.O
679	Chloropropionitrile, 3-	542-76-7	CKT250	89.53	ppm	N	3.66	C3.H4.Cl.N
680	Chloropropyl)trimethoxysilane, 3-(; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	TLC300	198.75	ppm	N	8.123	C6.H15.Cl.O3.Si
681	Chloropropylene, 2-	557-98-2	CKS000	76.53	ppm	N	3.13	C3.H5.Cl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
671	Chlorophenol, o-	95-57-8	L	7	174.5	1	12.1	1.263	3
672	Chlorophenyl phenyl ether, 4-	7005-72-3	L	-8	284-285	0.0027	25	1.2026 @15 C	
673	Chlorophenyl thiourea, 2-	5344-82-1	S	146	323	0.000002	25		3
674	Chloropicrin/Methyl bromide mixture	8004-09-9	L						
675	Chloropicrin/Methyl chloride mixture	z-0007	L						
676	**Chloropicrin; (Trichloronitromethane)**	**76-06-2**	L	-69.4	112.2	20	20	1.692	3
677	Chloroprene; (Neoprene)	126-99-8	L		59.4			0.958	3
678	Chloropropanol, 3-; (1-Propanol, 3-chloro)	627-30-5	L		165			1.309 @ 20C	2
679	Chloropropionitrile, 3-	542-76-7	L	-51	176	2.5	25	1.1363 @ 25 C	3
680	Chloropropyl)trimethoxysilane, 3-(; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	L		195	<5	25	1.09	3
681	Chloropropylene, 2-	557-98-2	G/L	-138.6	22.65	819	25	0.9017 @ 20 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
682	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	CKU750	238.85	mg/m³	N	9.76	C11.H23.Cl.O.S
683	Chloro-p-toluenesulfonamide, sodium salt, n-; (Chloramine T) (see also SFV550)	127-65-1	CDP000	228.66	mg/m³	N	9.35	C7.H8.Cl.N.O2.S..Na
684	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7	N.I.S., etc.	156.55	ppm	N	6.40	C4.H10.Cl.O2.P
685	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5	N.I.S.	198.63	ppm	N	8.12	C7.H16.Cl.O2.P
686	**Chlorosulfonic acid; (Chlorosulfuric acid)**	**7790-94-5**	CLG500	116.52	mg/m³	Y	4.76	Cl.S.O2.OH
687	Chlorothalonil; (Tetrachloroisophthalonitrile)	1897-45-6	TBQ750	265.90	mg/m³	N	10.87	C8.Cl4.N2
688	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	CLK100	126.59	ppm	Y	5.17	C.H3.C6.H4.Cl
689	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	TGY075	126.59	ppm	N	5.17	C.H3.C6.H4.Cl
690	Chlorotrifluoroethene, homopolymer	9002-83-9	KDK000		mg/m³	N		(C2.Cl.F3)n
691	**Chlorotrifluoroethylene**	**79-38-9**	CLQ750	116.47	ppm	N	4.76	Cl.F.C..C.F2
692	Chlorotrifluoromethane; (CFC-13)	75-72-9	CLR250	104.46	ppm	N	4.27	C.Cl.F3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
682	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	L		338	0.00002	25		3
683	Chloro-p-toluenesulfonamide, sodium salt, n-; (Chloramine T) (see also SFV550)	127-65-1	S powd	167-170					3
684	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7							
685	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5							
686	**Chlorosulfonic acid; (Chlorosulfuric acid)**	**7790-94-5**	L	-80	158	1	32	1.77	3
687	Chlorothalonil; (Tetrachloroisophthalonitrile)	1897-45-6	S	250-251	350	5.7E-07	25	2.8	3
688	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	L	-35.1	159.2			1.0776	3
689	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	L	7.5	162.4			1.0697	3
690	Chlorotrifluoroethene, homopolymer	9002-83-9	S						2
691	**Chlorotrifluoroethylene**	**79-38-9**	G	-157.5	-27.9	>760		1.305	3
692	Chlorotrifluoromethane; (CFC-13)	75-72-9	G	-181	-81.4	21400	25		1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
693	**Chlorovinylarsine dichloride; (Lewisite)**	**541-25-3**	CLV000	207.31	mg/m³	Y	8.47	C2.H2.As.Cl3
694	Chloroxuron	1982-47-4	CJQ000	290.77	mg/m³	N	11.88	C15.H15.Cl.N2.O2
695	Chlorpyrifos; (Dursban)	2921-88-2	CMA100	350.59	mg/m³	Y	14.33	C9.H11.Cl3.N.O3.P.S
696	Chlorsulfuran	64902-72-3	CMA700	367.80	mg/m³	N	15.03	C12.H12.Cl.N.5.O4.S
697	Chlorthiophos	21923-23-9	CLB022	361.25	mg/m³	Y	14.76	C11.H15.Cl2.O3.P.S2
698	Chromates	13907-45-4	N.I.S.	99.99	mg/m³	N	4.09	Cr.O3
699	Chromic acetate; (Chromium(III) acetate)	1066-30-4	CMH000	229.15	mg/m³	N	9.37	Cr.C6.H9.O6
700	Chromic acid ester	11115-74-5	N.I.S.	118.02	mg/m³	Y	4.82	Cr.H2.O4
701	Chromic chloride; (Chromium(III) chloride)	10025-73-7	CMJ250	158.35	mg/m³	N	6.47	Cr.Cl3
702	Chromic oxide (Chromium(III) oxide, chromium sesquioxide)	1308-38-9	CMJ900	152.00	mg/m³	Y	6.21	Cr2.O3
703	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	CMK415	392.18	mg/m³	Y	16.03	O12.S3·2 Cr

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
693	**Chlorovinylarsine dichloride; (Lewisite)**	**541-25-3**	L	-13	190 dec	0.4	20	1.888 @ 20 C	3
694	Chloroxuron	1982-47-4	S	151-152		3.9E-09	20	1.34 @ 20 C	2
695	Chlorpyrifos; (Dursban)	2921-88-2	S	42-43.5					3
696	Chlorsulfuran	64902-72-3	S	174-178	192 dec	0.81313	25		2
697	Chlorthiophos	21923-23-9	L		150				
698	Chromates	13907-45-4							3
699	Chromic acetate; (Chromium(III) acetate)	1066-30-4	S						3
700	Chromic acid ester	11115-74-5	S						
701	Chromic chloride; (Chromium(III) chloride)	10025-73-7	S	1152	1300 subl			1.76	3
702	Chromic oxide (Chromium(III) oxide, chromium sesquioxide)	1308-38-9	S	2435	4000			5.21	3
703	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	S					3.012	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
704	Chromic trihydroxide; (Chromic(III) acid)	1308-14-1	CMH260	103.03	mg/m³	Y	4.21	Cr.H3.O3
705	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	CMK000	100.00	mg/m³	Y	4.09	Cr.O3
706	Chromic(VI) acid	7738-94-5	CMH250	118.02	mg/m³	Y	4.82	Cr.H2.O4
707	Chromite; (Chromite (mineral))	1308-31-2	CMI500	223.85	mg/m³	N	9.15	Cr2.Fe.O4
708	Chromium	7440-47-3	CMI750	52.00	mg/m³	N	2.13	Cr
709	Chromium nitrate	10103-47-6	N.I.S.	493.14	mg/m³	N	20.16	Cr.X(H.N.O3)
710	Chromium nitrate nonahydrate	7789-02-8	CMJ610	400.21	mg/m³	N	16.36	N3.O9.Cr..9 H2.O
711	Chromium perchlorate, hydrated	13537-21-8	CMI300	350.35	mg/m³	N	14.32	Cr..Cl3.O12
712	Chromium(III) acetate hydroxide	39430-51-8	N.I.S.	250.00	mg/m³	N	10.22	(Unknown)
713	Chromium(III) chloride, hexahydrate	10060-12-5	CMK450	266.47	mg/m³	Y	10.89	Cl3.Cr.H12.O6

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
704	Chromic trihydroxide; (Chromic(III) acid)	1308-14-1	S						3
705	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	S.del	190	dec			2.70	3
706	Chromic(VI) acid	7738-94-5	S	196	dec			1.67 - 2.82	3
707	Chromite; (Chromite (mineral))	1308-31-2	S					4.97 @ 20C	3
708	Chromium	7440-47-3	S	1900	2200	~0	20	7.1	3
709	Chromium nitrate	10103-47-6	S						
710	Chromium nitrate nonahydrate	7789-02-8	S(?)						2
711	Chromium perchlorate, hydrated	13537-21-8	S						3
712	Chromium(III) acetate hydroxide	39430-51-8	S						
713	Chromium(III) chloride, hexahydrate	10060-12-5	S hygr.	83				1.76	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
714	Chromium(III) fluoride	7788-97-8	CMJ560	109.00	mg/m³	N	4.45	Cr.F3
715	Chromium(III) nitrate	13548-38-4	CMJ600	238.03	mg/m³	N	9.73	Cr.N3.O9
716	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2	N.I.S.	85.00	mg/m³	Y	3.47	Cr.O.(O.H)
717	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	CMG850	499.41	mg/m³	N	20.41	Cr.K.O8.S2..12(H2.O)
718	Chromium(VI) hydroxide	12626-43-6	N.I.S.	154.04	mg/m³	N	6.30	Cr.(O.H)6
719	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	CMJ300	122.90	mg/m³	N	5.02	Cr.Cl2
720	Chrysene (coal tar volatile)	218-01-9	CML810	228.30	mg/m³	N	9.33	C18.H12
721	Cinnamaldehyde	104-55-2	CMP969	132.17	mg/m³	Y	5.40	C9.H8.O
722	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	CMP971	132.17	ppm	N	5.40	C9.H8.O
723	Citric acid	77-92-9	CMS750	192.14	mg/m³	Y	7.85	C6.H8.O7
724	Citric acid monohydrate	5949-29-1	N.I.S.	210.16	mg/m³	N	8.59	C6.H8.O7

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
714	Chromium(III) fluoride	7788-97-8	S	1400				3.8	3
715	Chromium(III) nitrate	13548-38-4	S	60	100 dec				3
716	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2							
717	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	S	89				1.83	3
718	Chromium(VI) hydroxide	12626-43-6	S						
719	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	S	824	1300			2.751 @ 14 C	2
720	Chrysene (coal tar volatile)	218-01-9	S	254	448			1.274	3
721	Cinnamaldehyde	104-55-2	L	-7.5	253	1	78	1.05	3
722	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	L	-7.5	252			1.048	D
723	Citric acid	77-92-9						1.665	3
724	Citric acid monohydrate	5949-29-1	S	153	dec			1.655 @ 20 C	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
725	Citric acid, trisodium salt, dihydrate	6132-04-3	N.I.S. etc., see TNL000	294.10	mg/m³	N	12.02	3 Na.C6.H5.O7..2 H2.O
726	Coal tar pitch volatiles; (Particulate polycyclic aromati hydrocarbons)	65996-93-2	CMZ100		mg/m³	N		[Unspecified]
727	Coal tar, aerosol	8007-45-2a	CMY805		mg/m³	Y		[Unspecified]
728	Coal tar; (Coal tar volatiles)	8007-45-2b	CMY800		mg/m³	Y		[Unspecified]
729	Cobalt	7440-48-4	CNA250	58.93	mg/m³	Y	2.41	Co
730	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	CNA500	249.11	mg/m³	Y	10.18	Co..C4.H6.O4..4 H2.O
731	Cobalt carbonyl	10210-68-1	CNB500	341.94	mg/m³	N	13.98	Co2.C8.O8
732	Cobalt chloride	7646-79-9	CNB599	129.83	mg/m³	N	5.31	Co.Cl2
733	**Cobalt hydrocarbonyl**	**16842-03-8**	CNC230	171.98	mg/m³	Y	7.03	H.Co..(C.O)4
734	Cobalt hydroxide	21041-93-0	CNC231	92.95	mg/m³	N	3.80	Co.(O.H)2
735	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	CND010	291.07	mg/m³	N	11.90	Co.(N.O3)2.6 H2O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
725	Citric acid, trisodium salt, dihydrate	6132-04-3	S	>300 dec					3
726	Coal tar pitch volatiles; (Particulate polycyclic aromati hydrocarbons)	65996-93-2	L						3
727	Coal tar, aerosol	8007-45-2a	S						2
728	Coal tar; (Coal tar volatiles)	8007-45-2b	L					1.18-1.23	3
729	Cobalt	7440-48-4	S	1495	3100			8.92	3
730	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	L						
731	Cobalt carbonyl	10210-68-1	S	51	52 decom	0.07	15	1.87	3
732	Cobalt chloride	7646-79-9	S	735	1049			3.348	3
733	**Cobalt hydrocarbonyl**	**16842-03-8**	L/G unstbl e	-33	10				3
734	Cobalt hydroxide	21041-93-0	S						2
735	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	S	~55	>74			1.88	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
736	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	CNC500	182.95	mg/m³	N	7.48	Co.N2.O6
737	Cobalt nitrite	z-0009	N.I.S. etc.	150.93	mg/m³	N	6.17	Co.(N.O2)2
738	Cobalt oxide	1308-06-1	CND020	240.79	mg/m³	N	9.84	Co3.O4
739	Cobalt sulfate	10124-43-3	CNE125	154.99	mg/m³	N	6.33	Co.S.O4
740	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	CNE150	281.13	mg/m³	N	11.49	Co.S.O4..7 H2.O
741	Cobalt tetraphenylporphine	14172-90-8	N.I.S.		mg/m³	N		[Unknown]
742	Cobalt(II) chloride hexahydrate	7791-13-1	CNB800	237.95	mg/m³	N	9.73	Co.Cl2..6 H2.O
743	Cobalt(II) oxide	1307-96-6	CND125	74.93	mg/m³	N	3.06	Co.O
744	Cobalt(ii) perchlorate, hexahydrate	13478-33-6	CND900	365.95	mg/m³	N	14.957	Co..Cl2.O8..6 H2.O
745	Cobalt(II) sulfate hydrate	60459-08-7	N.I.S. etc.	173.00	mg/m³	N	7.07	Co.S.O4..H2.O
746	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-	62207-76-5	EIS000	361.23	mg/m³	Y	14.76	C16.H12.Co.F2.N2.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
736	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	S	55	75 dec			1.87	3
737	Cobalt nitrite	z-0009	S						
738	Cobalt oxide	1308-06-1	S	900 dec					2
739	Cobalt sulfate	10124-43-3	S	735	dec			3.71	3
740	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	S	735				3.71	3
741	Cobalt tetraphenylporphine	14172-90-8							
742	Cobalt(II) chloride hexahydrate	7791-13-1	S	86	1049			1.924	3
743	Cobalt(II) oxide	1307-96-6	S	1935				6.45	3
744	Cobalt(ii) perchlorate, hexahydrate	13478-33-6	S						0
745	Cobalt(II) sulfate hydrate	60459-08-7	S						
746	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-	62207-76-5	S			0.00001	25		3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
747	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7	CNB250	218.75	mg/m³	N	8.94	Co.Br2
748	Cobaltous carbonate	513-79-1	CNB475	118.94	mg/m³	N	4.86	C.O3.Co
749	Colchicine	64-86-8	CNG830	399.48	mg/m³	Y	16.33	C22.H25.N.O6
750	Copper	7440-50-8	CNI000	63.54	mg/m³	N	2.60	Cu
751	Copper cyanide	544-92-3	CNL000	89.56	mg/m³	N	3.66	Cu.C.N
752	Copper hydroxide	20427-59-2	CNM500	97.56	mg/m³	N	3.99	Cu.(O.H)2
753	Copper nitrate; (Cupric nitrate)	3251-23-8	CNM750	187.55	mg/m³	Y	7.67	Cu.N2.O6
754	Copper oxide	1317-39-1	CNO000	143.08	mg/m³	N	5.85	Cu2.O
755	Copper sulfate	7758-98-7	CNP250	159.60	mg/m³	Y	6.52	Cu.S.O4
756	Copper(I) chloride; (Cuprous chloride)	7758-89-6	CNK250	98.99	mg/m³	N	4.05	Cu.Cl
757	Copper(I) sulfide	22205-45-4	CNP750	159.14	mg/m³	N	6.50	Cu2.S

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
747	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7	S	678				4.909 @ 25 C	3
748	Cobaltous carbonate	513-79-1	S					4.13	2
749	Colchicine	64-86-8	S	155-157	407	0.00001	25		3
750	Copper	7440-50-8	S	1083	2595	~0	20	8.92	2
751	Copper cyanide	544-92-3	S	474	1400 dec			2.92	3
752	Copper hydroxide	20427-59-2	S ins					3.368	2
753	Copper nitrate; (Cupric nitrate)	3251-23-8	S	255-256	>150 subl			2.047	2
754	Copper oxide	1317-39-1	S	1235	1800 dec			6	2
755	Copper sulfate	7758-98-7	S	200				2.284	3
756	Copper(I) chloride; (Cuprous chloride)	7758-89-6	S	430	1490	1	546	3.53	3
757	Copper(I) sulfide	22205-45-4	S	1127				5.6	D

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
758	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	CNJ750	221.11	mg/m³	N	9.04	2Cu.C.O3..H2.O2
759	Copper(II) acetate monohydrate	6046-93-1	CNI325	199.66	mg/m³	Y	8.16	Cu.C4.H6.O4..H2.O
760	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	CNK500	134.44	mg/m³	N	5.49	Cl2.Cu
761	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	N.I.S.	170.48	mg/m³	N	6.97	Cu.Cl2..2 H2.O
762	Copper(II) oxalate	814-91-5	CNN755	153.58	mg/m³	N	6.28	C2.H2.O4..Cu
763	Copper(II) perchlorate, dihydrate	17031-32-2	CNO500	298.48	mg/m³	N	12.20	Cu..Cl2.O8..2(H2.O)
764	Copper(II) sulfate pentahydrate	7758-99-8	CNP500	249.70	mg/m³	N	10.21	Cu.S.O4..5(H2.O)
765	Copper(II) sulfide	1317-40-4	CNQ000	95.60	mg/m³	N	3.91	Cu.S
766	Corn oil	8001-30-7	CNS000		mg/m³	N		
767	Coumaphos	56-72-4	CNU750	362.78	mg/m³	N	14.83	C14.H16.Cl.O5.P.S
768	Coumarin	91-64-5	CNV000	146.15	mg/m³	N	5.97	C9.H6.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
758	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	S	200 dec				4	3
759	Copper(II) acetate monohydrate	6046-93-1	S	115					3
760	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	S	498				3.054	3
761	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	S	100	993 dec			2.51	
762	Copper(II) oxalate	814-91-5	S						2
763	Copper(II) perchlorate, dihydrate	17031-32-2	S						3
764	Copper(II) sulfate pentahydrate	7758-99-8	S	110 lose 4H2O	150 dec			2.286 @ 15.6 C	3
765	Copper(II) sulfide	1317-40-4	S	103 trans.	200			4.6	3
766	Corn oil	8001-30-7	L	-10				0.92	1
767	Coumaphos	56-72-4	S	95		9.7E-08	20	1.47 @ 20 C	3
768	Coumarin	91-64-5	S	70-71	291-301.7	a. 0.00098 b. 1	25 106	0.935	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
769	Coumatetralyl; (Endrocide)	5836-29-3	EAT600	292.35	mg/m³	N	11.95	C19.H16.O3
770	Creosote (coal tar)	8001-58-9	CMY825		mg/m³	N		UK
771	Cresols	1319-77-3	CNW500	108.15	ppm	N	4.42	C.H3.C6.H4.O.H
772	Cresyl violet acetate	10510-54-0	N.I.S. etc.	321.33	mg/m³	N	13.13	C18.H15.N3.O3
773	Crimidine; (Castrix)	535-89-7	CCP500	171.65	mg/m³	N	7.02	C7.H10.Cl.N3
774	Cristobalite	14464-46-1	SCJ000	60.09	mg/m³	N	2.46	Si.O2
775	Crocidolite	12001-28-4	ARM275	765.98	mg/m³	N	31.31	O.Na2.Fe2.O33.. Fe.O8.Si.O..2(H2.O)
776	**Crotonaldehyde**	**4170-30-3**	COB250	70.09	ppm	Y	2.86	C.H3.C.H..C.H.C.H.O
777	**Crotonaldehyde, trans-**	**123-73-9**	COB260	70.10	ppm	Y	2.87	C4.H6.O
778	Crotonic Acid	3724-65-0	COB500	86.10	mg/m³	Y	3.52	C4.H6.O2
779	Crystal violet; (Aniline violet)	548-62-9	AOR500	408.03	mg/m³	N	16.677	C25.H30.N3..Cl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
769	Coumatetralyl; (Endrocide)	5836-29-3	S	172-176					3
770	Creosote (coal tar)	8001-58-9	L		200-->				3
771	Cresols	1319-77-3	L	10.9 to 35.5	191-203	0.421		1.030 to 1.038	3
772	Cresyl violet acetate	10510-54-0	S	140-143					
773	Crimidine; (Castrix)	535-89-7	S	87	140-147 @ 4mm				3
774	Cristobalite	14464-46-1	S						3
775	Crocidolite	12001-28-4	S fibre						3
776	**Crotonaldehyde**	**4170-30-3**	L	-73.9	103.9	19	20	0.853	3
777	**Crotonaldehyde, trans-**	**123-73-9**	L	-69	102.2			0.853	3
778	Crotonic Acid	3724-65-0	S	72	185	0.19	20	1.018 @ 15 C	3
779	Crystal violet; (Aniline violet)	548-62-9	S	215					3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
780	Cs7SB; (1-(2,2,3,3-tetrafluoropropoxy),3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	N,I,S, etc.	338.34	mg/m³	Y	13.83	C16.H22.F4.O3
781	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	IOB000	152.21	ppm	Y	6.22	C9.H12.O2
782	**Cumene; (Isopropyl benzene)**	**98-82-8**	COE750	120.21	ppm	Y	4.91	C9.H12
783	Cumenol methylcarbamate, m-; (3-(1-methylethyl)phenol methylcarbamate)	64-00-6	COF250	193.27	mg/m³	N	7.90	C11.H15.N.O2
784	Cupferron; (Ammonium-n-nitrosophenylhydroxylamine)	135-20-6	ANO500	156.19	mg/m³	Y	6.38	C6.H6.N2.O2..H4.N
785	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	CNI250	181.64	mg/m³	N	7.42	Cu..C4.H6.O4
786	Cupric nitrate hemipentahydrate	19004-19-4	N.I.S.	241.60	mg/m³	N	9.87	Cu.(N.O3)2..5/2(H2.O)
787	Cupric nitrite	14984-71-5	N.I.S.	155.54	mg/m³	N	6.36	Cu.(N.O2)2
788	Cupric oxide	1317-38-0	CNO250	79.54	mg/m³	N	3.25	Cu.O
789	Cyanamide	420-04-2	COH500	42.05	mg/m³	N	1.72	C3.H5.N3.O4
790	Cyanic acid; (Hydrogen cyanate)	420-05-3	N.I.S., etc.	43.03	ppm	Y	1.76	CHNO

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
780	Cs7SB; (1-(2,2,3,3-tetrafluoropropoxy),3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	L						1
781	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	L		153			1.05	3
782	**Cumene; (Isopropyl benzene)**	**98-82-8**	L	-96	152	10	38.3	0.864	3
783	Cumenol methylcarbamate, m-; (3-(1-methylethyl)phenol methylcarbamate)	64-00-6	S	72-74	143	0.4	25		3
784	Cupferron; (Ammonium-n-nitrosophenylhydroxylamine)	135-20-6	S	163-164					3
785	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	S						3
786	Cupric nitrate hemipentahydrate	19004-19-4	S	115	170 dec				
787	Cupric nitrite	14984-71-5	S						
788	Cupric oxide	1317-38-0	S	1326				6.4	3
789	Cyanamide	420-04-2	S	45	260			1.282	3
790	Cyanic acid; (Hydrogen cyanate)	420-05-3	G/L unstabl	-86	23			1.140 @ 20	3+

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
791	Cyanide	57-12-5	COI500	26.02	mg/m³	Y	1.06	C.N
792	Cyanoacetamide	107-91-5	COJ250	84.09	mg/m³	N	3.44	C3.H4.N2.O
793	Cyanogen	460-19-5	COO000	52.04	ppm	Y	2.13	(C.N)2
794	Cyanogen bromide	506-68-3	COO500	105.93	mg/m³	N	4.33	C.N..Br
795	**Cyanogen chloride**	**506-77-4**	COO750	61.47	ppm	Y	2.51	C.N..Cl
796	Cyanogen iodide	506-78-5	COP000	152.92	mg/m³	N	6.25	C.N..I
797	Cyanoguanidene	461-58-5	COP125	84.08	mg/m³	N	3.44	C2.H4.N4
798	Cyanophos	2636-26-2	COQ399	243.23	mg/m³	Y	9.94	C9.H10.N.O3.P.S
799	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	THS000	129.09	mg/m³	Y	5.28	C3.H3.N3.O3
800	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	TKK000	135.06	mg/m³	Y	5.52	(C.N)3..F3
801	Cyclohexane	110-82-7	CPB000	84.18	ppm	N	3.44	C6.H12

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
791	Cyanide	57-12-5	S						3
792	Cyanoacetamide	107-91-5	S	119	dec				3
793	Cyanogen	460-19-5	G	-34.4	-21	>760		0.866 @17/4	3
794	Cyanogen bromide	506-68-3	S	52	61.6	122	25	2.015 @ 20 C	3
795	**Cyanogen chloride**	**506-77-4**	G	-6.5	13.1	1010	20	1.218	3
796	Cyanogen iodide	506-78-5	S	146.5		1	25.2	1.84	3
797	Cyanoguanidene	461-58-5	S	209.5		3		1.4	3
798	Cyanophos	2636-26-2	L	14-15	119-120			1.255 @ 25 C	3
799	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	S	360	380 subl			2.500 @ 20 C	2
800	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	L	-38	72.4			1.60 @ 25 C	3
801	Cyclohexane	110-82-7	L	6.5	80.7	100	61	0.7791	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
802	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	N.I.S.	346.34	mg/m³	N	14.16	C14.H22.N2.O8
803	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	BKH325	144.24	mg/m³	N	5.90	C8.H16.O2
804	Cyclohexanol	108-93-0	CPB750	100.16	ppm	Y	4.09	C6.H12.O
805	Cyclohexanone; (Ketohexamethylene)	108-94-1	CPC000	98.16	ppm	Y	4.01	C6.H10.O
806	Cyclohexene	110-83-8	CPC579	82.15	ppm	Y	3.36	C6.H10
807	Cycloheximide	66-81-9	CPE750	281.39	mg/m³	Y	11.50	C15.H23.N.O4
808	Cyclohexyl methyl phosphonic acid	1932-60-1	N.I.S. etc.	178.17	mg/m³	N	7.28	C7.H15.O3.P
809	**Cyclohexylamine**	**108-91-8**	CPF500	99.20	ppm	Y	4.05	C6.H13.N
810	Cyclohexylamino)-1-propanesulfonic acid, 3-(; (CAPS)	1135-40-6	N.I.S.	221.35	mg/m³	N	9.047	C9.H19.N.O3.S
811	Cyclohexylethanol, 2-	4442-79-9	CPL250	128.24	mg/m³	N	5.24	C8.H16.O
812	Cyclooctadiene, 1,5-	111-78-4	N.I.S.	108.20	ppm	N	4.42	C8.H12

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
802	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	S	213-216					
803	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	S	41-61	274			1.0381	2
804	Cyclohexanol	108-93-0	L	24	161.5	1	21	0.9449 @ 25C	3
805	Cyclohexanone; (Ketohexamethylene)	108-94-1	L	-45	155	10	38.7	0.9478	3
806	Cyclohexene	110-83-8	L	-103.7	83	67	20	0.8102	3
807	Cycloheximide	66-81-9	S	119-121		0.006	25		3
808	Cyclohexyl methyl phosphonic acid	1932-60-1	S	41.2-43.8					
809	**Cyclohexylamine**	**108-91-8**	L	-17.7	134.5			0.865	3
810	Cyclohexylamino)-1-propanesulfonic acid, 3-(; (CAPS)	1135-40-6	S	300					
811	Cyclohexylethanol, 2-	4442-79-9	L	87	208			0.9229 @ 20C	2
812	Cyclooctadiene, 1,5-	111-78-4	L	-69	150.8			0.8818	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
813	Cyclooctane	292-64-8	N.I.S. etc.	112.21	ppm	y	4.586	C8.H16
814	Cyclooctatetraene, 1,3,5,7-	629-20-9	CPS500	104.15	ppm	N	4.26	C8.H8
815	Cyclooctene, cis-	931-87-3	N.I.S.	110.20	mg/m³	N	4.50	C8.H14
816	Cyclopentane	287-92-3	CPV750	70.15	ppm	N	2.87	C5.H10
817	Cyclopentanone	120-92-3	CPW500	84.13	ppm	Y	3.439	C3.H8.O
818	Cyclopropane	75-19-4	CQD750	42.09	ppm	N	1.72	C3.H6
819	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	CQH250	296.20	mg/m³	Y	12.11	C4.H8.N8.O8
820	Cyclotol; (RDX-TNT mixture)	z-0010	N.I.S.	449.30	mg/m³	Y	18.36	C7.H5.N3.O6..C3.H6.N6.O6
821	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	CPR800	222.15	mg/m³	Y	9.08	C3.H6.N6.O6
822	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	CQL300	323.23	mg/m³	N	13.21	C9.H14.N3.O8.P
823	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	DAC450	144.00	mg/m³	N	5.89	Na.Al.C.O3..(O.H)2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
813	Cyclooctane	292-64-8	L	15	151			0.836	
814	Cyclooctatetraene, 1,3,5,7-	629-20-9	??	-7	142-143	7.9	25	0.925	3
815	Cyclooctene, cis-	931-87-3	L	-12	142			0.8472 @ 20c	
816	Cyclopentane	287-92-3	L	-93.7	49.3	317.8	25	0.7457 @ 20	3
817	Cyclopentanone	120-92-3	L	-58.2	130.6			0.9509 @ 18C	3
818	Cyclopropane	75-19-4	G	-126.6	-33.5	5410	25	1.879 @ 0 C	3
819	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	S	279	expl @ 279				3
820	Cyclotol; (RDX-TNT mixture)	z-0010	S						
821	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	S	202	expl	0.0004	110	1.82	3
822	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	S	233 dec					D
823	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
824	DDD (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	BIM500	320.04	mg/m³	N	13.08	C14.H10.Cl4
825	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	BIM750	318.02	mg/m³	N	13.00	C14.H8.Cl4
826	DDT (Dichlorodiphenyltrichloroethane)	50-29-3	DAD200	354.48	mg/m³	Y	14.49	C14.H9.Cl5
827	DEAE SEPHAROSE CL-6B	62610-50-8	N.I.S. etc.		mg/m³	N		(Unknown)
828	Decaborane	17702-41-9	DAE400	122.24	mg/m³	Y	5.00	B10.H14
829	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	DLY900	252.07	ppm	Y	10.3024	C5.H2.F10
830	Decahydronaphthalene	91-17-8	DAE800	138.25	ppm	Y	5.65	C10.H18
831	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	N.I.S.	138.24	ppm	Y	5.65	C10.H18
832	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	DAE800	138.28	ppm	Y	5.65	C10.H18
833	Decamethylcyclopentasiloxane	541-02-6	DAF350	370.85	mg/m³	N	15.16	R2.Si.O2
834	Decanal	112-31-2	DAG000 DAG200	156.30	ppm	Y	6.39	C10.H20.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
824	DDD (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	S	110					3
825	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	S	89		6.00E-06	25		3
826	DDT (Dichlorodiphenyltrichloroethane)	50-29-3	S	108.5					3
827	DEAE SEPHAROSE CL-6B	62610-50-8	S					0.994	
828	Decaborane	17702-41-9	S	99.6	213	0.05	25	0.94	3
829	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	L		55	226	25	1.58	1
830	Decahydronaphthalene	91-17-8	L	-43	155.5	2.3	25	0.8965 @ 22C	3
831	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	L	-43.3	195.6	2.3	25	0.8963 @ 20	3
832	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	L	-30.7	187.3	10	47.2	0.8963 @ 20	3
833	Decamethylcyclopentasiloxane	541-02-6	L						1
834	Decanal	112-31-2	L	-5	208.5	0.103	25	0.830 @ 15 C	2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
835	Decane	124-18-5	DAG400	142.29	ppm	N	5.82	C10.H22
836	Decene, 1-, homopolymer, hydrogenated	68037-01-4	N.I.S.		mg/m³	N		(Unknown)
837	Decyl alcohol; (1-Decanol)	112-30-1	DAI600	158.32	mg/m³	Y	6.47	C10.H22.O
838	Demeton	8065-48-3	DAO600	516.72	mg/m³	N	21.12	(C8.H19.O3.P.S2)2
839	Demeton-s-methyl	919-86-8	DAP400	230.30	mg/m³	N	9.41	C6.H15.O3.P.S2
840	Deoxyribonucleac acid; (DNA)	9007-49-2	DAZ000	523.37	mg/m³	N	21.391	C15.H31.N3.O13.P2
841	Deuterium	7782-39-0	DBB800	4.03	ppm	N	0.16	D2
842	Deuterium oxide; (Heavy water)	7789-20-0	HAK000	20.02	ppm	N	0.82	D2.O
843	Deuterochloric acid; (Deuterium chloride)	7698-05-7	N.I.S. etc.	37.47	ppm	Y	1.531	D.Cl
844	Dextran	9004-54-0	DBD700	200000.00	mg/m³	N	8174.28	[Unknown]
845	Dextran sulfate sodium	9011-18-1	DED750		mg/m³	N		H2.O4.S..x Na

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
835	Decane	124-18-5	L	-30	174	1	16.5	0.73	2
836	Decene, 1-, homopolymer, hydrogenated	68037-01-4	L	-65	375-->	<1	20	0.82	1
837	Decyl alcohol; (1-Decanol)	112-30-1	L	7	232.9	1	69.5	0.8297 @ 20C	2
838	Demeton	8065-48-3	L		134 @ 2 mm			1.1183 @ 20 C	3
839	Demeton-s-methyl	919-86-8	L		89 @ 0.15mm	0.0003	20	1.21 @ 20 C	3
840	Deoxyribonucleac acid; (DNA)	9007-49-2	S						1
841	Deuterium	7782-39-0	G	-254.43	-249.49			0.169 @ -253	3
842	Deuterium oxide; (Heavy water)	7789-20-0	L	3.81	101.42			1.1044	D
843	Deuterochloric acid; (Deuterium chloride)	7698-05-7	G	-114	-85				2
844	Dextran	9004-54-0	S						2
845	Dextran sulfate sodium	9011-18-1	S						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
846	Di(ethylene glycol) diacrylate	4074-88-8	ADT250	214.24	mg/m³	Y	8.756	C10.H14.O5
847	Di-2-ethylhexyl adipate	103-23-1	AEO000	370.64	mg/m³	Y	15.15	C22.H42.O4
848	Diacetoxydibutyl stannane	1067-33-0	DBF800	351.05	mg/m³	N	14.35	C12.H24.O4.Sn
849	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	ACV500	118.04	mg/m³	Y	4.82	C.H3.C.O..O.O.C.O..C.H3
850	Dialifor	10311-84-9	DBI099	393.86	mg/m³	N	16.10	C14.H17.N.O4.P.S2
851	Diallyl phthalate	131-17-9	DBL200	246.28	mg/m³	Y	10.07	C14.H14.O
852	Diallyldimethylammonium chloride	7398-69-8	N.I.S.	161.70	mg/m³	N	6.609	C8.H16.N..Cl
853	Diallyldimethylammonium chloride polymer	26062-79-3	DTS500		mg/m³	N		(C8.H16.N.Cl)x
854	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	OPM000	200.26	mg/m³	N	8.18	C12.H12.N2.O
855	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	SOA500	248.32	mg/m³	N	10.15	C12.H12.N2.O2.S
856	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	AIX250	131.26	ppm	Y	5.36	C6.H17.N3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
846	Di(ethylene glycol) diacrylate	4074-88-8	L		200			1.118	2
847	Di-2-ethylhexyl adipate	103-23-1	L		181-5 @ 2 mm	2.6	200	0.9268	2
848	Diacetoxydibutyl stannane	1067-33-0	L	10	130	1.3	20	1.31	3
849	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	S	30	63 @ 21 C			1.18	3
850	Dialifor	10311-84-9	S	67-69		6.2E-08	20-25		3
851	Diallyl phthalate	131-17-9	L	-70	157	2.4	150	1.120 @ 20C	3
852	Diallyldimethylammonium chloride	7398-69-8	S	140				1.036	2
853	Diallyldimethylammonium chloride polymer	26062-79-3	S						2
854	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	S	187	>300	0.0000003	25		3
855	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	L	176					3
856	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	L	-14.5	235			0.938	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
857	Diaminopyridine, 2,6-	141-86-6	DCC800	109.15	mg/m³	N	4.461	C5.H7.N3
858	Diammonium molybdate	27546-07-2	N.I.S.	337.91	mg/m³	N	13.811	H4.Mo2.N.O8
859	Diamond	7782-40-3	N.I.S.	12.01	mg/m³	N	0.49	C
860	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	DOA800	317.24	mg/m³	N	12.97	C14.H16.N2.O2..2Cl.H
861	Diatomaceous earth (flux calcinated; Filter agent, celite)	68895-54-9	DCJ800		mg/m³	N		
862	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-2	DCJ800		mg/m³	N		
863	Diatomaceous silica, calcined	91053-39-3	N.I.S.		mg/m³	N		
864	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	DCK400	112.20	mg/m³	Y	4.59	C6.H12.N2
865	Diazabicyclo(5.4.0.)undec-7-ene, 1,8-	6674-22-2	N.I.S.	152.24	mg/m³	N	6.222	C9.H16.N2
866	Diazoacetic acid; (Ethyl diazoacetate)	623-73-4	DCN800	114.12	mg/m³	N	4.664	C4.H6.N2.O2
867	Diazomethane	334-88-3	DCP800	42.05	ppm	N	1.72	C.H2.N2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
857	Diaminopyridine, 2,6-	141-86-6	S	121.5	285				3
858	Diammonium molybdate	27546-07-2	S						
859	Diamond	7782-40-3	S	4440 @ 12.4 Gpa				3.513	
860	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	S	137		8.8E-09	25		3
861	Diatomaceous earth (flux calcinated; Filter agent, celite)	68895-54-9	S	1083	2595				1
862	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-2	S	1700	2230			1.9 - 2.35	1
863	Diatomaceous silica, calcined	91053-39-3							
864	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	S hygr.	158	174				2
865	Diazabicyclo(5.4.0.)undec-7-ene, 1,8-	6674-22-2	L	-70	80-83 @ 0.6 mm	5.3	37.7	1.018	3
866	Diazoacetic acid; (Ethyl diazoacetate)	623-73-4	L	-22	141 @ 720 mm			1.085	3
867	Diazomethane	334-88-3	G	-145	-23	> 760		1.45	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
868	Dibenza(a,h)anthracene	53-70-3	DCT400	278.36	mg/m³	N	11.38	C22.H14
869	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	NAT500	302.38	mg/m³	N	12.36	C24.H14
870	Dibenzofuran	132-64-9	DDB500	168.20	mg/m³	N	6.87	C12.H8.O
871	Dibenzo-p-dioxin	262-12-4	DDA800	184.20	mg/m³	N	7.53	C12.H8.O2
872	**Diborane**	**19287-45-7**	DDI450	27.68	ppm	Y	1.13	B2.H6
873	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	DDL800	236.35	ppm	Y	9.66	C3.H5.Br2.Cl
874	Dibromo-4-nitrophenol, 2,6-	99-28-5	DDQ500	296.92	ppm	N	12.14	C6-H3-Br2-N-O3
875	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	CFK500	208.29	mg/m³	N	8.51	C.H.Br.Cl
876	Dibromohexane, 1,6-	629-03-8	DDO800	244.00	mg/m³	N	9.973	C6.H12.Br
877	Dibromomethane; (Methylene dibromide)	74-95-3	DDP800	173.85	ppm	N	7.11	C.H2.Br2
878	Dibromophenol, 2,6-	608-33-3	N.I.S.	251.91	mg/m³	N	10.30	C6-H4-Br2-O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
868	Dibenza(a,h)anthracene	53-70-3	S	266-->					3
869	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	S	225					3
870	Dibenzofuran	132-64-9	S	86.5	287	0.0044	25	1.0866 @ 99 C	D
871	Dibenzo-p-dioxin	262-12-4	S	119		4.1E-4	25		3
872	**Diborane**	**19287-45-7**	G	-165	-92.8	>760		0.477 liq	3
873	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	L	6.7	196			2.05	3
874	Dibromo-4-nitrophenol, 2,6-	99-28-5	L						3
875	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	L	-22	116			2.38	2
876	Dibromohexane, 1,6-	629-03-8	L	-1.2	245.5			1.6025	3
877	Dibromomethane; (Methylene dibromide)	74-95-3	L	-52.7	95.6 - 96.4	44.4	25	2.485	3
878	Dibromophenol, 2,6-	608-33-3							

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
879	Dibromopropane, 1,3-	109-64-8	TLR000	201.91	mg/m³	Y	8.25	C3.H6.Br2
880	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	FOO525	259.84	ppm	N	10.62	C2.Br2.F4
881	Dibutyl (2-ethylhexyl)phosphate	z-0011	N.I.S. etc.	322.43	ppm	N	13.18	[Unknown]
882	Dibutyl butylphosphonate	78-46-6	DDV800	250.36	ppm	Y	10.23	C12.H27.O3.P
883	Dibutyl peroxide, tert-	110-05-4	BSC750	146.26	ppm	Y	5.98	C8.H18.O2
884	Dibutyl phosphate	107-66-4	DEG700	210.20	ppm	N	8.59	C8.H19.P.O4
885	Dibutyl phosphite	1809-19-4	DEG800	194.24	mg/m³	Y	7.94	C8.H19.O3.P
886	Dibutyl phthalate	84-74-2	DEH200	278.38	mg/m³	N	11.38	C6.H4.(C.O.C4.H9)2
887	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	N.I.S. etc	274.11	mg/m³	N	11.203	C.F3.S.O3.B.[(C.H3)C.H3]2
888	Dibutylhexamethylenediamine, N,N'-	4835-11-4	DEC699	228.48	mg/m³	N	9.34	C14.H32.N2
889	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	RDP300	207.02	mg/m³	N	8.46	C6.H4.Cl2.N2.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
879	Dibromopropane, 1,3-	109-64-8	L	-36	166.5			1.977	2
880	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	L	-112	47.3			2.18 @ 21.1 C	1
881	Dibutyl (2-ethylhexyl)phosphate	z-0011							
882	Dibutyl butylphosphonate	78-46-6	L		160-162			0.948 @ 20 C	3
883	Dibutyl peroxide, tert-	110-05-4	L	-40	111	25.1	25	0.791 @ 25 C	3
884	Dibutyl phosphate	107-66-4	L		135-8 @ 0.05mm				2
885	Dibutyl phosphite	1809-19-4	L		95 @1 mm	1	95	0.9860 @ 25 C	3
886	Dibutyl phthalate	84-74-2	L	-35	340	<0.01		1.047 - 1.048	3
887	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	S	4.44				0.815	
888	Dibutylhexamethylenediamine, N,N'-	4835-11-4	L		205	0.0004	25		3
889	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	S	191					3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
890	Dichloro(4,4-dimethylzinc -5((((methylamino)carbonyl) oxy)-imino)pentanenitrile), (trans-4)-; (Ethienocarb)	58270-08-9	DFE469	333.54	mg/m³	N	13.63	C9.H15.Cl2.N3.O2..Zn
891	**Dichloro-1,1,1-trifluoroethane, 2,2-; (HCFC-123)**	**306-83-2**	TJY500	152.93	ppm	N	6.25	C2.H.Cl2.F3
892	**Dichloro-1-fluoroethane, 1,1-; (HCFC-141b; Freon 141)**	**1717-00-6**	FOO550	116.95	ppm	N	4.78	C2.H3.Cl2.F
893	Dichloro-2-butene 1,4-	764-41-0	DEV000	125.00	ppm	N	5.11	C4.H6.Cl2
894	Dichloro-2-propanol, 1,3-	96-23-1	DGG400	128.99	ppm	N	5.27	C3.H6.Cl2.O
895	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	DGO400	255.03	mg/m³	N	10.42	C8.H3.Cl2.F3.N2
896	Dichloroacetic acid	79-43-6	DEL000	128.95	ppm	Y	5.27	C2.Cl2.H2.O2
897	**Dichloroacetyl chloride**	**79-36-7**	DEN400	147.38	ppm	Y	6.02	C2.H.Cl3.O
898	Dichloroacetylene	7572-29-4	DEN600	94.92	ppm	Y	3.88	C2.Cl2
899	Dichloroamine; (Chlorimide)	3400-09-7	N.I.S.	85.92	ppm	N	3.51	Cl2.H.N
900	Dichlorobenzene, m-	541-73-1	DEP599	147.00	ppm	N	6.01	C6.H4.Cl2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
890	Dichloro(4,4-dimethylzinc -5((((methylamino)carbonyl) oxy)-imino)pentanenitrile), (trans-4)-; (Ethienocarb)	58270-08-9	S	120-125		0.00001	25		3
891	**Dichloro-1,1,1-trifluoroethane, 2,2-; (HCFC-123)**	**306-83-2**	L	-107	27.82	718	25	1.4638	3
892	**Dichloro-1-fluoroethane, 1,1-; (HCFC-141b; Freon 141)**	**1717-00-6**	G/L	-103.5	32	412	25		1
893	Dichloro-2-butene 1,4-	764-41-0	L	1 to 3	156			1.183	3
894	Dichloro-2-propanol, 1,3-	96-23-1	L	-4	174	1	28	1.367 @ 20C	3
895	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	S	212-214		0.00004	22.5	3.49	3
896	Dichloroacetic acid	79-43-6	L	10	194	1	44	1.5634 @ 20C	2
897	**Dichloroacetyl chloride**	**79-36-7**	L		108			15315@ 16C	2
898	Dichloroacetylene	7572-29-4	L	-65	33			1.26	3
899	Dichloroamine; (Chlorimide)	3400-09-7	L					1.2	2
900	Dichlorobenzene, m-	541-73-1	L	-24	172			1.288	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
901	Dichlorobenzene, o-	95-50-1	DEP600	147.00	ppm	Y	6.01	C6.H4.Cl2
902	Dichlorobenzene, p-	106-46-7	DEP800	147.00	ppm	Y	6.01	C6.H4.Cl2
903	Dichlorobenzidene 3,3'-	91-94-1	DEQ600	253.14	ppm	Y	10.35	C12.H10.Cl2.N2
904	Dichlorocyclohexane, 1,1-	2108-92-1	N.I.S. etc.	153.05	ppm	N	6.26	C6.H10.Cl2
905	Dichlorocyclohexane, trans-1,2-	822-86-6	N.I.S.	153.05	mg/m³	N	6.26	C6.H10.Cl2
906	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	DFA600	120.91	ppm	N	4.94	C.Cl2.F2
907	Dichloroethanol acetate, 1,2-	10140-87-1	DFG159	157.00	ppm	N	6.42	C4.H6.Cl2.O2
908	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane)	111-44-4	DFJ050	143.02	ppm	Y	5.85	C4.H8.Cl2.O
909	Dichloroethylaluminum	563-43-9	EFU050	126.95	mg/m³	Y	5.19	C2.H5.Al.Cl2
910	Dichloroethylbenzene; (Ethyldichlorobenzene)	1331-29-9	EHY500	175.06	mg/m³	N	7.15	C8.H.8.Cl2
911	Dichloroethylene, 1,2-	540-59-0	DFI210	96.94	ppm	N	3.96	Cl.C.H..C.H.Cl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
901	Dichlorobenzene, o-	95-50-1	L	-17.2	180.6	1	20	1.307	3
902	Dichlorobenzene, p-	106-46-7	S	53.3	173.9	0.4	25	1.4581	3
903	Dichlorobenzidene 3,3'-	91-94-1	S	133					3
904	Dichlorocyclohexane, 1,1-	2108-92-1							
905	Dichlorocyclohexane, trans-1,2-	822-86-6	L						3
906	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	G	-157.8	-30	>760			1
907	Dichloroethanol acetate, 1,2-	10140-87-1	L	<-32	79-79.5 @ 33 mm			1.296 @ 20 C	3
908	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane)	111-44-4	L	-51.9	178.5	0.7	20	1.222	3
909	Dichloroethylaluminum	563-43-9	S fuming	32	194			1.222	1
910	Dichloroethylbenzene; (Ethyldichlorobenzene)	1331-29-9	L	<70	220-224			1.208	2
911	Dichloroethylene, 1,2-	540-59-0	L	-80	58-60	222		1.282	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
912	**Dichloroethylene, cis-1,2-**	**156-59-2**	DFI200	96.94	ppm	Y	3.96	H.C.Cl..C.H.Cl
913	**Dichloroethylene, cis-and trans-1,2-**	**156-60-5**	ACK000	96.94	ppm	Y	3.96	C2.H2.Cl2
914	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	DFL000	102.92	ppm	N	4.21	C.H.Cl2.F
915	Dichlorohexane, 1,2-	2162-92-7	N.I.S. etc.	155.07	ppm	N	6.34	C6.H12.Cl2
916	Dichloroisopropyl ether	108-60-1	BII250	171.08	ppm	N	6.99	C6.H12.Cl2.O
917	Dichloromethane-D2	1665-00-5	N.I.S., etc.	86.94	ppm	Y	3.553	C.D2.Cl2
918	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	BID750	173.05	ppm	Y	7.07	C5.H10.Cl2.O2
919	**Dichloromethyl ether; (bis(Chloromethyl)ether)**	**542-88-1**	BIK000	114.96	ppm	Y	4.70	C2.H4.Cl2.O
920	Dichloromethylphenylsilane	149-74-6	DFQ800	191.14	mg/m³	Y	7.81	C7.H8.Cl2.Si
921	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	MOC250	116.91	ppm	Y	4.78	C.H3.Cl2.P
922	Dichlorophene	97-23-4	MJM500	269.13	mg/m³	Y	11.00	C13.H10.Cl2.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
912	**Dichloroethylene, cis-1,2-**	**156-59-2**	L	-80.5	59	400	41	1.291 @ 150	1
913	**Dichloroethylene, cis-and trans-1,2-**	**156-60-5**	L	-50	48	400		1.2743 @ 30.8	2
914	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	G	-135	8.9	>760		1.48	1
915	Dichlorohexane, 1,2-	2162-92-7							
916	Dichloroisopropyl ether	108-60-1	L	>-20	187.8	0.1	20	1.11	3
917	Dichloromethane-D2	1665-00-5	L	-97	40			1.325	2
918	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	L	-32.8	217.5	0.1	20	1.2339 @ 20 C	3
919	**Dichloromethyl ether; (bis(Chloromethyl)ether)**	**542-88-1**	L	-41.5	105			1.315	3
920	Dichloromethylphenylsilane	149-74-6	L		205			1.18 @ 20 C	3
921	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	L		80-81 @ 729 mm			1.3	3
922	Dichlorophene	97-23-4	S	178					3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
923	**Dichlorophenol, 2,4-**	**120-83-2**	DFX800	163.00	ppm	Y	6.66	C6.H4.Cl2.O
924	Dichlorophenol, 2,6-	87-65-0	DFY000	163.00	mg/m³	Y	6.66	C6.H4.Cl2.O
925	Dichlorophenoxyacetic acid, 2,4-; (2,4-D salts and esters)	94-75-7	DAA800	221.04	mg/m³	Y	9.03	Cl2.C6.H3.O.C.H2..C.O.O.H
926	Dichloropropane	26638-19-7	DGF350	112.99	ppm	Y	4.62	C3.H6.Cl2
927	Dichloropropane, 1,1-	78-99-9	DGF400	112.99	ppm	Y	4.62	C3.H6.Cl2
928	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	PNJ400	112.99	ppm	Y	4.62	C.H3.C.HCl.C.H2.Cl
929	Dichloropropane, 1,3-	142-28-9	DGF800	112.99	ppm	Y	4.62	C3.H6.Cl2
930	Dichloropropane, 2,2-	594-20-7	DGF900	112.99	ppm	Y	4.62	C3.H6.Cl2
931	Dichloropropene, 1,1-	563-58-6	DGG750	110.97	ppm	N	4.54	C3.H4.Cl2
932	Dichloropropene, 1,2-	563-54-2	DGG800	110.97	ppm	N	4.54	C3.H4.Cl2
933	Dichloropropene, 1,3-	542-75-6	DGG950	110.97	ppm	Y	4.54	C3.H4.Cl2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
923	**Dichlorophenol, 2,4-**	**120-83-2**	S	45	210	1	53	1.383	3
924	Dichlorophenol, 2,6-	87-65-0	S?						3
925	Dichlorophenoxyacetic acid, 2,4-; (2,4-D salts and esters)	94-75-7	S	137.8	dec	low	20	7.63vap	3
926	Dichloropropane	26638-19-7	L						D
927	Dichloropropane, 1,1-	78-99-9	L		88.3	65.9	25	1.1321 @ 20 C	3
928	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	L	-100.6	96.7	40	20	1.1593	3
929	Dichloropropane, 1,3-	142-28-9	L		120.4			1.20115	2
930	Dichloropropane, 2,2-	594-20-7	L		70.5			1.096	3
931	Dichloropropene, 1,1-	563-58-6	L		76.5			1.1864	D
932	Dichloropropene, 1,2-	563-54-2	L		75			3.83 vapor	2
933	Dichloropropene, 1,3-	542-75-6	L		103-110			1.22	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
934	Dichloropropene, 2,3-	78-88-6	DGH400	110.97	ppm	Y	4.54	C3.H4.Cl2
935	Dichloropropene, cis-1,2-; (1,2-dichloro-1-propene, (Z)	6923-20-2	N.I.S.	110.97	ppm	N	4.54	C3.H4.Cl2
936	Dichloropropene, cis-1,3-	10061-01-5	DGH200	110.97	ppm	Y	4.54	C3.H4.Cl2
937	Dichloropropene, trans-1,3-	10061-02-6	DGH225	110.97	ppm	Y	4.54	C3.H4.Cl2
938	Dichlorosilane	4109-96-0	DGK300	101.01	ppm	N	4.13	Cl.H2.Si
939	Dichlorotetrafluoroethane	1320-37-2	DGL600	170.92	ppm	N	6.99	C2.Cl2.F4
940	Dichlorotetrafluoroethane; (Freon 114, CFC 114)	76-14-2	FOO509	170.92	ppm	N	6.99	CF4.C.Cl2
941	Dichlorovos; (Dichlorvos)	62-73-7	DGP900	220.98	ppm	N	9.03	C4.H7.Cl2.O4.P
942	Dicrotophos	141-66-2	DGQ875	237.22	mg/m³	N	9.70	C8.H16.N.O5.P
943	Dicyclohexano-18-crown-6	16069-36-6	DGV100	372.56	mg/m³	Y	15.23	C20.H36.O6
944	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	N.I.S.	166.30	mg/m³	N	6.797	C6.H11.C6.H11

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
934	Dichloropropene, 2,3-	78-88-6	L		94	53	25	1.211 @ 20 C	3
935	Dichloropropene, cis-1,2-; (1,2-dichloro-1-propene, (Z)	6923-20-2	L		93			3.83 vapor	2
936	Dichloropropene, cis-1,3-	10061-01-5	I		104.3			1.22	3
937	Dichloropropene, trans-1,3-	10061-02-6	L		112	2.47	20	1.217 @ 20C	3
938	Dichlorosilane	4109-96-0	G	-122	8.3				3
939	Dichlorotetrafluoroethane	1320-37-2	G	-94	4.1			1.5312	1
940	Dichlorotetrafluoroethane; (Freon 114, CFC 114)	76-14-2	G	-93.9	3.3	>760		1.5312	1
941	Dichlorovos; (Dichlorvos)	62-73-7	L		120 @ 14 mm				3
942	Dicrotophos	141-66-2	L		400	0.000086	20	1.216 @ 15 C	3
943	Dicyclohexano-18-crown-6	16069-36-6	S wax	38-54	344				3
944	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	L	3.4	227			0.864	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
945	Dicyclohexylcarbodiimide	538-75-0	MDR800	206.37	mg/m³	N	8.43	C13.H22.N2
946	**Dicyclopentadiene**	**77-73-6**	DGW000	132.22	ppm	Y	5.40	C10.H12
947	Dieldrin	60-57-1	DHB400	380.90	mg/m³	N	15.57	C12.H8.Cl6.O
948	Diesel fuel marine; (Diesel fuel No. 4)	z-0012	DHE750		mg/m³	Y		[Unspecified]
949	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	DHE800		mg/m³	Y		[Unspecified]
950	Diesel fuels	68334-30-5	DHE900		mg/m³	Y		[Unspecified]
951	Diethanolamine	111-42-2	DHF000	105.16	mg/m³	Y	4.30	C4.H11.N.O2
952	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (DOWEX-50-X8 resin)	69011-20-7	N.I.S.		mg/m³	N		[Unspecified]
953	Diethoxydimethylsilane	78-62-6	DHG000	148.31	ppm	Y	6.06	C6.H16.O2.Si
954	Diethyl (methylthiomethyl) phosphonate	28460-01-7	N.I.S. etc.	198.22	ppm	Y	8.10	C6.H15.O3.P.S
955	**Diethyl benzene isomers; (Dowtherm J)**	**25340-17-4**	DIU000	134.24	ppm	Y	5.49	C10.H14

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
945	Dicyclohexylcarbodiimide	538-75-0	S	34.5	123 @ 6mm				3
946	**Dicyclopentadiene**	**77-73-6**	L	32.9	166.6	10	47.6	0.976 @ 35C	3
947	Dieldrin	60-57-1	S	176-177				13.2 vapor	3
948	Diesel fuel marine; (Diesel fuel No. 4)	z-0012	L						2
949	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	L					<1	3
950	Diesel fuels	68334-30-5	L						2
951	Diethanolamine	111-42-2	L	28	270	5	138	1.0919	3
952	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (DOWEX-50-X8 resin)	69011-20-7	S						
953	Diethoxydimethylsilane	78-62-6	L		114	10	13.3	0.86	3
954	Diethyl (methylthiomethyl) phosphonate	28460-01-7	L						
955	**Diethyl benzene isomers; (Dowtherm J)**	**25340-17-4**	L	< -31	183.8	1.05	25	0.868	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
956	Diethyl carbonate	105-58-8	DIX200	118.15	ppm	Y	4.829	C5.H10.O3
957	Diethyl chlorophosphate	814-49-3	DIY000	172.56	mg/m³	Y	7.05	C4.H10.Cl.O3.P
958	Diethyl ethylphosphonate	78-38-6	N.I.S.	166.16	mg/m³	N	6.79	C6.H15.O3.P
959	Diethyl malonate; (Ethyl malonate)	105-53-3	EMA500	160.19	ppm	Y	6.55	C7.H12.O4
960	Diethyl mercury	627-44-1	DJO400	258.73	mg/m³	Y	10.57	C4.H10.Hg
961	Diethyl methylphosphonate; (DEMP)	683-08-9	N.I.S.	152.15	mg/m³	N	6.22	C5.H13.O3.P
962	Diethyl oxalate	95-92-1	DJT200	146.16	mg/m³	Y	5.97	C6.H10.O4
963	Diethyl phosphite	762-04-9	DJW400	138.12	mg/m³	N	5.65	C4.H11.O4.P
964	Diethyl phthalate; (Ethyl phthalate)	84-66-2	DJX000	222.26	mg/m³	Y	9.08	C12.H14.O4
965	Diethyl pyrocarbonate	1609-47-8	DIZ100	162.16	mg/m³	N	6.628	C6.H10.O5
966	Diethyl sulfate	64-67-5	DKB110	154.20	ppm	Y	6.30	C4.H19.O4.S

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
956	Diethyl carbonate	105-58-8	L	-43	126	10.8	25	0.9752 @ 20	3
957	Diethyl chlorophosphate	814-49-3	L/S		88-90 @ 15 mm			1.21 @ 20	3
958	Diethyl ethylphosphonate	78-38-6	L		198			1.0259	2
959	Diethyl malonate; (Ethyl malonate)	105-53-3	L	-49.8	198.9	1	40	1.055 @ 20 c	2
960	Diethyl mercury	627-44-1	L		159			2.43	3
961	Diethyl methylphosphonate; (DEMP)	683-08-9							
962	Diethyl oxalate	95-92-1	L	-40.6	185.4	1	47	1.079 @ 20C	3
963	Diethyl phosphite	762-04-9	L		187-188			1.074 @ 20C	2
964	Diethyl phthalate; (Ethyl phthalate)	84-66-2	L	-0.3	302	14	163	1.11	3
965	Diethyl pyrocarbonate	1609-47-8	L		160-163			1.12	3
966	Diethyl sulfate	64-67-5	L	-25	209.5	1	47	1.18	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
967	Diethyl tartrate	87-91-2	N.I.S.	206.19	mg/m³	N	8.427	C8.H14.O6
968	Diethyl telluride	627-54-3	DKB150	185.72	mg/m³	N	7.59	C4.H10.Te
969	Diethylamine	109-89-7	DHJ200	73.16	ppm	Y	2.99	C4.H11.N
970	Diethylaminoacetone	1620-14-0	N.I.S. etc.	129.00	ppm	N	5.27	[Unknown]
971	Diethylaminopropylamine	104-78-9	DIY800	130.27	mg/m³	Y	5.324	C7.H18.N2
972	Diethylaniline, n,n-	91-66-7	DIS700	149.26	mg/m³	N	6.10	C10.H15.N
973	Diethylbenzene, m-	141-93-5	DIU200	134.24	mg/m³	N	5.49	C10.H14
974	Diethylbenzene, o-	135-01-3	DIU300	134.24	mg/m³	N	5.49	C10.H14
975	Diethylene glycol	111-46-6	DJD600	106.14	ppm	Y	4.34	C4.H10.O3
976	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	DJD800	220.36	mg/m³	N	9.01	C10.H24.N2.O3
977	Diethylene glycol diacetate; (2,2'-oxybisethanol diacetate)	628-68-2	DJD750	190.22	mg/m³	N	7.77	C8.H14.O5

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
967	Diethyl tartrate	87-91-2	L	18.7	280			1.24	
968	Diethyl telluride	627-54-3	S	137.5				1.5182 @ 15	3
969	Diethylamine	109-89-7	L	-38.9	55.5	400	38	0.711	3
970	Diethylaminoacetone	1620-14-0							
971	Diethylaminopropylamine	104-78-9	L		165-170			0.82	3
972	Diethylaniline, n,n-	91-66-7	L	-38	215-216			0.9302	2
973	Diethylbenzene, m-	141-93-5	S		181-182				2
974	Diethylbenzene, o-	135-01-3	L	<-20	183.5				1
975	Diethylene glycol	111-46-6	L	-6.5	244-245	0.07	22	1.1184	2
976	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	L		147			1.005	2
977	Diethylene glycol diacetate; (2,2'-oxybisethanol diacetate)	628-68-2	S	18	200			1.1068	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
978	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	BKN750	134.48	ppm	N	5.50	C6.H14.O3
979	Diethylene glycol hexyl ether; (n-Hexyl carbitol;	112-59-4	HFN000	190.32	mg/m³	Y	7.779	C10.H22.03
980	Diethylenetriamine	111-40-0	DJG600	103.20	ppm	Y	4.22	H.N.(C2.H4..N.H2)2
981	Diethylenetriaminepentaacetic acid	67-43-6	DJG800	393.40	mg/m³	N	16.08	C14.H23.N3.O10
982	Diethylethanolamine, N,N-	100-37-8	DHO500	117.22	ppm	Y	4.791	C6.H15.N.O.
983	Diethylphosphatoethyltriethoxy silane	757-44-8	DKD500	328.47	mg/m³	N	13.43	C12.H29.O6.P.Si
984	Diethylstilbestrol; ((E)-4,4-(1,2-diethyl-1,2-ethenediyl)bis-phenol, (E))	56-53-1	DKA600	268.38	mg/m³	N	10.97	C18.H20.O2
985	Diethylthiourea, n,n'-	105-55-5	DKC400	132.25	mg/m³	N	5.41	C5.H12.N2.S
986	Diethylurea, 1,3-	623-76-7	N.I.S.	116.19	ppm	N	4.75	C5.H12.N2.O
987	Diethylzinc	557-20-0	DKE600	123.51	ppm	Y	5.05	(C2.H5)2..Zn
988	Dietylaminoethanol	100-37-8	DHO500	117.09	ppm	Y	4.79	C6.H15.N.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
978	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	L	-68	162			0.9451	3
979	Diethylene glycol hexyl ether; (n-Hexyl carbitol;	112-59-4	L	-33.3	259.1	0.01	20	0.935	2
980	Diethylenetriamine	111-40-0	L	-39	207	0.22	20	0.9586	3
981	Diethylenetriaminepentaacetic acid	67-43-6							2
982	Diethylethanolamine, N,N-	100-37-8	L hygr	-70	162	1.4	20	0.8851 @ 20	3
983	Diethylphosphatoethyltriethoxy silane	757-44-8	S		141 @ 2MM			1.031	1
984	Diethylstilbestrol; ((E)-4,4-(1,2-diethyl-1,2-ethenediyl)bis-phenol, (E))	56-53-1	S	171-172					3
985	Diethylthiourea, n,n'-	105-55-5	S	77					3
986	Diethylurea, 1,3-	623-76-7	S	112.5	263			1.0415 @ 25 C	
987	Diethylzinc	557-20-0	L	-28	118	20.8	25	1.187 @ 18 C	3
988	Dietylaminoethanol	100-37-8	L	-46.67	162	1.4	20	1.1	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
989	**Difluoroethane; (1,1-Difluoroethane; HFC 152a)**	**75-37-6**	ELN500	66.06	ppm	N	2.70	C2.H4.F2
990	Digitoxin	71-63-6	DKL800	765.05	mg/m³	Y	31.27	C41.H64.O13
991	Diglycidyl Ether	2238-07-5	DKM200	130.16	ppm	Y	5.32	C6.H10.O3
992	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	CEQ750	176.24	mg/m³	Y	7.20	C8.H16.O4
993	Digoxin	20830-75-5	DKN400	781.05	mg/m³	N	31.92	C41.H64.O14
994	Dihexyl((diethylcarbamoyl)methyl)phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	N.I.S.etc.	363.48	mg/m³	Y	14.86	C18.H38.N.O4.P
995	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	BOV000	86.10	mg/m³	N	3.52	C4.H6.O2
996	Dihydro-2h-pyran, 3,4-	110-87-2	DMC200	84.13	ppm	N	3.44	O.(C.H2)3..C.H..C.H
997	Dihydro-3-(Nonenyl)-2,5-furandione	28928-97-4	N.I.S.	226.32	mg/m³	N	9.25	C13.H22.O3
998	Dihydro-4-methyl furan, 2,3-	34314-83-5	(MKH000)	84.12	mg/m³	Y	3.44	C5.H8.O
999	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	CKO750	409.81	mg/m³	Y	16.75	H2.Pt.Cl6..6(H2.O)

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
989	**Difluoroethane; (1,1-Difluoroethane; HFC 152a)**	**75-37-6**	L	-117	-26.5	4550	25	1.004 @ 25 C	3
990	Digitoxin	71-63-6	S	256-257					3
991	Diglycidyl Ether	2238-07-5	L		260	0.09	25	1.126 @ 25 C	3
992	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	L	-25	217.4	0.05	20	1.0114	2
993	Digoxin	20830-75-5	S	265 dec					3
994	Dihexyl((diethylcarbamoyl)methyl)phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	S			0.3	168	0.98	2
995	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	L	-44	203-204			1.41 @ 0 C	2
996	Dihydro-2h-pyran, 3,4-	110-87-2	L mobile		86-87			0.922 @ 19C	3
997	Dihydro-3-(Nonenyl)-2,5-furandione	28928-97-4	S		325			1.08	
998	Dihydro-4-methyl furan, 2,3-	34314-83-5	L						3
999	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	S	60				2.431	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1000	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	DMV200	178.15	mg/m³	N	7.28	C9.H6.O4
1001	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	BOX300	88.12	ppm	N	3.60	C4.H8.O2
1002	Dihydroxyanthraquinone, 1,8-	117-10-2	DMH400	240.22	mg/m³	Y	9.82	C14.H8.O4
1003	Dihydroxybenzoic acid, 2,4-	89-86-1	HOE600	154.13	mg/m³	N	6.30	C7.H6.O4
1004	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	N.I.S. etc.	400.28	mg/m³	N	16.36	C10.H10.Na.O10.S2
1005	Diiodomethane; (Methylene iodide)	75-11-6	DNF800	267.83	mg/m³	Y	10.95	C.H2.I2
1006	Diisoamylamine	544-00-3	N.I.S.	157.30	ppm	N	6.429	C10.H22.S
1007	Diisobutyl ketone	108-83-8	DNI800	142.27	ppm	Y	5.81	C9.H18.O
1008	Di-isobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	DNI600	142.25	ppm	N	5.814	[(C.H3)2.C.H.C.H2]2.Al.H
1009	Diisobutylamine	110-96-3	DNH400	129.28	ppm	N	5.28	C8.H10.N
1010	Diisopropyl methylphosphonate	1445-75-6	DNQ875	180.21	mg/m³	N	7.37	C7.H17.O3.P

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1000	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	S	241.3 dec		2.36E-07	25	0.862	3
1001	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	L	7	234	0.0462	25	1.07	3
1002	Dihydroxyanthraquinone, 1,8-	117-10-2	S	193					2
1003	Dihydroxybenzoic acid, 2,4-	89-86-1	S	218-219					D
1004	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	S	300 dec					
1005	Diiodomethane; (Methylene iodide)	75-11-6	L	5 to 6	181			3.33 @ 15C	3
1006	Diisoamylamine	544-00-3	L	-74.6	211			0.8323 @ 20	
1007	Diisobutyl ketone	108-83-8	L		166			0.81	3
1008	Di-isobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	L	-80	140 @ 4 mm			0.798	3
1009	Diisobutylamine	110-96-3	L	-70	139	7.27	25	0.745 @ 20 C	3
1010	Diisopropyl methylphosphonate	1445-75-6	L		663 mm				2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1011	Diisopropyl peroxydicarbonate	105-64-6	DNR400	206.22	mg/m³	Y	8.43	C8.H14.O6
1012	Diisopropylamine	108-18-9	DNM200	101.22	ppm	Y	4.14	C6.H15.N
1013	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	N.I.S.	200.18	mg/m³	Y	8.18	C8.H18.Cl.N.. Cl.H
1014	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0	DNP000	145.28	mg/m³	Y	5.94	C8.H19.N.O
1015	Diisopropylaniline, 2,6-	24544-04-5	DNN630	177.32	mg/m³	N	7.247	C12.H19.N
1016	Diisopropylbenzene, 1,3-	99-62-7	DNN829	162.30	mg/m³	N	6.633	C12.H18
1017	Diisopropylethylamine, n,n-	7087-68-5	N.I.S., etc.	129.24	ppm	N	5.28	C8.H19.N
1018	Diisopropylfluorophosphate; (Phosphorofluoridic acid, bis(1-methylethyl) ester)	55-91-4	IRF000	184.17	mg/m³	N	7.53	C6.H14.F.O3.P
1019	Diisopropylnaphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	BKL600	212.36	mg/m³	N	8.68	C16.H20
1020	**Diketene; (Ketene dimer)**	**674-82-8**	KFA000	84.08	ppm	Y	3.44	C.H..C.C.H2.C.(O).O
1021	Dilauroyl peroxide	105-74-8	LBR000	398.70	mg/m³	Y	16.30	C24.H46.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1011	Diisopropyl peroxydicarbonate	105-64-6	S	36016	17.2			1.080 @ 15 C	3
1012	Diisopropylamine	108-18-9	L		83-84			0.722 @ 220	3
1013	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	S						
1014	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0							2
1015	Diisopropylaniline, 2,6-	24544-04-5	L	-45	257			0.94	2
1016	Diisopropylbenzene, 1,3-	99-62-7	L	-61	203.2	1	34.7	0.856	2
1017	Diisopropylethylamine, n,n-	7087-68-5	L	<-50	126.5			0.742	
1018	Diisopropylfluorophosphate; (Phosphorofluoridic acid, bis(1-methylethyl) ester)	55-91-4	S	-82	185	0.58	25	1.07	3
1019	Diisopropylnaphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	S						2
1020	**Diketene; (Ketene dimer)**	**674-82-8**	L	-6.5	127.4	10	24.3	1.0897	3
1021	Dilauroyl peroxide	105-74-8	S	49	62 dec			0.91 @ 25 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1022	Dimefox; (bis(Dimethylamido)fluorophosphate))	115-26-4	BJE750	154.15	mg/m³	N	6.30	C4.H12.F.N2.O.P
1023	Dimethoate	60-51-5	DSP400	229.27	mg/m³	N	9.37	C3.H12.N.O3.P.S2
1024	Dimethoxybenzene, 1,3-	151-10-0	REF025	138.18	mg/m³	N	5.65	C8.H10.02
1025	Dimethoxybenzene, O-	91-16-7	DOA200	138.18	mg/m³	N	5.65	C8.H10.O2
1026	Dimethoxybenzidene 3,3'-; (o-Dianisidine)	119-90-4	DCJ200	244.32	mg/m³	N	9.99	C14.H16.N2.O3
1027	Dimethoxybutane, 1,3-	10143-66-5	DOB200	118.20	ppm	Y	4.83	C6.H14.O2
1028	Dimethoxybutane, 2,2-	3453-99-4	N.I.S.	118.18	ppm	Y	4.83	C.C.(C.H3.O)2..C.C
1029	Dimethoxydiphenylsilane	6843-66-9	N.I.S.	244.39	mg/m³	N	9.99	C14.H16.O2.Si
1030	Dimethoxyethane, 1,2-	110-71-4	DOE600	90.14	ppm	N	3.68	C4.H10.O2
1031	Dimethoxypropane, 2,2-	77-76-9	DOM400	104.15	ppm	N	4.257	C5.H12.O2
1032	Dimethyglyoxime; (Diacetyldioxime)	95-45-4	DBH000	116.14	mg/m³	N	4.75	C4.H3.N2.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1022	Dimefox; (bis(Dimethylamido)fluorophosphate))	115-26-4	L		67 @ 4 mm	0.11	20	1.115 @ 20 C	3
1023	Dimethoate	60-51-5	S	51-52	107 @ 0.05 mm	1.1 mPa	25	1.277 @ 65 C	3
1024	Dimethoxybenzene, 1,3-	151-10-0	L	-52	217.5			1.0521	2
1025	Dimethoxybenzene, O-	91-16-7	S	22.5	206			1.081	2
1026	Dimethoxybenzidene 3,3'-; (o-Dianisidine)	119-90-4	S	137-8					3
1027	Dimethoxybutane, 1,3-	10143-66-5	L						2
1028	Dimethoxybutane, 2,2-	3453-99-4	L						2
1029	Dimethoxydiphenylsilane	6843-66-9	S		286				
1030	Dimethoxyethane, 1,2-	110-71-4	L	-58	82-83			0.86877	3
1031	Dimethoxypropane, 2,2-	77-76-9	L	-47	83			0.847	3
1032	Dimethyglyoxime; (Diacetyldioxime)	95-45-4	S	238-240					3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1033	Dimethyl butane, 2,2-	75-83-2	DQT200	86.20	ppm	Y	3.52	C6.H14
1034	Dimethyl carbamoyl chloride	79-44-7	DQY950	107.55	ppm	N	4.40	C3.H6.Cl.N.O
1035	Dimethyl carbonate	616-38-6	MIF000	90.09	ppm	Y	3.68	C3.H6.O3
1036	Dimethyl cyclopentanol, 1,3-	19550-46-0	N.I.S. etc.	114.19	mg/m³	N	4.67	C7.H14.O
1037	**Dimethyl disulfide**	**624-92-0**	DRQ400	94.20	ppm	N	3.85	(C.H3)2..S2
1038	Dimethyl hydrogen phosphite	868-85-9	DSG600	110.06	mg/m³	Y	4.50	C2.H5.03.P
1039	Dimethyl mercury	593-74-8	DSM450	230.67	mg/m³	Y	9.43	C2.H6.Hg
1040	Dimethyl methylphosphonate; (DMMP)	756-79-6	DSR400	124.09	mg/m³	N	5.07	C3.H9.O3.P
1041	Dimethyl phosphorochloridothioate	2524-03-0	DTQ600	160.56	mg/m³	N	6.56	C2.H6.Cl.O2.P.S
1042	Dimethyl siloxane; (Syltherm XLT; Silicone 360)	63148-62-9	DUB600 SCR400		mg/m³	N		[Unspecified]
1043	**Dimethyl sulfate**	**77-78-1**	DUD100	126.14	ppm	Y	5.16	(C.H3)2.S.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1033	Dimethyl butane, 2,2-	75-83-2	L	-98.2	49.7	400	31	0.649	3
1034	Dimethyl carbamoyl chloride	79-44-7	L	-33	165-167			1.678	3
1035	Dimethyl carbonate	616-38-6	L	0.5	90.91	55.364	25	1.065 @ 17C	3
1036	Dimethyl cyclopentanol, 1,3-	19550-46-0	L						
1037	**Dimethyl disulfide**	**624-92-0**	L		109.7	28.6	25	1.057	3
1038	Dimethyl hydrogen phosphite	868-85-9	L		56.5 @ 8mm			1.2	3
1039	Dimethyl mercury	593-74-8	L		92			3.1874	3
1040	Dimethyl methylphosphonate; (DMMP)	756-79-6	L		66-68 @10mm				2
1041	Dimethyl phosphorochloridothioate	2524-03-0	L		68 @ 12 mm	4	40	1.326	3
1042	Dimethyl siloxane; (Syltherm XLT; Silicone 360)	63148-62-9	Lvisc						2 D
1043	**Dimethyl sulfate**	**77-78-1**	L	-31.8	188			1.332	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1044	**Dimethyl sulfide; (2-Thiopropane)**	**75-18-3**	TFP000	62.14	ppm	Y	2.54	(C.H3)2.S
1045	Dimethyl sulfone	67-71-0	N.I.S.	94.13	mg/m³	N	3.85	C2.H6.O2.S
1046	Dimethyl sulfoxide; (DMSO)	67-68-5	DUD800	78.14	ppm	Y	3.19	(C.H3)2.S.O
1047	Dimethyl(1-phenylethyl)benzene	40766-31-2	N.I.S.		mg/m³	N		C16.H18
1048	Dimethyl(polysiloxane)	70131-67-8	N.I.S.		mg/m³	N		
1049	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	DVR600	132.18	ppm	Y	5.40	C6.H12.O3
1050	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	AJQ100	102.21	ppm	Y	4.177	C5.H14.N2
1051	Dimethyl-1-butanamine, N,N-	927-62-8	BRB300	101.22	mg/m³	Y	4.137	C6.H15.N
1052	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	N.I.S. etc.	98.17	ppm	N	4.01	C7.H14
1053	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	N.I.S.	151.16	mg/m³	N	6.18	C8.H9.N.O2
1054	Dimethyl-3-pentanone, 2,4-	565-80-0	DTI600	114.21	ppm	N	4.67	C7.H14.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1044	**Dimethyl sulfide; (2-Thiopropane)**	**75-18-3**	L	-83.2	37.5-38	400	19	0.8458	3
1045	Dimethyl sulfone	67-71-0	S	108.9	238			1.1700 @ 10C	
1046	Dimethyl sulfoxide; (DMSO)	67-68-5	L	18.5	189			1.1	2
1047	Dimethyl(1-phenylethyl)benzene	40766-31-2	L						3
1048	Dimethyl(polysiloxane)	70131-67-8	L					1	
1049	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	L	-26.4	75	70	20	1.065	1
1050	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	L	-70	123	10	30	0.8100 @ 30	3
1051	Dimethyl-1-butanamine, N,N-	927-62-8	L	<-60	95			721	2
1052	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	L	-124.2	91.5			0.7124	3
1053	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	L	15	240			1.1402 @ 20C	
1054	Dimethyl-3-pentanone, 2,4-	565-80-0	L	-69	125.4			0.8108	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1055	Dimethyl-5-phenylphenazinium chloride, 3,7-, diamino 2,8-; (Safranine; Gossypimine)	477-73-6	GJI400	350.88	mg/m³	N	14.34	C20.H19.N4..Cl
1056	Dimethylacetamide, n,n-	127-19-5	DOO800	87.14	ppm	Y	3.56	C4.H9.N.O
1057	Dimethylacrylamide, N,N-	2680-03-7	DOP800	99.15	mg/m³	Y	4.05	C5.H9.N.O
1058	**Dimethylamine**	**124-40-3**	DOQ800	45.10	ppm	Y	1.84	(C.H3)2..N.H
1059	Dimethylamino)benzaldehyde, p-(	100-10-7	DOT400	149.21	mg/m³	N	6.10	C9.H11.N.O
1060	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, P-((P-(; (Methyl orange,sodium salt)	547-58-0	MND600	327.36	mg/m³	N	13.38	C14.H14.N3.O3.S..Na
1061	Dimethylaminoazobenzene, 4-	60-11-7	DOT300	225.32	mg/m³	N	9.21	C14.H15.N3
1062	Dimethylaminoethanol, 2-	108-01-0	DOY800	89.16	ppm	Y	3.64	C4.H11.N.O
1063	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	DRC000	144.06	mg/m³	Y	5.888	C4.H10.Cl.N..Cl.h
1064	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	N.I.S. etc.	134.18	mg/m³	Y	5.484	C5.H14.N2.O2
1065	Dimethylaniline, N,N-	121-69-7	DQF800	121.20	ppm	Y	4.95	C8.H11.N

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1055	Dimethyl-5-phenylphenazinium chloride, 3,7-, diamino 2,8-; (Safranine; Gossypimine)	477-73-6	S						3
1056	Dimethylacetamide, n,n-	127-19-5	L	-20	165	1.3	25	0.943 @ 20 C	2
1057	Dimethylacrylamide, N,N-	2680-03-7							3
1058	**Dimethylamine**	**124-40-3**	G	-92.2	6.7	>760		0.680 gas	3
1059	Dimethylamino)benzaldehyde, p-(	100-10-7	S	74	176-177 @17mm				2
1060	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, P-((P-(; (Methyl orange,sodium salt)	547-58-0	S	>300	dec.				3
1061	Dimethylaminoazobenzene, 4-	60-11-7	S	115					3
1062	Dimethylaminoethanol, 2-	108-01-0	L	-59	135			0.8866 @ 20c	3
1063	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	S	201					3
1064	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	L		60-61			1.05	3
1065	Dimethylaniline, N,N-	121-69-7	L	2.5	193.1	0.7	25	0.9557 @20C	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1066	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	TGJ750	212.32	mg/m³	Y	8.68	C14.H16.N2
1067	Dimethylbutyric acid, 2,2-	595-37-9	N.I.S., etc.	116.16	mg/m³	Y	4.748	C2.H5.C(C.H3)2.C.O2.H
1068	Dimethylcyclohexane, cis-1,4-	624-29-3	N.I.S.	112.22	ppm	N	4.59	C6.H10.(C.H3)2
1069	Dimethyldecane, 2,2-	17302-37-3	N.I.S. etc.	170.34	ppm	Y	6.96	C12.H26
1070	**Dimethyldichlorosilane**	**75-78-5**	DFE259	129.06	ppm	Y	5.27	C2.H6.Cl2.Si
1071	Dimethyldicyclopentadiene	26472-00-4	N.I.S.	160.28	mg/m³	N	6.551	C12.H16
1072	Dimethyldimethoxysilane	1112-39-6	DOE100	120.25	mg/m³	Y	4.915	C4.H12.O2.Si
1073	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	BRM250	90.14	ppm	Y	3.68	C.H3.C.O.O.H
1074	**Dimethylformamide, N,N-**	**68-12-2**	DSB000	73.11	ppm	Y	2.99	H.C.O.N..(C.H3)2
1075	Dimethylheptane, 2,2-	1071-26-7	N.I.S. etc.	128.26	ppm	Y	5.24	C9.H2.0
1076	Dimethylhexane, 3,3-	563-16-6	N.I.S. etc.	114.23	ppm	Y	4.67	C8.H18

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1066	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	S	129-131					2
1067	Dimethylbutyric acid, 2,2-	595-37-9	L	-14	94-96			0.928	2
1068	Dimethylcyclohexane, cis-1,4-	624-29-3	L	-87.4	124.4			0.7829	3
1069	Dimethyldecane, 2,2-	17302-37-3							
1070	**Dimethyldichlorosilane**	**75-78-5**	L	-86	70	139	25	1.06	3
1071	Dimethyldicyclopentadiene	26472-00-4	L	-51	200	7.5	47.8	0.941	
1072	Dimethyldimethoxysilane	1112-39-6	L		81.4			0.864	1
1073	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	L	-8	89dec	3.07	20	0.86	2
1074	**Dimethylformamide, N,N-**	**68-12-2**	L	-61.1	152.8	4	25	0.945	3
1075	Dimethylheptane, 2,2-	1071-26-7	L	-113	132.7			0.7105 @ 20 C	
1076	Dimethylhexane, 3,3-	563-16-6	L	-126.1	111.9			0.7100 @ 20 C	

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1077	**Dimethylhydrazine, 1,1-**	**57-14-7**	DSF400	60.12	ppm	N	2.46	(C.H3)2..N.N..H2
1078	**Dimethylhydrazine, 1,2-**	**540-73-8**	DSF600	60.12	ppm	N	2.46	C2.H8.N2
1079	Dimethylimidizole, 1,2-	1739-84-0	N.I.S.	96.15	mg/m³	Y	3.930	C5.H8.N2
1080	Dimethylisopropylamin, n,n-	996-35-0	N.I.S.	87.16	mg/m³	N	3.563	C5.H13.N
1081	Dimethylnonane, 4,5.	17302-23-7	N.I.S.	156.31	ppm	Y	6.39	C11.H24
1082	Dimethyloctane, 3,5-	15869-93-9	N.I.S.	142.28	ppm	N	5.82	C10.H22
1083	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	XKJ500	122.18	mg/m³	N	4.99	C8.H10.O
1084	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	XLA000	122.18	mg/m³	Y	4.99	C8.H10.O
1085	Dimethylphthalate	131-11-3	DTR200	194.20	mg/m³	N	7.94	C6.H4.(C.O.O.C.H3)2
1086	Dimethylpolysilane	28883-63-8	N.I.S., etc.		mg/m³	Y		(C2.H6.Si)x
1087	Dimethyl-p-phenylenediamine, N,N-	99-98-9	DTL600	136.22	mg/m³	N	5.57	C8.H12.N2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1077	**Dimethylhydrazine, 1,1-**	**57-14-7**	L	-57.8	63.9	157	25	0.782	3
1078	**Dimethylhydrazine, 1,2-**	**540-73-8**	L	-9	81			0.8274	3
1079	Dimethylimidizole, 1,2-	1739-84-0	S	37-39	204	1	20	1.084	
1080	Dimethylisopropylamin, n,n-	996-35-0							
1081	Dimethylnonane, 4,5.	17302-23-7	L						
1082	Dimethyloctane, 3,5-	15869-93-9	L		159.4			0.7328	
1083	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	L	26	210.8	0.102	25	0.9650 @ 20 C	3
1084	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	S	48-49	203	0.274	25		3
1085	Dimethylphthalate	131-11-3	L	5.6	283.9	0.01	20	1.189	2
1086	Dimethylpolysilane	28883-63-8	S						
1087	Dimethyl-p-phenylenediamine, N,N-	99-98-9	S/L	41	262	0.0001	25	1.036 @ 20 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1088	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	NCH000	72.17	ppm	Y	2.95	C5.H12
1089	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	LIY990	107.17	ppm	Y	4.38	C7.H9.N
1090	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	N.I.S. etc.	226.37	mg/m³	N	9.25	C6.H18.O5..Si2
1091	Dimetilan	644-64-4	DQZ000	240.30	mg/m³	N	9.82	C10.H16.N4.O3
1092	Di-N-amylamine	2050-92-2	DCH200	157.34	ppm	Y	6.43	C10.H23.N
1093	Di-n-butylamine	111-92-2	DDT800	129.28	ppm	Y	5.28	(C4.H9)2..N.H
1094	Dinitraniline orange; (Hansa orange RN)	3468-63-1	DVB800	338.30	mg/m³	N	13.83	C16.H10.N4.O5
1095	Dinitroaniline, 2,4-	97-02-9	DUP600	183.14	mg/m³	Y	7.49	C6.H5.N3.O4
1096	Dinitrobenzene, m-	99-65-0	DUQ200	168.12	mg/m³	N	6.87	C6.H4.N2.O4
1097	Dinitrobenzene, o-	528-29-0	DUQ400	168.12	mg/m³	N	6.87	C6.H4.N2.O4
1098	Dinitrobenzene, p-	100-25-4	DUQ600	168.12	mg/m³	N	6.87	C6.H4.N2.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1088	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	G/L	-16.6	9.5	1290	25	0.613 @ 0 C	3
1089	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	L	-6.1	145.7	5.65	25	0.9226 @ 25 C	3
1090	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	S						
1091	Dimetilan	644-64-4	S	68-71	200-210 @13mm	0.000097	20		3
1092	Di-N-amylamine	2050-92-2	L	-7.85	202.5	0.153	20	0.777	3
1093	Di-n-butylamine	111-92-2	L	-61.9	159.6	2		0.7613	3
1094	Dinitraniline orange; (Hansa orange RN)	3468-63-1							D
1095	Dinitroaniline, 2,4-	97-02-9	S	188	[56.7]	5.94E-07	25	1.615	3
1096	Dinitrobenzene, m-	99-65-0	S	89	291			1.546	3
1097	Dinitrobenzene, o-	528-29-0	S	118	319			1.571 @ 0 C	3
1098	Dinitrobenzene, p-	100-25-4	S	173	299	<1	20	1.625 @ 18 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1099	Dinitro-o-cresol, 4,6- and salts	534-52-1	DUS700	198.15	mg/m³	Y	8.10	C7.H6.N2.O5
1100	Dinitrophenol	25550-58-7	DUY600	184.12	mg/m³	Y	7.53	C6.H4.N2.O5
1101	Dinitrophenol, 2,3-	66-56-8	DUY900	184.12	mg/m³	Y	7.53	C6.H4.N2.O5
1102	Dinitrophenol, 2,4-	51-28-5	DUZ000	184.12	mg/m³	Y	7.53	C6.H4.N2.O5
1103	Dinitrophenol, 2,6-	573-56-8	DVA200	184.12	mg/m³	Y	7.53	C6.H4.N2.O5
1104	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	DVI100	197.17	mg/m³	N	8.06	C7.H7.N3.O4
1105	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	DVF200	144.16	mg/m³	N	5.89	C4.H8.N4.O2
1106	Dinitrotoluene	25321-14-6	DVG600	182.15	mg/m³	N	7.44	C6.H3.C.H3.(N.O2)2
1107	Dinitrotoluene 2,4-	121-14-2	DVH000	182.15	mg/m³	N	7.44	C7.H6.N2.O4
1108	Dinitrotoluene 2,6-	606-20-2	DVH400	182.15	mg/m³	N	7.44	C7.H6.N2.O4
1109	Dinitrotoluene, 3,4-	610-39-9	DVH600	182.15	mg/m³	Y	7.44	C7.H6.N2.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1099	Dinitro-o-cresol, 4,6- and salts	534-52-1	S	85.8					3
1100	Dinitrophenol	25550-58-7	S						3
1101	Dinitrophenol, 2,3-	66-56-8	S	144				1.681	3
1102	Dinitrophenol, 2,4-	51-28-5	S	112				1.683	3
1103	Dinitrophenol, 2,6-	573-56-8	S	63					3
1104	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	S	171-172					3
1105	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	S	158					3
1106	Dinitrotoluene	25321-14-6	S	70	300	1	20		3
1107	Dinitrotoluene 2,4-	121-14-2	S	69.5	300			1.521	3
1108	Dinitrotoluene 2,6-	606-20-2	S?						3
1109	Dinitrotoluene, 3,4-	610-39-9	S	61				1.2594 @ 111 c	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1110	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	BRE500	240.24	mg/m³	N	9.82	C10.H12.N2.O5
1111	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	DRV200	240.24	mg/m³	N	9.82	C10.H12.N2.O5
1112	Dioctyl phthalate, n-	117-84-0	DVL600	390.62	mg/m³	Y	15.97	C24.H38.O4
1113	Dioctyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	BJS250	426.76	mg/m³	N	17.44	C26.H50.O4
1114	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	DJL000	445.63	mg/m³	Y	18.21	C20.H38.O7.S.Na
1115	**Dioxane, 1,4-**	**123-91-1**	DVQ000	88.11	ppm	Y	3.60	(C.H2)4.O2
1116	Dioxathion	78-34-2	DVQ709	456.56	mg/m³	N	18.66	C12.H26.O6.P2.S4
1117	Dioxine; (TCDD; 2,3,7,8-tetrachlorodibenzo-p-dioxin)	1746-01-6	TAI000	321.96	mg/m³	Y	13.16	C12.H4.Cl4.O2
1118	Dioxolane, 1,3-	646-06-0	DVR800	74.09	ppm	Y	3.03	C3.H6.O2
1119	Dipentaerythritol; (Dipentek)	126-58-9	N.I.S.	254.26	mg/m³	N	10.39	C10.H22.O7
1120	Dipentyl pentylphosphonate	6418-56-0	N.I.S.	292.45	mg/m³	N	11.95	C15.H33.O3.P

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1110	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	S						3
1111	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	S	125.5-126.5					3
1112	Dioctyl phthalate, n-	117-84-0	S						2
1113	Dioctyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	L	-48	256 @ 5 mm			0.914 @ 20 C	2
1114	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	S	155	dec			1.1 @ 20C	3
1115	**Dioxane, 1,4-**	**123-91-1**	L	11.7	101.1	29	20	1.0353	3
1116	Dioxathion	78-34-2	L	-20	60-68 @ 0.5 mm			1.257 @ 26 C	3
1117	Dioxine; (TCDD; 2,3,7,8-tetrachlorodibenzo-p-dioxin)	1746-01-6	S	305					3
1118	Dioxolane, 1,3-	646-06-0	L	-95	78			1.066	2
1119	Dipentaerythritol; (Dipentek)	126-58-9	S	212-220				1.33	
1120	Dipentyl pentylphosphonate	6418-56-0	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1121	Diphacinone; (Diphenadione)	82-66-6	DVV600	340.39	mg/m³	N	13.91	C23.H16.O3
1122	Diphenyl mercury (aryl compound)	587-85-9	DWD800	354.81	mg/m³	Y	14.50	C12.H10.Hg
1123	Diphenyl o-cresol phosphate; (Diphenyl cresol phosphate)	26444-49-5	TGY750	340.31	mg/m³	N	13.91	C19.H17.O4.P
1124	Diphenyl; (Biphenyl)	92-52-4	BGE000	154.22	mg/m³	N	6.30	(C6.H5)2
1125	Diphenylamine	122-39-4	DVX800	169.24	mg/m³	N	6.92	C12.H11.N
1126	Diphenylboronic acid	524-95-8	N.I.S.	225.12	mg/m³	N	9.20	C14.H16.B.N.O
1127	Diphenylguanidine, 1,3-	102-06-7	DWC600	211.29	mg/m³	N	8.64	C13.H13.N3
1128	Diphenylhydrazine, 1,2-	122-66-7	HHG000	184.26	mg/m³	N	7.53	C12.H12.N2
1129	Diphenylmethane	101-81-5	N.I.S.	168.25	mg/m³	Y	6.88	C13.H12
1130	Diphenylnitrosamine	86-30-6	DWI000	198.24	mg/m³	Y	8.10	C12.H10.N2.O
1131	Diphenyloxazole, 2,5-	92-71-7	DWI200	221.27	mg/m³	N	9.04	C15.H11.N.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1121	Diphacinone; (Diphenadione)	82-66-6	S	147		13.7 nPa	25	1.281 @ 25 C	3
1122	Diphenyl mercury (aryl compound)	587-85-9	S	122 subl				2.318	3
1123	Diphenyl o-cresol phosphate; (Diphenyl cresol phosphate)	26444-49-5	L	-38	390			1.208	2
1124	Diphenyl; (Biphenyl)	92-52-4	S	68.9	253.9	0.158		0.991	3
1125	Diphenylamine	122-39-4	S	52.9	302	1	108	1.16	3
1126	Diphenylboronic acid	524-95-8							
1127	Diphenylguanidine, 1,3-	102-06-7	S	150	170 dec			1.115	3
1128	Diphenylhydrazine, 1,2-	122-66-7	S	131	dec			1.58	3
1129	Diphenylmethane	101-81-5	L-S	25.9	264.5	1	76	1.008	
1130	Diphenylnitrosamine	86-30-6	S	66.5				1.23	3
1131	Diphenyloxazole, 2,5-	92-71-7	S	74					2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1132	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	N.I.S.	167.12	mg/m³	N	6.83	C7.H5.N.O4
1133	Dipotassium cadmium oxide	z-0013	N.I.S. etc.	222.61	mg/m³	N	9.10	K2.Cd.O2
1134	Dipotassium dihydrogen silicate	z-0014	N.I.S. etc.	172.28	mg/m³	N	7.04	K2.H2.Si.O2
1135	Dipotassium metasilicate	10006-28-7	N.I.S.	154.26	mg/m³	N	6.30	K2.Si.O3
1136	Dipotassium zirconium oxide	z-0015	N.I.S. etc.	217.42	mg/m³	Y	8.89	K2.Zr.O3
1137	Dipropyl ketone; (4-Heptanone)	123-19-3	DWT600	114.21	ppm	Y	4.67	C7.H14.O
1138	Dipropylamine	142-84-7	DWR000	101.22	mg/m³	N	4.14	C6.H15.N
1139	Dipropylene glycol methyl ether	34590-94-8	DWT200	148.23	ppm	Y	6.06	C7.H16.O3
1140	Direct Black 38; (Apomine black GX)	1937-37-7	AQP000	781.78	mg/m³	Y	31.95	C34.H25.N9.O7.S2..2Na
1141	Di-sec-octylphthalate	117-81-7	DVL700	390.62	mg/m³	N	15.97	C22.H38.O4
1142	Disodium (2-ethylhexyl)phosphate	18541-72-5	N.I.S. etc.	155.00	mg/m³	N	6.34	[Unknown]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1132	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	S	252					
1133	Dipotassium cadmium oxide	z-0013	S						
1134	Dipotassium dihydrogen silicate	z-0014	S						
1135	Dipotassium metasilicate	10006-28-7	S						
1136	Dipotassium zirconium oxide	z-0015	S						
1137	Dipropyl ketone; (4-Heptanone)	123-19-3	L	-32.6	144	5.2	20	0.815	3
1138	Dipropylamine	142-84-7	L	-63	110			0.741	3
1139	Dipropylene glycol methyl ether	34590-94-8	L		190			0.951	2
1140	Direct Black 38; (Apomine black GX)	1937-37-7	S						3
1141	Di-sec-octylphthalate	117-81-7	L	-46	231 @ 5 mm			0.986	3
1142	Disodium (2-ethylhexyl)phosphate	18541-72-5							

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1143	Disodium 3,6-endoxohexahydrophthalate	129-67-9	DXD000	230.14	mg/m³	N	9.41	C8.H8.O5..2Na
1144	Disodium butylphosphate	64114-42-7	N.I.S.	200.00	mg/m³	N	8.17	C4.H11.04.P..2Na
1145	Disodium cadmium oxide	z-0016	N.I.S. etc.	190.39	mg/m³	N	7.78	Na2.Cd.O2
1146	Disodium dihydrogen silicate	z-0017	N.I.S. etc.	140.08	mg/m³	N	5.73	[Unknown]
1147	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	N.I.S.	220.10	mg/m³	N	9.00	C6.H12.N2.O4..2Na
1148	Disodium hexafluorosilicate, 2-	16893-85-9	DXE000	188.07	mg/m³	Y	7.69	F6.Si..2Na
1149	Disodium iminodiacetate; (IDA)	928-72-3	N.I.S.	177.08	ppm	N	7.24	C4.H5.N.O4..2Na
1150	Disulfiram	97-77-8	DXH250	296.56	mg/m³	Y	12.12	C10.H20.N2.S4
1151	Disulfoton	298-04-4	DXH325	274.42	mg/m³	N	11.22	C8.H19.O2.P.S3
1152	Di-tert-butyl dicarbonate	24424-99-5	N.I.S.	218.28	mg/m³	N	8.921	C10.H18.O5
1153	Di-tert-butyl-hydroquinone, 2,5-	88-58-4	DEC800	222.35	mg/m³	N	9.09	C14.H22.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1143	Disodium 3,6-endoxohexahydrophthalate	129-67-9	S	144				1.431	3
1144	Disodium butylphosphate	64114-42-7							
1145	Disodium cadmium oxide	z-0016	S						
1146	Disodium dihydrogen silicate	z-0017	S						
1147	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	S						
1148	Disodium hexafluorosilicate, 2-	16893-85-9	S					2.7	3
1149	Disodium iminodiacetate; (IDA)	928-72-3	S						
1150	Disulfiram	97-77-8	S	70	117			1.3	3
1151	Disulfoton	298-04-4	S	>-25	132-133 @ 1.5 mm	0.000054	20	1.144 @ 20 C	3
1152	Di-tert-butyl dicarbonate	24424-99-5	L	23	56-57 @ 0.5 mm			0.949	
1153	Di-tert-butyl-hydroquinone, 2,5-	88-58-4	S	213.5					2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1154	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	DJT800	519.51	mg/m³	N	21.23	C23.H24.N2.S2..I
1155	Dithiobiuret	541-53-7	DXL800	135.22	mg/m³	N	5.53	C2.H5.N3.S2
1156	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	DXM600	154.26	mg/m³	N	6.30	C4.H10.O2.S2
1157	Dithioerythritol, 1,4-	6892-68-8	DXN350	154.26	mg/m³	N	6.30	C4.H10.O2.S2
1158	Diurethane dimethacrylate	72869-86-4	N.I.S.	470.56	mg/m³	N	19.232	C23.H38.N2.O8
1159	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	DXQ745	130.20	ppm	Y	5.32	C10.H10
1160	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	DXQ740	130.20	ppm	Y	5.32	C10.H10
1161	Dodecamethylcyclohexasiloxane	540-97-6	N.I.S.	445.02	mg/m³	N	18.19	C12.H36.O6.Si6
1162	Dodecane	112-40-3	DXT200	170.38	ppm	Y	6.96	C12.H26
1163	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	LBX000	202.44	ppm	N	8.274	C12.H26.S
1164	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	N.I.S.	266.38	mg/m³	N	10.887	C16.H26.O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1154	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	S	248		0.00001	25		3
1155	Dithiobiuret	541-53-7	S	181	dec			1.522 @ 30 C	3
1156	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	L	26	160			1.261	3
1157	Dithioerythritol, 1,4-	6892-68-8	L						3
1158	Diurethane dimethacrylate	72869-86-4	S		200			1.11	1
1159	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	L	-87	195-200	0.579	25	0.918	2
1160	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	L	-87	195-200	0.579	25	0.918	1
1161	Dodecamethylcyclohexasiloxane	540-97-6	S						
1162	Dodecane	112-40-3	L	-9.6	216.3	0.135	25	0.749	2
1163	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	L	-7	142-145	0.00853	20	0.8450 @ 20C	3
1164	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	S	41-43	180-182	<1	20		

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1165	Dodecenylsuccinic anhydride	25377-73-5	DXV000	266.38	mg/m³	N	10.89	C16.H27.O3
1166	Dodecyl alcohol	112-53-8	DXV600	186.38	mg/m³	Y	7.62	C12.H26.O
1167	Dodecyl methacrylate	142-90-5	DXY200	254.46	ppm	Y	10.40	C16.H30.O2
1168	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfoni acid)	27176-87-0	LBU100	326.54	mg/m³	N	13.35	C18.H30.O3.S
1169	Dodecylphenol, 4-; (mixture of isomers)	27193-86-8	DXY600	262.48	mg/m³	N	10.73	C18.H30.O
1170	Dodecylsarcosine sodium salt, N-; (N-laurel sarcosine sodium salt)	7631-98-3	DXZ000	279.45	mg/m³	N	11.42	C13.H30.N.O2.Na
1171	Dodenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	TEC600	266.38	mg/m³	N	10.887	C16H.H26.O3
1172	Dowex 50WX4; (50-400 ion exchange resin)	11113-61-4	N.I.S. etc.	196.04	mg/m³	N	8.01	(Unknown)
1173	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	N.I.S.	223.09	mg/m³	N	9.118	C9.H12..Cl2.O2
1174	Dysprosium	7429-91-6	DYG400	162.50	mg/m³	N	6.642	Dy
1175	Dysprosium nickelide	12175-27-8	(DYG400)	221.19	mg/m³	N	9.04	Dy.Ni

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1165	Dodecenylsuccinic anhydride	25377-73-5	L		180-182 @ 5mm			1.002	3
1166	Dodecyl alcohol	112-53-8	S	24	145-148	259		0.830-6	2
1167	Dodecyl methacrylate	142-90-5	L	-29	142 @ 4mm	0.0012	20	0.868 @ 20C	1
1168	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0							2
1169	Dodecylphenol, 4-; (mixture of isomers)	27193-86-8	L/S	66	175			0.93 @ 20c	2
1170	Dodecylsarcosine sodium salt, N-; (N-laurel sarcosine sodium salt)	7631-98-3	S						3
1171	Dodenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	L		350			1.005	2
1172	Dowex 50WX4; (50-400 ion exchange resin)	11113-61-4	S						
1173	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	L		64-67 @ 0.2 torr			1.17	
1174	Dysprosium	7429-91-6	S	1409	2335			8.54	3
1175	Dysprosium nickelide	12175-27-8	S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1176	Dysprosium nitrate	10143-38-1	DYH100	348.60	mg/m³	N	14.25	Dy.(N.O3)3
1177	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	N.I.S.	373.00	mg/m³	N	15.25	Dy2.O3
1178	Ecolite	z-0018	N.I.S.		mg/m³	N		[Unspecified]
1179	Emetine dihydrochloride, 1-	316-42-7	EAN000	553.63	mg/m³	Y	22.63	C29.H40.N2.O4..2(Cl.H)
1180	Endosulfan	115-29-7	EAQ750	406.91	mg/m³	N	16.63	C9.H6.Cl6.O3.S
1181	Endothion	2778-04-3	EAS000	280.25	mg/m³	N	11.45	C9.H13.O6.P.S
1182	Endrin	72-20-8	EAT500	380.90	mg/m³	N	15.57	C12.H8.Cl6O
1183	Epibatadine (nicotine-like)	z-0019	zz BNL input		mg/m³	N		[Unknown]
1184	Epibromohydrin	3132-64-7	BNI000	136.99	mg/m³	N	5.60	C3.H5.Br.O
1185	**Epichlorohydrin**	**106-89-8**	EAZ500	92.53	ppm	Y	3.78	C3.H5.O.Cl
1186	Epinephrine; (Vasotonin; (R)-4-(1-hydroxy-2-(methylamino)ethyl)-1,2-Benzenediol)	51-43-4	VGP000	183.23	mg/m³	N	7.49	C9.H13.N.O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1176	Dysprosium nitrate	10143-38-1	S	88.6					3
1177	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	S	2408				7.81	
1178	Ecolite	z-0018							
1179	Emetine dihydrochloride, 1-	316-42-7	S	255		0.00001	25		3
1180	Endosulfan	115-29-7	S	106-212				1.745	3
1181	Endothion	2778-04-3	S	96					3
1182	Endrin	72-20-8	S	200	dec	<<1	20		3
1183	Epibatadine (nicotine-like)	z-0019	L (?)						
1184	Epibromohydrin	3132-64-7	L	-40	135			1.601	3
1185	**Epichlorohydrin**	**106-89-8**	L	-47.8	116.7	13	20	1.1761	3
1186	Epinephrine; (Vasotonin; (R)-4-(1-hydroxy-2-(methylamino)ethyl)-1,2-Benzenediol)	51-43-4	S	216					3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1187	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	EBD700	323.32	mg/m³	N	13.21	C14.H14.N.O4.P.S
1188	Epoxy resin; (Epichlorhydrin + diethylene glycol)	25928-94-3	ECK500		mg/m³	N		[Unspecified]
1189	Epoxy resin (EPON 1001)	25068-38-6a	EBG000		mg/m³	Y		(C15.H16.O2..C3.H5.Cl.O)x
1190	Epoxy resin (EPON 1007)	25068-38-6b	EBG500		mg/m³	Y		(C15.H16.O2..C3.H5.Cl.O)x
1191	Epoxy resin (EPON 820)	25068-38-6c	EBF500		mg/m³	N		(C15.H16.O2..C3.H5.Cl.O)x
1192	Epoxy resin ERL-2795	25068-38-6d	ECL000		mg/m³	N		(C15.H16.O2..C3.H5.Cl.O)x
1193	Epoxy resin, cured	30583-72-3	ECL500		mg/m³	N		(C15.H28.O2..C3.H5.Cl.O)x
1194	Epoxy resin; (Epichlorohydrin-bisphenol A resin)	25036-25-3	N.I.S.		mg/m³	N		(C21.H24.O4..C15.H16.O2)x
1195	Epoxybutane, 1,2- ; (1,2-Butylene oxide)	106-88-7	BOX750	72.12	ppm	Y	2.95	C4.H8.O
1196	Epoxyethyl)-7-oxabicyclo(4.1.0)heptane, 3-(; (Vinyl cyclohexene dioxide)	106-87-6	VOA000	140.20	ppm	Y	5.73	C8.H12.O2
1197	Erbium nitrate pentahydrate	10031-51-3	N.I.S. etc.	443.35	mg/m³	N	18.12	Er.(N.O3)3..5(H2.O)

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1187	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	L/S	36	215 @ 5mm	0.126 mPa	25	1.268 @ 25C	3
1188	Epoxy resin; (Epichlorhydrin + diethylene glycol)	25928-94-3	S						3
1189	Epoxy resin (EPON 1001)	25068-38-6a	S						2
1190	Epoxy resin (EPON 1007)	25068-38-6b	S						2
1191	Epoxy resin (EPON 820)	25068-38-6c	S						2
1192	Epoxy resin ERL-2795	25068-38-6d	S						2
1193	Epoxy resin, cured	30583-72-3	S						D
1194	Epoxy resin; (Epichlorohydrin-bisphenol A resin)	25036-25-3	S						2
1195	Epoxybutane, 1,2- ; (1,2-Butylene oxide)	106-88-7	L	-150	63.3	180	25	0.8312	3
1196	Epoxyethyl)-7-oxabicyclo(4.1.0)heptane, 3-(; (Vinyl cyclohexene dioxide)	106-87-6	L	-55	227			1.098 @ 20C	3
1197	Erbium nitrate pentahydrate	10031-51-3	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1198	Erbium(III) nitrate	10168-80-6	ECY500	353.29	mg/m³	N	14.44	N3.O9.Er
1199	Erbium(III) nitrate hexahydrate	13476-05-6	ECZ000	461.41	mg/m³	N	18.86	N3.O9..Er..6(H2.O)
1200	Erbium(III) oxide	12061-16-4	N.I.S.	382.52	mg/m³	Y	15.63	Er2.O3
1201	Ergocalciferol; (Vitamin D2)	50-14-6	VSZ100	396.72	mg/m³	N	16.21	C28.H44.O
1202	Ergotamine tartrate	379-79-3	EDC500	1313.56	mg/m³	N	53.69	C66.H70.N10.O10..C4.H6.O6
1203	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	N.I.S. etc.		mg/m³	N		(Unknown)
1204	Ethane	74-84-0	EDZ000	30.08	ppm	N	1.23	C2.H6
1205	Ethanedioic acid, dimethyl ester	553-90-2	N.I.S.	118.09	mg/m³	N	4.83	C4.H6.O4
1206	Ethanedithiol, 1,2-	540-63-6	EEB000	94.20	ppm	N	3.85	C2.H6.S2
1207	Ethanediyl)bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	BFX500	182.28	mg/m³	N	7.45	C14.H14
1208	Ethanediylbis(n-(carboxy-methyl)-glycine), N,N'-1,2-, dipotassium salt	2001-94-7	EEB100	368.46	mg/m³	N	15.06	C10.H14.N2.O8..2K

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1198	Erbium(III) nitrate	10168-80-6	S						3
1199	Erbium(III) nitrate hexahydrate	13476-05-6	S	130 lose water					3
1200	Erbium(III) oxide	12061-16-4	S	2344	3920			8.64	
1201	Ergocalciferol; (Vitamin D2)	50-14-6	S	115-118					3
1202	Ergotamine tartrate	379-79-3	S	203 dec					3
1203	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	S					1.1-1.2	
1204	Ethane	74-84-0	G	-172	-88.6	760	BP	0.446 as liq	3
1205	Ethanedioic acid, dimethyl ester	553-90-2	S	54.8	163.5			1.148	
1206	Ethanedithiol, 1,2-	540-63-6	L	-41.2	146	5.68	25	1.124	3
1207	Ethanediyl)bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	S	52	284			1.00	3
1208	Ethanediylbis(n-(carboxy-methyl)-glycine), N,N'-1,2-, dipotassium salt	2001-94-7	S						1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1209	Ethanediylbis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	N.I.S.	214.26	mg/m³	N	8.76	C14.H14.O2
1210	**Ethanethiol; (Ethyl mercaptan)**	**75-08-1**	EMB100	62.14	ppm	Y	2.54	C2.H6.S
1211	Ethanol, titanium(4+) salt	3087-36-3	N.I.S.	232.16	mg/m³	N	9.49	4(C2.H6.O)..Ti
1212	Ethanolamine	141-43-5	EEC600	61.10	ppm	Y	2.50	N.H2..C.H2..C.H2..O.H
1213	Ethenylsilanetriol triacetate	4130-08-9	N.I.S.	232.26	mg/m³	N	9.49	C8.H12.O6..Si
1214	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	DBV400	394.35	mg/m³	N	16.12	C21.H20.N3..Br
1215	Ethion	563-12-2	EEH600	384.49	mg/m³	N	15.71	C9.H22.O4.P2.S4
1216	Ethoxyethanol, 2-	110-80-5	EES350	90.14	ppm	N	3.68	C2.H5O.C.H2.C.H2..O.H
1217	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	CBR000	134.20	ppm	Y	5.48	C6.H14.O3
1218	Ethoxyethyl methacrylate, 2-	2370-63-0	N.I.S.	158.20	mg/m³	N	6.47	C8.H14.O3
1219	Ethoxyethylacetate, 2-	111-15-9	EES400	132.18	ppm	Y	5.40	C6.H12.O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1209	Ethanediylbis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	S	95	182 @17mm				
1210	**Ethanethiol; (Ethyl mercaptan)**	**75-08-1**	L	-121	36.1			0.8391	3
1211	Ethanol, titanium(4+) salt	3087-36-3	L						
1212	Ethanolamine	141-43-5	L>10.6	10.6	170.6	0.4	20	1.012	3
1213	Ethenylsilanetriol triacetate	4130-08-9	L	7	112 @13mm			1.16	
1214	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	S	238-240					3
1215	Ethion	563-12-2	L	-13	165 @ 0.3mm			1.31 @ 20 C	3
1216	Ethoxyethanol, 2-	110-80-5	L	-90	135.1	3.8	20	3.1	3
1217	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	L		201.9			0.986	2
1218	Ethoxyethyl methacrylate, 2-	2370-63-0	S						
1219	Ethoxyethylacetate, 2-	111-15-9	L	-61	156.4	1.2	20	0.9748	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1220	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-(; (Checkmate)	74051-80-2	CDK800	327.53	mg/m³	N	13.39	C17.H29.N.O3.S
1221	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6	AFJ170		mg/m³	N		
1222	Ethoxylated alcohols, C7-C21	68991-48-0	N.I.S. etc.		mg/m³	Y		[Unspecified]
1223	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	NND500		mg/m³	Y		(C2.H4O)n..C15.H24.O (n=5-15)
1224	Ethyhexyloxy)ethanol, 2-(2-	1559-35-9	EKX500	174.32	mg/m³	Y	7.12	C10.H22.O2
1225	Ethyl (or dimethyl) pyrrolidine	z-0020	N.I.S. etc.	99.00	mg/m³	N	4.05	[Unspecified]
1226	Ethyl acetate	141-78-6	EFR000	88.12	ppm	Y	3.60	C.H3.C.O.O.C2..H5
1227	Ethyl acetoacetate	141-97-9	EFS000	130.16	mg/m³	Y	5.32	C6.H10.O3
1228	**Ethyl acrylate**	**140-88-5**	EFT000	100.13	ppm	Y	4.09	C5.H8.O2
1229	Ethyl Alcohol D; (Ethanol D)	925-93-9	N.I.S. etc.	47.07	ppm	N	1.924	C2.H5.O.D
1230	Ethyl alcohol; (ethanol)	64-17-5	EFU000	46.08	ppm	N	1.88	C2.H5.O.H

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1220	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-(; (Checkmate)	74051-80-2	S						2
1221	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6	S	44-48				1.02	2
1222	Ethoxylated alcohols, C7-C21	68991-48-0							
1223	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	L						2
1224	Ethyhexyloxy)ethanol, 2-(2-	1559-35-9	L		227.7				2
1225	Ethyl (or dimethyl) pyrrolidine	z-0020							
1226	Ethyl acetate	141-78-6	L	-83.6	77.2	100	27	0.8946	3
1227	Ethyl acetoacetate	141-97-9	L	-45	180.8	0.78	25	1.0282 @ 20C	2
1228	**Ethyl acrylate**	**140-88-5**	L	-71.2	99.8	29.3	20	0.916-9	3
1229	Ethyl Alcohol D; (Ethanol D)	925-93-9	L	-130	78			0.806	
1230	Ethyl alcohol; (ethanol)	64-17-5	L	<-130	78.3	43	20	0.7893	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1231	Ethyl amyl ketone; (3-Octanone)	106-68-3	ODI000	128.24	ppm	Y	5.24	C8.H16.O
1232	Ethyl benzene	100-41-4	EGP500	106.18	ppm	Y	4.34	C8.H10
1233	Ethyl benzoate	93-89-0	EGR000	150.19	mg/m³	N	6.138	C9.H10.O2
1234	Ethyl bromoacetate	105-36-2	EGV000	167.02	ppm	Y	6.826	C4.H7.Br.O2
1235	Ethyl butyl ketone; (3-Heptanone)	106-35-4	EHA600	114.21	ppm	Y	4.67	C7.H14.O
1236	Ethyl cellulose	9004-57-3	EHG100		mg/m³	Y		(Unknown)
1237	Ethyl chloride	75-00-3	EHH000	64.52	ppm	Y	2.64	C2.H5.Cl
1238	Ethyl chloroacetate	105-39-5	EHG500	122.56	ppm	Y	5.009	C4.H7.Cl.O2
1239	**Ethyl chloroformate**	**541-41-3**	EHK500	108.53	ppm	Y	4.44	C3.H5.Cl.O2
1240	**Ethyl dimethylamido-cyanophosphate; (Tabun; GA)**	**77-81-6**	EIF000	162.15	ppm	N	6.63	C5.H11.N2.O2.P
1241	Ethyl ether	60-29-7	EJU000	74.14	ppm	Y	3.03	C4.H10.O

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1231	Ethyl amyl ketone; (3-Octanone)	106-68-3	L		157-162	2	20	0.822 @ 20C	3
1232	Ethyl benzene	100-41-4	L	-94.9	136.2	10	26	0.8669	3
1233	Ethyl benzoate	93-89-0	L	-34.6	213.4	1	44	1.048 @ 20	2
1234	Ethyl bromoacetate	105-36-2	L	<-20	158.8	2.6	25	1.5032 @ 20	3
1235	Ethyl butyl ketone; (3-Heptanone)	106-35-4	L	-36.7	149-152			0.8198 @ 20C	3
1236	Ethyl cellulose	9004-57-3	S	240-255				1,07-1.18	1
1237	Ethyl chloride	75-00-3	G	-138.9	12.2	>760	20	0.917	3
1238	Ethyl chloroacetate	105-39-5	L	-27	144	10	37.5	1.145	3
1239	**Ethyl chloroformate**	**541-41-3**	L/S	-80.6	94	22.4	25	1.1442 @ 15 C	3
1240	**Ethyl dimethylamido-cyanophosphate; (Tabun; GA)**	**77-81-6**	L	-49.4	238 dec	0.07	25	1.073	3
1241	Ethyl ether	60-29-7	L	-116.2	34.6	442	20	0.7135	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1242	Ethyl formate	109-94-4	EKL000	74.09	ppm	N	3.028	C3.H6.O2
1243	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	BRI250	144.24	mg/m³	Y	5.90	C8.H16.O2
1244	Ethyl lactate; (Ethyl (s)-(-)-lactate)	687-47-8	N.I.S.	118.13	mg/m³	N	4.828	C5.H10.O3
1245	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	CHC500	265.11	mg/m³	Y	10.84	C2.H5.Cl.Hg
1246	Ethyl methacrylate, (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	EMF000	114.16	ppm	Y	4.67	C6.H10.O2
1247	Ethyl nitrite	109-95-5	ENN000	75.08	ppm	N	3.07	C2.H5.N.O3
1248	Ethyl O-2-diisopropylaminoethylmethylphosphonite, QL O-	57856-11-8	N.I.S.	223.33	mg/m³	N	9.13	C11.H26.N.O2.P
1249	Ethyl propionate	105-37-3	EPB500	102.15	ppm	Y	4.18	C5.H10.O2
1250	Ethyl s,s-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	EIN000	242.36	mg/m³	N	9.91	C8.H19.O2.P.S2
1251	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	N.I.S.	106.05	mg/m³	N	4.335	C2.H6.O3..Si
1252	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	EKV000	146.26	ppm	Y	5.978	C8.H18.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1242	Ethyl formate	109-94-4	L	-79	54.3	100	5.4	0.9236 @ 20	3
1243	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	L		225-228	0.03	20	0.9031	2
1244	Ethyl lactate; (Ethyl (s)-(-)-lactate)	687-47-8	L/S	25	154	3.75	25	1.042	2
1245	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	S	196-198					3
1246	Ethyl methacrylate, (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	L	<-75	119	20.59	20	0.911 @ 25 C	3
1247	Ethyl nitrite	109-95-5	L	-50	17			0.900 @ 15.5 C	3
1248	Ethyl O-2-diisopropylaminoethylmethylphosphonite, QL O-	57856-11-8							
1249	Ethyl propionate	105-37-3	L	-72.6	99	40	27.2	0.891 @ 20C	3
1250	Ethyl s,s-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	L	-13	86-91 @ 0.2 mm	3.80E-04	20-25	1.094@ 20	3
1251	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	S						
1252	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	L	-40	243.1	<0.01	20	0.9422 @ 20C	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1253	**Ethyl-1-hexanol, 2-**	**104-76-7**	EKQ000	130.26	ppm	Y	5.32	C8.H18.O
1254	Ethyl-2-methylheptane, 3-	14676-29-0	N.I.S., etc.	142.28	ppm	N	5.82	C.C.(C.H3)..C..(C2.H5). C.C.C.C
1255	Ethyl-2-methyloctane, 6-	z-0021	N.I.S. etc.	156.31	ppm	N	6.39	C11.H24
1256	Ethyl-2-oxazoline, 2-	10431-98-9	N.I.S.	99.13	ppm	Y	4.052	C5.H9.N.O.
1257	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid rthy ester; Ethyl acetimidae hydrochloride)	120-47-8	HJL000	166.19	mg/m³	N	6.792	C9.H10.O3
1258	Ethyl-5-methylheptane, 3-	52896-90-9	N.I.S. etc.	142.28	ppm	N	5.82	C10.H22
1259	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3	MBV775	266.34	mg/m³	N	10.89	C16.H19.O2..Na
1260	Ethylamine; (Monoethylamine; Ethylamine anhydrous)	75-04-7	EFU400	45.10	ppm	Y	1.84	C2.H7.N
1261	Ethylbenzaldehyde, 2-	22927-13-5	N.I.S.	134.18	ppm	Y	5.48	C9.H100
1262	Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine)	538-07-8	BID250	170.10	mg/m³	N	6.95	C6.H13.Cl2.N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1253	**Ethyl-1-hexanol, 2-**	**104-76-7**	L	<76	184-185	0.2	20	0.834	2
1254	Ethyl-2-methylheptane, 3-	14676-29-0	L		163			0.7398	
1255	Ethyl-2-methyloctane, 6-	z-0021	L						
1256	Ethyl-2-oxazoline, 2-	10431-98-9	L	-62	128.4			0.982	3
1257	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid rthy ester; Ethyl acetimidae hydrochloride)	120-47-8	S	116	297-298				2
1258	Ethyl-5-methylheptane, 3-	52896-90-9	L		158.2			0.7368 @ 25 C	
1259	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3	S (?)						D
1260	Ethylamine; (Monoethylamine; Ethylamine anhydrous)	75-04-7	L	-80.6	16.6	400	20	0.662 @ 20 C	3
1261	Ethylbenzaldehyde, 2-	22927-13-5	S		83 @ 1 mmHg			0.979	
1262	Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine)	538-07-8	L	-34	194 dec	0.25	25	1.09	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1263	Ethylene	74-85-1	EIO000	28.06	ppm	N	1.15	C2.H4
1264	Ethylene chlorohydrin	107-07-3	EIU800	80.52	ppm	Y	3.29	C2.H5.Cl.O
1265	Ethylene dibromide	106-93-4	EIY500	187.88	ppm	Y	7.68	Br.C.H2.C.H2.Br
1266	**Ethylene dichloride; (1,2-Dichloroethane)**	**107-06-2**	EIY600	98.96	ppm	Y	4.04	Cl.C.H2.C.H2.Cl
1267	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	FIE000	64.07	ppm	N	2.62	C2.H5.F.O
1268	Ethylene glycol	107-21-1	EJC500	62.08	ppm	Y	2.54	C.H2..O.H..C.H2..O.H
1269	Ethylene glycol diacetate	111-55-7	EJD759	146.16	mg/m³	N	5.974	C6.H10.O4
1270	Ethylene glycol dimethacrylate	97-90-5	BKM250	198.10	mg/m³	Y	8.10	C10.H14.O4
1271	Ethylene Glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	EJJ500	118.15	ppm	N	4.83	C5.H10.O3
1272	Ethylene glycol monomethyl ether; (2-Methoxyethano EGME; Methyl Cellosolve(R))	109-86-4	EJH500	76.11	ppm	Y	3.11	C3.H8.O2
1273	Ethylene glycol monopropyl ether; (Propyl cellosolve, Ektasolve EP)	2807-30-9	PNG750	104.17	ppm	Y	4.26	C5.H12.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1263	Ethylene	74-85-1	G	-169.4	-103.9	5.12E+4	25	0.61	3
1264	Ethylene chlorohydrin	107-07-3	L	-69	128.8	10	30.3	1.197 @20/4	3
1265	Ethylene dibromide	106-93-4	L	10	131.1	12	20	2.178	3
1266	**Ethylene dichloride; (1,2-Dichloroethane)**	**107-06-2**	L	-35.6	83.3	64	20	1.257	3
1267	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	L	-26.45	103.5	21.25	25	1.1040 @ 20 C	3
1268	Ethylene glycol	107-21-1	L	-22.2	197.2	0.05	20	1.113	3
1269	Ethylene glycol diacetate	111-55-7	L	-31	190-191	0.0774	25	1.104	2
1270	Ethylene glycol dimethacrylate	97-90-5	L	-40	260			1.055 @ 20C	2
1271	Ethylene Glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	L	-70	143	2	20	1.005 @ 20	3
1272	Ethylene glycol monomethyl ether; (2-Methoxyethano EGME; Methyl Cellosolve(R))	109-86-4	L	-86.5	124.5	6.2	20	0.966	3
1273	Ethylene glycol monopropyl ether; (Propyl cellosolve, Ektasolve EP)	2807-30-9	L		150 @ 743			0.914	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1274	Ethylene glycol mono-sec-butyl ether	7795-91-7	EJJ000	118.20	mg/m³	Y	4.83	C6.H14.O2
1275	**Ethylene oxide; (Oxirane)**	**75-21-8**	EJN500	44.06	ppm	Y	1.80	C.H2..O..C.H2
1276	Ethylene/vinyl acetate copolmer	24937-78-8	N.I.S.		mg/m³	N		(C4.H6.O2..C2.H4)x
1277	Ethylenediamine dihydrochloride	333-18-6	EIW000	133.04	mg/m³	N	5.44	C2.H8.N2..2(Cl.H)
1278	**Ethylenediamine, 1,2-**	**107-15-3**	EEA500	60.12	ppm	Y	2.46	C2.H8.N2
1279	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	EIX500	336.24	mg/m³	N	13.74	C10.H14.N2.O8..2Na
1280	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	N.I.S.	372.28	mg/m³	N	15.22	C10.H14.N2.O8.. 2Na 2(H2.O)
1281	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	N.I.S.	362.10	mg/m³	N	14.80	C10.H12.Fe.N2.O8..H4.N
1282	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	N.I.S.	416.20	mg/m³	Y	17.01	C10.H12.N2.O8..4Na..2(H2.O)
1283	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)	64-02-8	EIV000	380.20	mg/m³	Y	15.54	C10.H16.N2.O8
1284	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	EIX000	292.28	mg/m³	N	11.95	C10.H16.N2.O8

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1274	Ethylene glycol mono-sec-butyl ether	7795-91-7	S (?)						2
1275	**Ethylene oxide; (Oxirane)**	**75-21-8**	G	-112.8	10.6	>760		0.8711	3
1276	Ethylene/vinyl acetate copolmer	24937-78-8	S	100				1.07	
1277	Ethylenediamine dihydrochloride	333-18-6	S	subl.					3
1278	**Ethylenediamine, 1,2-**	**107-15-3**	L	8.5	117.2	10.7	20	0.8994	3
1279	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	S						3
1280	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	S	248 dec					
1281	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	S						2
1282	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	S						2
1283	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)	64-02-8	S	220	240 dec				3
1284	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	S	245	dec				3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1285	Ethylenedinitrilo)tetra-2-propanol, 1,1',1",1'"-(	102-60-3	QAT000	292.48	mg/m³	N	11.95	C14.H32.N2.O4
1286	**Ethyleneimine**	**151-56-4**	EJM900	43.08	ppm	Y	1.76	(C.H2)2.N.H
1287	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	IAQ000	102.17	mg/m³	Y	4.18	C3.H6.N2.S
1288	Ethylheptane, 4-	2216-32-2	N.I.S.	128.26	ppm	N	5.24	C9.H20
1289	Ethylhexyl acrolate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	ADU250	184.31	ppm	Y	7.53	C11.H20.O2
1290	Ethylhexyl bromide, 2-	18908-66-2	N.I.S.	193.20	mg/m³	N	7.90	C8.H17.Br
1291	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	DFF809	98.96	ppm	N	4.04	C.H.Cl2.C.H3
1292	**Ethylidene norbornene**	**16219-75-3**	ELO500	120.19	ppm	Y	4.91	C9.H12
1293	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	N.I.S.	88.82	mg/m³	N	3.630	C2.H5.Cl.Mg
1294	**Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)**	**50782-69-9**	EIG000	267.41	ppm	N	10.93	C11.H26..N.O2.P.S
1295	Ethylthiocyanate	542-90-5	EPP000	87.15	mg/m³	N	3.56	C3.H5.N.S

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1285	Ethylenedinitrilo)tetra-2-propanol, 1,1',1'',1'''-(	102-60-3	L/S	31-32	190			1.478	2
1286	**Ethyleneimine**	**151-56-4**	L	-71.7	56.1	160	20	0.832	3
1287	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	S	199-204					3
1288	Ethylheptane, 4-	2216-32-2	L		141.2			0.7241	
1289	Ethylhexyl acrolate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	L	-90	214-218	1	50	0.8869 @ 20C	3
1290	Ethylhexyl bromide, 2-	18908-66-2	L	69.44	75-77 @ 16 mm			1.086	
1291	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	L	-97.2	57.2	182	20	1.174	3
1292	**Ethylidene norbornene**	**16219-75-3**	L		70.2-70.4 @ 58 mm				3
1293	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	S					0.978	
1294	**Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)**	**50782-69-9**	L?						3
1295	Ethylthiocyanate	542-90-5	L	-85.5	145	4	25	1.020 @ 16 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1296	Ethyltoluene, o-	611-14-3	EPS500	120.21	mg/m³	N	4.91	C9.H12
1297	Ethyltoluene, p-	622-96-8	EPT000	120.21	mg/m³	N	4.91	C9.H12
1298	Europium	7440-53-1	N.I.S.	151.96	mg/m³	N	6.21	Eu
1299	Europium (Ii) Iodide	22015-35-6	N.I.S.	405.77	mg/m³	N	16.584	Eu.I2
1300	Europium nitrate; (Europium trinitrate)	10138-01-9	ERC550	337.99	mg/m³	N	13.81	Eu.(N.O3)3
1301	Europium oxide	1308-96-9	N.I.S.	351.93	mg/m³	N	14.38	Eu2.O3
1302	Farnesol	4602-84-0	FAB800	222.41	mg/m³	N	9.090	C15.H26.O
1303	Fenamiphos	22224-92-6	FAK000	303.39	mg/m³	N	12.40	C13.H22.N.O3.P.S
1304	Fensulfothion	115-90-2	FAQ800	308.37	mg/m³	N	12.60	C11.H17.O4.P.S2
1305	Fenthion	55-38-9	FAQ900	278.34	mg/m³	N	11.38	C10.H15.O3.P.S2
1306	Ferric ammonium citrate	1185-57-5	FAS700	709.44	mg/m³	N	29.00	C6.H8.O7.xFe.xH4.N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1296	Ethyltoluene, o-	611-14-3	L		164.1			0.88	3
1297	Ethyltoluene, p-	622-96-8	L	-62.4	162.2				1
1298	Europium	7440-53-1	S	826	1489			5.24	3
1299	Europium (Ii) Iodide	22015-35-6	S	580					
1300	Europium nitrate; (Europium trinitrate)	10138-01-9	S						3
1301	Europium oxide	1308-96-9	S	2350				7.42	
1302	Farnesol	4602-84-0	L		110 - 113			0.8871 @ 20	2
1303	Fenamiphos	22224-92-6	S	49.2	450	0.000001	25	1.15 @ 20 C	3
1304	Fensulfothion	115-90-2	L		440	0.00005	25	1.202 @ 20 C	3
1305	Fenthion	55-38-9	L	7	87 @ 0.01 mm	4 mPa	20	1.25	3
1306	Ferric ammonium citrate	1185-57-5	S					1.8 @ 20 C	1

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1307	Ferric ammonium sulfate dodecahydrate	7783-83-7	N.I.S.	482.26	mg/m³	N	19.71	Fe..N.H4..2(S.O4)..12(H2.O)
1308	Ferric ammonium sulfate; Sulfuric acid, ammonium iron(3e+) salt (2:1:1)	10138-04-2	N.I.S.	269.02	mg/m³	N	11.00	Fe.N.H3.2(H2.S.O4)
1309	Ferric chloride	7705-08-0	FAU000	162.20	mg/m³	Y	6.63	Cl3.Fe
1310	Ferric chloride hexahydrate	10025-77-1	FAW000	270.32	mg/m³	Y	11.05	Cl3.Fe..6(H2.O)
1311	Ferric fluoride	7783-50-8	FAX000	112.85	mg/m³	Y	4.61	Fe.F3
1312	Ferric hydroxide	1309-33-7	N.I.S.	106.87	mg/m³	N	4.37	Fe.(O.H)3
1313	Ferric nitrate	10421-48-4	FAY200	241.88	mg/m³	N	9.89	Fe.(N.O3)3..9(H2.O)
1314	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	IHC000	404.06	mg/m³	Y	16.51	N3.O9..Fe..9(H2.O)
1315	Ferric phosphate	10045-86-0	N.I.S.	153.84	mg/m³	N	6.29	Fe.H3.O4.P
1316	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	FBA000	399.88	mg/m³	N	16.34	Fe2.(S.O4)3
1317	Ferrous ammonium sulfate	10045-89-3	N.I.S.	284.07	mg/m³	N	11.61	Fe.(S.O4).(N.H4)..2(S.O4).6(H2.O)

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1307	Ferric ammonium sulfate dodecahydrate	7783-83-7	S	39-41				1.71	
1308	Ferric ammonium sulfate; Sulfuric acid, ammonium iron(3e+) salt (2:1:1)	10138-04-2	S						
1309	Ferric chloride	7705-08-0	S hygr	303	315	1	194	2.9	3
1310	Ferric chloride hexahydrate	10025-77-1	S	37				1.82	3
1311	Ferric fluoride	7783-50-8	S	1000				3.52	3
1312	Ferric hydroxide	1309-33-7	S	500	dec			3.65	
1313	Ferric nitrate	10421-48-4	S	47.2	125 dec			1.684	2
1314	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	S deliq	47.2	decomp			1.68 @ 21 C	2
1315	Ferric phosphate	10045-86-0	S					2.87	3
1316	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	S	480 dec				3.097	D
1317	Ferrous ammonium sulfate	10045-89-3	S	100-110				1.865	

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1318	Ferrous carbonate	563-71-3	FBH100	115.86	mg/m³	N	4.74	Fe..C.O3
1319	Ferrous chloride	7758-94-3	FBI000	126.75	mg/m³	N	5.18	Cl2'Fe
1320	Ferrous disulfide; (Iron disulfide)	12068-85-8	IGV000	119.97	mg/m³	N	4.90	Fe.S2
1321	Ferrous hydroxide	18624-44-7	N.I.S.	89.86	mg/m³	N	3.67	Fe.(O.H)2
1322	Ferrous sulfamate	14017-39-1	N.I.S.	250.02	mg/m³	N	10.22	Fe2.H3..N.O3.S
1323	Ferrous sulfate	7720-78-7	FBN100	151.91	mg/m³	N	6.21	Fe.S.O4
1324	Ferrous sulfate heptahydrate	7782-63-0	FBO000	278.05	mg/m³	N	11.36	Fe.S.O4..7(H2.O)
1325	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	N.I.S.		mg/m³	N		Bx.Siy.Oz
1326	Fluenetil	4301-50-2	FDB200	258.31	mg/m³	N	10.56	C16.H15.F.O2
1327	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	FDD125	87.82	mg/m³	Y	3.59	B.F4.H
1328	Fluoranthene	206-44-0	FDF000	202.26	mg/m³	N	8.27	C16.H10

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1318	Ferrous carbonate	563-71-3	S	dec				3.9	1
1319	Ferrous chloride	7758-94-3	Shygr	676	1012	10	700	3.16	3
1320	Ferrous disulfide; (Iron disulfide)	12068-85-8							
1321	Ferrous hydroxide	18624-44-7	S	140 dec				3.4	
1322	Ferrous sulfamate	14017-39-1	S						
1323	Ferrous sulfate	7720-78-7	S hygr					1.89	3
1324	Ferrous sulfate heptahydrate	7782-63-0	S	64				2.99 - 3.08	3
1325	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	S						
1326	Fluenetil	4301-50-2	S			0.0000025	25		3
1327	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	L		130 dec			1.84	2
1328	Fluoranthene	206-44-0	S	110	250-251	0.01	20		3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1329	Fluorene, 9H-	86-73-7	FDI100	166.23	mg/m³	N	6.79	C13.H10
1330	Fluorides (as F)	16984-48-8	FEX875	19.00	mg/m³	Y	0.78	[Unspecified]
1331	**Fluorine**	**7782-41-4**	FEZ000	38.00	ppm	Y	1.55	F2
1332	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	N.I.S.	141.10	mg/m³	N	5.767	F.C6.H4.N.O2
1333	Fluoro-4-nitrophenol, 2-	403-19-0	N.I.S. etc.	157.10	mg/m³	Y	6.42	C6.H4.F.N.O3
1334	Fluoro-6-nitrophenol, 2-	1526-17-6	N.I.S. etc.	157.10	mg/m³	Y	6.42	C6.H4.F.N.O3
1335	Fluoroacetamide	640-19-7	FFF000	77.07	mg/m³	N	3.15	C2.H4.F.N.O
1336	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	SHG500	100.03	mg/m³	Y	4.09	C2.H2.F.O2..Na
1337	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	FIC000	78.05	mg/m³	N	3.19	C2.H3.F.O2
1338	Fluoroacetyl chloride	359-06-8	FFR000	96.49	mg/m³	N	3.94	C2.H2.Cl.F.O
1339	Fluoroaniline, p-	371-40-4	FFY000	111.13	mg/m³	Y	4.542	C6.H6.F.N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1329	Fluorene, 9H-	86-73-7	S	116	295 dec				1
1330	Fluorides (as F)	16984-48-8	S						3
1331	**Fluorine**	**7782-41-4**	G	-219.4	-188.3	>760	20	1.695 vap	3
1332	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	S	27	206-207			1.338	2
1333	Fluoro-4-nitrophenol, 2-	403-19-0	S	120-122					
1334	Fluoro-6-nitrophenol, 2-	1526-17-6							
1335	Fluoroacetamide	640-19-7	S	107-109	250	0.001	25		3
1336	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	S	200					3
1337	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	S	35.3	167-168	1.9	25	1.393 @36 C	3
1338	Fluoroacetyl chloride	359-06-8	L		73	80	25		3
1339	Fluoroaniline, p-	371-40-4	L	-1.9	188	1	25	1.1725 @ 20	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1340	Fluorobenzene	462-06-6	FGA000	96.11	mg/m³	Y	3.93	C6.H5.F
1341	Fluorotrimethylsilane	420-56-4	N.I.S.	92.00	ppm	Y	3.76	(C.H3)3.Si.F
1342	Fluorouracil	51-21-8	FMM000	130.09	mg/m³	Y	5.32	C4.H3.F.N2.O2
1343	Fonofos	944-22-9	FMU045	246.34	mg/m³	N	10.07	C10.H15.O.P.S2
1344	Food Red 15; (FD&C Red No. 19)	81-88-9	FAG070	479.06	mg/m³	N	19.58	C28.H31.N2.O3..Cl
1345	Forane	26675-46-7	IKS400	184.50	ppm	N	7.54	C3.H2.Cl.F5.O
1346	**Formaldehyde**	**50-00-0**	FMV000	30.03	ppm	Y	1.23	H.C.H.O
1347	Formaldehyde cyanohydrin; (Hydroxyacetonitrile; Glycolonitrile)	107-16-4	HIM500	57.06	ppm	Y	2.33	C2.H3.N.O
1348	Formamide	75-12-7	FMY000	45.05	ppm	Y	1.84	C.H3.N.O
1349	Formetanate hydrochloride	23422-53-9	DSO200	257.75	mg/m³	N	10.53	C11.H15.N3.O2.Cl.H
1350	Formic acid	64-18-6	FNA000	46.03	ppm	Y	1.88	H.C.O.O.H

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1340	Fluorobenzene	462-06-6	L	-40	85.2			1.024	3
1341	Fluorotrimethylsilane	420-56-4	L						3
1342	Fluorouracil	51-21-8	S	282-283	361	0.00001	25		3
1343	Fonofos	944-22-9	L		380	0.00021	25	1.16 @ 25 C	3
1344	Food Red 15; (FD&C Red No. 19)	81-88-9	S						2
1345	Forane	26675-46-7							2
1346	**Formaldehyde**	**50-00-0**	G	-118?	-19	>760	20	1.083	3
1347	Formaldehyde cyanohydrin; (Hydroxyacetonitrile; Glycolonitrile)	107-16-4	L	<-72	183	1.8	25	1.1	3
1348	Formamide	75-12-7	L	2.5	70.5	29.7	129.4	1.134	3
1349	Formetanate hydrochloride	23422-53-9	S	102	440	0.0000001	25		3
1350	Formic acid	64-18-6	L	8.3	100.8	35	20	1.22	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1351	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	AGH000	86.10	mg/m³	N	3.52	C4.H6.O2
1352	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	BRK000	102.15	ppm	N	4.18	C5-H10-O2
1353	Formothion	2540-82-1	DRR200	257.28	mg/m³	N	10.52	C6.H12.N.O4.P.S2
1354	Formparanate	17702-57-7	FNE500	235.32	mg/m³	N	9.62	C12.H17.N3.O2
1355	Formylpiperidine, 1-	2591-86-8	FOH000	113.18	ppm	N	4.63	C6.H11.N.O.
1356	Fosthietan	21548-32-3	DHH200	241.28	mg/m³	N	9.86	C6.H12.N.O3.P.S2
1357	Fuberidazole	3878-19-1	FQK000	184.21	mg/m³	N	7.53	C11H8N2O
1358	Fuel oil, residual	68476-33-5	FOP200		mg/m³	N		[Unspecified]
1359	Fuller's earth; (Kaolin, 1332-58-7)	8031-18-3	KBB600		mg/m³	N		Aluminum magnesium silicate
1360	Fulminic acid; (Carbyloxime)	506-85-4	FOS050	43.02	ppm	N	1.76	CHNO
1361	Fumaric acid	110-17-8	FOU000	116.08	mg/m³	Y	4.74	C4.H4.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1351	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	L		83			0.948 @ 18 C	3
1352	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	L	-90	106	40	31.6	0.911	3
1353	Formothion	2540-82-1	L	25-26	250	0.0000085	25	1.361 @ 20 C	3
1354	Formparanate	17702-57-7	S		385	0.0000025	25		3
1355	Formylpiperidine, 1-	2591-86-8	L	-30.8	222.5			1.019	3
1356	Fosthietan	21548-32-3	L		250	0.0000065	25	1.3 @ 25 C	3
1357	Fuberidazole	3878-19-1	S	286		0.00001	25		3
1358	Fuel oil, residual	68476-33-5	L						3
1359	Fuller's earth; (Kaolin, 1332-58-7)	8031-18-3	S						1
1360	Fulminic acid; (Carbyloxime)	506-85-4	L unstabl						3
1361	Fumaric acid	110-17-8	S	300-302	290	0.000154	25	1.635 @ 20C	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1362	**Furan**	**110-00-9**	FPK000	68.08	ppm	**N**	2.78	**C4.H4O**
1363	**Furancarboxaldehyde, 2-; (Furfural)**	**98-01-1**	FPQ875	96.09	ppm	Y	3.93	O.C.H..C.H.C.H..C.C.O.H
1364	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	EKM000	140.15	ppm	Y	5.73	C7.H8.O3
1365	Furfuryl alcohol	98-00-0	FPU000	98.11	ppm	Y	4.01	C5.H6.O2
1366	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	FQS000	466.58	mg/m³	Y	19.07	C24.H34.O9
1367	Gadolinium	7440-54-2	GAF000	157.25	mg/m³	N	6.43	Gd
1368	Gadolinium chloride hexahydrate, (anhydrous)	13450-84-5	N.I.S.	371.72	mg/m³	N	15.193	Gd.Cl3..6(H2.O)
1369	Gadolinium hydroxide	16469-18-4	N.I.S.	208.27	mg/m³	N	8.51	Gd.(O.H)3
1370	Gadolinium nitrate, solid	10168-81-7	GAL000	343.28	mg/m³	N	14.03	Gd.(N.O3)3
1371	Gadolinium nitrite	z-0022	N.I.S. etc.	295.25	mg/m³	N	12.07	Gd.(N.O2)3
1372	Gadolinium(III) oxide	12064-62-9	GAP000	362.50	mg/m³	Y	14.82	Gd2.O3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1362	**Furan**	**110-00-9**	**L**	**-86.7**	**31.4**	**600**	**25**	**0.964**	**3**
1363	**Furancarboxaldehyde, 2-; (Furfural)**	**98-01-1**	L		162 @ 764mm			1.154-1.158	3
1364	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	S	34	195				
1365	Furfuryl alcohol	98-00-0	L	-31	171	1	31.8	1.129	3
1366	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	S	151-152					2
1367	Gadolinium	7440-54-2	S	1312	3273			7.898	2
1368	Gadolinium chloride hexahydrate, (anhydrous)	13450-84-5	S						
1369	Gadolinium hydroxide	16469-18-4	S						
1370	Gadolinium nitrate, solid	10168-81-7	S						3
1371	Gadolinium nitrite	z-0022	S						
1372	Gadolinium(III) oxide	12064-62-9	S hygr	2339	3900			7.407 @ 15C	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1373	Gallic acid monohydrate	5995-86-8	N.I.S. etc.	188.14	mg/m³	N	7.69	C7.H8.O6
1374	Gallium	7440-55-3	GBG000	69.72	mg/m³	N	2.85	Ga
1375	Gallium oxide	12024-21-4	GBS050	187.44	mg/m³	N	7.66	Ga2.O3
1376	Gallium trichloride	13450-90-3	GBM000	176.07	mg/m³	N	7.20	Ga.Cl3
1377	Gallium trifluoride	7783-51-9	N.I.S.	126.72	mg/m³	N	5.18	Ga.F3
1378	Gasoline	8006-61-9	GBY000	72.00	ppm	Y	2.94	[Unspecified]
1379	Gelatin; (Pharmagel A)	9000-70-8	PCU360		mg/m³	N		(Unknown)
1380	Germane; (Germanium tetrahydride)	7782-65-2	GEI100	76.63	ppm	N	3.13	Ge.H4
1381	Germanium	7440-56-4	GDU000	72.59	mg/m³	N	2.97	Ge
1382	Germanium oxide	1310-53-8	GEC000	104.59	mg/m³	N	4.27	Ge.O2
1383	Germanium tetrafluoride	7783-58-6	N.I.S.	148.60	mg/m³	Y	6.07	Ge.F4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1373	Gallic acid monohydrate	5995-86-8	S	251					
1374	Gallium	7440-55-3	S	29.78	2403			5.904	3
1375	Gallium oxide	12024-21-4	S	1900				5.88	1
1376	Gallium trichloride	13450-90-3	S/L	78	201.3			2.47 @ 26 C	3
1377	Gallium trifluoride	7783-51-9	S						3
1378	Gasoline	8006-61-9	L		39 to 204			<1	3
1379	Gelatin; (Pharmagel A)	9000-70-8	S					0.68	D
1380	Germane; (Germanium tetrahydride)	7782-65-2	G	-165	-90			1.523 @ -142 C	3
1381	Germanium	7440-56-4	S	937.2	2850			5.323	3
1382	Germanium oxide	1310-53-8	S	1115 sol				4.703	3
1383	Germanium tetrafluoride	7783-58-6	G	-15	-36.5				

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1384	Germanous acid	z-0023	GEA000	122.60	mg/m³	N	5.01	Ge.H2.O3
1385	Giemsa's stain; (… blood stain)	51811-82-6	N.I.S.		mg/m³	N		(Unknown)
1386	Gluconic acid, D-	526-95-4	N.I.S.	196.18	mg/m³	N	8.018	C6.H12.O7
1387	Glucose monohydrate, D(+)-; (Dextrose monohydrate glucose)	14431-43-7	N.I.S. etc.	198.17	mg/m³	N	8.099	C6.H12.O6..H2.O
1388	Glucose, d-; (Dextrose, anhydrous)	50-99-7	GFG000	180.18	mg/m³	N	7.36	C6.H12.O6
1389	Glucose; (alpha-D-glucose; Dextrose)	492-62-6	(GFG000)	180.18	mg/m³	N	7.36	C6.H12.O6
1390	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	GFO000	147.15	mg/m³	N	6.01	C5.H9.N.O4
1391	**Gluteraldehyde**	**111-30-8**	GFQ000	100.13	ppm	Y	4.09	C5.H8.O2
1392	Glycerine (mist); (Glycerol, glycerin)	56-81-5	GGA000	92.11	mg/m³	Y	3.76	H.O.C.H2.C.H..(O.H).C.H2.C.H
1393	Glycerine carbonate; (4-Hydroxymethyl]-1,3-dioxolan-2-one)	931-40-8	N.I.S. etc.	118.09	mg/m³	N	4.827	C4.H6.O4
1394	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	OAV000	358.63	mg/m³	N	14.66	C21.H42.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1384	Germanous acid	z-0023	S						
1385	Giemsa's stain; (… blood stain)	51811-82-6	S	300				0.89	
1386	Gluconic acid, D-	526-95-4	S	131				1.24	2
1387	Glucose monohydrate, D(+)-; (Dextrose monohydrate glucose)	14431-43-7	S						0
1388	Glucose, d-; (Dextrose, anhydrous)	50-99-7	S	146				1.544	2
1389	Glucose; (alpha-D-glucose; Dextrose)	492-62-6	S					1.544	2
1390	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	S	194				1.4601 @ 20C	1
1391	**Gluteraldehyde**	**111-30-8**	L		71-72				3
1392	Glycerine (mist); (Glycerol, glycerin)	56-81-5	L	17.9	290	0.0025	50	1.26	3
1393	Glycerine carbonate; (4-Hydroxymethyl]-1,3-dioxolan-2-one)	931-40-8	S		137 @ 0.5 mm			1.4	0
1394	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	S	58-59				0.97	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1395	Glycidaldehyde	765-34-4	GGW000	72.07	ppm	Y	2.95	C3.H4.O2
1396	Glycidol; (Oxiranemethanol)	556-52-5	GGW500	74.09	ppm	Y	3.028	C3.H6.O2
1397	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimetyh-oxysilane)	2530-83-8	ECH000	236.38	mg/m³	N	9.661	C9.H20.O5.Si
1398	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	ECH500	128.14	ppm	Y	5.237	C6.H8.O3
1399	Glycine; (Aminoacetic acid)	56-40-6	GHA000	75.08	mg/m³	N	3.07	C2.H5.N.O2
1400	Glycol carbonate; (Ethylene carbonate)	96-49-1	GHM000	88.07	mg/m³	Y	3.60	C3.H4.O3
1401	Glycolic acid	79-14-1	GHO000	79.06	mg/m³	Y	3.23	C2.H4.O3
1402	Glycols, polyethylene, dimethyl ether	24991-55-7	DOM100		mg/m³	N		(C2.H4.O)n.C2.H6.O
1403	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3	NNB300		mg/m³	N		(C2.H4O)n.C15.H24.O
1404	Glycoluril; (Acetyleneurea)	496-46-8	N.I.S.	142.12	mg/m³	N	5.81	C2.H6.N2.O4
1405	Glyoxal	107-22-2	GIK000	58.04	mg/m³	Y	2.37	C2.H2.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1395	Glycidaldehyde	765-34-4	L		113			1.1403	3
1396	Glycidol; (Oxiranemethanol)	556-52-5	L	-45	167 dec	0.9	25	1.115 @ 20	3
1397	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimetyh-oxysilane)	2530-83-8	L		290			1.065-1.075	2
1398	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	L	-41.5	57.2 @ 2mm			1.1074 @ 20	3
1399	Glycine; (Aminoacetic acid)	56-40-6	S	262 dec				1.1607	2
1400	Glycol carbonate; (Ethylene carbonate)	96-49-1	S	36.4	248	0.01	20	1.322 @40C	2
1401	Glycolic acid	79-14-1	S	63(alpha) 79(beta)	100 dec	8.1	80	1.49	2
1402	Glycols, polyethylene, dimethyl ether	24991-55-7	L						D
1403	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3	L (n<15)					1.06	3
1404	Glycoluril; (Acetyleneurea)	496-46-8	S	300 dec					
1405	Glyoxal	107-22-2	L	15	51 @ 776mm	255	25	1.29 @ 20 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1406	Goethite; (Iron hydroxide oxide)	1310-14-1	N.I.S.	88.85	mg/m³	N	3.63	Fe.O.O.H
1407	Gold	7440-57-5	GIS000	196.97	mg/m³	N	8.05	Au
1408	Graphite; (Mineral carbon)	7782-42-5	CBT500	12.01	mg/m³	N	0.49	C
1409	Grease; (Animal grease, inedible)	68153-81-1	N.I.S.		mg/m³	N		(Unknown)
1410	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	MMP000	147.12	mg/m³	N	6.01	C2.H5.N5.O3
1411	Guanidinehydrochloride	50-01-1	GKY000	95.53	mg/m³	Y	3.90	C.H5.N3..Cl.H
1412	Hafnium	7440-58-6	HAC000	178.49	mg/m³	N	7.30	Hf
1413	Hafnium oxide	12055-23-1	N.I.S.	210.49	mg/m³	N	8.60	HfO2
1414	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	BNA250	165.37	ppm	N	6.76	CBrClF2
1415	Hansa yellow	13515-40-7	N.I.S.	390.61	mg/m³	N	15.96	C17-H15-Cl-N4-O5
1416	Helium	7440-59-7	HAM500	4.00	ppm	N	0.16	He

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1406	Goethite; (Iron hydroxide oxide)	1310-14-1	S					4.26	
1407	Gold	7440-57-5	S	1064.76	2700	1	1869	19.3	1
1408	Graphite; (Mineral carbon)	7782-42-5	S	3652-3657	subl	1	3586	2.25	1
1409	Grease; (Animal grease, inedible)	68153-81-1	S/L						
1410	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	S	118					3
1411	Guanidinehydrochloride	50-01-1	S	183					3
1412	Hafnium	7440-58-6	S	2503	4450			13.31	3
1413	Hafnium oxide	12055-23-1	S	2812	5400			9.68	
1414	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	G	-160.5	-4	>760	20		1
1415	Hansa yellow	13515-40-7							
1416	Helium	7440-59-7	G	-272.2	-268.9			0.147 @-270.8	1

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1417	Hematoxylin	517-28-2	HAP500	302.30	mg/m³	N	12.36	C16H14O6
1418	Heptachlor	76-44-8	HAR000	373.30	mg/m³	N	15.26	C10H5Cl7
1419	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	EBW500	389.30	mg/m³	N	15.91	C10H5Cl7O
1420	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4	N.I.S.	409.28	mg/m³	N	16.73	C12.H.Cl7.O
1421	Heptachlorodibenzofuran, 1,2,3,4,7,8,9- ; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7	N.I.S.	409.28	mg/m³	N	16.73	C12.H.Cl7.O
1422	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9	HAR100	425.28	mg/m³	N	17.38	C12.H.Cl7.O2
1423	Heptadecane	629-78-7	HAS100	240.53	ppm	N	9.83	C17-H36
1424	Heptafluorobutyric acid	375-22-4	HAX500	214.05	mg/m³	Y	8.75	C4.H.F7.O2
1425	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	N.I.S.	416.06	mg/m³	N	17.00	C8.F16.O
1426	Heptane	142-82-5	HBC500	100.23	ppm	Y	4.10	C7H16O3
1427	Heptanoic acid	111-14-8	HBE000	130.21	ppm	N	5.32	C7.H14.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1417	Hematoxylin	517-28-2	S	100-120					2
1418	Heptachlor	76-44-8	S	96				1.57-1.59	3
1419	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	S						3
1420	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4	S						3
1421	Heptachlorodibenzofuran, 1,2,3,4,7,8,9- ; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7	S						3
1422	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9	S						3
1423	Heptadecane	629-78-7	L						1
1424	Heptafluorobutyric acid	375-22-4	L	-19.9	120.8			1.645	3
1425	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	S		31-173				3
1426	Heptane	142-82-5	L	-91.61	98.52	40	22.3	0.684	3
1427	Heptanoic acid	111-14-8	L	-7.5	222.2	0.0056	25	0.918	2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1428	Heptanol, 1-; (Heptyl alcohol)	111-70-6	HBL500	116.23	mg/m³	N	4.75	C7-H16-O
1429	Heptene, 1-	592-76-7	HBJ000	98.21	ppm	N	4.01	C7.H14
1430	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	HCB000	220.06	mg/m³	Y	8.99	Cr.(CO)6
1431	Hexachloroacetone	116-16-5	HCL500	264.73	mg/m³	N	10.820	C3.Cl6.O
1432	Hexachlorobenzene	118-74-1	HCC500	284.76	mg/m³	N	11.64	C6Cl6
1433	**Hexachlorobutadiene**	**87-68-3**	HCD250	260.74	ppm	Y	10.66	Cl2C=CClCCl=CCl2
1434	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	BBQ000	290.82	mg/m³	N	11.89	C6H6Cl6
1435	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	BBR000	290.82	mg/m³	N	11.89	C6H6Cl6
1436	Hexachlorocylopentadiene	77-47-4	HCE500	272.75	ppm	Y	11.15	C5Cl6
1437	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	HAJ500	390.84	mg/m³	Y	15.97	C12.H2.Cl6.O2
1438	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	HCH400	374.84	mg/m³	N	15.32	C12H2Cl6O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1428	Heptanol, 1-; (Heptyl alcohol)	111-70-6	L	-34.6	175.8	0.2163	25	0.824 @ 20 C	2
1429	Heptene, 1-	592-76-7	L	-10	93.6	59.3	25	0.6969 @ 20C	3
1430	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	S	152-155					3
1431	Hexachloroacetone	116-16-5	L	-2	202.2	0.376	20	1.74 @ 12	3
1432	Hexachlorobenzene	118-74-1	S	231	323-6	1	114	2.44	3
1433	**Hexachlorobutadiene**	**87-68-3**	L	-21	211-215	22	100	1.682	3
1434	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	S	158		0.0317	20	1.87	3
1435	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	S	297					3
1436	Hexachlorocylopentadiene	77-47-4	L	9.9	239			1.7	3
1437	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	S	239					3
1438	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	S (?)						D

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1439	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	HCH425	378.84	mg/m³	N	15.48	C12H2Cl6O2
1440	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	N.I.S.	374.84	mg/m³	N	15.32	C12.H2.Cl6.O
1441	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	HCH450	374.84	mg/m³	N	15.32	C12H2Cl6O2
1442	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	HCF000	390.84	mg/m³	N	15.97	C12H2Cl6O2
1443	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3	HCF120	390.84	mg/m³	N	15.97	C12.H2.Cl6.O2
1444	Hexachloroethane	67-72-1	HCI000	236.72	ppm	N	9.68	Cl3CCCl3
1445	Hexachloronaphthalene	1335-87-1	HCK500	334.82	mg/m³	N	13.68	C10H2Cl6
1446	Hexachlorophene	70-30-4	HCL000	406.89	mg/m³	Y	16.63	C13H6Cl6O2
1447	Hexachloropropene	1888-71-7	HCM000	248.73	ppm	Y	10.17	C3Cl6
1448	Hexadecanamine, 1-	143-27-1	HCO500	241.52	mg/m³	N	9.87	C16.H35.N
1449	Hexadecane	544-76-3	HCO600	226.50	mg/m³	Y	9.26	C16.H34

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1439	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	S (?)						2
1440	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	S						3
1441	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	S (?)						3
1442	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	S (?)						3
1443	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3	S						3
1444	Hexachloroethane	67-72-1	S	187 subl	subl	0.2	20	2.091	3
1445	Hexachloronaphthalene	1335-87-1	S						3
1446	Hexachlorophene	70-30-4	S	165					3
1447	Hexachloropropene	1888-71-7	L	-72.9	209-210	0.244	25	1.76 @ 20C	3
1448	Hexadecanamine, 1-	143-27-1	S	46.2	322.5			0.8129 @ 20C	3
1449	Hexadecane	544-76-3	L	18.14	286.5	1	105.3	0.77335	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1450	Hexadecanoic acid; (Palmitic acid)	57-10-3	PAE250	256.48	mg/m³	Y	10.48	C17H32O2
1451	Hexadecanol, 1-	36653-82-4	HCP000	242.50	mg/m³	Y	9.91	C16H34O
1452	Hexadecene, 1-	629-73-2	N.I.S.	224.48	ppm	Y	9.17	C16-H32
1453	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	CCX000	340.05	mg/m³	Y	13.90	C21.H38.N..Cl
1454	Hexadecyltrimethylammonium chloride	112-02-7	HCQ525	320.07	mg/m³	Y	13.082	C19.H40.Cl.N
1455	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	HDC500	168.05	ppm	N	6.868	C3.H2.F6.O
1456	**Hexafluoroacetone**	**684-16-2**	HCZ000	166.03	ppm	Y	6.79	CF3COCF3
1457	Hexafluorobenzene	392-56-3	HDB000	186.06	ppm	N	7.605	C6.F6
1458	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	N.I.S.	162.04	ppm	N	6.623	C4.F6
1459	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	HDC100	138.02	ppm	N	5.64	C2.F6
1460	**Hexafluoropropylene; (Hexafluoropropene)**	**116-15-4**	HDF000	150.03	ppm	N	6.13	C3F6

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1450	Hexadecanoic acid; (Palmitic acid)	57-10-3	S	63-64	271.5@ 100			0.849	3
1451	Hexadecanol, 1-	36653-82-4	S	50	178-182			0.8176 @ 50/4	3
1452	Hexadecene, 1-	629-73-2	L	4.1	284.4			0.7811 @ 20C	
1453	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	S	80					3
1454	Hexadecyltrimethylammonium chloride	112-02-7	S						
1455	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	L	-2.0	59			1.46	3
1456	**Hexafluoroacetone**	**684-16-2**	G	122	-27	>760		1.65	3
1457	Hexafluorobenzene	392-56-3	L	3 - 4	81-82			1.61 @ 20	3
1458	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	G	-117.4	-24.6				
1459	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	G		-78.2			4.76 (air=1)	3
1460	**Hexafluoropropylene; (Hexafluoropropene)**	**116-15-4**	G	-156	-29	>760		1.583 @ -40 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1461	Hexafluoropropylene-vinylidene fluoride; (Viton)	9011-17-0	N.I.S.		mg/m³	N		(-C3-F6.C2-H2-F2)x
1462	Hexamethylcyclotrisiloxane	541-05-9	N.I.S.	222.46	mg/m³	Y	9.09	(CH3)6Si3O3
1463	Hexamethyldisilazane	999-97-3	HED500	161.44	mg/m³	N	6.60	C6H19NSi2
1464	Hexamethyldisiloxane	107-46-0	HEE000	162.42	ppm	Y	6.64	C6H18OSi
1465	Hexamethylene diisocyanate polymer	28182-81-2	HEG300		mg/m³	Y		(C8.H12.N2.O2)x
1466	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	DNJ800	168.22	ppm	N	6.88	C8H12N2O2
1467	Hexamethyleneimine	111-49-9	HDG000	99.20	mg/m³	Y	4.054	C6.H13.N
1468	Hexamethylenetetraamine hydrochloride	58713-21-6	N.I.S. etc.		mg/m³	N		[Unknown]
1469	Hexamethylenetetraamine; (Methenamine)	100-97-0	HEI500	140.22	mg/m³	N	5.73	C6H12N4
1470	Hexamethylphosphoramide	680-31-9	HEK000	179.24	ppm	N	7.33	C6H18N3OP
1471	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	SLG700	422.92	ppm	Y	17.29	C30.H62

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1461	Hexafluoropropylene-vinylidene fluoride; (Viton)	9011-17-0	S					1.78	
1462	Hexamethylcyclotrisiloxane	541-05-9	S	64.5	134			1.12	3
1463	Hexamethyldisilazane	999-97-3	L		125			0.76	2
1464	Hexamethyldisiloxane	107-46-0	L	-59	101			0.76 @ 20C	1
1465	Hexamethylene diisocyanate polymer	28182-81-2	S						1
1466	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	L		121-122			1.053	3
1467	Hexamethyleneimine	111-49-9	L	-37	138	8.09	25	0.8643 @ 22	3
1468	Hexamethylenetetraamine hydrochloride	58713-21-6							
1469	Hexamethylenetetraamine; (Methenamine)	100-97-0	S					1.33 @ -5 C	3
1470	Hexamethylphosphoramide	680-31-9	L	7	233			1.024	3
1471	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	L	-38	350			0.8115 @ 15c	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1472	Hexanal	66-25-1	HEM000	100.18	ppm	Y	4.09	C6-H12-O
1473	**Hexane**	**110-54-3**	HEN000	86.20	ppm	Y	3.52	CH3(CH2)4CH3
1474	Hexanediol diacrylate, 1,6-	13048-33-4	HEQ100	226.30	mg/m³	Y	9.249	C12.H18.O4
1475	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	HEP500	118.20	mg/m³	N	4.83	C6.H14.O2
1476	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	HER000	182.20	mg/m³	N	7.45	C6.H14.O6
1477	Hexanenitrile	628-73-9	HER500	97.18	ppm	Y	3.97	C8-H11-N
1478	Hexanethiol, 1-; (N-HEXYLMERCAPTAN)	111-31-9	HES000	118.26	ppm	Y	4.833	C6.H14.S
1479	Hexanitrostilbene	20062-22-0	N.I.S.	450.23	mg/m³	N	18.402	C14.H6.N6.O12
1480	Hexanoic acid	142-62-1	HEU000	116.18	mg/m³	Y	4.75	C6H12O2
1481	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	HEU600	102.20	mg/m³	N	4.18	C6.H14.O
1482	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	HFJ500	102.20	ppm	Y	4.18	C6H14O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1472	Hexanal	66-25-1	L	-56.3	131	11.3	25	0.8335 @ 20 C	3
1473	**Hexane**	**110-54-3**	L	-93.6	68.7	100	15.8	0.655	3
1474	Hexanediol diacrylate, 1,6-	13048-33-4	L			0.017	25	1.01	2
1475	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	S hygr.	42	250	0.0005 (est)	25	0.967 @ 0C	2
1476	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	S	167	290-295			1.52 @ 20C	1
1477	Hexanenitrile	628-73-9	L		163.6				3
1478	Hexanethiol, 1-; (N-HEXYLMERCAPTAN)	111-31-9	L	-80.56	151.11			0.84	2
1479	Hexanitrostilbene	20062-22-0	S						
1480	Hexanoic acid	142-62-1	L	-1.5	205	0.18	20	0.9295	2
1481	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	L		139			0.814	2
1482	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	L	-46.7	157.2	1	24.4	0.8204	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1483	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	HEV000	100.18	ppm	Y	4.09	C6H12O
1484	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	HEV500	100.18	ppm	Y	4.09	C6-H12-O
1485	Hexanoyl chloride	142-61-0	N.I.S.	134.60	mg/m³	Y	5.501	C6.H11.Cl.O
1486	Hexaphenylcyclotrisiloxane	512-63-0	N.I.S.	594.89	mg/m³	Y	24.31	C36.H30.O3.Si3
1487	Hexene, 1-	592-41-6	HFB000	84.16	ppm	Y	3.44	C6H12
1488	Hexylene glycol	107-41-5	HFP875	118.20	ppm	Y	4.83	C6H14O2
1489	Holmium	7440-60-0	HGF500	164.93	mg/m³	N	6.741	Ho
1490	Holmium trioxide	12055-62-8	N.I.S.	377.86	mg/m³	N	15.44	Ho2-O3
1491	Humic acid, sodium salt	68131-04-4	HGM100		mg/m³	N		
1492	**Hydrazine**	**302-01-2**	HGS000	32.06	ppm	Y	1.31	H2.N=N.H2
1493	Hydrazine hydrate, aequeous solutions	10217-52-4	HGU500	50.08	mg/m³	Y	2.05	H4.N2-H.2O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1483	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	L	-56.9	127.2	10	38.8	0.83	3
1484	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	L		124			0.813 @ 21.8	3
1485	Hexanoyl chloride	142-61-0	L	-87	123			0.9784 @ 20	3
1486	Hexaphenylcyclotrisiloxane	512-63-0	S	184-188	300				
1487	Hexene, 1-	592-41-6	L	-139.9	64.5	310	38	0.6732	3
1488	Hexylene glycol	107-41-5	L	-50	197.1	0.05	20	0.9234	2
1489	Holmium	7440-60-0	S		2720	2	1630	8.78	2
1490	Holmium trioxide	12055-62-8	S	2415				8.41	
1491	Humic acid, sodium salt	68131-04-4	S	>300					3
1492	**Hydrazine**	**302-01-2**	L	2.2	113.3	10	20	1.1011	3
1493	Hydrazine hydrate, aequeous solutions	10217-52-4	L	-51.7	118.5 @ 740mm			1.03 @ 21C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1494	Hydrazine hydrate; (Hydrazine monohydrate)	7803-57-8	HGU501	50.08	mg/m³	Y	2.05	H4.N2..H2.O
1495	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	HGV000	68.52	mg/m³	N	2.80	H4N2.2HCl (H4N2.HCl)
1496	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	HGZ000	95.06	mg/m³	N	3.89	H4.N2-H.N.O3
1497	Hydrazine sulfate	10034-93-2	HGW500	130.14	mg/m³	Y	5.32	H4N2.H2SO4
1498	Hydrazine, dihydrochloride	5341-61-7	N.I.S.	104.98	mg/m³	N	4.29	Cl.H..0.5 H4.N2
1499	**Hydriodic acid; (Hydrogen iodide)**	**10034-85-2**	HHI500	127.91	ppm	Y	5.23	HI
1500	**Hydrobromic acid; (Hydrogen bromide)**	**10035-10-6**	HHJ000	80.92	ppm	Y	3.31	BrH
1501	Hydrogen	1333-74-0	HHW500	2.02	ppm	N	0.08	H2
1502	**Hydrogen chloride; (Hydrochloric acid)**	**7647-01-0**	HHL000	36.46	ppm	Y	1.49	HCl
1503	**Hydrogen cyanide; (Hydrocyanic acid)**	**74-90-8**	HHS000	27.03	ppm	Y	1.10	HCN
1504	**Hydrogen fluoride; (Hydrofluoric acid)**	**7664-39-3**	HHU500	20.01	ppm	Y	0.82	HF

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1494	Hydrazine hydrate; (Hydrazine monohydrate)	7803-57-8	L		118.5 @ 740mm			1.03 @ 21	3
1495	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	S	198	200 dec			1.42	3
1496	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	S	70					
1497	Hydrazine sulfate	10034-93-2	S/L	254 decom				1.378	3
1498	Hydrazine, dihydrochloride	5341-61-7	S	197 dec				1.42	
1499	**Hydriodic acid; (Hydrogen iodide)**	**10034-85-2**	G	-50.8	-35.38	5940	25	5.66	3
1500	**Hydrobromic acid; (Hydrogen bromide)**	**10035-10-6**	G	-87	-66.5	760	-66.5	3.5	3
1501	Hydrogen	1333-74-0	G	-259.18	-252.8	1240000	25	0.070 @ -253 C	3
1502	**Hydrogen chloride; (Hydrochloric acid)**	**7647-01-0**	G	-114.4	-85	40	17.8	1.194 @ -26 C	3
1503	**Hydrogen cyanide; (Hydrocyanic acid)**	**74-90-8**	L	-13.3	25.6	630		0.715 @ 0 C	3
1504	**Hydrogen fluoride; (Hydrofluoric acid)**	**7664-39-3**	G>19	-83.3	19.4	>760		0.699	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1505	**Hydrogen peroxide**	**7722-84-1**	HIB000	34.02	ppm	Y	1.39	H2.O2
1506	Hydrogen peroxide - 30%	7722-84-1a	HIB010	34.02	ppm	N	1.390	H2.O2
1507	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	HIB600	204.23	mg/m³	N	8.35	C8.H5.O4.K
1508	**Hydrogen selenide**	**7783-07-5**	HIC000	80.98	ppm	Y	3.31	H2Se
1509	**Hydrogen sulfide**	**7783-06-4**	HIC500	34.08	ppm	Y	1.39	H2.S
1510	Hydrogenated terphenyl	61788-32-7	HHWE800	298.00	mg/m³	N	12.180	
1511	Hydroquinone	123-31-9	HIH000	110.12	mg/m³	Y	4.50	C6H6O2
1512	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7	MQV795		mg/m³	N		[Unspecified]
1513	Hydrotreated Middle Distillate (Petroleum base oil)	64742-46-7	DXG830		mg/m³	N		
1514	Hydroxy-2-methylpropanoic acid, 2-; (2-Methyllactic acid)	594-61-6	N.I.S.	104.11	mg/m³	N	4.26	C4.H8.O3
1515	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	N.I.S.	224.28	mg/m³	N	9.17	C12.H16.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1505	**Hydrogen peroxide**	**7722-84-1**	L	-6.7	141.1	5	30	1.46 @ 0 C	3
1506	Hydrogen peroxide - 30%	7722-84-1a	L	-11	150.2			1.4067	2
1507	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	S	dec				1.6	2
1508	**Hydrogen selenide**	**7783-07-5**	G	-64	-41.4	7600	23.4		3
1509	**Hydrogen sulfide**	**7783-06-4**	L	-85.6	-60.6	>760		0.993	3
1510	Hydrogenated terphenyl	61788-32-7	L		340			1.006	3
1511	Hydroquinone	123-31-9	S	172	285	1	132.4	1.358	3
1512	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7	L						3
1513	Hydrotreated Middle Distillate (Petroleum base oil)	64742-46-7	L		>205			0.8545	2
1514	Hydroxy-2-methylpropanoic acid, 2-; (2-Methyllactic acid)	594-61-6	S	82.5	212				
1515	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	S						

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1516	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	DBF750	116.18	ppm	Y	4.75	C6H12O2
1517	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	N.I.S.	502.31	mg/m³	N	20.53	Ca5.OH.(PO4)3
1518	Hydroxybenezenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	HNL600	174.18	mg/m³	N	7.119	C6.H6.O4.S
1519	Hydroxybenzoic acid, 4-; (p-Salicylic acvid)	99-96-7	SAI500	138.12	mg/m³	N	5.65	C7.H6.O3
1520	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	HJN650	135.14	mg/m³	N	5.523	C6.H5.N3.O
1521	Hydroxyethyl acrylate, 2-; (Acrylic acid-2-hydroxyethyl ester)	818-61-1	ADV250	116.13	ppm	Y	4.746	C5.H8.O3
1522	Hydroxyethyl methacrylate, 2-	868-77-9	EJH000	130.16	mg/m³	Y	5.32	C6.H10.O3
1523	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	N.I.S.	238.24	mg/m³	N	9.74	C6.H18.N2.O4.S
1524	Hydroxyethylenediaminetriacetic acid, n-	150-39-0	HKS000	278.30	mg/m³	N	11.37	C10-H18-N2-O7
1525	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidine bisphosphonic acid, 1-)	2809-21-4	HKS780	206.03	mg/m³	N	8.42	C2H8O7P2
1526	Hydroxylamine	7803-49-8	HLM500	33.04	mg/m³	Y	1.35	H3NO

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1516	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	L	-47	164	1.1	20	0.9306	3
1517	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	S						
1518	Hydroxybenezenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	S					1.337	1
1519	Hydroxybenzoic acid, 4-; (p-Salicylic acvid)	99-96-7	S	214.5		1.90E-07	25	1.46	3
1520	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	S	157-158					3
1521	Hydroxyethyl acrylate, 2-; (Acrylic acid-2-hydroxyethyl ester)	818-61-1	L		220	0.0523	25	1.011	2
1522	Hydroxyethyl methacrylate, 2-	868-77-9	L	-12	103 @ 13C			1.034	2
1523	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	S	236					
1524	Hydroxyethylenediaminetriacetic acid, n-	150-39-0	S	160-5 dec					3
1525	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidine bisphosphonic acid, 1-)	2809-21-4	S	105					3
1526	Hydroxylamine	7803-49-8	L	34	110	10	47.2	1.227	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1527	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	HLN000	69.50	mg/m³	Y	2.84	H3NO.ClH
1528	Hydroxylamine nitrate	13465-08-2	N.I.S.	96.04	mg/m³	Y	3.93	NH2OH.HNO3
1529	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	OLS000	164.16	mg/m³	Y	6.71	H6N2O2.H2O4S
1530	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	FMW000	119.10	mg/m³	N	4.87	C.H4.O3.S..Na
1531	Hydroxy-n-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	N.I.S.	213.24	mg/m³	N	8.72	C13.H11.N.O2
1532	Hydroxyphenyl benzothiazole	3411-95-8	N.I.S.	227.28	mg/m³	N	9.289	C13.H9.N.O.S
1533	Hydroxyphenylacetic acid, alpha-	90-64-2	MAP000	152.16	mg/m³	N	6.22	C8.H8.O3
1534	Hydroxypropyl cellulose	9004-64-2	HNV000	806.93	mg/m³	N	32.98	C36.H70.O19
1535	Hydroxyquinoline sulfate, 8-	134-31-6	QPS000	388.42	mg/m³	N	15.88	C18.H14.N2.O2..H2.O4.S
1536	Hypophosphorous acid; (Hydrophosphorus acid-d3 solution, 50 wt.$ in D2.O)	57583-56-9	N.I.S. etc.	69.01	ppm	N	2.821	D3.P.O2
1537	Hypophosphorus acid; (Phosphinic acid)	6303-21-5	PGY250	66.00	mg/m³	N	2.70	H3O2P

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1527	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	S	159	dec			1.6717	3
1528	Hydroxylamine nitrate	13465-08-2	L					1.156	3
1529	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	S	177					3
1530	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	S	63					2
1531	Hydroxy-n-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1		118-120					
1532	Hydroxyphenyl benzothiazole	3411-95-8	S	131-133					
1533	Hydroxyphenylacetic acid, alpha-	90-64-2	S	117-119	dec			1.3	3
1534	Hydroxypropyl cellulose	9004-64-2	S						3
1535	Hydroxyquinoline sulfate, 8-	134-31-6	S	177.5	267	0.00166	25	1.034 @ 20c	3
1536	Hypophosphorous acid; (Hydrophosphorus acid-d3 solution, 50 wt.$ in D2.O)	57583-56-9						1.35	
1537	Hypophosphorus acid; (Phosphinic acid)	6303-21-5	S	26.5				1.439	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1538	Igepal Ca-, 720	26636-32-8	N.I.S.		mg/m³	N		(C2.H4.O)n..C14.h22.o
1539	Imidazole	288-32-4	IAL000	68.09	mg/m³	N	2.78	C3.H4.N2
1540	Imidazole hydrochloride	1467-16-9	N.I.S. etc.	104.54	mg/m³	Y	4.27	C3.H4.N2..H.Cl
1541	Iminodiacetic acid	142-73-4	IBH000	133.12	mg/m³	N	5.44	C4H7NO4
1542	Iminodiacetic acid, disodium salt hydrate	17593-73-6	N.I.S.	195.08	mg/m³	N	7.97	C4.H7.N.Na2.O5
1543	Indan	496-11-7	IBR000	118.19	mg/m³	N	4.83	C9H10
1544	Indene	95-13-6	IBX000	116.17	ppm	Y	4.75	C9H8
1545	Indeno(1,2,3-cd)pyrene	193-39-5	IBZ000	276.34	mg/m³	N	11.29	C22H12
1546	Indigo carmine; (FD&C blue No 2)	860-22-0	FAE100	468.38	mg/m³	N	19.14	C16H10N2O8S2.2Na
1547	Indium	7440-74-6	ICF000	114.82	mg/m³	Y	4.69	In
1548	Indium oxide (vapor)	1312-43-2b	N.I.S.	245.64	mg/m³	N	10.04	In2-O

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1538	Igepal Ca-, 720	26636-32-8	S						
1539	Imidazole	288-32-4	S	90-91	257			1.0303 @ 101C	3
1540	Imidazole hydrochloride	1467-16-9	S	158-161					
1541	Iminodiacetic acid	142-73-4	S	220-250	247.5 dec				3
1542	Iminodiacetic acid, disodium salt hydrate	17593-73-6	S	180					
1543	Indan	496-11-7	L	-51.4	176.5			0.963	1
1544	Indene	95-13-6	L	-1.8	181.6			0.9968	2
1545	Indeno(1,2,3-cd)pyrene	193-39-5	S	161-163.5					3
1546	Indigo carmine; (FD&C blue No 2)	860-22-0	S						3
1547	Indium	7440-74-6	S	156.61	2080			7.31 @ 20C	3
1548	Indium oxide (vapor)	1312-43-2b	V						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1549	Indium sulfate	13464-82-9	ICJ000	517.82	mg/m³	N	21.16	O12.S3..In2
1550	Indium trichloride	10025-82-8	ICK000	221.17	mg/m³	N	9.04	Cl3In
1551	Indium(III) oxide	1312-43-2a	ICI100	277.64	mg/m³	N	11.35	In2-O3
1552	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	FNO100	145.17	ppm	N	5.93	C9-H7-N-O
1553	Iodic acid	7782-68-5	IDK000	175.91	mg/m³	Y	7.19	HIO3
1554	Iodide, Ammonium, tetraethyl-; (Tetraethylammoniumiodide)	68-05-3	TCC750	257.19	mg/m³	N	10.51	C8.H20.N.I
1555	**Iodine**	**7553-56-2**	IDM000	253.80	ppm	Y	10.37	I2
1556	Iodine 125	17144-19-3	N.I.S. etc	250.00	ppm	Y	10.22	I2
1557	Iodobenzene	591-50-4	IEC500	204.01	mg/m³	N	8.338	C6.H5.I
1558	Iodoethane; (Ethyl iodide)	75-03-6	ELP500	155.97	ppm	N	6.37	C2.H5.I
1559	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	N.I.S.	295.93	ppm	N	12.095	C3.F7.I

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1549	Indium sulfate	13464-82-9	S					3.44	3
1550	Indium trichloride	10025-82-8	S	586 subl	600			4	3
1551	Indium(III) oxide	1312-43-2a	S	1913				7.18	1
1552	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8							2
1553	Iodic acid	7782-68-5	S	110 dec				4.629	3
1554	Iodide, Ammonium, tetraethyl-; (Tetraethylammoniumiodide)	68-05-3	S	300 dec				1.559 @ 4C	3
1555	**Iodine**	**7553-56-2**	S	113.5	184			4.93	3
1556	Iodine 125	17144-19-3	S	sublimes					3
1557	Iodobenzene	591-50-4	L	-29	188			1.823	3
1558	Iodoethane; (Ethyl iodide)	75-03-6	L	-108	72.4	100	18	1.948 @ 15C	3
1559	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	L		41			2.04	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1560	Iodopentane, 1-	628-17-1	IET500	198.06	mg/m³	N	8.095	C5.H11.I
1561	Iotalamic acid	2276-90-6	IGD000	613.92	mg/m³	N	25.09	C11.H9.I3.N2.O4
1562	Iridium	7439-88-5	IGJ000	192.20	mg/m³	N	7.855	Ir
1563	Iron	7439-89-6	IGK800	55.85	mg/m³	N	2.28	Fe
1564	Iron carbide	12011-67-5	IGQ750	179.55	mg/m³	N	7.34	Fe3-C
1565	Iron hydroxide oxide	20344-49-4	IGR499	88.86	mg/m³	N	3.63	FeO.(OH)
1566	Iron oxide; (Ferric oxide)	1309-37-1	IHC450	159.70	mg/m³	N	6.53	Fe2O3
1567	**Iron pentacarbonyl**	**13463-40-6**	IHG500	195.90	ppm	Y	8.01	Fe(OC)5
1568	Iron(II) chloride tetrahydrate	13478-10-9	FBJ000	198.83	mg/m³	Y	8.13	Cl2Fe.4H2O
1569	Iron(II) perchlorate hexahydrate	13520-69-9	N.I.S. etc.	353.34	mg/m³	N	14.44	Fe.Cl.O4.6(H2.O)
1570	Iron(II,III) oxide; (Ferrosoferric oxide; Iron(III) oxide)	1317-61-9	N.I.S.	231.53	mg/m³	N	9.46	Fe3.O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1560	Iodopentane, 1-	628-17-1	L	=85.6	157			1.5161 @ 20	2
1561	Iotalamic acid	2276-90-6	S	285 dec.					3
1562	Iridium	7439-88-5	S	2446	4428			21.56	3
1563	Iron	7439-89-6	S	1535	3000			7.87	3
1564	Iron carbide	12011-67-5	S						
1565	Iron hydroxide oxide	20344-49-4	S					4.26	3
1566	Iron oxide; (Ferric oxide)	1309-37-1	S	1565				5.12 - 5.24	3
1567	**Iron pentacarbonyl**	**13463-40-6**	L	-25	103	40	30.3	1.453 @25	3
1568	Iron(II) chloride tetrahydrate	13478-10-9	S	105 dec				1.93	3
1569	Iron(II) perchlorate hexahydrate	13520-69-9							
1570	Iron(II,III) oxide; (Ferrosoferric oxide; Iron(III) oxide)	1317-61-9	S	1597				5.17	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1571	Iron(III) perchlorate	13537-24-1	N.I.S.	354.20	mg/m³	N	14.48	Cl3.Fe.O12
1572	Iron(III) sulfate heptahydrate	35139-28-7	FBO000	278.05	mg/m³	N	11.36	Fe.S.O4..7H2.O
1573	Isoamyl acetate; (Isopentyl acetate)	123-92-2	IHO850	130.21	ppm	Y	5.32	C7H14O2
1574	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	IHP000	88.17	ppm	Y	3.60	(CH3)2CHC.4H4.OH
1575	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	IHP010	88.17	ppm	Y	3.60	(CH3)2CHC.4H4.OH
1576	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	IMB000	117.17	ppm	N	4.79	C5H11NO2
1577	Isobenzan	297-78-9	OAN000	411.73	mg/m³	N	16.83	C9H4Cl8O
1578	Isobutanol-2-amine	124-68-5	IIA000	89.16	mg/m³	N	3.64	C4H11NO
1579	Isobutyl acetate	110-19-0	IIJ000	116.18	ppm	Y	4.75	C6H12O2
1580	Isobutyl alcohol	78-83-1	IIL000	74.14	ppm	Y	3.03	(CH3)2CHCH2. OH
1581	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	CIU500	92.57	ppm	N	3.78	C4.H9.Cl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1571	Iron(III) perchlorate	13537-24-1	S						
1572	Iron(III) sulfate heptahydrate	35139-28-7	Shygr.	64				2.99 - 3.08	3
1573	Isoamyl acetate; (Isopentyl acetate)	123-92-2	L	-78.5	142.5	5.6	25	0.876 @15C	3
1574	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	L	-117.2	132	28	20	0.813	3
1575	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	L		115.6			0.815	3
1576	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	L	unstabl	97-99			0.872	3
1577	Isobenzan	297-78-9	S	120-122		0.00001	25	1.87	3
1578	Isobutanol-2-amine	124-68-5	S	30-31	165			0.934	3
1579	Isobutyl acetate	110-19-0	L	-98.9	118	10	12.8	0.8685	3
1580	Isobutyl alcohol	78-83-1	L	-107.8	108.3	9	20	0.8	3
1581	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	L	-130.3	68.8			0.881 @ 20C	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1582	Isobutyl isobutyrate	97-85-8	IIW000	144.24	mg/m³	N	5.90	C8H16O2
1583	Isobutylamine	78-81-9	IIM000	73.16	ppm	Y	2.99	C4H11N
1584	Isobutyraldehyde	78-84-2	IJS000	72.12	ppm	Y	2.95	C4H8O
1585	Isobutyric acid	79-31-2	IJU000	88.12	ppm	Y	3.60	C4H8O2
1586	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	IJW000	158.22	ppm	Y	6.467	C8.H14.O3
1587	**Isobutyronitrile**	**78-82-0**	IJX000	69.12	ppm	Y	2.83	(CH3)2.CH.CN
1588	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	IKG349		mg/m³	N		[Unspecified]
1589	**Isocyanatoethyl methacrylate, 2-**	**30674-80-7**	IKG700	155.17	ppm	N	6.34	C7H9NO3
1590	Isocyanic acid	75-13-8	N.I.S., etc.	43.02	ppm	Y	1.76	CHNO
1591	Isocyanic acid-3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	IKH099	188.01	mg/m³	N	7.68	C7H3Cl2NO
1592	Isodrin	465-73-6	IKO000	364.90	mg/m³	N	14.91	C12H8Cl6

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1582	Isobutyl isobutyrate	97-85-8	L	-81	147.5	10	39.9	0.85-0.86	2
1583	Isobutylamine	78-81-9	L	-85.5	68.6	138	25	0.731 @ 20 C	3
1584	Isobutyraldehyde	78-84-2	L	-65	64	173	25	0.7938 @ 20C	3
1585	Isobutyric acid	79-31-2	L	-47	118-119	1	14.7	0.949 @ 20 C	3
1586	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	L	-53.5	181.5 @ 734mm			0.9535 @ 20C	3
1587	**Isobutyronitrile**	**78-82-0**	L	-75	107	~28	20	0.773	3
1588	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	L/S						D
1589	**Isocyanatoethyl methacrylate, 2-**	**30674-80-7**	L		211	0.2	25		3
1590	Isocyanic acid	75-13-8	G unstabl			996	25		3+
1591	Isocyanic acid-3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	S	42-43	240	0.02	25		3
1592	Isodrin	465-73-6	S	240-242	344	0.00001	25		3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1593	Isonate 181 MDI prepolymer	z-0113	N.I.S. etc.		mg/m³	N		
1594	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	TLY500	114.26	ppm	N	4.670	C18.H18
1595	Isopentane; (Ethyldimethylmethane; 2-Methylbutane)	78-78-4	EIK000	72.17	ppm	Y	2.95	C5H12
1596	Isophorone	78-59-1	IMF400	138.23	ppm	Y	5.65	C9H14O
1597	Isophorone diisocyanate	4098-71-9	IMG000	222.32	ppm	N	9.09	C12H18N2O2
1598	Isophthalic acid	121-91-5	IMJ000	166.14	mg/m³	N	6.79	C8.H6.O4
1599	**Isoprene**	**78-79-5**	IMS000	68.13	ppm	N	2.78	H2C=C(CH3)CH=CH2
1600	Isopropyl acetate	108-21-4	INE100	102.15	ppm	Y	4.18	C5H10O2
1601	Isopropyl alcohol	67-63-0	INJ000	60.11	ppm	Y	2.46	(CH3)2.CH.OH
1602	Isopropyl chloride; (2-Chloropropane)	75-29-6	CKQ000	78.54	ppm	N	3.21	CH3CHClCH3
1603	**Isopropyl chloroformate; (Isopropyl chlorocarbonate)**	**108-23-6**	IOL000	122.56	ppm	Y	5.01	(CH3)2CHOCO-Cl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1593	Isonate 181 MDI prepolymer	z-0113	L		200				
1594	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	L	-107.5	99.2	40.6	21	0.692 @ 20C	3
1595	Isopentane; (Ethyldimethylmethane; 2-Methylbutane)	78-78-4	S	-160.5	30.2	595	21.1	0.62	3
1596	Isophorone	78-59-1	L		215.2	1	38	0.9229	3
1597	Isophorone diisocyanate	4098-71-9	S	-60	360	0.00001	25	1.062 @ 20 C	3
1598	Isophthalic acid	121-91-5	S	347.5	subl.	0.068	100	1.507 @ 20C	1
1599	**Isoprene**	**78-79-5**	L	-146.7	34	400	550	25	3
1600	Isopropyl acetate	108-21-4	L	-73	88.4	40	17	0.874	3
1601	Isopropyl alcohol	67-63-0	L	-88.3	82.8	33	20	0.7854	3
1602	Isopropyl chloride; (2-Chloropropane)	75-29-6	L	-117	34.8	515.3	25	0.868 @ 15 C	3
1603	**Isopropyl chloroformate; (Isopropyl chlorocarbonate)**	**108-23-6**	L	-80	105	72	21	1.078	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1604	Isopropyl ether; (Diisopropyl ether)	108-20-3	IOZ750	102.20	ppm	Y	4.18	(CH3)2.CHOCH.(CH3)2
1605	**Isopropyl methanefluoro-phosphonate; (Sarin; GB)**	**107-44-8**	IPX000	140.11	ppm	Y	5.73	C4H10FO2P
1606	Isopropyl nitrate	1712-64-7	IQP000	105.11	ppm	Y	4.296	C3.H7.N.O3
1607	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	IRN200	72.07	mg/m³	Y	2.95	C3.H8.O..1/4 Ti
1608	Isopropylamine; (2-Propanamine)	75-31-0	INK000	59.13	ppm	Y	2.42	(CH3)2CHNH2
1609	Isopropylmagnesium chloride; (Chloro (1-methylethyl) magnesium)	1068-55-9	N.I.S.	102.85	mg/m³	N	4.20	C3.H7.Cl..Mg
1610	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	DSK200	211.30	mg/m³	N	8.64	C10H17N3O2
1611	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	CQI000	134.24	mg/m³	Y	5.487	C10.H14
1612	Jeffamine M-600	77110-54-4	N.I.S. etc	600.00	mg/m³	N	24.52	
1613	**Jet fuels (JP-5 and JP-8)**	**70892-10-3**	JDJ000		mg/m³	Y		[Unspecified]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1604	Isopropyl ether; (Diisopropyl ether)	108-20-3	L	-60	68.5	150	25	0.719	3
1605	**Isopropyl methanefluoro-phosphonate; (Sarin; GB)**	**107-44-8**	L	-58	147	1.57	20	1.1	3
1606	Isopropyl nitrate	1712-64-7	L		102			1.036	3
1607	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	L	~20	220			0.9711 @ 20C	1
1608	Isopropylamine; (2-Propanamine)	75-31-0	L	-101.2	33-34	579.6	25	0.694 @ 15C	3
1609	Isopropylmagnesium chloride; (Chloro (1-methylethyl) magnesium)	1068-55-9	L					0.834	
1610	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	L		295	0.001	25	1.07 @ 20 C	3
1611	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	L	-68.9	177.1	1.5	25	0.853	3
1612	Jeffamine M-600	77110-54-4	S	-40					
1613	**Jet fuels (JP-5 and JP-8)**	**70892-10-3**	L					0.8	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1614	Kaolin; (Aluminum silicate hydroxide)	1332-58-7	KBB600		mg/m³	N		
1615	Kepone; (Chlordecone)	143-50-0	KEA000	490.60	mg/m³	N	20.05	C10Cl10O
1616	**Kerosene**	**8008-20-6**	KEK000	170.00	mg/m³	Y	6.95	C10 to C16 hydrocarbons
1617	Ketene; (Carbomethene, Ethenone)	463-51-4	KEU000	42.04	ppm	Y	1.72	C2H2O
1618	Krypton	7439-90-9	N.I.S.	83.80	ppm	N	3.43	Kr
1619	Lactic acid	50-21-5	LAG000	90.09	mg/m³	Y	3.68	C3H6O3
1620	Lactic acid, sodium salt, Dl-; (Propanoic acid,-2-hydroxy-, monosodium salt)	312-85-6	N.I.S.	113.07	mg/m³	N	4.621	C3.H6.O3..Na
1621	Lactonitrile	78-97-7	LAQ000	71.09	mg/m³	N	2.91	C3H5NO
1622	Lactose, beta-D; (beta-D-Glucopyranose)	5965-66-2	N.I.S.	342.30	mg/m³	N	13.99	C12.H22.O11
1623	Lanthanum	7439-91-0	LAV000	138.91	mg/m³	N	5.68	La
1624	Lanthanum alizarin (as La)	z-0026	(LAV000)		mg/m³	N		[Unknown]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1614	Kaolin; (Aluminum silicate hydroxide)	1332-58-7	S	1760				1.8 - 2.6	1
1615	Kepone; (Chlordecone)	143-50-0	S	350 dec					3
1616	**Kerosene**	**8008-20-6**	L	-46	175-->	5	20	0.81 @ 15C	3
1617	Ketene; (Carbomethene, Ethenone)	463-51-4	G	-150	-56	>760		1.45 vapor	3
1618	Krypton	7439-90-9	G	-157.1	-152.9			2.89	
1619	Lactic acid	50-21-5	L	16.8	122 @ 15mm			1.249	2
1620	Lactic acid, sodium salt, Dl-; (Propanoic acid,-2-hydroxy-, monosodium salt)	312-85-6	S						
1621	Lactonitrile	78-97-7	L	-40	221	0.119	25	0.9834 @ 25 C	3
1622	Lactose, beta-D; (beta-D-Glucopyranose)	5965-66-2	S	254				1.59 @ 20C	
1623	Lanthanum	7439-91-0	S	920	3464			6.166	3
1624	Lanthanum alizarin (as La)	z-0026							1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1625	Lanthanum boride	12008-21-8	N.I.S.	203.77	mg/m³	N	8.33	La.B6
1626	Lanthanum carbonate	6487-39-4	N.I.S. etc.	601.96	mg/m³	N	24.60	La2(CO3)3.8H2O
1627	Lanthanum chloride	10099-58-8	LAX000	245.26	mg/m³	N	10.02	La.Cl3
1628	Lanthanum fluoride	13709-38-1	N.I.S.	195.90	mg/m³	Y	8.01	LaF3
1629	Lanthanum hydroxide	14507-19-8	N.I.S.	189.93	mg/m³	N	7.76	La(OH)3
1630	Lanthanum nitrate	10099-59-9	LBA000	324.94	mg/m³	N	13.28	N3O9.La
1631	Lanthanum oxide	1312-81-8	LBA100	325.82	mg/m³	Y	13.32	La2O3
1632	Lanthanum phosphate	14913-14-5	N.I.S.	233.88	mg/m³	N	9.56	LaPO4
1633	Lanthanum(III) nitrate hexahydrate	10277-43-7	N.I.S.	433.06	mg/m³	N	17.70	La..3(NO3).6 H2O
1634	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	MRH250	266.40	mg/m³	N	10.888	C12.H26.O4.S
1635	Lead	7439-92-1	LCF000	207.19	mg/m³	N	8.47	Pb

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1625	Lanthanum boride	12008-21-8	S	2715				4.76	
1626	Lanthanum carbonate	6487-39-4	S					2.6	
1627	Lanthanum chloride	10099-58-8	S deliq	860	1000			3.84	3
1628	Lanthanum fluoride	13709-38-1	S						
1629	Lanthanum hydroxide	14507-19-8	S	dec					
1630	Lanthanum nitrate	10099-59-9	Sdeliq	~40	~126				3
1631	Lanthanum oxide	1312-81-8	S	2315	4200			6.51	1
1632	Lanthanum phosphate	14913-14-5	S						
1633	Lanthanum(III) nitrate hexahydrate	10277-43-7	S	~40	126 dec				
1634	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	S						2
1635	Lead	7439-92-1	S	327.2	1740	~0	20	11.34	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1636	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	LCJ000	379.35	mg/m³	N	15.50	C4H6O4.Pb. 3H2O
1637	Lead acetate, basic; (Lead subacetate)	1335-32-6	LCH000	807.71	mg/m³	N	33.01	C4H10O8Pb3
1638	Lead acetate; (Lead diacetate)	301-04-2	LCV000	325.29	mg/m³	N	13.30	C4H6O4·Pb
1639	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	LCK000	347.12	mg/m³	N	14.19	AsHO4.Pb
1640	Lead arsenate	3687-31-8	LCK100	899.41	mg/m³	N	36.76	As2O8.3Pb
1641	Lead bromide	10031-22-8	LCT000	367.01	mg/m³	N	15.00	PbBr2
1642	Lead carbonate	598-63-0	LCP000	267.21	mg/m³	N	10.92	Pb.CO3
1643	Lead chloride	7758-95-4	LCQ000	278.09	mg/m³	N	11.37	PbCl2
1644	Lead chromate	7758-97-6	LCR000	323.19	mg/m³	N	13.21	Cr.O4.Pb
1645	Lead dioxide	1309-60-0	LCX000	239.19	mg/m³	Y	9.78	PbO2
1646	Lead fluoborate	13814-96-5	LDE000	380.81	mg/m³	N	15.56	Pb.B2F8

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1636	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	S						3
1637	Lead acetate, basic; (Lead subacetate)	1335-32-6	S	75	200 dec				2
1638	Lead acetate; (Lead diacetate)	301-04-2	Pwdr	75	>200 decomp			2.55	3
1639	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	S	720 dec				5.8	3
1640	Lead arsenate	3687-31-8	S						3
1641	Lead bromide	10031-22-8	S	373	916			6.66	
1642	Lead carbonate	598-63-0	S	315	400 dec			6.61	2
1643	Lead chloride	7758-95-4	S	501	950	1	547	5.85	2
1644	Lead chromate	7758-97-6	S	844	dec			6.3	3
1645	Lead dioxide	1309-60-0	S	290 dec				9.375	3
1646	Lead fluoborate	13814-96-5	L					1.75 @ 20C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1647	Lead fluoride	7783-46-2	LDF000	245.20	mg/m³	N	10.02	PbF2
1648	Lead hydroxide	19783-14-3	LCT000	241.21	mg/m³	N	9.86	Pb.(OH)2
1649	Lead iodide	10101-63-0	LCT000	461.01	mg/m³	N	18.84	PbI2
1650	Lead nitrate	10099-74-8	LDO000	331.21	mg/m³	Y	13.54	N2O6.Pb
1651	Lead nitrite	13826-65-8	LCT000	299.20	mg/m³	N	12.23	Pb(NO2)2
1652	Lead oxalate	814-93-7	LCT000	295.22	mg/m³	N	12.07	Pb.(COOH)2
1653	Lead oxide; (Lead monoxide)	1317-36-8	LDN000	223.19	mg/m³	Y	9.12	PbO
1654	Lead phosphate	7446-27-7	LDU000	811.51	mg/m³	N	33.17	3Pb.P2O8
1655	Lead sulfate; (Lead(II) sulfate (1:1))	7446-14-2	LDY000	303.25	mg/m³	Y	12.39	O4S·Pb
1656	Lead sulfide	1314-87-0	LDZ000	239.25	mg/m³	N	9.78	Pb.S
1657	Lead tetroxide	1314-41-6	LDS000	685.57	mg/m³	N	28.02	Pb3O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1647	Lead fluoride	7783-46-2	S	855	1290	10	904	7.75 cubic	3
1648	Lead hydroxide	19783-14-3	S						
1649	Lead iodide	10101-63-0	S	402	954			6.16	
1650	Lead nitrate	10099-74-8	S	470 dec				4.53	3
1651	Lead nitrite	13826-65-8	S						
1652	Lead oxalate	814-93-7	S						
1653	Lead oxide; (Lead monoxide)	1317-36-8	S	888		1	943	9.53	2
1654	Lead phosphate	7446-27-7	S	1014				6.9-7.3	3
1655	Lead sulfate; (Lead(II) sulfate (1:1))	7446-14-2	S	1170 (dec @ 1000)				6.2	3
1656	Lead sulfide	1314-87-0	S	1114	1281	1	852	7.5	2
1657	Lead tetroxide	1314-41-6	S	830	1472	1	943	8.32->	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1658	Lead(II) arsenite	10031-13-7	LCL000	421.03	mg/m³	N	17.21	As2O4.Pb
1659	Lead(II) perchlorate hydrate	13453-62-8	N.I.S. etc.	460.15	mg/m³	N	18.81	Cl2.H6.O11..Pb
1660	Leco set 7007 powder	z-0027	N.I.S. etc.		mg/m³	N		[Unknown]
1661	Leptophos	21609-90-5	LEN000	412.07	mg/m³	N	16.84	C13H10BrClO2. PS
1662	**Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)**	**40334-69-8**	BIQ250	233.35	mg/m³	N	9.54	C4.H4.As.Cl3
1663	**Lewisite 3; (Tris(2-chlorovinyl)arsine)**	**40334-70-1**	N.I.S. etc.	259.39	mg/m³	N	10.60	C6.H6.As.Cl3
1664	Lignosulfonate (aqueous)	8062-15-5	N.I.S.		mg/m³	N		[Unknown]
1665	Limonene, d-	5989-27-5	LFU000	136.26	ppm	N	5.57	C10H16
1666	Lindane; (gamma-Benzenehexachloride)	58-89-9	BBQ500	290.82	mg/m³	N	11.89	C6H6Cl6
1667	Linseed oil	8001-26-1	LGK000		mg/m³	Y		[Unknown]
1668	Liquified petroleum gas; (L.P.G.)	68476-85-7	LGM000	42.58	ppm	N	1.74	[Unspecified]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1658	Lead(II) arsenite	10031-13-7	S					5.85	3
1659	Lead(II) perchlorate hydrate	13453-62-8	S	100				2.6	
1660	Leco set 7007 powder	z-0027							
1661	Leptophos	21609-90-5	S	70.2-70.4	380	0.000002	25	1.53 @ 25 C	3
1662	**Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)**	**40334-69-8**	L						3
1663	**Lewisite 3; (Tris(2-chlorovinyl)arsine)**	**40334-70-1**	L						
1664	Lignosulfonate (aqueous)	8062-15-5	L	~200 dec				~ 1.5	
1665	Limonene, d-	5989-27-5	L	-74.35	175.5-176	20	68.2	0.8402	3
1666	Lindane; (gamma-Benzenehexachloride)	58-89-9	S			0.5			3
1667	Linseed oil	8001-26-1	L	-19	343			0.93	2
1668	Liquified petroleum gas; (L.P.G.)	68476-85-7	G						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1669	Lithium	7439-93-2	LGO000	6.94	mg/m³	N	0.28	Li
1670	Lithium acetate dihydrate	6108-17-4	N.I.S. etc.	102.02	mg/m³	N	4.17	Li..C2.H3.O2..2 H2O
1671	Lithium aluminate	12003-67-7	N.I.S.	65.92	mg/m³	N	2.69	Al.Li.O2
1672	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	N.I.S.	65.92	mg/m³	N	2.69	LiAlO2
1673	Lithium aluminum silicate; (Spodumene (mineral); Petalite)	1302-66-5	N.I.S.	306.28	mg/m³	N	12.52	Al-Li-O6-Si-O4
1674	Lithium azide	19597-69-4	LGV000	48.96	mg/m³	Y	2.00	LiN3
1675	Lithium borohydride; (Lithium tetraborate)	16949-15-8	LHT000	21.79	mg/m³	N	0.891	B.H4..Li
1676	Lithium bromide	7550-35-8	LGY000	86.85	mg/m³	Y	3.55	LiBr
1677	Lithium carbonate	554-13-2	LGZ000	73.89	mg/m³	N	3.02	CO3.2Li
1678	Lithium chloride	7447-41-8	LHB000	42.39	mg/m³	Y	1.73	Li.Cl
1679	Lithium chromate; (Lithium chromate dihydrate}	14307-35-8	LHD000	165.92	mg/m³	N	6.78	Li2..Cr.O4.. 2H.2O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1669	Lithium	7439-93-2	S	178	1317	1	723	0.534	3
1670	Lithium acetate dihydrate	6108-17-4	S	58				1.3	
1671	Lithium aluminate	12003-67-7	S						
1672	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	S	1900-2000				2.5525	D
1673	Lithium aluminum silicate; (Spodumene (mineral); Petalite)	1302-66-5	S						
1674	Lithium azide	19597-69-4	S	115-298					D
1675	Lithium borohydride; (Lithium tetraborate)	16949-15-8	S	268	380			0.66	3
1676	Lithium bromide	7550-35-8	Sdeliq.	547	1265	1	748	3.46	2
1677	Lithium carbonate	554-13-2	S	720	1200 dec			2.11	3
1678	Lithium chloride	7447-41-8	S	610	1350	1	547	2.07	3
1679	Lithium chromate; (Lithium chromate dihydrate}	14307-35-8	S deliq.	75 dec				2.15	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1680	Lithium deuteride	13587-16-1	N.I.S.	8.96	mg/m³	Y	0.37	LiD
1681	Lithium diisopropylamide; (LDA)	4111-54-0	N.I.S.	107.12	mg.m³	N	4.378	C6.H14.Li.N
1682	Lithium fluoride	7789-24-4	LHF000	25.94	mg/m³	N	1.06	Fli
1683	**Lithium hydride**	**7580-67-8**	LHH000	7.95	mg/m³	Y	0.32	LiH
1684	Lithium hydroxide	1310-65-2	LHI100	23.95	mg/m³	Y	0.98	LiOH
1685	Lithium hydroxide monohydrate	1310-66-3	N.I.S. etc.	41.97	mg/m³	Y	1.72	Li.OH..H2O
1686	Lithium iodide	10377-51-2	N.I.S.	133.84	mg/m³	N	5.47	Li.I
1687	Lithium metaborate, anhydrous	13453-69-5	N.I.S.	49.75	mg/m³	N	2.03	Li..B.O2
1688	Lithium molybdate	13568-40-6	N.I.S. etc.	173.82	mg/m³	N	7.10	Li2MoO4
1689	Lithium niobium oxide; (Lithium niobate)	12031-63-9	N.I.S.	147.85	mg/m³	N	6.04	LiNbO3
1690	Lithium nitrate	7790-69-4	N.I.S.	69.00	mg/m³	N	2.82	LiNO3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1680	Lithium deuteride	13587-16-1	S	680				0.906	D
1681	Lithium diisopropylamide; (LDA)	4111-54-0	S					0.79	
1682	Lithium fluoride	7789-24-4	S	848	1676	1	1047	2.635	3
1683	**Lithium hydride**	**7580-67-8**	S	680	850 dec	~0	20	0.76-0.77	3
1684	Lithium hydroxide	1310-65-2	S	470	924 dec			2.54	3
1685	Lithium hydroxide monohydrate	1310-66-3	S					1.51	
1686	Lithium iodide	10377-51-2	S	469	1171			4.06	
1687	Lithium metaborate, anhydrous	13453-69-5	S hygr	849	1719			2.18	
1688	Lithium molybdate	13568-40-6	S	705				2.66	D
1689	Lithium niobium oxide; (Lithium niobate)	12031-63-9	S	1250					D
1690	Lithium nitrate	7790-69-4	S	261	600 dec			2.38	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1691	Lithium nitride	26134-62-3	LHM000	34.82	mg/m³	Y	1.42	Li3N
1692	Lithium nitrite	13568-33-7	N.I.S.	52.94	mg/m³	N	2.16	Li.N.O2
1693	Lithium perchlorate, anhydrous	7791-03-9	LHM875	106.39	mg/m³	N	4.35	Li.Cl.O4
1694	Lithium stearate	4485-12-5	LHQ100	290.47	mg/m³	N	11.87	Li..C18.H35.O2
1695	Lithium sulfate	10377-48-7	LHR000	109.94	mg/m³	N	4.49	O4S·2Li
1696	Lithium tetraborate	12007-60-2	N.I.S.	259.19	mg/m³	N	10.59	Li2B4O7. 5H2O
1697	Lithium tetraborate pentahydrate	1303-94-2	N.I.S. etc.	163.08	mg/m³	N	6.67	LiBO2
1698	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	LHS000	37.96	mg/m³	Y	1.55	Al.H4..Li
1699	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6	N.I.S., etc.	106.95	mg/m³	N	4.371	C6.H15.B.D.Li
1700	Lithium triethylborohydride, super-hydride	22560-16-3	N.I.S. etc.	105.94	mg/m³	Y	4.330	Li.(C2.H5)3. BH
1701	Lubricating oil, rerefined	68476-77-7	N.I.S.		mg/m³	N		

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1691	Lithium nitride	26134-62-3	S	813				1.3	3
1692	Lithium nitrite	13568-33-7	S						
1693	Lithium perchlorate, anhydrous	7791-03-9	L						3
1694	Lithium stearate	4485-12-5	S	220				1.03	3
1695	Lithium sulfate	10377-48-7	S	859					2
1696	Lithium tetraborate	12007-60-2	S	930				2.4	D
1697	Lithium tetraborate pentahydrate	1303-94-2	S	845				1.39741	D
1698	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	S reacts H2O	125 dec				0.92	3
1699	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6						0.898	
1700	Lithium triethylborohydride, super-hydride	22560-16-3	S						
1701	Lubricating oil, rerefined	68476-77-7	L						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1702	Lutetium	7439-94-3	N.I.S.	174.97	mg/m³	Y	7.151	Lu
1703	Lutetium oxide	12032-20-1	N.I.S.	397.93	mg/m³	N	16.26	Lu2O3
1704	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	LJA010	107.17	ppm	N	4.380	C7.H9.N
1705	Magnesium	7439-95-4	MAC750	24.31	mg/m³	N	0.99	Mg
1706	Magnesium acetate tetrahydrate	16674-78-5	N.I.S. etc.	250.30	mg/m³	N	10.23	Mg..C4.H6.O4..6 H2O
1707	Magnesium carbonate hydroxide	7760-50-1	N.I.S.	395.58	mg/m³	N	16.17	C2.H2.Mg5.O14
1708	Magnesium carbonate; (Magnesite)	546-93-0	MAC650	84.32	mg/m³	N	3.45	Mg.CO3
1709	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	N.I.S. etc.	395.58	mg/m³	N	16.17	C4.H2.Mg5.O14
1710	Magnesium chloride	7786-30-3	MAE250	95.21	mg/m³	N	3.89	Cl2Mg
1711	Magnesium chloride hexahydrate	7791-18-6	MAE500	203.33	mg/m³	N	8.31	Mg.Cl2-6H2O
1712	Magnesium ethoxide	2414-98-4	N.I.S.	114.43	mg/m³	N	4.68	C4.H10.Mg.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1702	Lutetium	7439-94-3	S	1663	3402			9.84	3
1703	Lutetium oxide	12032-20-1	S	2500				9.42	
1704	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	L	-5.8	144	5.65	25	0.9252 @ 20C	3
1705	Magnesium	7439-95-4	S	651	1100	1	62.1	1.738	3
1706	Magnesium acetate tetrahydrate	16674-78-5	L						3
1707	Magnesium carbonate hydroxide	7760-50-1	S						
1708	Magnesium carbonate; (Magnesite)	546-93-0	S	350 dec				3.04	1
1709	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	S						
1710	Magnesium chloride	7786-30-3	S	714	1412			2.325	3
1711	Magnesium chloride hexahydrate	7791-18-6	S	118 dec				1.59	3
1712	Magnesium ethoxide	2414-98-4	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1713	Magnesium fluoride	7783-40-6	MAF500	62.31	mg/m³	N	2.55	F2Mg
1714	Magnesium formate	557-39-1	MAE750	150.31	mg/m³	N	6.14	Mg(CHO2)2. 2H2O
1715	Magnesium hydroxide	1309-42-8	MAG750	58.33	mg/m³	N	2.38	Mg-(OH)2
1716	Magnesium iodate tetrahydrate	7790-32-1	N.I.S.	446.17	mg/m³	N	18.24	Mg.(I.O3)2..4(H2.O)
1717	Magnesium nitrate hexahydrate	13446-18-9	N.I.S.	256.45	mg/m³	Y	10.48	Mg.N2.O6..6H2O
1718	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	MAH000	148.33	mg/m³	N	6.06	N2O6.Mg
1719	Magnesium oxide	1309-48-4	MAH500	40.31	mg/m³	N	1.65	MgO
1720	Magnesium silicate hydrate	1343-90-4	MAJ000	278.91	mg/m³	N	11.40	Mg2O8Si3H2O
1721	Magnesium silicate; (Florisil)	1343-88-0	N.I.S.		mg/m³	N		
1722	Magnesium sulfate (1:1)	7487-88-9	MAJ250	120.37	mg/m³	N	4.92	Mg.S.O4
1723	Magnesium sulfate heptahydrate	10034-99-8	MAJ500	246.51	mg/m³	N	10.08	Mg.S.O4..7H2O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1713	Magnesium fluoride	7783-40-6	S	1263	2239			2.9-3.2	2
1714	Magnesium formate	557-39-1	S						
1715	Magnesium hydroxide	1309-42-8	S amor	350 dec				2.36	2
1716	Magnesium iodate tetrahydrate	7790-32-1	S	210 dec				3.3	
1717	Magnesium nitrate hexahydrate	13446-18-9	S	89	330 dec			1.46	
1718	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	S	95-100	330 dec			1.45	3
1719	Magnesium oxide	1309-48-4	S	2800	3600	~0	20	3.65-3.75	2
1720	Magnesium silicate hydrate	1343-90-4	S						1
1721	Magnesium silicate; (Florisil)	1343-88-0	S					2.5	
1722	Magnesium sulfate (1:1)	7487-88-9	S	1127				2.66	3
1723	Magnesium sulfate heptahydrate	10034-99-8	S	loses 7H2O @ 200	1124 dec			1.68	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1724	Magnesium(II) nitrate (1:2), hexahydrate	10213-15-7	MAH250	256.45	mg/m³	Y	10.48	Mg.N2.O6..6H2.O
1725	Malathion	121-75-5	MAK700	330.38	mg/m³	N	13.50	C10H19O6PS2
1726	Maleic acid	110-16-7	MAK900	116.08	mg/m³	Y	4.74	C4.H4.O4
1727	Maleic acid, disodium salt	371-47-1	SIE000	277.01	mg/m³	Y	11.32	C4.H4.O4..xNa
1728	**Maleic anhydride**	**108-31-6**	MAM000	98.06	ppm	N	4.01	C4.H2.O3
1729	Maleic hydrazide; (3,6-Pyridazinedione,1,2-dihydro-)	123-33-1	DMC600	112.10	mg/m³	N	4.58	C4.H4.N2.O2
1730	Malic acid, DL-	617-48-1	N.I.S.	134.09	mg/m³	Y	5.48	C4.H6.O5
1731	Malonic acid; (Carboxyacetic acid)	141-82-2	CCC750	104.07	mg/m³	Y	4.25	C3.H4.O4
1732	Mancozeb; (Dithane M-45)	8018-01-7	DXI400	541.03	mg/m³	N	22.1126	C4.H6.Mn.N2.S4*C4.H6.N2.S4.Zn
1733	Manganese	7439-96-5	MAP750	54.94	mg/m³	Y	2.25	Mn
1734	Manganese carbonate	598-62-9	MAR500	114.95	mg/m³	Y	4.70	Mn.C.H2.O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1724	Magnesium(II) nitrate (1:2), hexahydrate	10213-15-7	S delq	~95				1.464	1
1725	Malathion	121-75-5	L	2.9	156 @ 0.7mm	0.00004		1.23	3
1726	Maleic acid	110-16-7	S	138-139	135 dec	3.59E-05	25	1.59	2
1727	Maleic acid, disodium salt	371-47-1	S						2
1728	**Maleic anhydride**	**108-31-6**	S	52.7	202.2	0.2	20	1.48	3
1729	Maleic hydrazide; (3,6-Pyridazinedione,1,2-dihydro-)	123-33-1	S	>300				1.60 @ 25 C	2
1730	Malic acid, DL-	617-48-1	S	132				1.25	
1731	Malonic acid; (Carboxyacetic acid)	141-82-2	S	135.6				1.63	3
1732	Mancozeb; (Dithane M-45)	8018-01-7	S powder	192-204 dec.					2
1733	Manganese	7439-96-5	S	1244	2060	1	1292	7.2	3
1734	Manganese carbonate	598-62-9	S		200 dec			3.7	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1735	Manganese dioxide	1313-13-9	MAS000	86.94	mg/m³	Y	3.55	Mn.O2
1736	Manganese hydroxide	18933-05-6	MAR500	88.95	mg/m³	N	3.64	Mn(OH)2
1737	Manganese nitrite	z-0029	MAR500	146.95	mg/m³	Y	6.01	Mn(NO2)2
1738	Manganese oxalate	640-67-5	MAR500	142.95	mg/m³	Y	5.84	MnC2O4
1739	Manganese oxide; (Manganese tetroxide)	1317-35-7	MAV550	228.82	mg/m³	N	9.35	Mn3O4
1740	Manganese phosphate	10124-54-6	MAR500	354.75	mg/m³	Y	14.50	xMn.PH3O4
1741	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	MAV750	218.10	mg/m³	Y	8.91	MnO3C9H7
1742	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	MAR000	125.84	mg/m³	N	5.14	Cl2Mn
1743	Manganese(II) chloride tetrahydrate	13446-34-9	MAR250	197.92	mg/m³	N	8.09	Mn..Cl2..4 H2O
1744	Manganese(II) nitrate	10377-66-9	MAS900	178.96	mg/m³	Y	7.31	N2O6.Mn
1745	Manganese(II) nitrate hydrate	15710-66-4	N.I.S. etc.	196.96	mg/m³	N	8.05	H2.Mn.N2.O7

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1735	Manganese dioxide	1313-13-9	S	dec				5	3
1736	Manganese hydroxide	18933-05-6	S	dec				3.26	
1737	Manganese nitrite	z-0029	S						
1738	Manganese oxalate	640-67-5	S						
1739	Manganese oxide; (Manganese tetroxide)	1317-35-7	S	1564				4.7	2
1740	Manganese phosphate	10124-54-6	S						
1741	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	L/S	1.5	233	7.3	100	1.388 @ 20	3
1742	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	S deliq	654	1225			2.977	3
1743	Manganese(II) chloride tetrahydrate	13446-34-9	S	58				2.01	3
1744	Manganese(II) nitrate	10377-66-9	S	26	129			1.82	2
1745	Manganese(II) nitrate hydrate	15710-66-4	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1746	Manganese(II) sulfate monohydrate	10034-96-5	MAU300	169.02	mg/m³	Y	6.91	Mn.O4.S..H2.O
1747	Manganese(III) oxide	1317-34-6	MAT500	157.88	mg/m³	N	6.45	Mn2.O3
1748	Manganese(VII) oxide	12057-92-0	MAT750	221.88	mg/m³	Y	9.07	Mn2O7
1749	Manganous oxide; (Manganese(II) oxide)	1344-43-0	MAT250	70.94	mg/m³	N	2.90	MnO
1750	Manganous sulfate	7785-87-7	MAU250	151.00	mg/m³	N	6.17	MnSO4.
1751	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	MAV000	87.00	mg/m³	N	3.56	MnS
1752	Mastic (resin)	61789-92-2	MBU777		mg/m³	N		[Unspecified]
1753	Melamine	108-78-1	MCB000	126.15	mg/m³	Y	5.16	C3H6N6
1754	Mephosfolan	950-10-7	DHH400	269.34	mg/m³	N	11.01	C8H16NO3PS2
1755	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	TFJ100	92.12	ppm	Y	3.765	C2.H4.O2.S
1756	Mercaptobenzoic acid, O-	147-93-3	MCK750	154.19	mg/m³	N	6.30	C7.H6.O2.S

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1746	Manganese(II) sulfate monohydrate	10034-96-5	S	700	850 dec			3.25	2
1747	Manganese(III) oxide	1317-34-6	S	871-887	dec			5	2
1748	Manganese(VII) oxide	12057-92-0	L	5.9					3
1749	Manganous oxide; (Manganese(II) oxide)	1344-43-0	S	1650				5.45	2
1750	Manganous sulfate	7785-87-7	S	700	850 dec			3.25	3
1751	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	S	3.99					2
1752	Mastic (resin)	61789-92-2	S						1
1753	Melamine	108-78-1	S	347	subl.	50	315	1.573	2
1754	Mephosfolan	950-10-7	S		410	1E-10	25	1.539 @ 26 C	3
1755	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	L	-16.5	108 @ 15mm	0.0868	25	1.325	3
1756	Mercaptobenzoic acid, O-	147-93-3	S	164		subl.			3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1757	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4	BDF000	167.25	mg/m³	N	6.84	C7H5NS2
1758	Mercaptoethanol, 2-	60-24-2	MCN250	78.14	ppm	Y	3.19	C2.H6.O.S
1759	Mercaptopropionic acid, 3-	107-96-0	MCQ000	106.15	mg/m³	N	4.338	C3.H6.O2.S
1760	Mercuric acetate	1600-27-7	MCS750	318.69	mg/m³	Y	13.03	Hg.C4H6O
1761	Mercuric cyanide	592-04-1	MDA250	252.63	mg/m³	Y	10.33	Hg.C2N2
1762	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	MDD000	454.39	mg/m³	N	18.57	HgI2
1763	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	MDG500	296.65	mg/m³	Y	12.12	Hg.SO4
1764	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	MCU250	316.79	mg/m³	N	12.95	Hg(SCN)2
1765	Mercuric trifluoroacetate	13257-51-7	N.I.S. etc.	426.62	mg/m³	Y	17.437	Hg.(C.F3.C.O.O)2
1766	Mercurol; (Mercury nucleate)	12002-19-6	MCV250		mg/m³	N		20% Hg
1767	Mercurous chloride (see also MCY300)	7546-30-7	MCW000	236.04	mg/m³	N	9.65	Hg.Cl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1757	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4	S	177-179				1.52	3
1758	Mercaptoethanol, 2-	60-24-2	L		157-158	1	20	1.1168 @ 20C	3
1759	Mercaptopropionic acid, 3-	107-96-0	I	16.8	114-115.5			1.218 @ 21	3
1760	Mercuric acetate	1600-27-7	S	178-180	decom			3.28	3
1761	Mercuric cyanide	592-04-1	S	320 decom				3.996	3
1762	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	S	259	~350			6.28	3
1763	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	S	decom				6.47	3
1764	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	S						3
1765	Mercuric trifluoroacetate	13257-51-7	S	171-173					2
1766	Mercurol; (Mercury nucleate)	12002-19-6	S						3
1767	Mercurous chloride (see also MCY300)	7546-30-7	S	400 subl				7.15	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1768	Mercurous nitrate monohydrate	7782-86-7	MCZ000	281.62	mg/m³	Y	11.51	Hg.(NO3)H.H2O
1769	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	MDE750	262.60	mg/m³	Y	10.73	Hg.NO3
1770	Mercurous oxide	15829-53-5	MDF750	417.22	mg/m³	Y	17.05	Hg2O
1771	Mercury hydroxide	12135-13-6	N.I.S. etc.	234.61	mg/m³	Y	9.59	Hg.(OH)2
1772	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	MDF000	324.61	mg/m³	Y	13.27	Hg.(NO3)2
1773	Mercury nitrite	13492-25-6	MCZ000	292.59	mg/m³	Y	11.96	Hg.(NO2)2
1774	**Mercury vapor**	**7439-97-6**	MCW250	200.59	mg/m³	Y	8.20	Hg (element)
1775	Mercury(I) chloride	10112-91-1	MCY300	472.08	mg/m³	N	19.29	Cl2.Hg2
1776	Mercury(II) chloride	7487-94-7	MCY475	271.50	mg/m³	Y	11.10	Cl2Hg
1777	Mercury(II) nitrate monohydrate	7783-34-8	N.I.S.	342.62	mg/m³	N	14.00	Hg(N.O3)2..H2.O
1778	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	MCT500	216.59	mg/m³	Y	8.85	HgO

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1768	Mercurous nitrate monohydrate	7782-86-7	S	79.1 del				4.3	3
1769	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	S	70 decom				4.78 @ 25C	3
1770	Mercurous oxide	15829-53-5	S	100 dec				9.8	3
1771	Mercury hydroxide	12135-13-6	S						
1772	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	S	79	decom			4.39	3
1773	Mercury nitrite	13492-25-6	S						
1774	**Mercury vapor**	**7439-97-6**	L	-38.9	356.7	0.00225		13.534	3
1775	Mercury(I) chloride	10112-91-1	S	400 subl.				7.15	3
1776	Mercury(II) chloride	7487-94-7	S	280	302	1	136.2	5.44	3
1777	Mercury(II) nitrate monohydrate	7783-34-8	S hygr.	79				4.3	
1778	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	S	500 dec				11.14	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1779	Mesitylene; (1,3,5-Trimethyl benzene)	108-67-8	TLM050	120.21	ppm	Y	4.91	C9H12
1780	Metaphosphoric acid	37267-86-0	N.I.S.	79.98	mg/m³	N	3.27	H.P.O3
1781	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	AAW250	172.20	mg/m³	N	7.04	C8H12O4
1782	Methacrylaldehyde	78-85-3	MGA250	70.10	ppm	Y	2.87	C4H6O
1783	Methacrylamide	79-39-0	MDN500	85.12	mg/m³	Y	3.48	C4.H7.N.O
1784	**Methacrylic acid**	**79-41-4**	MDN250	86.10	ppm	Y	3.52	H2C=C(CH3)CO.OH
1785	Methacrylic acid diester with triethylene glycol; (Polyester TGM3)	109-16-0	MDN510	286.36	mg/m³	N	11.70	C14H22O6
1786	Methacrylic anhydride	760-93-0	MDN699	154.18	mg/m³	N	6.30	C8H10O3
1787	**Methacrylonitrile; (Methylacrylonitrile)**	**126-98-7**	MGA750	67.10	ppm	Y	2.74	C4H5N
1788	Methacryloyl chloride	920-46-7	MDN899	104.54	ppm	N	4.27	C4H5ClO
1789	Methamidophos	10265-92-6	DTQ400	141.14	mg/m³	N	5.77	C2H8NO2PS

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1779	Mesitylene; (1,3,5-Trimethyl benzene)	108-67-8	L	-44.8	164.7			0.8637	3
1780	Metaphosphoric acid	37267-86-0	S hygr	21	260	0.03	25		
1781	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	L		191	0.35	25	1.051 @ 20 C	3
1782	Methacrylaldehyde	78-85-3	L	-81	68-70	120	20	0.830 @ 20 C	3
1783	Methacrylamide	79-39-0	S	105-107	215				3
1784	**Methacrylic acid**	**79-41-4**	L	16	163	1	25.5	1.014 @25 c	3
1785	Methacrylic acid diester with triethylene glycol; (Polyester TGM3)	109-16-0	L						1
1786	Methacrylic anhydride	760-93-0	L		240	0.01	25	1.035	3
1787	**Methacrylonitrile; (Methylacrylonitrile)**	**126-98-7**	L	-36	90.3	40	12.8	0.805	3
1788	Methacryloyl chloride	920-46-7	L	-60	96	40	25		3
1789	Methamidophos	10265-92-6	S	40	dec	0.0003	25	1.31 @ 44.5 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1790	Methane	74-82-8	MDQ750	16.05	ppm	N	0.66	CH4
1791	Methane (d-3)	676-80-2	N.I.S. etc.	19.07	ppm	N	0.779	C.H.D3
1792	Methanesulfonic acid	75-75-2	MDR250	96.01	mg/m³	Y	3.92	CH4O3S
1793	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	EMF500	124.17	mg/m³	N	5.07	C3H8O3S
1794	Methanesulfonyl chloride	124-63-0	MDR300	114.55	mg/m³	Y	4.68	C.H3.Cl.O2.S
1795	Methanesulfonyl fluoride	558-25-8	MDR750	98.10	ppm	N	4.01	CH3FO2S
1796	Methidathion; (O,O'-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolinyl)-3-methyldithiophosphate)	950-37-8	DSO000	302.34	mg/m³	Y	12.36	C6H11N2O4PS3
1797	Methiocarb; (Mercaptodimethur)	2032-65-7	DST000	225.33	mg/m³	N	9.21	C11H15NO2S
1798	Methomyl	16752-77-5	MDU600	162.23	mg/m³	N	6.63	C5H10N2O2S
1799	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	AOT530	136.15	mg/m³	Y	5.565	C8.H8.O2
1800	Methoxybenzyl alcohol, 4-	105-13-5	MED500	138.18	mg/m³	N	5.648	C8.H10.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1790	Methane	74-82-8	G	-182.5	-161.6	>760		0.7168	3
1791	Methane (d-3)	676-80-2	G	-183	-163				
1792	Methanesulfonic acid	75-75-2	S/L	20	167 @ 10mm			1.4812	3
1793	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	L		213	0.328	25	1.1452 @ 22 C	3
1794	Methanesulfonyl chloride	124-63-0	L	-32	62 @ 18 mm	18	62	1.4805 @ 18C	D
1795	Methanesulfonyl fluoride	558-25-8	L		124	10	25		3
1796	Methidathion; (O,O'-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolinyl)-3-methyldithiophosphate)	950-37-8	S	39-40		0.000001	25	1.495 @ 20 C	3
1797	Methiocarb; (Mercaptodimethur)	2032-65-7	S	117-118	325	0.0001	25		3
1798	Methomyl	16752-77-5	S	78-79	335	0.00005	25	1.2946 @ 24 C	3
1799	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	L	0	249.5	1	73	1.123 @ 20	2
1800	Methoxybenzyl alcohol, 4-	105-13-5	L/S	25	259.1			1.108	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1801	Methoxychlor	72-43-5	MEI450	345.66	mg/m³	N	14.13	C16H15Cl3O2
1802	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	DJG000	120.17	ppm	Y	4.91	C5H12O3
1803	Methoxyethylamine, 2-	109-85-3	MEM500	75.13	ppm	N	3.07	C3H9NO
1804	Methoxyethylmercuric acetate	151-38-2	MEO750	318.74	mg/m³	N	13.03	C5H10HgO3
1805	Methoxyphenol, P-	150-76-5	MFC700	124.15	mg/m³	Y	5.07	C7.H8.O2
1806	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	MFM000	89.16	ppm	Y	3.64	C4H11NO
1807	Methoxytrimethylsilane	1825-61-2	N.I.S.	104.22	ppm	N	4.26	C4-H12-O-Si
1808	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	MIQ075	111.11	ppm	Y	4.54	C5-H5-N-O2
1809	Methyl 2-pyrrolidinone, 1-; (n-Methylpyrrolidone)	872-50-4	MPF200	99.15	ppm	Y	4.05	C5H9NO
1810	Methyl acetate	79-20-9	MFW100	74.09	ppm	Y	3.028	C3.H6.O2
1811	Methyl acetylene	74-99-7	MFX590	40.07	ppm	N	1.64	HC==CCH3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1801	Methoxychlor	72-43-5	S	78				12 vapor	3
1802	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	L	-70	194.2	0.2	20	1.0354	2
1803	Methoxyethylamine, 2-	109-85-3	L		95				3
1804	Methoxyethylmercuric acetate	151-38-2	S	42		0.00001	25		3
1805	Methoxyphenol, P-	150-76-5	S	52.5	246			1.55 @ 20C	3
1806	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	L	-75.7	116	20	30	0.8615	3
1807	Methoxytrimethylsilane	1825-61-2							
1808	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	L	-22.5	200.5	0.2	25	1.1012	2
1809	Methyl 2-pyrrolidinone, 1-; (n-Methylpyrrolidone)	872-50-4	L	-17	202			1.027	3
1810	Methyl acetate	79-20-9	L	-98.7	57.8	100	9.4	0.92438	3
1811	Methyl acetylene	74-99-7	G	-104	-23.3	3876	20	1.38	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1812	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	MFX600	80.19	ppm	Y	3.28	C6.H8
1813	Methyl acrylate	96-33-3	MGA500	86.10	ppm	Y	3.52	CH3OCO-CH=CH2
1814	Methyl alcohol d	1455-13-6	N.I.S. etc.	33.05	ppm	N	1.351	D.O..C.H3
1815	**Methyl alcohol; (Methanol)**	**67-56-1**	MGB150	32.05	ppm	Y	1.31	CH3.OH
1816	Methyl alcohol-d4	811-98-3	N.I.S.	36.07	mg/m³	N	1.474	D.O..C.D3
1817	Methyl benzoate; (Benzoic acid methyl ester)	93-58-3	MHA759	136.16	ppm	Y	5.565	C8.H8.O2
1818	**Methyl bromide; (Bromomethane)**	**74-83-9**	MHR200	94.95	ppm	Y	3.88	CH3Br
1819	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	MHU750	142.22	mg/m³	Y	5.81	C8.H14.O2
1820	**Methyl chloride**	**74-87-3**	MIF765	50.49	ppm	Y	2.06	CH3.Cl
1821	**Methyl chloroformate; (Methyl chlorocarbonate)**	**79-22-1**	MIG000	94.50	ppm	Y	3.86	C2H3ClO2
1822	Methyl chlorosilane; (Chloromethylsilane)	993-00-0	N.I.S. etc.	80.59	ppm	Y	3.29	CH5ClSi

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1812	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	G	-38 - -20					3
1813	Methyl acrylate	96-33-3	L	-76.5	85	100	28	0.9561 @ 20c	3
1814	Methyl alcohol d	1455-13-6	L	11	65.5			0.81	2
1815	**Methyl alcohol; (Methanol)**	**67-56-1**	L	-97.8	63.9	96	20	0.7915	3
1816	Methyl alcohol-d4	811-98-3	L	11	65.4			0.888	2
1817	Methyl benzoate; (Benzoic acid methyl ester)	93-58-3	L	-12.5	199.6	1	39	1.082	2
1818	**Methyl bromide; (Bromomethane)**	**74-83-9**	G	-93.9	3.3	>760		1.732 @ 0C	3
1819	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	L	-75	163	2.12	25	0.8836 @ 20C	3
1820	**Methyl chloride**	**74-87-3**	G	-97.8	-24.4	>760		0.918	3
1821	**Methyl chloroformate; (Methyl chlorocarbonate)**	**79-22-1**	L		71.4			1.223	3
1822	Methyl chlorosilane; (Chloromethylsilane)	993-00-0	G	-135	-45				

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1823	**Methyl cyclohexylfluorophosphonate; (GF)**	**329-99-7**	MIT600	180.18	ppm	N	7.36	C7H14FO2P
1824	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	MIW250	216.27	mg/m³	N	8.84	C5H13O3PS2
1825	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	MJD275	100.01	mg/m³	N	4.09	CH3F2OP
1826	Methyl ether; (Dimethyl ether)	115-10-6	MJW500	46.08	ppm	N	1.88	C2H6O
1827	Methyl ethyl ketone peroxide	1338-23-4	MKA500	176.24	ppm	Y	7.20	C8H16O4
1828	Methyl fluoride; (Fluoromethane)	593-53-3	FJK000	34.03	mg/m³	N	1.39	CH3.F
1829	Methyl fluoroacetate	453-18-9	MKD000	92.08	mg/m³	N	3.76	C3H5FO2
1830	Methyl fluorosulfate	421-20-5	MKG250	114.10	ppm	Y	4.66	CH3FO3S
1831	Methyl formate; (Formic acid, methyl ester)	107-31-3	MKG750	60.06	ppm	Y	2.45	C2H4O2
1832	**Methyl iodide**	**74-88-4**	MKW200	141.94	ppm	Y	5.80	CH3.I
1833	Methyl isobutyl ketone; (Hexone)	108-10-1	HFG500	100.18	ppm	Y	4.09	(CH3)2-CH-CH2CO-CH3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1823	**Methyl cyclohexylfluorophosphonate; (GF)**	**329-99-7**							3
1824	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	L		230			1.207 @ 20 C	3
1825	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	L		98			1.33	3
1826	Methyl ether; (Dimethyl ether)	115-10-6	G	-138.5	-23.7	4450	25	0.661	3
1827	Methyl ethyl ketone peroxide	1338-23-4	L						3
1828	Methyl fluoride; (Fluoromethane)	593-53-3	G	-142	-78.2	>760		0.8774@ 78	3
1829	Methyl fluoroacetate	453-18-9	L		104.5			1.161 @ 15 C	3
1830	Methyl fluorosulfate	421-20-5	L		92			1.427 @ 16 C	3
1831	Methyl formate; (Formic acid, methyl ester)	107-31-3	L	-99.8	31.5	400	16	0.975 @ 20c	3
1832	**Methyl iodide**	**74-88-4**	L	-66.7	42.8	326		2.279	3
1833	Methyl isobutyl ketone; (Hexone)	108-10-1	L	-84.4	116.7	16	20	0.801	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1834	**Methyl isocyanate**	**624-83-9**	MKX250	57.06	ppm	Y	2.33	CH3NCO
1835	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	MLA750	86.15	ppm	Y	3.52	C5H10O
1836	Methyl isothiocyanate; (Isothiocyanatomethane)	556-61-6	ISE000	73.12	mg/m³	Y	2.99	C2H3NS
1837	Methyl lithium	917-54-4	MLD000	21.98	mg/m³	Y	0.90	Li.C.H3
1838	**Methyl mercaptan**	**74-93-1**	MLE650	48.11	ppm	Y	1.97	CH3.SH
1839	Methyl mercury	22967-92-6	MLF550	215.63	mg/m³	Y	8.81	CH3.Hg
1840	**Methyl methacrylate**	**80-62-6**	MLH750	100.13	ppm	Y	4.09	CH2-C(CH3)-COOCH3
1841	Methyl n-amyl ketone	110-43-0	MGN500	114.21	ppm	Y	4.67	C7H14O
1842	Methyl nitrate; (Nitric acid methyl ester)	598-58-3	MMF500	77.05	ppm	N	3.15	C.H3..N.O3
1843	**Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)**	**163702-07-6 163702-08-7**	N.I.S.	250.06	ppm	N	10.22	C5.H3.F9.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1834	**Methyl isocyanate**	**624-83-9**	L	-45	39.1	348	20	0.9599	3
1835	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	L		93-94			0.805 @ 16 C	3
1836	Methyl isothiocyanate; (Isothiocyanatomethane)	556-61-6	S/L	36	119	19	20	1.069 @ 37 C	3
1837	Methyl lithium	917-54-4	L					0.701	3
1838	**Methyl mercaptan**	**74-93-1**	G	-121.1	6.1	>760		0.8665	3
1839	Methyl mercury	22967-92-6	S						3
1840	**Methyl methacrylate**	**80-62-6**	L	-48.2	101	2	20	0.936	3
1841	Methyl n-amyl ketone	110-43-0	L		151.5	2.6	20	0.8197	3
1842	Methyl nitrate; (Nitric acid methyl ester)	598-58-3	L	-83	65 expl			1.208 @ 20C	3
1843	**Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)**	**163702-07-6 163702-08-7**	G						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1844	Methyl parathion	298-00-0	MNH000	263.22	mg/m³	N	10.76	C8H10NO5PS
1845	Methyl phencapton	3735-23-7	MNO750	349.25	mg/m³	N	14.27	C9H11Cl2O2PS2
1846	Methyl phosphonic dichloride	676-97-1	MOB399	132.91	mg/m³	Y	5.43	CH3Cl2OP
1847	Methyl phosphonothioic dichloride	676-98-2	MOC000	148.97	mg/m³	Y	6.09	CH3Cl2PS
1848	Methyl pyridine, 3-: (3-Picoline)	108-99-6	PIB920	93.14	ppm	Y	3.81	C6H7N
1849	Methyl salicylate	119-36-8	MPI000	152.16	ppm	Y	6.22	C8H8O3
1850	Methyl sulfoxide-D6; (Dimethyl-D6-sulfoxide)	2206-27-1	N.I.S.	84.15	mg/m³	Y	3.44	C2.D6.O.S
1851	Methyl tert-butyl ether	1634-04-4	MHV859	88.17	ppm	N	3.60	C5H12O2
1852	Methyl thiocyanate	556-64-9	MPT000	73.12	ppm	N	2.99	C2H3NS
1853	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	MQL250	72.12	ppm	N	2.95	C4H8O
1854	Methyl vinyl ketone; (3-Buten-2-one)	78-94-4	BOY500	70.10	ppm	Y	2.87	C4H6O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1844	Methyl parathion	298-00-0	S	35-36	158 @ 2 mm			1.358	3
1845	Methyl phencapton	3735-23-7	L		400	0.0000035	25		3
1846	Methyl phosphonic dichloride	676-97-1	S	32	162				3
1847	Methyl phosphonothioic dichloride	676-98-2	L	-25.6	177-178			1.35-1.42	2
1848	Methyl pyridine, 3-: (3-Picoline)	108-99-6	L		143-144			0.9613	3
1849	Methyl salicylate	119-36-8	L	-8.6	223.3	1	54	1.184 @25C	3
1850	Methyl sulfoxide-D6; (Dimethyl-D6-sulfoxide)	2206-27-1	L	18	55 @ 5 mmHg			1.19	
1851	Methyl tert-butyl ether	1634-04-4	L	-110	54			0.741	3
1852	Methyl thiocyanate	556-64-9	L	-51	130-133			1.068	3
1853	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	L	<-80	97			0.831 @ 20 C	1
1854	Methyl vinyl ketone; (3-Buten-2-one)	78-94-4	L		81.4			0.839325	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1855	Methyl-1-butene, 2-	563-46-2	MHT000	70.14	ppm	Y	2.87	C5H10
1856	Methyl-1H-benzotriazole	29385-43-1	MHK000	133.17	mg/m³	N	5.44	C7H7N3
1857	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	NNT000	174.22	mg/m³	Y	7.12	C10H10N2O
1858	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	N.I.S.	90.19	ppm	N	3.686	C4.H10.S
1859	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	DSL289	70.09	ppm	Y	2.86	(CH3)2C=C=O
1860	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	TFX810	150.24	mg/m³	N	6.14	C10.H14.O
1861	Methyl-2-butene, 2-	513-35-9	N.I.S.	70.13	ppm	N	2.866	C5.H10
1862	Methyl-2-chloroacrylate	80-63-7	MIF800	120.54	ppm	Y	4.93	C4H5ClO2
1863	Methyl-2-heptanone, 6-	928-68-7	N.I.S.	128.21	ppm	N	5.24	C8.H16.O
1864	Methyl-2-hexanone, 5-: (Methyl isoamyl ketone)	110-12-3	MKW450	114.21	ppm	N	4.67	C7H14O
1865	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	MDJ750	98.16	ppm	Y	4.01	C6H10O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1855	Methyl-1-butene, 2-	563-46-2	L	-137.5	31.04	610	20	0.06504 @ 20 C	3
1856	Methyl-1H-benzotriazole	29385-43-1							2
1857	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	Pwdr	128.9	191				2
1858	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	L	-165	84-85	80.71	25	0.8299 @ 17C	2
1859	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	L	-97.5	34				3
1860	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	S	51	233	1	64	0.972	3
1861	Methyl-2-butene, 2-	513-35-9	L	-133.72	38.56	468	25	0.6623 @ 20	2
1862	Methyl-2-chloroacrylate	80-63-7	L		140	12	25	1.189 @ 20 C	2
1863	Methyl-2-heptanone, 6-	928-68-7	L		167			0.8151 @ 20C	
1864	Methyl-2-hexanone, 5-: (Methyl isoamyl ketone)	110-12-3	L	-73.9	144			0.8132	3
1865	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	L	-59	130	10	26	0.8539	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1866	Methyl-4-penten-2-one, 4-	3744-02-3	Used MDJ750	98.14	ppm	Y	4.01	C6H10O
1867	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	NMP500	152.17	mg/m³	N	6.22	C7H8N2O2
1868	Methyl-5-vinylpyridine, 2-	140-76-1	MQM500	119.18	mg/m³	N	4.87	C8H9N
1869	Methyl-8-quinolinol, 2-	826-81-3	HMQ600	159.20	mg/m³	N	6.51	C10.H9.N.O.
1870	Methylal; (Dimethoxymethane)	109-87-5	MGA850	76.11	ppm	N	3.11	C3H8O2
1871	Methylamine hydrochloride	593-51-1	N.I.S.	67.53	mg/m³	N	2.76	C.H5.N..Cl.H
1872	Methylamino)ethanol, 2-(	109-83-1	MGG000	75.11	ppm	Y	3.07	C3.H9.N.O
1873	Methylaniline, n-	100-61-8	MGN750	107.17	ppm	N	4.38	C7H9N
1874	Methylaziridine, 1-	1072-44-2	N.I.S.	57.11	ppm	N	2.33	C3-H7-N
1875	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	N.I.S.	101.15	mg/m³	N	4.13	C5H11NO
1876	Methylbutylamine, N-	110-68-9	MHV000	87.19	ppm	Y	3.564	C5.H13.N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1866	Methyl-4-penten-2-one, 4-	3744-02-3	L	-72.6	124.2			0.8411	3
1867	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	S	107		0.000013	20		3
1868	Methyl-5-vinylpyridine, 2-	140-76-1	L		181	1.7	25	0.98 @ 20 C	3
1869	Methyl-8-quinolinol, 2-	826-81-3	S	73.8	267				D
1870	Methylal; (Dimethoxymethane)	109-87-5	L	-104.8	42.3	330	20	0.864	3
1871	Methylamine hydrochloride	593-51-1	S	232-234	227 @ 15C				
1872	Methylamino)ethanol, 2-(	109-83-1	L	-4.5	156	0.7	20	0.937 @ 20C	3
1873	Methylaniline, n-	100-61-8	L	-57	194-197			0.989	3
1874	Methylaziridine, 1-	1072-44-2	L		27.5			0.7572 @ 19 C	
1875	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	S	137	226				
1876	Methylbutylamine, N-	110-68-9	L	-75	91			0.7335	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1877	Methylcellulose	9004-67-5	MIF760		mg/m³	N		[Unspecified]
1878	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7	N.I.S.	110.75	ppm	Y	4.53	CH7ClSi2
1879	Methylcholanthrene 3-	56-49-5	MIJ750	268.37	mg/m³	N	10.97	C21H16
1880	Methylcyclohexane	108-87-2	MIQ740	98.21	ppm	N	4.01	C7H14
1881	Methylcyclohexanone	1331-22-2	MIR250	112.19	ppm	Y	4.59	C7H12O
1882	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	MIR500	112.19	ppm	Y	4.59	C7H12O
1883	Methylcyclopentane	96-37-7	MIU500	84.18	ppm	Y	3.44	C6.H12
1884	Methyldecane, 4-	2847-72-5	N.I.S. etc.	156.31	ppm	N	6.39	C11.H24
1885	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	MJM200	267.17	ppm	N	10.92	C13H12Cl2N2
1886	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	MJM600	262.39	ppm	Y	10.72	C15H22NO2
1887	**Methylene chloride**	**75-09-2**	MJP450	84.93	ppm	Y	3.47	CH2Cl2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1877	Methylcellulose	9004-67-5	S fibr						3
1878	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7							
1879	Methylcholanthrene 3-	56-49-5	S	180				1.28	3
1880	Methylcyclohexane	108-87-2	L	-126.4	100.3	40	22	0.7864	3
1881	Methylcyclohexanone	1331-22-2	L	-14	160-170			0.925	3
1882	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	L	-14	165.1			0.92	3
1883	Methylcyclopentane	96-37-7	L	−142.5	71.8	100	17.9	0.750 @ 20C	3
1884	Methyldecane, 4-	2847-72-5	L	-77.5	187			1.4352 @ 20C	
1885	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	S						3
1886	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	L						3
1887	**Methylene chloride**	**75-09-2**	L	-95	40	350	20	1.326	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1888	**Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)**	**101-68-8**	MJP400	250.27	mg/m³	Y	10.23	C15H10N2O2
1889	Methylene fluoride; (1,2,-Difluoromethane; HFC-32)	75-10-5	MJQ300	52.03	ppm	N	2.13	C.H2.F2
1890	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5	N.I.S.		mg/m³	N		C15.H10.N2.O
1891	Methylenebisacrylamide copolymer, n,n-	25034-58-6	N.I.S.	154.19	mg/m³	N	6.30	(-C7.H10.N2.O2. C3.H5.N.O)x
1892	Methylenebisacrylamide, n,n'-	110-26-9	MJL500	154.19	mg/m³	N	6.30	C7.H10.N2.O2
1893	Methylenedianiline, 4,4'-	101-77-9	MJQ000	198.29	ppm	N	8.10	C13H14N2
1894	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	IPI000	76.09	mg/m³	Y	3.11	(CH3)2 CHOOH
1895	Methylformamide, N-	123-39-7	MKG500	59.08	ppm	Y	2.415	C2.H5.N.O
1896	Methylfuran, 2-	534-22-5	MKH000	82.11	ppm	Y	3.36	C5-H6-O
1897	Methylheptane, 2-	592-27-8	N.I.S. etc.	114.23	ppm	N	4.669	C8.H18
1898	Methylheptane, 4-	589-53-7	N.I.S. etc.	114.23	ppm	N	4.67	C8H18

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1888	**Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)**	**101-68-8**	S	37	194-9	0.001	40	1.44	3
1889	Methylene fluoride; (1,2,-Difluoromethane; HFC-32)	75-10-5	L						1
1890	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5							
1891	Methylenebisacrylamide copolymer, n,n-	25034-58-6	S	185 dec				1.235 @ 30	
1892	Methylenebisacrylamide, n,n'-	110-26-9	S	185	dec			1.235 @ 30C	3
1893	Methylenedianiline, 4,4'-	101-77-9	S	93	398	0			3
1894	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	S		107-109				3
1895	Methylformamide, N-	123-39-7	L	-5.4	180-185	0.253	25	0.9961	2
1896	Methylfuran, 2-	534-22-5	L	-88.7	63.7	139	20	0.827 @ 20 C	3
1897	Methylheptane, 2-	592-27-8	L	-109	118			0.608	2
1898	Methylheptane, 4-	589-53-7	L	-121	117.7			0.7046 @ 20 C	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1899	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2	N.I.S.		mg/m³	N		
1900	Methylimidazole	822-36-6	MKU000	82.12	mg/m³	N	3.36	C4.H6.N2
1901	Methylimidazole, 1-	616-47-7	MKT500	82.12	mg/m³	N	3.36	C4.H6.N2
1902	Methyllactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	ELH700	132.18	mg/m³	N	5.40	C6H12O3
1903	**Methyllactonitrile 2-; (Acetone cyanohydrin)**	**75-86-5**	MLC750	85.12	ppm	Y	3.48	C4H7NO
1904	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	MLE000	119.26	ppm	N	4.874	C.H3.BrMg
1905	Methylmagnesium chlordie	676-58-4	N.I.S.	74.79	mg/m³	Y	3.057	C.H3.Cl.Mg
1906	Methylmercuric dicyanamide	502-39-6	MLF250	298.72	mg/m³	Y	12.21	C3H6HgN4
1907	Methylmorpholine, 4-	109-02-4	MMA250	101.17	ppm	Y	4.13	C5.H11.N.O
1908	Methylnaphthalene, 1-	90-12-0	MMB750	142.21	mg/m³	N	5.81	C11H10
1909	Methylnaphthalene, 2-	91-57-6	MMC000	142.21	mg/m³	N	5.81	C11H10

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1899	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2							
1900	Methylimidazole	822-36-6	S	56	263				3
1901	Methylimidazole, 1-	616-47-7	L	-6	196			1.0325	3
1902	Methyllactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	L						2
1903	**Methyllactonitrile 2-; (Acetone cyanohydrin)**	**75-86-5**	L	-20	82 @ 23mm			0.932	3
1904	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	L						3
1905	Methylmagnesium chlordie	676-58-4	S					1.02	3
1906	Methylmercuric dicyanamide	502-39-6	S	156		0.00003	25		3
1907	Methylmorpholine, 4-	109-02-4	L	-64.4	115			0.9	3
1908	Methylnaphthalene, 1-	90-12-0	L	-22	241			1.0202	2
1909	Methylnaphthalene, 2-	91-57-6	S	37-38	241.1			1.0058	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1910	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	MMY750	128.00	ppm	N	5.23	C6-H12-N2-O
1911	Methylnonane, 4-	17301-94-9	N.I.S. etc.	142.28	ppm	N	5.82	C10.H22
1912	Methylpentane, 2-; (Isohexane)	107-83-5	IKS600	86.20	ppm	Y	3.52	C6H14
1913	Methylpentane, 3-	96-14-0	MNI500	86.18	ppm	Y	3.522	C6.H14
1914	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	AOK750	102.20	ppm	Y	4.177	C6.H14.O
1915	Methylphenol, 2-; (o-Cresol)	95-48-7	CNX000	108.15	ppm	Y	4.42	C7H8O
1916	Methylphenol, 3-; (m-Cresol)	108-39-4	CNW750	108.15	ppm	Y	4.42	C7H8O
1917	Methylphenol, 4-; (p-Cresol)	106-44-5	CNX250	108.15	ppm	Y	4.42	C7H8O
1918	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	THF250	166.26	mg/m³	N	6.80	C8H10N2S
1919	Methylphosphonate	993-13-5	N.I.S.	96.02	mg/m³	Y	3.92	C.H5.O3.P
1920	Methylphosphonothioic acid-O-(4-nitrophenyl)-O-phenyl ester	2665-30-7	MOB699	309.29	mg/m³	N	12.64	C13H12NO4PS

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1910	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1							2
1911	Methylnonane, 4-	17301-94-9	L	-99	165.7			0.7323 @20C	
1912	Methylpentane, 2-; (Isohexane)	107-83-5	L	-154	60.3			0.669	3
1913	Methylpentane, 3-	96-14-0	L	-118	63.3	190	25	0.69576	3
1914	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	L		130			0.804	2
1915	Methylphenol, 2-; (o-Cresol)	95-48-7	S	30	191	1	38.2	1.05 @ 20/4	3
1916	Methylphenol, 3-; (m-Cresol)	108-39-4	L	10.9	202.8	1	52	1.04 @ 22/4	3
1917	Methylphenol, 4-; (p-Cresol)	106-44-5	S	35.5	201.8	1	53	1.0341 @ 20/4	3
1918	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	S	151-152		0.000002	25		3
1919	Methylphosphonate	993-13-5	S	108.5	dec.				
1920	Methylphosphonothioic acid-O-(4-nitrophenyl)-O-phenyl ester	2665-30-7	L		400	0.00001	25		3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1921	Methylphosphonothioic acid-O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	MOB599	262.34	mg/m³	N	10.72	C10H15O2PS2
1922	Methylpropane, 2-; (Isobutane)	75-28-5	MOR750	58.14	ppm	N	2.38	C4H10
1923	Methylpropene, 2- (Isobutene)	115-11-7	IIC000	56.12	ppm	N	2.29	C4H8
1924	Methylpropylnitrosoamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	MNA000	102.16	ppm	Y	4.18	C4-H2-N2-O
1925	Methylpyridine, 2-; (2-Picoline)	109-06-8	MOY000	93.14	ppm	Y	3.81	N-CHCH-CHCH-CCH3
1926	Methylpyrrole, N-	96-54-8	MPB000	81.12	mg/m³	Y	3.315	C5.H7.N
1927	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	MPB250	85.15	mg/m³	Y	3.48	C5-H11-N
1928	Methylstyrene, Alpha-	98-83-9	MPK250	118.19	ppm	Y	4.83	C9.H10
1929	Methyltetrahydrofuran, 2-	96-47-9	MPO500	86.15	ppm	Y	3.52	C5.H10.O
1930	Methyltriacetoxysilane	4253-34-3	MQB500	220.28	mg/m³	N	9.00	C7H12O6Si
1931	**Methyltrichlorosilane; (Trichloromethyl silane)**	**75-79-6**	MQC500	149.48	ppm	Y	6.11	CH3Cl3Si

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1921	Methylphosphonothioic acid-O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	L		298	0.0001	25		3
1922	Methylpropane, 2-; (Isobutane)	75-28-5	G	-145	-10.2			0.5572	3
1923	Methylpropene, 2- (Isobutene)	115-11-7	L or G	-140.3	-6.9			0.6	3
1924	Methylpropylnitrosoamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	L		91 @ 40 mm				3
1925	Methylpyridine, 2-; (2-Picoline)	109-06-8	L	-70	129	11.2	25	0.950 @ 15 C	3
1926	Methylpyrrole, N-	96-54-8	L	-56.32	112.81	15	20.2	0.9145 @ 15	3
1927	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	L	-90	80.5			0.8054	3
1928	Methylstyrene, Alpha-	98-83-9	L	-24.0	167-170			0.913 @ 17C	3
1929	Methyltetrahydrofuran, 2-	96-47-9	L		80			0.853 @ 20C	3
1930	Methyltriacetoxysilane	4253-34-3	S	40.5				1.17	2
1931	**Methyltrichlorosilane; (Trichloromethyl silane)**	**75-79-6**	L		66.4	280	25	1.27	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1932	Methyltriethoxysilane	2031-67-6	MQD750	178.34	ppm	Y	7.29	C7.H18.O3.Si
1933	Methyl-trifluoromethanesulfonate	333-27-7	N.I.S.	164.11	mg/m³	N	6.71	C2.H3.F3.O3.S
1934	Methyltrimethoxysilane	1185-55-3	MQF500	136.25	mg/m³	Y	5.57	C4.H12.O3.Si
1935	Methyltrioctylammonium chloride	5137-55-3	MQH000	404.25	mg/m³	N	16.52	C25H54N.Cl
1936	Methylvinyl,dimethylsiloxane copolymer,vinyl terminated	68083-18-1	N.I.S.		mg/m³	N		
1937	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	MIB750	165.21	mg/m³	N	6.75	C9H11NO2
1938	Mevinphos; (Phosdrin)	7786-34-7	MQR750	224.17	mg/m³	Y	9.16	C7H13O6P
1939	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	DOS000	222.32	mg/m³	N	9.09	C12H18N2O2
1940	Mica; (mica silicates)	12001-26-2	MQS250	398.30	mg/m³	N	16.28	[Unspecified]
1941	Michler's ketone; (4,4'-bis(dimethylamino)benzophenone)	90-94-8	MQS500	268.39	mg/m³	N	10.97	C17H20N2O
1942	Mineral fibers, fine	z-0032	N.I.S. etc.		mg/m³	N		[Unspecified]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1932	Methyltriethoxysilane	2031-67-6	L		144.5			0.895 @ 20C	1
1933	Methyl-trifluoromethanesulfonate	333-27-7	?		100-102			1.45	
1934	Methyltrimethoxysilane	1185-55-3	L		103.5			0.949 @ 20C	1
1935	Methyltrioctylammonium chloride	5137-55-3							3
1936	Methylvinyl,dimethylsiloxane copolymer,vinyl terminated	68083-18-1							
1937	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	S	76-77	360	0.00001	25		3
1938	Mevinphos; (Phosdrin)	7786-34-7	S	6.7	280	2.9	25		3
1939	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	S	85		0.000002	25		3
1940	Mica; (mica silicates)	12001-26-2	S	1387				2.6-3.2	2
1941	Michler's ketone; (4,4'-bis(dimethylamino)benzophenone)	90-94-8	S	179	>360 decom				3
1942	Mineral fibers, fine	z-0032	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1943	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5	DAP900		mg/m³	Y		
1944	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3	MQV780		mg/m³	N		
1945	Mineral oil, petroleum distillates, solvent-refined (mild heavy paraffinic	64741-88-4	MQV850		mg/m³	N		
1946	Mineral oil, petrolleum distillates, solvent refined light naphthenic	64741-97-5	MQV852		mg/m³	N		
1947	Mineral oil, white	8042-47-5	MQV875		mg/m³	N		[Unspecified]
1948	Mineral oil; (Oil mist, mineral)	8012-95-1	MQV750		mg/m³	Y		[Unspecified]
1949	Mirex; (Perchloropentacyclodecane)	2385-85-5	MQW500	545.50	mg/m³	N	22.30	C10Cl12
1950	Mitomycin C	50-07-7	AHK500	334.37	mg/m³	N	13.67	C15-H18-N4-O5
1951	Molecular sieve 13X	63231-69-6	N.I.S. etc.		mg/m³	Y		Na86[AlO2)86(SiO2)106] · xH2O
1952	Molybdate orange	12656-85-8	MRC000		mg/m³	N		[Unspecified]
1953	Molybdenium	764-70-1	MRC250	95.94	mg/m³	N	3.921	Mo

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1943	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5	L		174-274			0.862	1
1944	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3	L						3
1945	Mineral oil, petroleum distillates, solvent-refined (mild) heavy paraffinic	64741-88-4	L		383			0.88	2
1946	Mineral oil, petrolleum distillates, solvent refined light naphthenic	64741-97-5	L						3
1947	Mineral oil, white	8042-47-5	L						1
1948	Mineral oil; (Oil mist, mineral)	8012-95-1	L					0.83-0.905	2
1949	Mirex; (Perchloropentacyclodecane)	2385-85-5	S		485 dec				3
1950	Mitomycin C	50-07-7	S	>360	534	0.00001	25		3
1951	Molecular sieve 13X	63231-69-6	S						2
1952	Molybdate orange	12656-85-8	S						3
1953	Molybdenium	764-70-1	S	2622	4639-5560			10.2	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1954	Molybdenum	7439-98-7	MRC250	95.94	mg/m³	N	3.92	Mo
1955	Molybdenum carbide	12011-97-1	N.I.S.	107.95	mg/m³	N	4.41	Mo.C
1956	Molybdenum dioxide	18868-43-4	MRD250	127.94	mg/m³	N	5.23	MoO2
1957	Molybdenum disilicide	12136-78-6	N.I.S.	152.11	mg/m³	N	6.22	Mo.Si2
1958	Molybdenum hexacarbonyl	13939-06-5	HCB500	264.00	mg/m³	N	10.79	Mo.(CO)6
1959	Molybdenum pentachloride	10241-05-1	MRD500	273.19	mg/m³	N	11.17	Mo.Cl5
1960	Molybdenum trioxide	1313-27-5	MRE000	143.94	mg/m³	Y	5.88	MoO3
1961	Molybdenum(IV) sulfide	1317-33-5	MRD750	160.07	mg/m³	N	6.54	Mo.S2
1962	Molybdic acid	7782-91-4	MRC750	161.95	mg/m³	N	6.62	H2-Mo-O4
1963	Molybdic acid, ammonium salt; (Ammonium molibdate)	11098-84-3	N.I.S.	224.28	mg/m³	N	9.17	
1964	Molybdic acid, diammonium salt; (Ammonium molybdate)	13106-76-8	ANM750	196.04	mg/m³	N	8.01	Mo.O4..2 H4.N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1954	Molybdenum	7439-98-7	S	2626	5560	1	3102	10.2	3
1955	Molybdenum carbide	12011-97-1	S	2692				8.2	
1956	Molybdenum dioxide	18868-43-4	S ins						3
1957	Molybdenum disilicide	12136-78-6	S	~1900	2030			6.2	
1958	Molybdenum hexacarbonyl	13939-06-5	S						3
1959	Molybdenum pentachloride	10241-05-1	S hygr	194	268			2.93	3
1960	Molybdenum trioxide	1313-27-5	S	795	1155			4.696	3
1961	Molybdenum(IV) sulfide	1317-33-5	S	1185				4.80 @ 14C	3
1962	Molybdic acid	7782-91-4	V						3
1963	Molybdic acid, ammonium salt; (Ammonium molibdate)	11098-84-3	S						3
1964	Molybdic acid, diammonium salt; (Ammonium molybdate)	13106-76-8	S	dec				2.27	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1965	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	DXE800	205.92	mg/m³	N	8.42	MoO4·2Na
1966	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	ANH600	1163.89	mg/m³	N	47.57	Mo7.O24-6(NH4)
1967	Molybdophosphoric acid, X-hydrate	12026-57-2	N.I.S.	1825.25	mg/m³	N	74.60	Mo12.O40.P..3H
1968	Molybdophosphoric acid; (Phosphomolybdic acid hydrate)	51429-74-4	N.I.S. etc.	2786.88	mg/m³	N	113.90	6H.Mo18.O62.P2
1969	Monobutyl phosphite	16456-56-7	MRF500	138.12	mg/m³	N	5.65	C4H11O3P
1970	Monochloroamine; (Chloramide)	10599-90-3	CDO750	51.48	ppm	N	2.10	ClH2N
1971	Monochloropentafluoroethane; (CFC-115)	76-15-3	CJI500	154.47	ppm	N	6.31	C2ClF5
1972	Monocrotophos	6923-22-4	MRH209	223.19	mg/m³	N	9.12	C7H14NO5P
1973	**Monomethylamine; (Methylamine)**	**74-89-5**	MGC250	31.07	ppm	Y	1.27	CH3.NH2
1974	**Monomethylhydrazine; (Methyl hydrazine)**	**60-34-4**	MKN000	46.09	ppm	Y	1.88	CH3.NH.NH2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1965	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	S	686					3
1966	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	S	90	dec			2.498	3
1967	Molybdophosphoric acid, X-hydrate	12026-57-2	S						
1968	Molybdophosphoric acid; (Phosphomolybdic acid hydrate)	51429-74-4	S	104				1.62	
1969	Monobutyl phosphite	16456-56-7	L						2
1970	Monochloroamine; (Chloramide)	10599-90-3	L	-66					2
1971	Monochloropentafluoroethane; (CFC-115)	76-15-3	G	-106	-37.7			1.5678 @ -42 C	1
1972	Monocrotophos	6923-22-4	S	54-55	125	0.000007	25	1.22 @ 20 C	3
1973	**Monomethylamine; (Methylamine)**	**74-89-5**	G	-93.3	-6.1	>760		0.662	3
1974	**Monomethylhydrazine; (Methyl hydrazine)**	**60-34-4**	L	-52.2	87.8	38	20	0.874	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1975	Monosodium titanate	60704-88-3	TGG500	102.87	mg/m³	N	4.20	NaTiO2
1976	Montmorillonite	1318-93-0	N.I.S. etc.		mg/m³	N		
1977	Morpholine	110-91-8	MRP750	87.14	ppm	Y	3.56	C4H9NO
1978	Morpholinepropanesulfonic acid, 4-	1132-61-2	N.I.S.	209.29	mg/m³	N	8.55	C7.H15.N.O4.S
1979	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	MRT150	195.26	mg/m³	N	7.98	C6.H13.N.O4.S
1980	Muscimol; (5-Aminomethyl-3-isoxyzole)	2763-96-4	AKT750	114.12	mg/m³	N	4.66	C4H6N2O2
1981	Mustard gas sulfoxide; (bis(2-chloroethyl)-sulfoxide)	5819-08-9	N.I.S.	175.08	mg/m³	N	7.156	C4.H8.C12.O.S
1982	Myoglobins	9008-45-1	N.I.S. etc.		mg/m³	N		
1983	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	MSA300	284.54	ppm	Y	11.63	C18-H36-O2
1984	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	IQN000	270.46	mg/m³	Y	11.05	C17-H34-O2
1985	Nabumetone; (Relafen; 4-(6-methoxy-2-naphthyl)-2-butanone)	42924-53-8	MFA300	228.31	mg/m³	N	9.33	C15H16O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1975	Monosodium titanate	60704-88-3	S						
1976	Montmorillonite	1318-93-0	S clay						
1977	Morpholine	110-91-8	L	-4.9	128.9	10	23	1.007	3
1978	Morpholinepropanesulfonic acid, 4-	1132-61-2	S		277-280				
1979	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	S	243					1
1980	Muscimol; (5-Aminomethyl-3-isoxyzole)	2763-96-4	S	174-176		0.00001	25		3
1981	Mustard gas sulfoxide; (bis(2-chloroethyl)-sulfoxide)	5819-08-9							
1982	Myoglobins	9008-45-1	S						
1983	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1							1
1984	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	L	~3	192.6 @ 20 mm	0.0000935	25	0.8532 @ 20 C	1
1985	Nabumetone; (Relafen; 4-(6-methoxy-2-naphthyl)-2-butanone)	42924-53-8	S	80					2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1986	Nadic methyl anhydride	25134-21-8	NAC000	178.20	mg/m³	Y	7.28	C10.H10.O3
1987	Naphtha (coal tar)	8030-30-6	NAH600	110.00	ppm	Y	4.50	C10H9N
1988	Naphtha (petroleum), heavy catalytic cracked	64741-54-4	NAQ520		mg/m³	Y		
1989	Naphtha (petroleum), light straight-run	64741-46-4	NAQ560	100.00	ppm	N	4.09	
1990	Naphtha, heavy aliphatic solvent	64742-96-7	N.I.S.		mg/m³	N		C11 to C16 range
1991	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	N.I.S.	171.27	ppm	N	7.00	C11-C14 (98%). C8 (< 0.2%)
1992	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	NBE700	143.20	mg/m³	N	5.85	C10H8
1993	Naphthalene	91-20-3	NAJ500	128.18	ppm	Y	5.24	C10H9N
1994	Naphthaleneacetamide, 1-	86-86-2	NAK000	185.24	mg/m³	N	7.57	C12H11NO
1995	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	N.I.S.	452.31	mg/m³	N	18.49	C10.H7.Na3.O10.S3
1996	Naphthenic acid, lead salt	61790-14-5	NAS500	1578.52	mg/m³	N	64.52	C7H12O2.xPb

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1986	Nadic methyl anhydride	25134-21-8	L	18	143 @ 10 mm			1.232	3
1987	Naphtha (coal tar)	8030-30-6	S	50	300.8	1	104.3	1.131	3
1988	Naphtha (petroleum), heavy catalytic cracked	64741-54-4	L		149-216			0.862-0.892	1
1989	Naphtha (petroleum), light straight-run	64741-46-4	G		-20				3
1990	Naphtha, heavy aliphatic solvent	64742-96-7	L		190-290				
1991	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	L	-71	65 --> 230	0.49	68	0.77 @ 60	1
1992	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	S	80	217.8	0.08	20	1.162	3
1993	Naphthalene	91-20-3	S	80.1	217.9	1	52.6	1.162	3
1994	Naphthaleneacetamide, 1-	86-86-2	S		181subl				2
1995	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	S						
1996	Naphthenic acid, lead salt	61790-14-5	L	~0					3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
1997	Naphthol, 1-	90-15-3	NAW500	144.18	mg/m³	Y	5.89	C10.H8.O
1998	Naphthol, 2-	135-19-3	NAX000	144.18	mg/m³	Y	5.89	C10.H8.O
1999	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	N.I.S. etc.	224.23	mg/m³	N	9.16	C10.H6.O4.S
2000	Naphthoquinone, 1,4-	130-15-4	NBA500	158.16	mg/m³	N	6.46	C10-H6-O2
2001	Naphthylamine, beta-	91-59-8	NBE500	143.20	mg/m³	N	5.85	C10H6O2
2002	Naphthylthiourea, alpha-; (ANTU)	86-88-4	AQN635	202.29	mg/m³	N	8.27	C11H10N2S
2003	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0	N.I.S.		mg/m³	N		
2004	Neodecanoic acid	26896-20-8	NBW500	172.30	mg/m³	N	7.04	C10H20O2
2005	Neodymium	7440-00-8	NBX000	144.24	mg/m³	N	5.895	Nd
2006	Neodymium bromide	13536-80-6	N.I.S.	383.95	mg/m³	N	15.69	NdBr3
2007	Neodymium fluoride	13709-42-7	N.I.S.	201.24	mg/m³	N	8.22	Nd.F3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
1997	Naphthol, 1-	90-15-3	S	96	282.5	1.7	100	1.0989 @ 99C	3
1998	Naphthol, 2-	135-19-3	S	122	286	10	145.5	4.97	3
1999	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9							
2000	Naphthoquinone, 1,4-	130-15-4	S		125-126			1.422	3
2001	Naphthylamine, beta-	91-59-8	S	125-126				1.422	3
2002	Naphthylthiourea, alpha-; (ANTU)	86-88-4	S	198	400	0.000001	25		3
2003	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0	L						
2004	Neodecanoic acid	26896-20-8	L						2
2005	Neodymium	7440-00-8	S	~1024	3074			7.003	3
2006	Neodymium bromide	13536-80-6	S	684	540? HC@P				3
2007	Neodymium fluoride	13709-42-7	S	1377	2300			6.51	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2008	Neodymium hydroxide	16469-17-3	N.I.S.	195.26	mg/m³	N	7.98	Nd(OH)3
2009	Neodymium nitrate	10045-95-1	NCB000	330.27	mg/m³	N	13.50	N3O9.Nd
2010	Neodymium nitrate, pentahydrate	14517-29-4	N.I.S.	438.35	mg/m³	N	17.92	Nd.(N.O3)3..6(H2.O)
2011	Neodymium nitrite	z-0033	N.I.S. etc.	282.23	mg/m³	N	11.54	Nd(NO2)3
2012	Neodymium(III) chloride	10024-93-8	NBY000	250.59	ppm	Y	10.24	Cl3Nd
2013	Neodymium(III) oxide	1313-97-9	NCC000	336.48	mg/m³	N	13.75	Nd2-O3
2014	Neon	7440-01-9	NCG500	20.18	ppm	N	0.82	Ne
2015	Nickel	7440-02-0	NCW500	58.71	mg/m³	N	2.40	Ni
2016	Nickel acetate tetrahydrate	6018-89-9	NCX500	248.89	mg/m³	N	10.17	C4.H6.O-Ni-4(H2.O)
2017	Nickel aluminide	12003-78-0	N.I.S.	79.67	mg/m³	N	3.26	Ni.Al
2018	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	NCY530	376.26	mg/m³	Y	15.38	C.H4.Ni3.O7..4H2O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2008	Neodymium hydroxide	16469-17-3	S						
2009	Neodymium nitrate	10045-95-1	S						3
2010	Neodymium nitrate, pentahydrate	14517-29-4	S hygr						
2011	Neodymium nitrite	z-0033	S						
2012	Neodymium(III) chloride	10024-93-8	G	7	16				3
2013	Neodymium(III) oxide	1313-97-9	S	2233	3760			7.24	1
2014	Neon	7440-01-9	G	-248.67	-245.9			1.204 @ BP	1
2015	Nickel	7440-02-0	S	1455	2730	1	1810	8.9	3
2016	Nickel acetate tetrahydrate	6018-89-9	S		16			1.798	3
2017	Nickel aluminide	12003-78-0	S						
2018	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	S						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2019	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	NCY600	304.18	mg/m³	N	12.43	Ni3.C.H4.O7
2020	**Nickel carbonyl**	**13463-39-3**	NCZ000	170.75	ppm	N	6.98	Ni.(CO)4
2021	Nickel chloride; (Nickelous chloride)	7718-54-9	NDH000	129.61	mg/m³	N	5.30	Ni.Cl2
2022	Nickel cyanide	557-19-7	NDB500	110.75	mg/m³	N	4.53	Ni.C2N2
2023	Nickel fluoride	13940-83-5	N.I.S. etc.	168.75	mg/m³	N	6.90	F2.H8.Ni.O4
2024	Nickel formate	3349-06-2	NDB000	184.69	mg/m³	Y	7.55	(HCOO)2Ni.2H2O
2025	Nickel oxalate (liquids)	6018-94-6a	NDB000	146.71	mg/m³	N	6.00	NiC2O4
2026	Nickel oxalate (solids)	6018-94-6b	NDB000	146.71	mg/m³	N	6.00	NiC2O4
2027	Nickel oxide; (Nickel(II) oxide)	1313-99-1	NDF500	74.71	mg/m³	N	3.05	NiO
2028	Nickel perchlorate	13637-71-3	N.I.S. etc.	365.69	mg/m³	N	14.95	Ni.(Cl.O4)2-6(H2.O)
2029	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	NDK000	250.89	mg/m³	N	10.25	Ni.H4.N2.O6.S2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2019	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	S					2.6	3
2020	**Nickel carbonyl**	**13463-39-3**	L	-25	43.3	315	20	1.3185 @ 17C	3
2021	Nickel chloride; (Nickelous chloride)	7718-54-9	S deliq	1001 sealed tube	973 sublime			3.51	3
2022	Nickel cyanide	557-19-7	S	>200				2.393	3
2023	Nickel fluoride	13940-83-5	S						
2024	Nickel formate	3349-06-2	S					2.15	
2025	Nickel oxalate (liquids)	6018-94-6a	L						
2026	Nickel oxalate (solids)	6018-94-6b	S						
2027	Nickel oxide; (Nickel(II) oxide)	1313-99-1	S	1900				7.45	3
2028	Nickel perchlorate	13637-71-3	S	140					
2029	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	L						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2030	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	NDL000	262.89	mg/m³	N	10.74	NiSO4.6H2O
2031	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	NDK500	154.77	mg/m³	Y	6.33	O4S.Ni
2032	Nickel(2+) stearate	2223-95-2	N.I.S.	625.64	mg/m³	N	25.57	C36.H70.Ni.O4
2033	Nickel(II) bromide	13462-88-9	N.I.S.	218.42	mg/m³	N	8.93	Ni.Br2
2034	Nickel(II) carbonate (1:1)	3333-67-3	NCY500	118.72	mg/m³	N	4.85	Ni.C.O3
2035	Nickel(II) chloride hexahydrate	7791-20-0	NDA000	237.73	mg/m³	N	9.72	Cl2Ni.6H2O
2036	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	NDE000	92.73	mg/m³	N	3.79	Ni(OH)2
2037	Nickel(II) nitrate hexahydrate	13478-00-7	NDG500	290.85	mg/m³	N	11.89	N2O6Ni.6H2O
2038	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	NDG000	182.73	mg/m³	Y	7.47	N2O6.Ni
2039	Nickel(II) nitrite	17861-62-0	NDG550	150.70	mg/m³	N	6.16	Ni.(NO2)2
2040	Nickel(II) phosphate	10381-36-9	NDB000	366.01	mg/m³	N	14.96	Ni3.(PO4)2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2030	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	S	103 loses water				2.031	3
2031	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	S	840				3.68	3
2032	Nickel(2+) stearate	2223-95-2	S						
2033	Nickel(II) bromide	13462-88-9	S hygr	963				5.1	
2034	Nickel(II) carbonate (1:1)	3333-67-3	S	dec				4.39	3
2035	Nickel(II) chloride hexahydrate	7791-20-0	S deliq	subl	987	1	671	3.55	3
2036	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	S	230 dec				4.1	3
2037	Nickel(II) nitrate hexahydrate	13478-00-7	L	56.7	136.7			2.05	2
2038	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	S deliq	56.7	136.7			2.05	3
2039	Nickel(II) nitrite	17861-62-0	S						3
2040	Nickel(II) phosphate	10381-36-9	S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2041	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	NDE010	109.74	mg/m³	N	4.49	Ni(OH)3
2042	Nicotinamide	98-92-0	NCR000	122.14	mg/m³	N	4.99	C6.H6.N2.O
2043	Nicotine salts; (dl-beta-Nicotine; DL-Nicotine)	22083-74-5	N.I.S.	417.48	mg/m³	N	17.06	C10-H14-N2
2044	Nicotine Sulfate	65-30-5	NDR500	418.56	mg/m³	N	17.11	C20H26N4.O4S
2045	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	NDN000	162.26	mg/m³	N	6.63	C10H14N2
2046	Nicotinic acid; (Niacin)	59-67-6	NCQ900	123.12	mg/m³	N	5.03	C6.H5.N.O2
2047	Niobium	7440-03-1	NDZ000	92.10	mg/m³	Y	3.76	Nb
2048	Niobium chloride	10026-12-7	NEA000	270.16	mg/m³	N	11.04	Cl5Nb
2049	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	NEA050	265.82	mg/m³	N	10.86	Nb2.O5
2050	Niobium(IV) carbide	12069-94-2	N.I.S.	104.92	mg/m³	N	4.29	Nb.C
2051	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	CLP750	230.90	mg/m³	N	9.44	C6H3Cl4N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2041	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	S	230 dec				4.15	3
2042	Nicotinamide	98-92-0	S	129	157 @ 0.0005 mm	0.00042	25	1.4	2
2043	Nicotine salts; (dl-beta-Nicotine; DL-Nicotine)	22083-74-5	S	-79	247	0.038	25	1.0097 @ 20 C	
2044	Nicotine Sulfate	65-30-5	S			0.00001	25	1.15 @ 20 C	3
2045	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	L	-79	247.3	0.038/1	25/61.8	1.0092 @ 20 C	3
2046	Nicotinic acid; (Niacin)	59-67-6	S	236	subl.			1.473	3
2047	Niobium	7440-03-1	S	2468	4742			8.57	2
2048	Niobium chloride	10026-12-7	S	204.7-209.5	250			2.75	3
2049	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	S	1512				4.6	
2050	Niobium(IV) carbide	12069-94-2	S	3500				7.7	
2051	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	S	62-63		0.003	22.5		3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2052	Nitrate(s)	14797-55-8	NED000		mg/m³	N		NO3 or (-NO2) groups
2053	**Nitric acid WFNA; (ERPGs for "white fuming")**	**7697-37-2**	NED500	63.02	ppm	Y	2.58	HNO3
2054	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	BRV325	119.12	ppm	N	4.87	C4.H9.N.O3
2055	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	ENM500	91.08	ppm	N	3.72	C2.H5.N.O3
2056	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	AOL250	133.17	ppm	N	5.44	C5.H11.N.O3
2057	**Nitric oxide**	**10102-43-9**	NEG100	30.01	ppm	Y	1.23	NO
2058	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	DXF000	235.12	mg/m³	N	9.61	C6.H7.N.O6•2Na
2059	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8	NEI000	275.10	mg/m³	N	11.244	C6.H6.N.O6..3Na..H2.0
2060	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	AMT500	191.16	mg/m³	N	7.81	C6H9NO6
2061	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	NEO000	138.13	mg/m³	N	5.65	C6H6N2O2
2062	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	NEN500	138.13	mg/m³	N	5.65	C6H6N2O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2052	Nitrate(s)	14797-55-8	S						2
2053	**Nitric acid WFNA; (ERPGs for "white fuming")**	**7697-37-2**	L	-42.2	82.8	48/62	20/25	1.5027	3
2054	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	L		136			1.0228 @ 30C	3
2055	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	L	-112	87.7	64	25	1.004 @ 20C	3
2056	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	L	-123	145			0.99	3
2057	**Nitric oxide**	**10102-43-9**	G	-163.9	-151.7	>760		1.3402 gas	3
2058	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	S	>300					3
2059	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8	S	340				1.782	3
2060	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	S	242	167 @ 13 mm				3
2061	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	S	72	284.5	0.00277	25	0.9015 @ 25 C	3
2062	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	S	114	306.4	0.0000362	25	0.9011 @ 25 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2063	Nitroaniline, p-	100-01-6	NEO500	138.14	mg/m³	N	5.65	NO2C6H4 NH2
2064	Nitrobenzene	98-95-3	NEX000	123.12	ppm	N	5.03	C6H5NO2
2065	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	NFC500	225.16	mg/m³	Y	9.203	C6.H4.N.O5..Na
2066	Nitrobiphenyl, 4- ; (p-Nitrobiphenyl)	92-93-3	NFQ000	199.22	mg/m³	N	8.14	C12H9NO2
2067	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-chloronitrobenzene)	121-73-3	CJB250	157.56	mg/m³	N	6.44	C6H4 ClNO2
2068	Nitrocyclohexane	1122-60-7	NFV500	129.18	mg/m³	N	5.28	C6H11NO2
2069	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	N.I.S. etc.	127.10	ppm	N	5.19	[C6H9-NO2]
2070	Nitrodiphenylamine, 2-	119-75-5	see NFY000	214.24	mg/m³	Y	8.76	C12H10N2O2
2071	Nitroethane	79-24-3	NFY500	75.08	ppm	Y	3.07	C2H5NO2
2072	Nitrogen	7727-37-9	NGP500	28.02	ppm	N	1.15	N2
2073	**Nitrogen dioxide**	**10102-44-0**	NGR500	46.01	ppm	Y	1.88	NO2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2063	Nitroaniline, p-	100-01-6	S	146.1	332.2	<<1	20	1.424	3
2064	Nitrobenzene	98-95-3	L	5.6	210.6	0.139		1.205 @ 150	3
2065	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	S	350					1
2066	Nitrobiphenyl, 4- ; (p-Nitrobiphenyl)	92-93-3	S	113 - 114	223-224				3
2067	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-chloronitrobenzene)	121-73-3	S	46	236	0.097	25	1.534 @ 20 C	3
2068	Nitrocyclohexane	1122-60-7	L	-34	205.5	0.35	25	1.0610 @ 20 C	3
2069	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0							
2070	Nitrodiphenylamine, 2-	119-75-5	S	75.5				1.36	1
2071	Nitroethane	79-24-3	L	-90	114	15.6	20	1.046	3
2072	Nitrogen	7727-37-9	G	-210	-195.79			0.808 @-195.8	1
2073	**Nitrogen dioxide**	**10102-44-0**	G>21	-9.4	21.1	720	20	1.491@ 0C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2074	Nitrogen mustard hydrochloride	55-86-7	BIE500	192.53	mg/m³	N	7.87	C5H11Cl2N.ClH
2075	Nitrogen mustard; (Bis(b-chloroethyl)methylamine)	51-75-2	BIE250	156.07	mg/m³	Y	6.38	C5H11Cl2N C5H11Cl2N ClH
2076	Nitrogen tetroxide	10544-72-6	NGU500	92.02	ppm	Y	3.76	N2O4
2077	**Nitrogen trifluoride**	**7783-54-2**	NGW000	71.01	ppm	Y	2.90	F3.N
2078	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	N.I.S.	76.01	ppm	Y	3.11	N2O3
2079	Nitroglycerin	55-63-0	NGY000	227.11	mg/m³	Y	9.28	C3H5N3O9
2080	Nitromethane	75-52-5	NHM500	61.05	ppm	N	2.50	CH3NO2
2081	Nitromethane d3; (Trideuteronitromethane)	13031-32-8	N.I.S., etc.	64.06	ppm	N	2.618	C.D3.N.O2
2082	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	NMS500	151.18	mg/m³	N	6.179	C8.H9.N.O2
2083	Nitronium Tetrafluoroborate	13826-86-3	NHS500	132.82	mg/m³	N	5.429	B.F4.N.O2
2084	Nitrophenol (mixed isomers)	25154-55-6	N.I.S.	139.12	mg/m³	Y	5.69	C6H5NO3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2074	Nitrogen mustard hydrochloride	55-86-7	S	119					3
2075	Nitrogen mustard; (Bis(b-chloroethyl)methylamine)	51-75-2	L	1 @ 10mm	86–87 @11mm	0.17		1.09	3
2076	Nitrogen tetroxide	10544-72-6	G	-11.2	21.15			1.493 @ 20C	3
2077	**Nitrogen trifluoride**	**7783-54-2**	G	-208.5	-129			1.537 @ -129C	3
2078	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	G	-101.1	~ 3			1.4 @ 2 C	
2079	Nitroglycerin	55-63-0	L	13	218 expl	1	127m	1.599	3
2080	Nitromethane	75-52-5	L	-29	101	27.8	20	1.1322	3
2081	Nitromethane d3; (Trideuteronitromethane)	13031-32-8	L		100			1.183	
2082	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	S	15	226			1.112 @ 15	3
2083	Nitronium Tetrafluoroborate	13826-86-3	S						3
2084	Nitrophenol (mixed isomers)	25154-55-6	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2085	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	NIF010	139.12	mg/m³	N	5.69	C6H5NO3
2086	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	NIE600	139.12	mg/m³	Y	5.69	C6H5NO3
2087	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7	NIF000	139.12	mg/m³	N	5.69	C6H5NO3
2088	Nitropropane, 1-	108-03-2	NIX500	89.11	ppm	Y	3.64	C3H7NO2
2089	Nitropropane, 2-	79-46-9	NIY000	89.11	ppm	N	3.64	CH3CH(NO3) CH3
2090	Nitropyrene, 1-	5522-43-0	NJA000	247.26	mg/m³	N	10.11	C16H9NO2
2091	Nitropyridine-n-oxide, 4-; (Pyridine, 4-nitro-1-oxide)	1124-33-0	NJA500	140.11	mg/m³	N	5.73	C5H4N2O3
2092	Nitrosodimethylamine	62-75-9	NKA600	74.10	mg/m³	N	3.03	C2H6N2O
2093	Nitrosodiphenylamine, p-	156-10-5	NKB500	198.24	mg/m³	Y	8.10	C12H10N2O
2094	Nitrosodipropylamine; (DPNA)	621-64-7	NKB700	130.22	mg/m³	N	5.32	C6H14N2O
2095	Nitrosomorpholine	59-89-2	NKZ000	116.14	mg/m³	N	4.75	C4H8N2O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2085	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	S	45	214.5	1	49.3	1.495	3
2086	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	S	97	194 @ 70 mm	0.1	25	1.485 @ 20 C	3
2087	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7	S	113-114	279 dec	2.2	148	1.270 @ 20C	3
2088	Nitropropane, 1-	108-03-2	L	-108	132	7.5	20	1.003	3
2089	Nitropropane, 2-	79-46-9	L	-92.8	120.6	13	20	0.992	3
2090	Nitropyrene, 1-	5522-43-0	S	151-152					3
2091	Nitropyridine-n-oxide, 4-; (Pyridine, 4-nitro-1-oxide)	1124-33-0	S	159-160					3
2092	Nitrosodimethylamine	62-75-9	L		152			1.005	3
2093	Nitrosodiphenylamine, p-	156-10-5	S	144-145					3
2094	Nitrosodipropylamine; (DPNA)	621-64-7							3
2095	Nitrosomorpholine	59-89-2	L?						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2096	Nitroso-n-methylurea, n-	684-93-5	MNA750	103.10	mg/m³	N	4.21	C2H5N3O2
2097	Nitrosophenol, p-	104-91-6	NLF200	123.12	mg/m³	N	5.03	C6H5NO2
2098	Nitrosotoluene, 2-: (o-Nitrosotoluene)	611-23-4	NLW500	121.15	mg/m³	N	4.95	C7.H7.N.O
2099	Nitrosyl chloride	2696-92-6	NMH000	65.46	ppm	Y	2.68	Cl.N.O
2100	Nitrosylsulfuric acid	7782-78-7	NMJ000	127.07	mg/m³	Y	5.194	H.N.O5.S
2101	Nitrotoluene, m-	99-08-1	NMO500	137.15	ppm	N	5.61	C7H7NO2
2102	Nitrotoluene, o-	88-72-2	NMO525	137.15	ppm	N	5.61	C7H7NO2
2103	Nitrotoluene, p-	99-99-0	NMO550	137.15	ppm	N	5.61	C7H7NO2
2104	Nitrous acid	7782-77-6	NMR000	47.02	mg/m³	Y	1.92	HNO2
2105	Nitrous oxide	10024-97-2	NGU000	44.02	ppm	N	1.80	N2.O
2106	Nonacosane	630-03-5	N.I.S.	408.79	mg/m³	N	16.71	C29.H60

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2096	Nitroso-n-methylurea, n-	684-93-5	S	124 dec					3
2097	Nitrosophenol, p-	104-91-6	S	144 dec					3
2098	Nitrosotoluene, 2-: (o-Nitrosotoluene)	611-23-4	S	72.5					2
2099	Nitrosyl chloride	2696-92-6	G	-61.5	-6.4	>760		1.250 L @ 30C	3
2100	Nitrosylsulfuric acid	7782-78-7	S	73.5 dec				3	3
2101	Nitrotoluene, m-	99-08-1	L	16	231.9	0.27	25	1.1630 @ 15 C	3
2102	Nitrotoluene, o-	88-72-2	L	-10	222.3	1	50	1.1622 @19/15	3
2103	Nitrotoluene, p-	99-99-0	S	53-54	238.3	1	53.7	1.286	3
2104	Nitrous acid	7782-77-6	L						3
2105	Nitrous oxide	10024-97-2	G	-90.8	-88.5	>760		1.977 gas	2
2106	Nonacosane	630-03-5	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2107	Nonanal	124-19-6	NMW500	142.27	mg/m³	Y	5.81	C9-H18-O
2108	Nonane (Shellsol 140)	111-84-2	NMX000	128.29	ppm	N	5.24	C9H20
2109	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	OES300	139.27	ppm	Y	5.69	C9-H17-N
2110	Nonanoic acid	112-05-0	NMY000	158.27	mg/m³	Y	6.47	C9.H18.O2
2111	Nonanone, 2-	821-55-6	NMY500	142.27	ppm	Y	5.81	C9-H18-O
2112	Nonene, 1-	124-11-8	N.I.S.	126.24	ppm	Y	5.16	C9.H18
2113	Nonoxynol-4	7311-27-5	N.I.S.	396.57	mg/m³	N	16.21	C23H40O5
2114	Nonyl alcohol	143-08-8	NNB500	144.29	mg/m³	N	5.90	C9.H20.O
2115	Nonyl phenol (mixed isomers)	25154-52-3	NNC500	220.39	mg/m³	Y	9.01	C9H19C6H4 OH
2116	Nonyl phenol, 4- (branched)	84852-15-3	NNC600	220.39	mg/m³	Y	9.01	C15-H24-O
2117	Nonyl phenol, p-	104-40-5	NNC510	220.39	mg/m³	Y	9.01	C15-H24-O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2107	Nonanal	124-19-6	L		190-192			0.820-0.830	2
2108	Nonane (Shellsol 140)	111-84-2	L	-53.7	150.7	10	38	0.718	3
2109	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	L	-34.2	224.4			0.8178 @ 20 C	2
2110	Nonanoic acid	112-05-0	L	12	254	0.00165	25	0.9055 @ 20C	3
2111	Nonanone, 2-	821-55-6	L	-9	194			0.832 @ 30 C	2
2112	Nonene, 1-	124-11-8	L	-81.3	146.9	5.4	25	0.7433	1
2113	Nonoxynol-4	7311-27-5	L						
2114	Nonyl alcohol	143-08-8	L	-5	213.5	0.0227	25	0.827 @ 20C	2
2115	Nonyl phenol (mixed isomers)	25154-52-3	L	-10	293			0.949	2
2116	Nonyl phenol, 4- (branched)	84852-15-3	L						2
2117	Nonyl phenol, p-	104-40-5	L						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2118	Nonylphenol ethoxylate	127087-87-0	N.I.S.	396.63	mg/m³	N	16.21	C23-H40-O5
2119	Nonylphenoxypolyethoxyethanol	68412-54-4	N.I.S.		mg/m³	N		[Unspecified]
2120	Norbormide	991-42-4	NNF000	511.61	mg/m³	N	20.91	C33H25N3O3
2121	Norchlorofluoroepibatidine	z-0034	N.I.S. etc.		mg/m³	Y		[Unknown]
2122	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	OAJ000	459.72	mg/m³	Y	18.79	C12.Cl8.O2
2123	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	N.I.S.	443.72	mg/m³	N	18.14	C12.Cl8.O
2124	Octachloronaphthalene	2234-13-1	OAP000	403.70	mg/m³	N	16.50	C10Cl8
2125	Octacosane	630-02-4	N.I.S.	394.77	ppm	Y	16.13	C28.H58
2126	Octadecane, N-	593-45-3	N.I.S.	254.50	ppm	Y	10.40	C18.H38
2127	Octadecanoic acid, n-; (Stearic acid)	57-11-4	SLK000	284.54	mg/m³	Y	11.63	C18H36O2
2128	Octadecanol, 1-	112-92-5	OAX000	270.56	ppm	N	11.06	C18-H38-O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2118	Nonylphenol ethoxylate	127087-87-0	L						
2119	Nonylphenoxypolyethoxyethanol	68412-54-4	S						2
2120	Norbormide	991-42-4	S	190-198					3
2121	Norchlorofluoroepibatidine	z-0034	L?						3
2122	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	S	330-332		8E-13	25		3
2123	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	S						3
2124	Octachloronaphthalene	2234-13-1	S	197.5-198	246-50 @.5mm			2.0	3
2125	Octacosane	630-02-4	S	57-62	440	<1	20		
2126	Octadecane, N-	593-45-3	S	28.2	316.3			0.7768 @ 28C	
2127	Octadecanoic acid, n-; (Stearic acid)	57-11-4	S	69.3	383	1	173.7	0.847	3
2128	Octadecanol, 1-	112-92-5	S	58	202	0.0000026	25	0.8124 @ 59 C	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2129	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	OHU000	282.52	mg/m³	Y	11.55	C18.H34.O2
2130	Octadecyl methacrylate	32360-05-7	N.I.S.	338.57	mg/m³	N	13.84	C22.H42.O2
2131	Octadecyltrichlorosilane	112-04-9	OBI000	387.99	mg/m³	Y	15.858	C18.H37.Cl3.Si
2132	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	CPS000	200.03	ppm	N	8.18	C4F8
2133	Octamethylcyclotetrasiloxane	556-67-2	OCE100	296.68	ppm	Y	12.13	C8-H24-O4-Si4
2134	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide)	152-16-9	OCM000	286.30	mg/m³	N	11.70	C8H24N4O3P2
2135	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	OCO000	128.24	mg/m³	Y	5.24	C8-H16-O
2136	Octanamine, 1-	111-86-4	OEK015	129.28	mg/m³	Y	5.28	C8.H19.N
2137	Octane, n-	111-65-9	OCU000	114.26	ppm	Y	4.67	CH3.(CH2)6.CH3
2138	Octanedione, 2,5-	3214-41-3	N.I.S. etc.	142.00	mg/m³	N	5.80	C8.H14.O2
2139	Octanenitrile	124-12-9	OCW100	125.24	ppm	Y	5.12	C8-H15-N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2129	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	L	16.3	286 @ 100 mm	1	176.5	0.895 @ 25C	3
2130	Octadecyl methacrylate	32360-05-7	L	18-20	195 @ 6mm			0.864	
2131	Octadecyltrichlorosilane	112-04-9	L		160 @ 13	<5	20	0.984	2
2132	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	G	-41.4	-6.04			1.513 @ 21 C	1
2133	Octamethylcyclotetrasiloxane	556-67-2	L	17.5	175			0.9558	1
2134	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide)	152-16-9	L	20-21	154 @ 2 mm	0.001	25	1.09 25 C	3
2135	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	L	-23	163.4	1.18	25	0.821 @ 20 C	3
2136	Octanamine, 1-	111-86-4	L		185-187			0.779 @ 20C	3
2137	Octane, n-	111-65-9	L		125.8	10	19.2	0.7036	3
2138	Octanedione, 2,5-	3214-41-3	L						3
2139	Octanenitrile	124-12-9	L	-45.6	205.2			0.8136 @ 20 C	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2140	Octanethiol, 1-	111-88-6	N.I.S.	146.21	ppm	Y	5.976	C8.H18.S
2141	Octanoic acid; (Caprylic acid)	124-07-2	OCY000	144.24	mg/m³	Y	5.90	C8.H16.O2
2142	Octanol, 2-	123-96-6	OCY090	130.26	mg/m³	N	5.324	C8.H18.O
2143	Octanone, 2-	111-13-7	ODG000	128.24	mg/m³	Y	5.24	C8-H16-O
2144	Octaphenylcyclotetrasiloxane	546-56-5	N.I.S.	793.24	mg/m³	N	32.42	C48.H40.O4.Si4
2145	**Octene, 1-**	**111-66-0**	N.I.S.	112.22	ppm	N	4.59	C8-H16
2146	Octyl alcohol; (n-octanol)	111-87-5	OEI000	130.28	mg/m³	Y	5.32	C8H18O
2147	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9	N.I.S. etc.	210.32	mg/m³	N	8.60	C16-H18
2148	Oil gas; (Oil fog)	z-0035	OGI350	11.90	ppm	N	0.49	SAX mixture
2149	**Oleum; (fuming sulfuric acid)**	**8014-95-7**	SOI520	178.14	mg/m³	Y	7.28	H2O4S.O3S
2150	Organorhodium complex	z-0036	N.I.S. etc.	300.00	mg/m³	N	12.26	[Unspecified]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2140	Octanethiol, 1-	111-88-6	L	-49.2	198.1	0.4245	25	0.8433 @ 20	2
2141	Octanoic acid; (Caprylic acid)	124-07-2	L	17	240			0.91 @ 20C	2
2142	Octanol, 2-	123-96-6	L	-31.6	179.3	0.242	25	0.8193 @ 20C	
2143	Octanone, 2-	111-13-7	L	-16	172.5			0.820 @ 20 C	3
2144	Octaphenylcyclotetrasiloxane	546-56-5	S	200.5	330				
2145	**Octene, 1-**	**111-66-0**	L	-101.7	121.2	17.4	25	0.71	*1*
2146	Octyl alcohol; (n-octanol)	111-87-5	L	-16.7	194.5			0.827	3
2147	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9							
2148	Oil gas; (Oil fog)	z-0035	G						3
2149	**Oleum; (fuming sulfuric acid)**	**8014-95-7**	L						3
2150	Organorhodium complex	z-0036	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2151	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	TLX600	106.14	ppm	Y	4.34	C4.H10.O3
2152	Osmium	7440-04-2	OKE000	190.20	mg/m³	Y	7.774	Os
2153	Osmium tetroxide	20816-12-0	OKK000	254.20	ppm	Y	10.39	O4Os
2154	**Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)**	**106602-80-6**	N.I.S.	170.00	ppm	Y	6.95	
2155	Ouabain	630-60-4	OKS000	584.73	mg/m³	N	23.90	C29H44O12
2156	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	OLA000	90.04	mg/m³	Y	3.68	(COOH)2
2157	Oxalic acid, dihydrate	6153-56-6	N.I.S.	126.10	mg/m³	Y	5.15	(COOH)2.. 2H2O
2158	Oxalyl chlorine	79-37-8	OLI000	126.93	ppm	N	5.188	Cl.C.O..CO.Cl
2159	Oxamide	471-46-5	OLO000	88.08	mg/m³	Y	3.60	C2.H4.N2.O2
2160	Oxamyl	23135-22-0	DSP600	219.29	mg/m³	N	8.96	C7H13N3O3S
2161	Oxathiane, 1,4-	15980-15-1	OLY000	104.18	ppm	Y	4.26	C4H8OS

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2151	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	L	15	100.6			0,9676 @ 20C	3
2152	Osmium	7440-04-2	S	3033	5012			22.59	3
2153	Osmium tetroxide	20816-12-0	S	39.5	130 subl	10	26	4.906	3
2154	**Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)**	**106602-80-6**							
2155	Ouabain	630-60-4	S	190					3
2156	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	S	187	dec	0.54	105	1.900	3
2157	Oxalic acid, dihydrate	6153-56-6	S	101.5	dec	0.54	105	1.653	3
2158	Oxalyl chlorine	79-37-8	L	-16	63.5			1.4785 @ 20 C	3
2159	Oxamide	471-46-5	S	350 dec	419 dec			1.667 @ 20 C	3
2160	Oxamyl	23135-22-0	S	100-102	310	0.00023	25	0.98 @ 25 C	3
2161	Oxathiane, 1,4-	15980-15-1	L	-17	148.7			1.117	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2162	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	EBJ500	70.10	ppm	N	2.87	C4-H6-O
2163	Oxone, monopersulfate compound	37222-66-5	N.I.S. etc.		mg/m³	N		
2164	Oxybis(n,n-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	BJH750	160.26	ppm	Y	6.55	C8.H20.N2.O
2165	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	ONQ100	134.10	mg/m³	N	5.48	C4H6O5
2166	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	AGD250	274.30	mg/m³	Y	11.21	C12.H18.O7
2167	Oxydiphenoxarsine, 10,10'-; (Phenoxyarsine oxide)	58-36-6	OMY850	502.24	mg/m³	Y	20.53	C24H16As2O3
2168	Oxydisulfoton	2497-07-6	OQS000	290.42	mg/m³	N	11.87	C8H19O3PS3
2169	Oxygen (liquid)	7782-44-7	OQW000	32.00	ppm	Y	1.31	O2
2170	Oxygen difluoride; (Fluorine monoxide)	7783-41-7	ORA000	54.00	ppm	Y	2.21	F2O
2171	Ozone	10028-15-6	ORW000	48.00	ppm	Y	1.96	O3
2172	Palladium	7440-05-3	PAD250	106.40	mg/m³	N	4.35	Pd

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2162	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	L	-135	67			0.869	3
2163	Oxone, monopersulfate compound	37222-66-5	S						
2164	Oxybis(n,n-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	L		180-182				3
2165	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6							2
2166	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	L	-4	162			1.14	3
2167	Oxydiphenoxarsine, 10,10'-; (Phenoxyarsine oxide)	58-36-6	S	184-185	380 dec	0.00001	25	1.40-1.42	3
2168	Oxydisulfoton	2497-07-6	L		330	0.0035	25		3
2169	Oxygen (liquid)	7782-44-7	G	-218.4	-182.96	760	-183	1.14 @ -183 C	3
2170	Oxygen difluoride; (Fluorine monoxide)	7783-41-7	G	-223.8	-144.8	760	-144.6	1.90 @ -224 C	3
2171	Ozone	10028-15-6	G	-192.8	-111.7	>760		2.144 gas	3
2172	Palladium	7440-05-3	S	1554	2800	~0	20	12.02	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2173	Palladium chloride	7647-10-1	PAD500	177.30	mg/m³	Y	7.25	Cl2Pd
2174	Palladium hydroxide	12135-22-7	N.I.S. etc	140.43	mg/m³	N	5.74	Pd(OH)2
2175	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethyanolamine	71808-29-2	N.I.S.		mg/m³	N		Cl8.H36.O2..C6.H15.N.O3
2176	Paraffin, n-	8002-74-2	PAH750		mg/m³	Y		CnH2n=2
2177	Paraffins, petroleum, normal C5-C20	64771-72-8	N.I.S. etc.	189.00	ppm	Y	7.72	CnH2n=2
2178	Paraformaldehyde	30525-89-4	PAI000		mg/m³	Y		(CH2O)n
2179	Paraldehyde	123-63-7	PAI250	132.18	mg/m³	N	5.40	C6H12O3
2180	Paraquat	4685-14-7	PAI990	186.28	mg/m³	N	7.61	C12-H14-N2--C12-H14-N2-2Cl
2181	Paraquat dichloride	1910-42-5	PAJ000	257.18	mg/m³	N	10.51	C12H14N2.2Cl
2182	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	PAJ250	408.48	mg/m³	N	16.70	C12H4N2-2CH3-SO4
2183	Parathion	56-38-2	PAK000	291.28	mg/m³	N	11.91	(C2H5O)2-P-S-OC6H4-NO2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2173	Palladium chloride	7647-10-1	S	678-680 (dec.)				4	3
2174	Palladium hydroxide	12135-22-7	S						
2175	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethyanolamine	71808-29-2	S	115	360			1.65	3
2176	Paraffin, n-	8002-74-2	varies	47-65				~0.90	2
2177	Paraffins, petroleum, normal C5-C20	64771-72-8	Swax		225-243	25.8	38	0.764 @15.6C	1
2178	Paraformaldehyde	30525-89-4	S	163-165	decomp			1.46 @ 15C	3
2179	Paraldehyde	123-63-7	L	12.6	124.4			0.9943	3
2180	Paraquat	4685-14-7	S	300					3 3
2181	Paraquat dichloride	1910-42-5	S	300					3
2182	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	S	300		0.0000001	25		3
2183	Parathion	56-38-2	L	6	375	0.00004	20	1.26	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2184	Paris Green; (Cupric acetoarsenite)	12002-03-8	COG500	1013.78	mg/m³	N	41.43	C4-H6-As6-Cu4-O16
2185	Particulate material (PNOS)	z-0037	N.I.S. etc.		mg/m³	N		[Unspecified]
2186	PBX (mixture of HMX and nitrocellulose)	z-0038	N.I.S. etc	450.00	mg/m³	N	18.39	.25HMX+.75CTN
2187	Pentaborane	19624-22-7	PAT750	63.14	ppm	Y	2.58	B5H9
2188	Pentachlorobenzene	608-93-5	PAV500	250.32	mg/m³	N	10.23	C6HCl5
2189	Pentachlorobenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	PAV850	356.40	mg/m³	N	14.57	C12H3Cl5O2
2190	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	PAV860	340.40	mg/m³	N	13.91	C12.H3.Cl5.O
2191	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	PAW100	340.40	mg/m³	N	13.91	C12H3Cl5O
2192	Pentachloroethane	76-01-7	PAW500	202.28	mg/m³	N	8.27	C2HCl5
2193	Pentachloronitrobenzene	82-68-8	PAX000	295.32	mg/m³	N	12.07	C6Cl5NO2
2194	Pentachlorophenol	87-86-5	PAX250	266.32	mg/m³	Y	10.88	C6Cl5OH

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2184	Paris Green; (Cupric acetoarsenite)	12002-03-8	S			0.00001	25		3
2185	Particulate material (PNOS)	z-0037	S						1
2186	PBX (mixture of HMX and nitrocellulose)	z-0038	S						3
2187	Pentaborane	19624-22-7	L	-46.6	60	170	25	0.61 @ 0 C	3
2188	Pentachlorobenzene	608-93-5	S	85-86	275-7			1.834@ 170	2
2189	Pentachlorobenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	S	240-241					3
2190	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	S						D
2191	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	S						3
2192	Pentachloroethane	76-01-7	L	-29	161-2			1.6728	3
2193	Pentachloronitrobenzene	82-68-8	S	146	328	0.013	25	1.718	3
2194	Pentachlorophenol	87-86-5	S	190	308.9	0.001	20	1.978	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2195	Pentadecafluorooctanoic acid	335-67-1	PCH050	414.09	mg/m³	N	16.92	C8.H.F15.O2
2196	Pentadecane	629-62-9	PAY750	212.47	ppm	N	8.68	C15H32
2197	Pentadecanoic acid	1002-84-2	PAZ000	242.45	ppm	N	9.91	C15-H30-O2
2198	Pentadecylamine	2570-26-5	PBA000	227.49	mg/m³	Y	9.30	C15H33N
2199	Pentaerythritol	115-77-5	PBB750	136.17	mg/m³	N	5.57	C5H12O4
2200	Pentaerythritol tetra(3-mercaptopropionate), reaction product	95823-35-1	N.I.S.	1001.38	mg/m³	N	40.928	C17.H28.O8.S4..C14.H 24.O7.S3..C8.H16
2201	Pentaerythritol tetranitrate	78-11-5	PBC250	316.17	mg/m³	N	12.92	C(CH2O NO2)4
2202	Pentafluorobenzoic acid	602-94-8	PBD275	212.08	mg/m³	Y	8.668	C7.H.F5.O2
2203	Pentafluoropropane, 1,1,1,3,3-	460-73-1	N.I.S.	134.06	ppm	N	5.48	C3.H3.F5
2204	Pentane, n-	109-66-0	PBK250	72.17	ppm	Y	2.95	C5H12
2205	Pentanediol, 1,5-	111-29-5	PBK750	104.17	mg/m³	Y	4.26	C5.H12.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2195	Pentadecafluorooctanoic acid	335-67-1	S	55-56	189	0.15	20	1.792 @ 20C	3
2196	Pentadecane	629-62-9	L	9.9	270.6	0.0034	35	0.7685 @ 20 C	2
2197	Pentadecanoic acid	1002-84-2	S	53	257 @ 100 MM				3
2198	Pentadecylamine	2570-26-5	S	36.5	307.6	0.0003	25		3
2199	Pentaerythritol	115-77-5	S	262				1.38	3
2200	Pentaerythritol tetra(3-mercaptopropionate), reaction product	95823-35-1	S						
2201	Pentaerythritol tetranitrate	78-11-5	S	138-140	205-215 expl			1.773	3
2202	Pentafluorobenzoic acid	602-94-8	S	107	220				3
2203	Pentafluoropropane, 1,1,1,3,3-	460-73-1	G		15.3	935	20	1.32	
2204	Pentane, n-	109-66-0	L	-129.8	36.1	400	18.5	0.626	3
2205	Pentanediol, 1,5-	111-29-5	L	-18	239	<0.01	20	0.994 @ 20C	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2206	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	ABX750	100.13	ppm	Y	4.09	C5.H8.O2
2207	Pentanenitrile	110-59-8	VAV300	83.15	ppm	N	3.40	C5-H9-N
2208	Pentanol, 2-; (sec-amyl alcohol; Methyl propyl carbinol; Isoamyl alcohol, secondary)	6032-29-7	PBM750	88.17	ppm	Y	3.60	C5.H12.O
2209	Pentanone, 2-	107-87-9	PBN250	86.15	ppm	Y	3.52	C5H10O
2210	Pentanone, 3-; (Diethyl ketone)	96-22-0	DJN750	86.15	ppm	Y	3.52	C5.H10.O
2211	Pentatriacontane	630-07-9	N.I.S.	492.95	mg/m³	N	20.15	C35.H72
2212	Pentene, 1-	109-67-1	PBQ000	70.13	ppm	N	2.87	C5H10
2213	Pentobarbital sodium; (Nembutal sodium)	57-33-0	NBU000	249.30	mg/m³	N	10.19	C11H18N2O3.Na
2214	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	PBV000	88.17	ppm	Y	3.60	C5.H12.0
2215	Peptone; (Hydrolized protein, Tryptones)	73049-73-7	N.I.S.		mg/m³	N		
2216	**Peracetic acid**	**79-21-0**	PCL500	76.06	ppm	Y	3.11	CH3.C(O)O OH

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2206	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	L	-23.2	139			0.9721 @ 25 C	3
2207	Pentanenitrile	110-59-8	L	-96.2	141.3			0.8008 @ 20 C	3
2208	Pentanol, 2-; (sec-amyl alcohol; Methyl propyl carbinol; Isoamyl alcohol, secondary)	6032-29-7	L	-50	119.3	1	20	0.8169 @ 20C	3
2209	Pentanone, 2-	107-87-9	L		102			0.801-0.806	3
2210	Pentanone, 3-; (Diethyl ketone)	96-22-0	L	-42	101			0.8159 @ 19C	3
2211	Pentatriacontane	630-07-9	S						
2212	Pentene, 1-	109-67-1	L	-165.2	29.9	635	25	0.6405 @ 20 C	3
2213	Pentobarbital sodium; (Nembutal sodium)	57-33-0	L	130					3
2214	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	L	-11.9	101.8	16.8	25	0.809	3
2215	Peptone; (Hydrolized protein, Tryptones)	73049-73-7	S						
2216	**Peracetic acid**	**79-21-0**	L	0.1	105			1.15 @ 20C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2217	Perboric acid, sodium salt	7632-04-4	SJB100	82.81	mg/m³	N	3.38	B.H.O3..Na
2218	Perchloric acid	7601-90-3	PCD250	100.46	ppm	Y	4.11	ClHO4
2219	Perchloric acid, zinc salt, hexahydrate	10025-64-6	ZKS100	372.39	mg/m³	Y	15.22	Cl2.O8-Zn-6(H2.O)
2220	**Perchloroethylene; (Tetrachloroethylene)**	**127-18-4**	PCF275	165.82	ppm	Y	6.78	Cl2C=CCl2
2221	**Perchloromethyl mercaptan**	**594-42-3**	PCF300	185.87	ppm	Y	7.60	CCl4S
2222	Perchloryl fluoride; (Chlorine oxyfluoride)	7616-94-6	PCF750	102.45	ppm	Y	4.19	ClFO3
2223	Percoll	65455-52-9	N.I.S., etc		mg/m³	N		
2224	Perfluoro compounds, C5-C18; (Fluorinert electronic liquid perfluoro compounds)	86508-42-1	N.I.S.	332.42	ppm	N	13.59	C6.F14
2225	Perfluoroalkylether polymer; (Capped homopolymers of hexafluoropropylene epox, Fluorine End-)	60164-51-4	N.I.S.		mg/m³	N		(C3.F6.O)n..C5.F12.O
2226	**Perfluoroisobutylene; (Octafluoro-sec-butene)**	**382-21-8**	OBM000	200.04	ppm	Y	8.18	(CF3)2. C=CF2
2227	Perfluoropolyether; (1,1,2,3,3,3-hexafluoro-1-propene oxidized; Vacuum pump oil)	69991-67-9	N.I.S.		mg/m³	Y		CF3-((O.C.F.C.F3.C.F2-)x.)-O.C.F2)x).O.CF3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2217	Perboric acid, sodium salt	7632-04-4	S	60 dec					2
2218	Perchloric acid	7601-90-3	L	-112	19 @ 11mm			1.768	3
2219	Perchloric acid, zinc salt, hexahydrate	10025-64-6	S	105-107	200 dec			2.252	3
2220	**Perchloroethylene; (Tetrachloroethylene)**	**127-18-4**	L	-18.9	121.1	14	20	1.6311@ 150	3
2221	**Perchloromethyl mercaptan**	**594-42-3**	L		149dec	3	20	1.7	3
2222	Perchloryl fluoride; (Chlorine oxyfluoride)	7616-94-6	G	-146	-46.8			1.434 (L)	2
2223	Percoll	65455-52-9							
2224	Perfluoro compounds, C5-C18; (Fluorinert electronic liquid perfluoro compounds)	86508-42-1	L		102	31	20	1.8	1
2225	Perfluoroalkylether polymer; (Capped homopolymers of hexafluoropropylene epox, Fluorine End-)	60164-51-4	S					1.32 - 2.2	1
2226	**Perfluoroisobutylene; (Octafluoro-sec-butene)**	**382-21-8**	G		7	>760		1.592 @ 0 C	3
2227	Perfluoropolyether; (1,1,2,3,3,3-hexafluoro-1-propene oxidized; Vacuum pump oil)	69991-67-9	L		>270 @ 5 mm	<1	20	1.9	

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2228	Periodic acid	10450-60-9	N.I.S.	227.94	mg/m³	Y	9.32	H5.I.O6
2229	Periodic acid, sodium salt	7790-28-5	SJB500	213.89	mg/m³	Y	8.74	Na..I.O4
2230	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	PCJ400		mg/m³	N		NaKAlSiOx
2231	Permafluor E+	z-0039	N.I.S. etc.		mg/m³	N		Mixture
2232	Permafluor-V (85+% toluene)	z-0040	N.I.S. etc.	85.00	ppm	N	3.47	Mixture
2233	Peroxydicarbonic acid, disodium salt	3313-92-6	N.I.S.	168.02	mg/m³	N	6.87	C2H2O6.2Na
2234	Petrolatum	8009-03-8	N.I.S.		mg/m³	N		
2235	Petroleum 50 thinner; (Paint thinner)	z-0041	PCT500	130.00	ppm	Y	5.31	[Unspecified]
2236	Petroleum asphalt	8052-42-4b	PCR500		mg/m³	Y		[Unspecified]
2237	Petroleum coke, calcined	64743-05-1	N.I.S.		mg/m³	N		unspecified
2238	Petroleum distillate	8002-05-9a	PCS250	97.87	mg/m³	Y	4.00	[Unspecified]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2228	Periodic acid	10450-60-9	L						
2229	Periodic acid, sodium salt	7790-28-5	S	300	dec			3.865	3
2230	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	S amor					0.13	1
2231	Permafluor E+	z-0039	L	-50	150	5		0.9	
2232	Permafluor-V (85+% toluene)	z-0040	L			22	20	0.86	3
2233	Peroxydicarbonic acid, disodium salt	3313-92-6							
2234	Petrolatum	8009-03-8	S	38-54				0.820-0.865	0
2235	Petroleum 50 thinner; (Paint thinner)	z-0041	L						1
2236	Petroleum asphalt	8052-42-4b	S						2
2237	Petroleum coke, calcined	64743-05-1	S						
2238	Petroleum distillate	8002-05-9a	L						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2239	Petroleum distillates, clay-treated light naphthenic	64742-45-6	PCS270		mg/m³	N		
2240	Petroleum distillates, low boiling	68477-31-6	N.I.S. etc.	103.14	ppm	N	4.215	
2241	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9	N.I.S.		mg/m³	N		C9 through C20
2242	Petroleum spirits; (VM & P Naphtha)	8032-32-4	PCT250	111.73	ppm	Y	4.57	[Unspecified]
2243	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0	MQV900	97.26	ppm	N	3.98	[Unspecified]
2244	Petroleum; (Petroleum crude oil)	8002-05-9b	PCR250	97.87	mg/m³	N	4.00	[Unspecified]
2245	Phenacetin; (p-acetophenetidide)	62-44-2	ABG750	179.24	mg/m³	N	7.33	C10H13NO2
2246	Phenaglycodol; (Ultran; 2-p-chlorophenyl-3-methyl-2,3 butanediol)	79-93-6	CKE750	214.71	mg/m³	N	8.78	C11H15ClO2
2247	Phenanthrene	85-01-8	PCW250	178.24	mg/m³	N	7.28	C14H10
2248	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	N.I.S.	692.56	mg/m³	N	28.31	C36-H24-Fe-N6-O4-S
2249	Phenanthroline, 1,10-	66-71-7	PCY250	180.22	mg/m³	N	7.37	C12.H8.N2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2239	Petroleum distillates, clay-treated light naphthenic	64742-45-6	L						2
2240	Petroleum distillates, low boiling	68477-31-6	L						
2241	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9			150-345				
2242	Petroleum spirits; (VM & P Naphtha)	8032-32-4	L	<-73	40-80			0.635-0.660	3
2243	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0	L						1
2244	Petroleum; (Petroleum crude oil)	8002-05-9b						0.78 - 0.97	3
2245	Phenacetin; (p-acetophenetidide)	62-44-2	S	154					3
2246	Phenaglycodol; (Ultran; 2-p-chlorophenyl-3-methyl-2,3 butanediol)	79-93-6	S						3
2247	Phenanthrene	85-01-8	S	100	339	1	118.3	1.179	3
2248	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	S						
2249	Phenanthroline, 1,10-	66-71-7	S	93-94					3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2250	**Phenol**	**108-95-2**	PDN750	94.12	ppm	Y	3.85	C6.H5.OH
2251	Phenol red, sodium salt	34487-61-1	N.I.S.	376.36	mg/m³	N	15.382	C19.H13.Na.O5.S
2252	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	N.I.S.		mg/m³	N		(C6.H6.O..C.H2.O)x
2253	Phenolphthalein	77-09-8	PDO750	318.34	mg/m³	N	13.01	C20H14O4
2254	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	PER000	138.18	ppm	Y	5.648	C8.H10.O2
2255	Phenyl Chloroformate; (Carbonochloridic acid phenyl ester)	1885-14-9	CBX109	156.57	ppm	Y	6.399	C7.H5.Cl.O2
2256	Phenyl dichloroarsine; (Dichlorophenylarsine)	696-28-6	DGB600	222.93	mg/m³	Y	9.11	C6H5AsCl2
2257	Phenyl ether; (Diphenyl ether)	101-84-8	PFA850	170.22	ppm	Y	6.96	C12.H10.O
2258	Phenyl isocyanate.	103-71-9	PFK250	119.13	mg/m³	Y	4.869	C7.H5.N.O
2259	Phenyl sepharose	69106-59-8	N.I.S.etc.		mg/m³	N		
2260	Phenyl-1,2-propanedione, 1-	579-07-7	PGA500	148.16	mg/m³	N	6.06	C9H8O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2250	**Phenol**	**108-95-2**	S	42.8	181.7	0.4	20	1.072	3
2251	Phenol red, sodium salt	34487-61-1	S	285					2
2252	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	L		>245	<20	20	1.22	
2253	Phenolphthalein	77-09-8	S	258-262				1.299	2
2254	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	L	14	242	0.03	25	1.11 @ 20C	2
2255	Phenyl Chloroformate; (Carbonochloridic acid phenyl ester)	1885-14-9	L		187-189	63.074	20	1.244	3
2256	Phenyl dichloroarsine; (Dichlorophenylarsine)	696-28-6	L	-15.6	254.4	0.021	20	1.654 @ 20 C	3
2257	Phenyl ether; (Diphenyl ether)	101-84-8	S	37-39	259			1.0728 @ 20C	2
2258	Phenyl isocyanate.	103-71-9	L	-30	158-168	1	10.6	1.0956 @ 19.6	3
2259	Phenyl sepharose	69106-59-8	S						
2260	Phenyl-1,2-propanedione, 1-	579-07-7	L	<20	222			1.007 @ 20/4	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2261	Phenyl-2-oxzaoline, 2-	7127-19-7	N.I.S. etc.	147.17	ppm	N	6.015	C9.H9.N.O
2262	Phenylacetylene; (Ethynylbenzene)	536-74-3	PEB750	102.14	mg/m³	Y	4.175	C8.H6
2263	Phenylazo)aniline, p-(	60-09-3	PEI000	197.26	mg/m³	N	8.06	C12H11N3
2264	Phenylboric Acid; (Benzeneboronic acid)	98-80-6	BBM000	121.94	mg/m³	N	4.98	C6H7BO2
2265	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	PER750	160.28	mg/m³	N	6.55	C12.H16
2266	Phenylene diisocyanate, 1,4-	104-49-4	PFA300	160.14	mg/m³	Y	6.55	C8H4N2O2
2267	Phenylenediamine dihydrochloride, 1,2-	615-28-1	PEY600	181.08	mg/m³	N	7.40	C6H8N2.2ClH
2268	Phenylenediamine dihydrochloride, 1,4-	624-18-0	PEY650	181.08	mg/m³	N	7.40	C6H8N2.2ClH
2269	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	PEY250	108.16	mg/m³	N	4.42	C6H8N2
2270	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	PEY000	108.16	mg/m³	N	4.42	C6H8N2
2271	Phenylenediamine, p-	106-50-3	PEY500	108.16	mg/m³	Y	4.42	C6H8N2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2261	Phenyl-2-oxzaoline, 2-	7127-19-7	L	12	75			1.118	
2262	Phenylacetylene; (Ethynylbenzene)	536-74-3	L	-45	142	17.6	37.7	0.94	3
2263	Phenylazo)aniline, p-(	60-09-3	S	126	360				3
2264	Phenylboric Acid; (Benzeneboronic acid)	98-80-6	S	216					3
2265	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	L	7-8	240	1	67.5	0.938	3
2266	Phenylene diisocyanate, 1,4-	104-49-4	S						3
2267	Phenylenediamine dihydrochloride, 1,2-	615-28-1	S						3
2268	Phenylenediamine dihydrochloride, 1,4-	624-18-0	S						3
2269	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	S/L	104	257				3
2270	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	S/L	65	287	1	99.8	1.139	3
2271	Phenylenediamine, p-	106-50-3	S	146	267				3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2272	Phenylhydrazine	100-63-0	PFI000	108.16	ppm	N	4.42	C6H8N2
2273	Phenylhydrazine hydrochloride	59-88-1	PFI250	144.62	mg/m³	N	5.91	C6H8N2.ClH
2274	Phenylmagnesium bromide	100-58-3	N.I.S.	181.31	mg/m³	N	7.410	C6.H5.Mg.Br
2275	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	ABU500	336.75	mg/m³	Y	13.76	C8H8HgO2
2276	Phenylphenol, 2-	90-43-7	BGJ250	170.22	mg/m³	Y	6.96	C12H10O
2277	Phenylphosphine	638-21-1	PFV250	110.10	ppm	N	4.50	C6-H7-P
2278	Phenylpropanol, 2-; (Dimethylphenylmethanol)	617-94-7	DTN100	136.21	ppm	Y	5.57	C9H12O
2279	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	PMJ500	187.69	mg/m³	N	7.67	C9.H13.N.O..Cl.H
2280	Phenylsilatrane	2097-19-0	PGH750	251.39	mg/m³	N	10.27	C12H17NO3Si
2281	Phenylthiourea; (1-phenyl-2-thiourea)	103-85-5	PGN250	152.23	mg/m³	N	6.22	C7H8N2S
2282	Phenyltriethoxysilane	780-69-8	PGO000	240.41	mg/m³	Y	9.83	C12.H20.O3.Si

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2272	Phenylhydrazine	100-63-0	L	19.6	243.5	0.026	25	1.0978 @ 20C	3
2273	Phenylhydrazine hydrochloride	59-88-1	S/L	250-254	decom				3
2274	Phenylmagnesium bromide	100-58-3	S						3
2275	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	S	149-152					3
2276	Phenylphenol, 2-	90-43-7	S	56	275			1.217	3
2277	Phenylphosphine	638-21-1	L		160-161			1.001 @ 16 C	3
2278	Phenylpropanol, 2-; (Dimethylphenylmethanol)	617-94-7	S	35-37	202	0.52	37	0.9735 @ 20 C	2
2279	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	S	194					3
2280	Phenylsilatrane	2097-19-0	S	208-209	350	0.00001	25		3
2281	Phenylthiourea; (1-phenyl-2-thiourea)	103-85-5	S					1.3	3
2282	Phenyltriethoxysilane	780-69-8	L		232-233			1.00 @ 20C	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2283	Phenyltrimethoxysilane	2996-92-1	PGO750	198.32	mg/m³	N	8.11	C9.H24.O3.Si
2284	Phenylxylylethane; (PXE)	6196-95-8	N.I.S.	210.32	mg/m³	N	8.60	(C6H5) (C6H3(CH3)2) CHCH3
2285	Phloroglucinol dihydrate	6099-90-7	N.I.S.	162.16	mg/m³	N	6.63	C6.H6.O3..2(H2.O)
2286	Phorate	298-02-2	PGS000	260.39	mg/m³	Y	10.64	C7H17O2PS3
2287	Phosacetim	4104-14-7	BIM000	375.22	mg/m³	N	15.34	C14H13Cl2N2O2PS
2288	Phosfolan	947-02-4	PGW750	255.31	mg/m³	N	10.43	C7H14NO3PS2
2289	**Phosgene**	**75-44-5**	PGX000	98.91	ppm	Y	4.04	CO.Cl2
2290	Phosmet	732-11-6	PHX250	317.33	mg/m³	Y	12.97	C11H12NO4PS2
2291	Phosphamidon; (Famfos)	13171-21-6	FAB400	299.72	mg/m³	N	12.25	C10H19ClNO5P
2292	**Phosphine**	**7803-51-2**	PGY000	34.00	ppm	Y	1.39	PH3
2293	Phosphomolybdic acid	11104-88-4	N.I.S.	159.92	mg/m³	N	6.536	H-O.Mo.O.P

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2283	Phenyltrimethoxysilane	2996-92-1	L		110 @ 20 mm			1.062	3
2284	Phenylxylylethane; (PXE)	6196-95-8	L					0.983 @ 25 C	
2285	Phloroglucinol dihydrate	6099-90-7	S	217					
2286	Phorate	298-02-2	L	-42.9	290	0.00084	25	1.156 @ 25 C	3
2287	Phosacetim	4104-14-7	S	104-106	400	0.0001	25		3
2288	Phosfolan	947-02-4	S	39.5	410	0.0001	25		3
2289	**Phosgene**	**75-44-5**	G	-127.8	8.3	>760		1.419 @ 0 C	3
2290	Phosmet	732-11-6	S	71.9	dec	0.00054	25	1.03 @ 20 C	3
2291	Phosphamidon; (Famfos)	13171-21-6	L	-45	350	0.000025	25	1.21 @ 25 C	2
2292	**Phosphine**	**7803-51-2**	G	-133.9	-87.8	>760		1.529 @ 0 C	3
2293	Phosphomolybdic acid	11104-88-4	S					3.2	2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2294	Phosphonic acid	13598-36-2	PGZ899	82.00	mg/m³	N	3.35	H3.O3.P
2295	Phosphonic acid, dioctadecyl ester	19047-85-9	N.I.S.	585.96	mg/m³	N	23.95	C36-H75-O3P
2296	Phosphonic acid, tridodecyl ester	3076-63-9	N.I.S.	587.08	mg/m³	N	23.99	C36-H75-O3-P
2297	Phosphoric acid	7664-38-2	PHB250	98.00	mg/m³	Y	4.01	H3.PO4
2298	Phosphoric acid dimethyl-p-(methylthio)phenyl ester	3254-63-5	PHD250	248.25	mg/m³	N	10.15	C9H13O4PS
2299	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	N.I.S.	82.00	mg/m³	Y	3.351	H3.O3.P
2300	Phosphorous pentafluoride	7647-19-0	PHR750	125.97	ppm	Y	5.15	F5P
2301	Phosphorous trifluoride	7783-55-3	PHQ500	87.97	ppm	Y	3.60	F3P
2302	Phosphorus (red)	7723-14-0	PHO500	30.97	mg/m³	N	1.27	P
2303	Phosphorus (yellow)	12185-10-3	PHP010	123.88	mg/m³	Y	5.06	P4
2304	**Phosphorus oxychloride**	**10025-87-3**	PHQ800	153.32	ppm	Y	6.27	Cl3OP

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2294	Phosphonic acid	13598-36-2	S hygr	73.8					2
2295	Phosphonic acid, dioctadecyl ester	19047-85-9	S						
2296	Phosphonic acid, tridodecyl ester	3076-63-9	S						
2297	Phosphoric acid	7664-38-2	S	42.2	212.8	0.03	20	1.864	3
2298	Phosphoric acid dimethyl-p-(methylthio)phenyl ester	3254-63-5	L		300	0.001	25	1.273 @ 21 C	3
2299	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	S						
2300	Phosphorous pentafluoride	7647-19-0	G	-83	-75				3
2301	Phosphorous trifluoride	7783-55-3	G	-152	-102				3
2302	Phosphorus (red)	7723-14-0	Spwdr	590 @ 43atm	280			2.34	3
2303	Phosphorus (yellow)	12185-10-3	S	44.1	280	0.03		1.82	3
2304	**Phosphorus oxychloride**	**10025-87-3**	L	1.2	105.1	40	27.3	1.685 @15.5	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2305	Phosphorus pentachloride	10026-13-8	PHR500	208.22	mg/m³	Y	8.51	Cl5P
2306	Phosphorus pentasulfide	1314-80-3	PHS000	222.24	mg/m³	Y	9.08	P2S5
2307	**Phosphorus pentoxide**	**1314-56-3**	PHS250	141.94	mg/m³	Y	5.80	P2.O5
2308	**Phosphorus trichloride**	**7719-12-2**	PHT275	137.32	ppm	Y	5.61	Cl3P
2309	Phosphorus trioxide	1314-24-5	PHT500	110.00	mg/m³	Y	4.50	P2.O3
2310	Phthalic acid	88-99-3	PHW250	166.14	mg/m³	Y	6.79	C8H6O4
2311	Phthalic anhydride	85-44-9	PHW750	148.12	mg/m³	Y	6.05	C6H4(CO)2O
2312	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	N.I.S.	203.02	ppm	Y	8.298	C8.H4.Cl2.O2
2313	Physostigmine	57-47-6	PIA500	275.39	mg/m³	N	11.26	C15H21N3
2314	Physostigmine salicylate(1:1)	57-64-7	PIA750	413.52	mg/m³	N	16.90	C15H21N3O2.C7H6O3
2315	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	PIB930	123.12	mg/m³	N	5.03	C6.H5.N.O2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2305	Phosphorus pentachloride	10026-13-8	S	148 dec under press	160 subl	1	55.5	3.6	3
2306	Phosphorus pentasulfide	1314-80-3	Sdel	286-290	514			2.09	3
2307	**Phosphorus pentoxide**	**1314-56-3**	S	340	360 subl	1	189	2.3	3
2308	**Phosphorus trichloride**	**7719-12-2**	L	-111.8	76	100	21	1.574	3
2309	Phosphorus trioxide	1314-24-5	S	23.8	173.1			2.135 @ 21 C	3
2310	Phthalic acid	88-99-3	S	210 dec	155			1.59	2
2311	Phthalic anhydride	85-44-9	S	130.6	295	0.005		1.527 @ 4 C	3
2312	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	L	15.5	281.1	30	47	1.409	3
2313	Physostigmine	57-47-6	S	86-87		0.00001	25		3
2314	Physostigmine salicylate(1:1)	57-64-7	S	184-186	dec	0.00001	25		3
2315	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	S	136.5	subl				3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2316	Picric acid	88-89-1	PID000	229.12	mg/m³	Y	9.36	C6H3N3O7
2317	Picrotoxin	124-87-8	PIE500	602.64	mg/m³	N	24.63	C15H18O7.C15H16O6
2318	Pigment green 36	14302-13-7	CMS140	1393.30	mg/m³	N	56.95	C32.Br6.Cl10.Cu.N8
2319	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	CMS208	685.66	mg/m³	N	28.02	C36.H34.Cl2.N6.O4
2320	Pigment yellow 14	5468-75-7	CMS210	657.60	mg/m³	N	26.88	C34.H30.Cl2.N6.O4
2321	Pigment yellow 36; (Zinc chromate)	13530-65-9	ZFJ100	183.39	mg/m³	N	7.50	Cr.H2.O4..Zn
2322	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	DQU000	100.18	ppm	N	4.09	C.H3.CO..C(C.H3)3
2323	Pinacolyl alcohol; ((tert-Butyl methyl carbinol)	464-07-3	BRU300	102.20	ppm	N	4.18	C6.H14.O
2324	Piperazine	110-85-0	PIJ000	86.16	mg/m³	Y	3.52	C4H10N2
2325	**Piperidine**	**110-89-4**	PIL500	85.17	ppm	Y	3.48	C5H11NO
2326	Pirimifos-ethyl	23505-41-1	DIN600	333.43	mg/m³	N	13.63	C13H24N3O3PS

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2316	Picric acid	88-89-1	S	121.8	>300 expl			1.763	3
2317	Picrotoxin	124-87-8	S	203-204		0.00001	25		3
2318	Pigment green 36	14302-13-7	S						D
2319	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	S						1
2320	Pigment yellow 14	5468-75-7	S						1
2321	Pigment yellow 36; (Zinc chromate)	13530-65-9	S	316					3
2322	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	L	-52.5	106.1	31.5	25	0.7229	2
2323	Pinacolyl alcohol; ((tert-Butyl methyl carbinol)	464-07-3	L	5.6	120.4			0.8122	1
2324	Piperazine	110-85-0	S	106	146			1.1	2
2325	**Piperidine**	**110-89-4**	L	-9	106	40	29.2	0.8622	3
2326	Pirimifos-ethyl	23505-41-1	L	15-18	130 dec	0.00029	25	1.14 @ 20 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2327	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	N.I.S.	186.25	mg/m³	N	7.61	C10.H18.O3
2328	Platinum	7440-06-4	PJD500	195.09	mg/m³	N	7.97	Pt
2329	Platinum cyanide	592-06-3	N.I.S. etc.	247.10	mg/m³	N	10.10	Pt..C2.N2
2330	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO)	68649-12-7	N.I.S.		mg/m³	Y		[Unspecified]
2331	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8	N.I.S. etc.		mg/m³	Y		(Mixture)
2332	Poly(1-vinyl-2-pyrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8	PKQ250		mg/m³	N		(C6.H9.O.N.)n
2333	Poly(acrylamide-co-dially	26590-05-6	N.I.S.		mg/m³	N		C11.H21.Cl.N2.O
2334	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	N.I.S.	1300.00	mg/m³	Y	53.133	C7.H20.O5.Si
2335	Poly(dimethylsiloxane), hydride terminated	70900-21-9	N.I.S.		mg/m³	N		
2336	Poly(dimethylsiloxane),vi	68083-19-2	N.I.S.		mg/m³	N		
2337	Poly(ethylene glycol methyl ether)	9004-74-4	MFJ750	350.00	mg/m³	N	14.305	(C2.H4.O)n.C.H4.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2327	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	L		193			0.918	
2328	Platinum	7440-06-4	S	1772	3827			21.45	2
2329	Platinum cyanide	592-06-3	S						
2330	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO)	68649-12-7	L		401	< 1	20	0.819	1
2331	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8	L	17	118			0.9	3
2332	Poly(1-vinyl-2-pyrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8	S pwdr	165				1.23 - 1.29	2
2333	Poly(acrylamide-co-dially	26590-05-6	S					1.02	
2334	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	S		150			1.04	1
2335	Poly(dimethylsiloxane), hydride terminated	70900-21-9	S						
2336	Poly(dimethylsiloxane),vi	68083-19-2	L						
2337	Poly(ethylene glycol methyl ether)	9004-74-4	S						1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2338	Poly(ethylene glycol)diacrylate	26570-48-9	N.I.S.		mg/m³	N		(C2.H4.O)n..C6.H6.O3
2339	Poly(melamine-co-formaldehyde), methylated	68002-20-0	THR790	511.00	mg/m³	N	20.885	(C4.H8.N6.O)n
2340	Poly(oxyethylene)(2) stearyl ether	9005-00-9	SLM000		mg/m³	N		(C2.H4.O)n.C18.H38.O
2341	Poly(Styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	N.I.S.	312.40	mg/m³	N	12.768	C24.H24
2342	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	PJY500		mg/m³	N		(C6H11NO)n
2343	Polybutyl acrylate	9003-49-0	N.I.S.		mg/m³	N		(C7.H12.O2)n
2344	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	PJL800		mg/m³	N		41% Cl
2345	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	N.I.S.		mg/m³	N		37% Cl
2346	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	PJM000	192.00	mg/m³	N	7.85	21% Cl
2347	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	PJM250		mg/m³	N		32% Cl
2348	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	PJM500		mg/m³	N		42% Cl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2338	Poly(ethylene glycol)diacrylate	26570-48-9	S					1.11	3
2339	Poly(melamine-co-formaldehyde), methylated	68002-20-0	S					1.2	3
2340	Poly(oxyethylene)(2) stearyl ether	9005-00-9	S	40-45					2
2341	Poly(Styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	S						0
2342	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	S						2
2343	Polybutyl acrylate	9003-49-0	S						
2344	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	L		340-375			1.44 @ 30 C	2
2345	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	L		340-375			1.44 @ 30 C	2
2346	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	L	1	340-375	0.0067	25	1.187 @ 15.5 C	2
2347	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	L		340-375			1.44 @ 30 C	2
2348	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	L		340-375				3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2349	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	PJM750		mg/m³	N		48% Cl
2350	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	PJN000		mg/m³	N		54% Cl
2351	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	PJN250		mg/m³	N		60% Cl
2352	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl?))	z-0043	PJN250		mg/m³	N		61% Cl
2353	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	PJN500		mg/m³	N		62% Cl
2354	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	PJN750		mg/m³	N		68% Cl
2355	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	PJL750		mg/m³	N		[Unspecified]
2356	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	PJR000		mg/m³	N		(C2.H6.O.Si)x
2357	Polydimethyl siloxanes	7013-67-8	N.I.S. etc.		mg/m³	N		
2358	Polyether polyol ester	z-0112	N.I.S.	3000.00	mg/m³	N	122.614	
2359	**Polyethylbenzene residue; (Dowtherm Q)**	**68987-42-8**	N.I.S.	190.00	ppm	N	7.77	C14.H14

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2349	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	L		340-375			1.4-1.5	3
2350	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	S		340-375				3
2351	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	S		340-375				3
2352	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl?))	z-0043	S		340-375			1.44 @ 30 C	2
2353	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	S		340-375			1.44 @ 30 C	2
2354	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	S		340-375				3
2355	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	L/S		340-375			1.44 @ 30 C	3
2356	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	L		>149			0.834	
2357	Polydimethyl siloxanes	7013-67-8	L						2
2358	Polyether polyol ester	z-0112	L						
2359	**Polyethylbenzene residue; (Dowtherm Q)**	**68987-42-8**	L	-40	267	0.0149	25	0.97 @ 20	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2360	Polyethylene	9002-88-4	PJS750		mg/m³	N		(C2H4)n
2361	Polyethylene glycol	25322-68-3	PJT000		mg/m³	Y		(C2H4O)n· H2O
2362	Polyethylene glycol 20M	37225-26-6	N.I.S.		mg/m³	Y		)C21.H24.O4..(-C2.H4.O)n.H2.O)x
2363	Polyethylene glycol dimethacrylate	25852-47-5	N.I.S.		mg/m³	N		(C2.H4.O)n.C8.H10.O3
2364	Polyglycol 15-200: (Calthane NF and ND "B")	9082-00-2	PJX900		mg/m³	N		C3.H8.O3..3(-C3.H6.O..C2.H4.O)x
2365	Polyisocyanate prepolymer (based on MDI)	zz-0001	N.I.S.		mg/m³	N		
2366	Polymaleic acid; (2-Butenediiodic acid homopolymer)	26099-09-2	PJY850		mg/m³	N		(C4.H4.O4)x
2367	Polymerized Linseed Oil	67746-08-1	N.I.S.		mg/m³	N		
2368	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	PKB100		mg/m³	N		
2369	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2	N.I.S.	254.59	mg/m³	N	10.405	C9.H30.O2.Si3
2370	Polymethylmethacrylate; (Lucite)	9011-14-7	PKB500		mg/m³	N		(C5.H8.O2)n

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2360	Polyethylene	9002-88-4	S	85-110				0.92	2
2361	Polyethylene glycol	25322-68-3	L or S						2
2362	Polyethylene glycol 20M	37225-26-6	L						
2363	Polyethylene glycol dimethacrylate	25852-47-5	S						
2364	Polyglycol 15-200: (Calthane NF and ND "B")	9082-00-2	L	< -25	dec			1.013	1
2365	Polyisocyanate prepolymer (based on MDI)	zz-0001	S						
2366	Polymaleic acid; (2-Butenediiodic acid homopolymer)	26099-09-2	S						D
2367	Polymerized Linseed Oil	67746-08-1	L						
2368	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	L		210 @ 5 mmHg	< 0.00001	25	1.24@ 20	2
2369	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2							
2370	Polymethylmethacrylate; (Lucite)	9011-14-7	S						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2371	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0	N.I.S.		mg/m³	N		(C3-H6-O)n-C6-H16-N2-O
2372	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	PKG000	1227.72	mg/m³	Y	50.18	C58.H114.O26
2373	Polyoxyethylene monooctylphenyl ether	9036-19-5	GHS000		mg/m³	Y		(C2H4O)n C14H22O
2374	Polyoxyethylene sorbitan monopalmitate; (TWEEN 40)	9005-66-7	PKG500	1283.84	mg/m³	N	52.472	C62.H122.O26
2375	Polyoxypropylene polyamine	39423-51-3	N.I.S.		mg/m³	N		(C3.H6.O)n.(C3.H6.O)n.(C3.H6.O)n.C15.H35.N3.O3
2376	Polyphosphoric acid	8017-16-1	N.I.S.		mg/m³	Y		Hx+2-Px-O3x+1. x>1
2377	Polypropylene	9003-07-0	PMP500		mg/m³	N		(C3.H6)n
2378	Polypropylene glycol,chloromethyl) oxirane polymer	9072-62-2	PKK100		mg/m³	N		((C3.H6.O)nH2.O..C3.H5.Cl.O)x
2379	Polypropylene glycols	25322-69-4	PKI550		mg/m³	Y		(C3H6O)n. H2O
2380	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6	PJH630		mg/m³	N		(C3H6O·C2H4O)x
2381	Polysorbate 85; (TWEEN 85)	9005-70-3	TOE250		mg/m³	N		

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2371	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0							
2372	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	S	-10	>100			1.084 @ 45C	2
2373	Polyoxyethylene monooctylphenyl ether	9036-19-5							3
2374	Polyoxyethylene sorbitan monopalmitate; (TWEEN 40)	9005-66-7	L						2
2375	Polyoxypropylene polyamine	39423-51-3	S						
2376	Polyphosphoric acid	8017-16-1	L	21	300 - 500			2.06	
2377	Polypropylene	9003-07-0	S	165				0.90 - 0.92	2
2378	Polypropylene glycol,chloromethyl) oxirane polymer	9072-62-2	S					1.02	D
2379	Polypropylene glycols	25322-69-4	S						3
2380	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6							2
2381	Polysorbate 85; (TWEEN 85)	9005-70-3	L	-28.9	200			1.028	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2382	Polystyrene resin; (Styrene polymer)	9003-53-6	SMQ500		mg/m³	N		(C8H8)n
2383	Polysulfone resin	25135-51-7	N.I.S. etc.		mg/m³	N		
2384	Polyurethane foam; (Urethane polymers)	9009-54-5	PKL500		mg/m³	N		[Unspecified]
2385	Polyurethane prepolymer of MDI	68092-58-0	N.I.S.		mg/m³	N		(C15.H10.N2.O2..C9.H20.O4..C6H14.O3)n
2386	Polyurethane prepolymer of MDI + polyether polyol	65636-36-4	N.I.S.		mg/m³	N		(C9.H6.N2.O..(C4.H8.O)n..H2.O..(C3.H6.O)n..H2.O)x
2387	Polyvinyl alcohol	9002-89-5	PKP750		mg/m³	N		(C2.H4.O)x
2388	Polyvinyl chloride	9002-86-2	PKQ059		mg/m³	N		(C2H3Cl)Tl
2389	Potassium	7440-09-7	PKT250	39.10	mg/m³	Y	1.60	K
2390	Potassium acetate	127-08-2	PKT750	98.15	mg/m³	N	4.01	C2H3O2.K
2391	Potassium acid fluoride	7789-29-9	PKU250	78.11	mg/m³	N	3.19	F2.H.K
2392	Potassium aluminate	12003-63-3	PLC100	98.07	mg/m³	N	4.01	K-Al-O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2382	Polystyrene resin; (Styrene polymer)	9003-53-6	S						2
2383	Polysulfone resin	25135-51-7	S						
2384	Polyurethane foam; (Urethane polymers)	9009-54-5	S						2
2385	Polyurethane prepolymer of MDI	68092-58-0	L						
2386	Polyurethane prepolymer of MDI + polyether polyol	65636-36-4	S						
2387	Polyvinyl alcohol	9002-89-5	S	>200	~340			1.329	3
2388	Polyvinyl chloride	9002-86-2	S					1.406	2
2389	Potassium	7440-09-7	S	63	770			0.862	3
2390	Potassium acetate	127-08-2	S	292				1.8	2
2391	Potassium acid fluoride	7789-29-9	S deliq	238.8 dec					3
2392	Potassium aluminate	12003-63-3	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2393	Potassium aluminite	z-0044	PLC100	134.10	mg/m³	N	5.48	K-Al(OH)4
2394	Potassium aluminosilicate	1327-44-2	PLC100	158.16	mg/m³	N	6.46	KAlSiO4
2395	Potassium antimonate	29638-69-5	PLC100	511.89	mg/m³	N	20.92	Sb2-K4-O7
2396	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	PLC100	262.89	mg/m³	N	10.74	K-Sb-(OH)6
2397	Potassium antimonite	z-0045	PLC100	228.88	mg/m³	N	9.35	KSb(OH)4
2398	Potassium argentate	z-0046	PLC100	180.97	mg/m³	N	7.40	K-Ag(OH)2
2399	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	ARD250	180.04	mg/m³	Y	7.36	As.H2O4.K
2400	Potassium arsenite	10124-50-2	PKV500	399.65	mg/m³	Y	16.33	As.(OH)3.xK
2401	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	PKV500	146.02	mg/m³	N	5.97	K.As.O2
2402	Potassium beryllium oxide	z-0047	PLC100	144.20	mg/m³	Y	5.89	{Be2-K2-O3]
2403	Potassium bicarbonate	298-14-6	PKX100	100.11	mg/m³	N	4.09	KHCO3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2393	Potassium aluminite	z-0044	S						
2394	Potassium aluminosilicate	1327-44-2	S						
2395	Potassium antimonate	29638-69-5	S						
2396	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8							
2397	Potassium antimonite	z-0045							
2398	Potassium argentate	z-0046	S						
2399	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	S	288				2.287	3
2400	Potassium arsenite	10124-50-2	S hygrs						3
2401	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	S						3
2402	Potassium beryllium oxide	z-0047	S						
2403	Potassium bicarbonate	298-14-6	S	~100 dec				2.17	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2404	Potassium bi-iodate	13455-24-8	N.I.S.	389.90	mg/m³		15.94	H.I2.K.O6
2405	Potassium bismuthate	12589-75-2	PLC100	316.10	mg/m³	N	12.92	KBi(OH)4
2406	Potassium bisulfate	7646-93-7	PKX750	136.17	mg/m³	Y	5.57	HO4S.K
2407	Potassium bromate	7758-01-2	PKY300	167.01	mg/m³	N	6.83	BrO3.K
2408	Potassium bromide	7758-02-3	PKY500	119.01	mg/m³	N	4.86	BrK
2409	Potassium cadminate	z-0048	PLC100	258.62	mg/m³	N	10.57	2K.Cd-(OH)4
2410	Potassium carbonate	584-08-7	PLA000	138.21	mg/m³	Y	5.65	CO3.2K
2411	Potassium chlorate	3811-04-9	PLA250	122.55	mg/m³	Y	5.01	ClO3.K
2412	Potassium chloride	7447-40-7	PLA500	74.55	mg/m³	Y	3.05	ClK
2413	Potassium chromate(VI)	7789-00-6	PLB250	194.20	mg/m³	Y	7.94	CrO4.2K
2414	Potassium citrate	866-84-2	PLB750	306.41	mg/m³	N	12.52	C6H5O7.3K

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2404	Potassium bi-iodate	13455-24-8	S						
2405	Potassium bismuthate	12589-75-2	S						
2406	Potassium bisulfate	7646-93-7	S	214				2.24	2
2407	Potassium bromate	7758-01-2	S	350				3.27	3
2408	Potassium bromide	7758-02-3	S	730	1435	1	795	2.75	2
2409	Potassium cadminate	z-0048	S						3
2410	Potassium carbonate	584-08-7	S	901	dec			2.428	3
2411	Potassium chlorate	3811-04-9	S	356	400 dec			2.32	3
2412	Potassium chloride	7447-40-7	S	771	1500 subl			1.987	3
2413	Potassium chromate(VI)	7789-00-6	S	975	dec			2.78 @ 18 C	3
2414	Potassium citrate	866-84-2	S	230 dec				1.98	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2415	Potassium citrate, monohydrate	6100-05-6	N.I.S. etc.	324.39	mg/m³	N	13.26	C6.H7.K3.O8
2416	Potassium columbate; (Potassium niobate)	12030-85-2	PLL250	1174.26	mg/m³	N	47.99	8K.Nb6O19
2417	Potassium cyanide	151-50-8	PLC500	65.12	mg/m³	Y	2.66	CN.K
2418	Potassium dichromate	7778-50-9	PKX250	294.20	mg/m³	Y	12.02	Cr2.K2.O7
2419	Potassium dideuterium phosphate	13761-79-0	N.I.S.	139.11	mg/m³	N	5.69	D2-H-O4.K
2420	Potassium ferricyanide	13746-66-2	PLF250	329.27	mg/m³	N	13.46	3K.Fe(CN)6
2421	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	TEC500	368.37	mg/m³	N	15.06	4 K..Fe (C.N)6
2422	Potassium fluoride	7789-23-3	PLF500	58.10	mg/m³	N	2.37	FK
2423	Potassium fluoride dihydrate	13455-21-5	N.I.S.	94.14	mg/m³	N	3.848	F.H4.K.O2
2424	Potassium formate	590-29-4	PLG750	84.12	mg/m³	N	3.44	K.CHO2
2425	Potassium glycolate	1932-50-9	PLC100	114.13	ppm	N	4.66	C2-H4-O3.K

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2415	Potassium citrate, monohydrate	6100-05-6	S						
2416	Potassium columbate; (Potassium niobate)	12030-85-2	S						3
2417	Potassium cyanide	151-50-8	S	622.5	1625			1.52 @ 16 C	3
2418	Potassium dichromate	7778-50-9	S	398	500 dec			2.69	3
2419	Potassium dideuterium phosphate	13761-79-0							
2420	Potassium ferricyanide	13746-66-2	S	70 loses water	dec			1.85	2
2421	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	S						1
2422	Potassium fluoride	7789-23-3	S	859.9	1500	1	885	2.48	3
2423	Potassium fluoride dihydrate	13455-21-5	S	41	156			2.454	
2424	Potassium formate	590-29-4	S	168	dec			1.91	3
2425	Potassium glycolate	1932-50-9	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2426	Potassium gold cyanide	554-07-4	N.I.S., etc.	288.10	mg/m³	N	11.78	Au.K.C2.N2
2427	Potassium hexacyanoferrate(II) trihydrate; (Potassiumate ferrocyanide trihydratetrihydrate)	14459-95-1	PLH100	422.39	mg/m³	N	17.26	K4.[Fe(C.N)6]..3 H2.O
2428	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-dipotassium)	16871-90-2	PLH750	220.29	mg/m³	N	9.00	F6.Si..2k
2429	Potassium hydride	7693-26-7	PLJ250	40.11	mg/m³	Y	1.639	H.K
2430	Potassium hydrogen lead oxide	z-0049	PLC100	279.30	mg/m³	N	11.42	KHPbO2
2431	Potassium hydrogen pyrophosphate	z-0050	PLC100	291.21	mg/m³	N	11.90	K3HP2O7
2432	Potassium hydrogen silicate	z-0051	PLC100	116.18	mg/m³	N	4.75	K.H3.SiO4
2433	Potassium hydroxide	1310-58-3	PLJ500	56.11	mg/m³	Y	2.29	KOH
2434	Potassium iminodiacetate; (Potassium IDA)	z-0052	PLC100	209.00	ppm	Y	8.54	C4.H5.N.O4..2K
2435	Potassium iodate	7758-05-6	PLK250	214.00	mg/m³	N	8.75	K.I.O3
2436	Potassium iodide	7681-11-0	PLK500	166.00	mg/m³	N	6.78	I.K

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2426	Potassium gold cyanide	554-07-4	S						
2427	Potassium hexacyanoferrate(II) trihydrate; (Potassiumate ferrocyanide trihydratetrihydrate)	14459-95-1	S	60 dec				1.85	3
2428	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-dipotassium)	16871-90-2	S	dec				2.27	3
2429	Potassium hydride	7693-26-7	S					1.43	3
2430	Potassium hydrogen lead oxide	z-0049	S						
2431	Potassium hydrogen pyrophosphate	z-0050	S						
2432	Potassium hydrogen silicate	z-0051	S						
2433	Potassium hydroxide	1310-58-3	S	405	1320			2.044	3
2434	Potassium iminodiacetate; (Potassium IDA)	z-0052							
2435	Potassium iodate	7758-05-6	S	560				3.89	3
2436	Potassium iodide	7681-11-0	S	681	1330	1	745	3.13	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2437	Potassium lanthanate	z-0053	PLC100	246.02	mg/m³	N	10.06	K.La.(O.H)4
2438	Potassium metaborate	13709-94-9	PLC100	82.92	mg/m³	N	3.39	K..B.H.O2
2439	Potassium molybdate	13446-49-6	PLC100	238.14	mg/m³	N	9.73	K2.Mo.O4
2440	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	PLC100	168.89	mg/m³	N	6.90	K2.Ni.O2
2441	Potassium nickelate (liquids)	z-0055	PLC100	204.90	mg/m³	N	8.37	K2.Ni.(O.H)4
2442	Potassium nickelate (solids)	z-0056	PLC100	204.90	mg/m³	N	8.37	K2.Ni.(O.H)4
2443	Potassium nitrate	7757-79-1	PLL500	101.10	mg/m³	N	4.13	K.N.O3
2444	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1	TMX750	305.43	mg/m³	N	12.48	C6.H6.N.O6..3K
2445	Potassium nitrite	7758-09-0	PLM500	85.11	mg/m³	N	3.48	N.O2..K
2446	Potassium orthovanadate	14293-78-8	PLC100	232.00	mg/m³	N	9.48	K3.V.O4
2447	Potassium oxalate	583-52-8	PLN300	168.24	mg/m³	N	6.88	C2.H2.O4..2K

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2437	Potassium lanthanate	z-0053	S						
2438	Potassium metaborate	13709-94-9	S						
2439	Potassium molybdate	13446-49-6	S	919				2.3	
2440	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	L						
2441	Potassium nickelate (liquids)	z-0055	L						
2442	Potassium nickelate (solids)	z-0056	S						
2443	Potassium nitrate	7757-79-1	S	334	400 dec			2.109	3
2444	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1							2
2445	Potassium nitrite	7758-09-0	S	440	1000 expl			1.915	3
2446	Potassium orthovanadate	14293-78-8							
2447	Potassium oxalate	583-52-8	S					2.08	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2448	Potassium oxalate monohydrate	6487-48-5	N.I.S. etc.	184.23	mg/m³	N	7.53	K2.C2.O4..H2O
2449	Potassium perchlorate	7778-74-7	PLO500	138.55	mg/m³	N	5.66	K..Cl.O4
2450	Potassium periodate	7790-21-8	PLO750	230.01	mg/m³	Y	9.40	I.K.O4
2451	Potassium permanganate	7722-64-7	PLP000	158.04	mg/m³	Y	6.46	K-Mn-O4
2452	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	DWQ000	272.34	mg/m³	Y	11.13	H2O8S2.2K
2453	Potassium pertechnetate	14133-76-7	PLC100	201.10	mg/m³	N	8.22	K.Tc.O4
2454	Potassium phosphate dibasic trihydrate	16788-57-1	N.I.S. etc.	228.23	mg/m³	N	9.33	K2.H.P.O4..3 H2O
2455	Potassium phosphate, dibasic	7758-11-4	PLQ400	174.18	mg/m³	N	7.12	K2HPO4
2456	Potassium phosphate, monobasic	7778-77-0	PLQ405	136.09	mg/m³	N	5.56	H2-O4-P.K
2457	Potassium phosphate, tribasic	7778-53-2	PLQ405	212.27	mg/m³	N	8.68	K3.PO4
2458	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	PLR200	330.24	mg/m³	N	13.50	K4P2O7

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2448	Potassium oxalate monohydrate	6487-48-5	S	160				2.13	2
2449	Potassium perchlorate	7778-74-7	S	400 dec				2.52	3
2450	Potassium periodate	7790-21-8	S	582				3.618 @ 15C	3
2451	Potassium permanganate	7722-64-7	S	240 dec				2.703	3
2452	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	S	100 dec				2.477	3
2453	Potassium pertechnetate	14133-76-7	S						
2454	Potassium phosphate dibasic trihydrate	16788-57-1	S						1
2455	Potassium phosphate, dibasic	7758-11-4	S						1
2456	Potassium phosphate, monobasic	7778-77-0	S						
2457	Potassium phosphate, tribasic	7778-53-2	S						2
2458	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	S	180	300			2.33	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2459	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	PLC100	256.32	mg/m³	N	10.48	H2-O7-S2.2K
2460	Potassium pyrosulfite	16731-55-8	PLR250	183.22	mg/m³	N	7.49	K. S2.O5
2461	Potassium selenate	7790-59-2	PLR750	221.14	mg/m³	N	9.04	K2-Se-O4
2462	Potassium selenite	10431-47-7	SBO100	205.16	mg/m³	Y	8.39	K2-Se-O3
2463	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	N.I.S.		mg/m³	N		K2.Si3.05 to K2.Si3.O7
2464	Potassium silver cyanide	506-61-6	PLS250	199.01	mg/m³	Y	8.13	C2AgN2.K
2465	Potassium stannate	12142-33-5	PLC100	244.90	mg/m³	N	10.01	K2-Sn-O3
2466	Potassium strontium phosphate	53201-92-6	PLC100	221.68	mg/m³	N	9.06	K.Sr.P.O4
2467	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	PLT000	174.26	mg/m³	N	7.12	O4S.2K
2468	Potassium sulfite	10117-38-1	PLT500	158.26	mg/m³	N	6.47	O3S.2K
2469	Potassium tellurate	15571-91-2	PLC100	269.78	mg/m³	N	11.03	2K-Te-O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2459	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	S						
2460	Potassium pyrosulfite	16731-55-8	S	150 dec				2.3	2
2461	Potassium selenate	7790-59-2	S	1000				3.07	3
2462	Potassium selenite	10431-47-7	S						3
2463	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	S	1015				2.456	
2464	Potassium silver cyanide	506-61-6	S			0.00001	25	2.36 @ 25 C	3
2465	Potassium stannate	12142-33-5	S						
2466	Potassium strontium phosphate	53201-92-6	S						
2467	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	S	1067	1689			2.66	2
2468	Potassium sulfite	10117-38-1	S						D
2469	Potassium tellurate	15571-91-2	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2470	Potassium tellurite	7790-58-1	PLU000	253.78	mg/m³	N	10.37	2K-Te-O3
2471	Potassium tetrafluoroborate(1-)	14075-53-7	PKY000	125.91	mg/m³	N	5.15	B.F4..K
2472	Potassium tetraphenylborate	3244-41-5	PLC100	358.31	mg/m³	N	14.64	KB(C6H5)4
2473	Potassium thiocyanate	333-20-0	PLV000	97.18	mg/m³	N	3.97	CNS.K
2474	Potassium trihydrogen silicate	z-0058	PLC100	134.20	mg/m³	N	5.48	K-H3-Si-O4
2475	Potassium tungstate (liquids)	7790-60-5a	PLC100	326.03	mg/m³	Y	13.33	K2-W-O4
2476	Potassium tungstate (solids)	7790-60-5b	PLC100	326.03	mg/m³	Y	13.33	K2-W-O4
2477	Potassium uranyl carbonate	z-0059	PLC100	408.22	mg/m³	Y	16.68	K2-UO2-CO3
2478	Potassium zirconate	12030-98-7	PLC100	217.41	mg/m³	Y	8.89	2K-Zr-O3
2479	Potassium-tert-butoxide; (tert-Butyl alcohol, potassiun derivitave)	865-47-4	PKY750	112.20	mg/m³	Y	4.59	K..C4H9.O
2480	Praseodymium	7440-10-0	PLX500	140.91	mg/m³	N	5.759	Pr

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2470	Potassium tellurite	7790-58-1	S						3
2471	Potassium tetrafluoroborate(1-)	14075-53-7	S	570				2.506	3
2472	Potassium tetraphenylborate	3244-41-5	S						
2473	Potassium thiocyanate	333-20-0	S	173	500 dec			1.89	3
2474	Potassium trihydrogen silicate	z-0058	S						
2475	Potassium tungstate (liquids)	7790-60-5a	L	921				3.12	
2476	Potassium tungstate (solids)	7790-60-5b	S hygr	921				3.12	
2477	Potassium uranyl carbonate	z-0059	S						
2478	Potassium zirconate	12030-98-7	S						
2479	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	S		257 dec	0.13	220	0.82	3
2480	Praseodymium	7440-10-0	S	935	3512			6.772	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2481	Praseodymium nitrate	10361-80-5	PLY250	326.94	mg/m³	N	13.36	N3O9.Pr
2482	Praseodymium oxide	12036-32-7	N.I.S.	329.81	mg/m³	N	13.48	Pr2-O3
2483	Praseodymium(III,IV) oxide	12037-29-5	N.I.S.	1021.44	mg/m³	N	41.75	Pr6.O11
2484	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	CQI500	207.30	mg/m³	N	8.47	C12H17NO2
2485	Propanamine, 1-; (Propylamine)	107-10-8	PND250	59.30	ppm	Y	2.42	C3H9N
2486	**Propane**	**74-98-6**	PMJ750	44.11	ppm	N	1.80	C3H8
2487	Propane sultone, 1,3-	1120-71-4	PML400	122.15	mg/m³	Y	4.99	C3H6O3S
2488	Propanediamine, 1,2-	78-90-0	PMK250	74.15	mg/m³	Y	3.03	C3H10N2
2489	Propanediamine, 1,3-	109-76-2	PMK500	74.15	ppm	Y	3.03	C3H10N2
2490	**Propanedinitrile; (Malononitrile)**	**109-77-3**	MAO250	66.07	ppm	Y	2.70	C3H2N2
2491	Propanediol, 1,3-	504-63-2	PML250	76.11	mg/m³	N	3.11	C3.H8.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2481	Praseodymium nitrate	10361-80-5	S						3
2482	Praseodymium oxide	12036-32-7	S	2300				6.9	
2483	Praseodymium(III,IV) oxide	12037-29-5	S						
2484	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	S	87-88	345	0.00003	25		3
2485	Propanamine, 1-; (Propylamine)	107-10-8	L	-83	48-49	248	20	0.7191	3
2486	**Propane**	**74-98-6**	G	-187.7	-42.1	760		0.5853	3
2487	Propane sultone, 1,3-	1120-71-4	S	31	155-157 @14mm			1.392	3
2488	Propanediamine, 1,2-	78-90-0	L		118.9			0.9	3
2489	Propanediamine, 1,3-	109-76-2	L	-12	135-136			0.8881	3
2490	**Propanedinitrile; (Malononitrile)**	**109-77-3**	L	30.5	220	11	99	1.049 @ 34 C	3
2491	Propanediol, 1,3-	504-63-2	L		210-211			1.0536	1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2492	Propanediol, 2,2-dimethyl-, 1,3-	126-30-7	DTG400	104.17	ppm	Y	4.26	C5.H12.O2
2493	Propanethiol	107-03-9	PML500	76.17	ppm	Y	3.11	C3.H8.S
2494	Propanol, zirconium(4+) salt, 1-	23519-77-9	N.I.S.	327.57	mg/m³	N	13.39	C12.H24.O4..Zr
2495	Propargyl alcohol	107-19-7	PMN450	56.07	ppm	Y	2.29	C3H4O
2496	Propargyl bromide	106-96-7	PMN500	118.97	mg/m³	Y	4.86	Br.C3H3
2497	Propiolactone, b-	57-57-8	PMT100	72.07	ppm	N	2.95	C3H4O2
2498	**Propionaldehyde**	**123-38-6**	PMT750	58.09	ppm	Y	2.37	C3H6O3S
2499	Propionic acid	79-09-4	PMU750	74.09	ppm	Y	3.03	C3H6O2
2500	Propionic acid, 3-ethoxy-, ethyl ester	763-69-9	EJV500	146.21	mg/m³	Y	5.98	C7H14O3
2501	Propionic acid, sodium salt	137-40-6	SJL500	96.07	mg/m³	N	3.93	C3.H5.O2..Na
2502	Propionic anhydride	123-62-6	PMV500	130.16	mg/m³	Y	5.32	C6H10O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2492	Propanediol, 2,2-dimethyl-, 1,3-	126-30-7	S	129	206			1.06	2
2493	Propanethiol	107-03-9	L	-113.3	67-68	154.2	25	0.8411 @ 20C	3
2494	Propanol, zirconium(4+) salt, 1-	23519-77-9	S						
2495	Propargyl alcohol	107-19-7	L	-48->	114.5	11.6	20	0.9715	3
2496	Propargyl bromide	106-96-7	L	-61.07	88-90			1.579 @ 19 C	3
2497	Propiolactone, b-	57-57-8	L	-33.4	162 dec			1.145	3
2498	**Propionaldehyde**	**123-38-6**	L	-81	48			0.807	3
2499	Propionic acid	79-09-4	L	-21.5	141.1	10	39.7	0.99815	3
2500	Propionic acid, 3-ethoxy-, ethyl ester	763-69-9	L	-100	170.1			0.9496	1
2501	Propionic acid, sodium salt	137-40-6	S hygr						2
2502	Propionic anhydride	123-62-6	L	-45	167	1	20.6	1.012	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2503	**Propionitrile; (Propiononitrile)**	**107-12-0**	PMV750	55.09	ppm	Y	2.25	C3H5N
2504	Propionyl chloride	79-03-8	PMW500	92.53	ppm	Y	3.78	CH3CH2CO.Cl
2505	Propoxur	114-26-1	PMY300	209.27	mg/m³	N	8.55	C11H15NO3
2506	Propyl acetate, N-	109-60-4	PNC250	102.15	ppm	N	4.175	C5.H10.O2
2507	Propyl alcohol, n-	71-23-8	PND000	60.11	ppm	Y	2.46	C3H8O
2508	Propyl chloroformate; (Propyl chlorocarbonate)	109-61-5	PNH000	122.56	ppm	N	5.01	C4H7ClO2
2509	Propyl nitrate	627-13-4	PNQ500	105.11	ppm	Y	4.30	C3H7NO3
2510	Propyl-1-butanamine, N-	20193-21-9	N.I.S.	115.22	mg/m³	N	4.71	C7-H17-N
2511	Propylbenzene, N-; (Isocumene)	103-65-1	IKG000	120.21	ppm	N	4.91	C6H5CH2 CH2CH3
2512	Propylene carbonate, 1,2-	108-32-7	CBW500	102.10	mg/m³	Y	4.17	C4H6O3
2513	Propylene glycol dinitrate	6423-43-4	PNL000	166.11	ppm	Y	6.79	C3H6N2O6

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2503	**Propionitrile; (Propiononitrile)**	**107-12-0**	L	-103.5	97.1	35	20	0.783	3
2504	Propionyl chloride	79-03-8	L	-94	80			1.065	3
2505	Propoxur	114-26-1	S	84-87					3
2506	Propyl acetate, N-	109-60-4	L	-93	101.5	35.9	25	0.836 @ 20	3
2507	Propyl alcohol, n-	71-23-8	L	-127	97.19	10	14.7	0.8044	3
2508	Propyl chloroformate; (Propyl chlorocarbonate)	109-61-5	L		114-115 @768			1.09	3
2509	Propyl nitrate	627-13-4	L	<-101	110.5			1.054 @ 20 C	3
2510	Propyl-1-butanamine, N-	20193-21-9							
2511	Propylbenzene, N-; (Isocumene)	103-65-1	L	-92.2	159.2	10	43.4	0.862	3
2512	Propylene carbonate, 1,2-	108-32-7	L	-48.8	242.1	0.03		1.2069	1
2513	Propylene glycol dinitrate	6423-43-4	L	-7.8		0.07	22	1.23 @ 25	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2514	Propylene glycol monomethyl ether acetate; (1-Methoxypropyl-2-acetate)	108-65-6	PNL265	132.18	ppm	N	5.40	C6.H12.O3
2515	Propylene glycol monomethyl ether; (UCAR TRIOL HG-170)	107-98-2	UBA000	90.10	ppm	Y	3.68	C4H10O2
2516	Propylene glycol mono-n-butyl ether; (3-butoxy-1-propanol)	10215-33-5	BPS500	132.23	ppm	Y	5.40	C7H16O2
2517	Propylene glycol; (1,2-Propanediol)	57-55-6	PML000	76.11	mg/m³	Y	3.11	C3H8O2
2518	**Propylene oxide; (Methyl ethylene oxide)**	**75-56-9**	PNL600	58.09	ppm	Y	2.37	C3H6O
2519	Propylene; (1-Propene)	115-07-1	PMO500	42.09	ppm	N	1.72	H2C=CHCH3
2520	**Propyleneimine, 1,2-**	**75-55-8**	PNL400	57.11	ppm	Y	2.33	C3H7N
2521	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	IOT000	285.39	mg/m³	N	11.66	C9H20NO3PS2
2522	Pump oil	64742-65-0	MQV825		mg/m³	N		
2523	Pyrene	129-00-0	PON250	202.26	mg/m³	Y	8.27	C16H10
2524	Pyridine	110-86-1	POP250	79.11	ppm	Y	3.23	C6H5N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2514	Propylene glycol monomethyl ether acetate; (1-Methoxypropyl-2-acetate)	108-65-6	L		150	3.7	20	0.969 @ 20C	2
2515	Propylene glycol monomethyl ether; (UCAR TRIOL HG-170)	107-98-2	L	-96.7	120			0.9234	1
2516	Propylene glycol mono-n-butyl ether; (3-butoxy-1-propanol)	10215-33-5							3
2517	Propylene glycol; (1,2-Propanediol)	57-55-6	L	-59	188.2	0.08		1.0362	2
2518	**Propylene oxide; (Methyl ethylene oxide)**	**75-56-9**	L	-112.2	34.4	445	20	0.8304	3
2519	Propylene; (1-Propene)	115-07-1	G/L	-185	-47.7	7600	19.8	0.581 @ 0 C	3
2520	**Propyleneimine, 1,2-**	**75-55-8**	L		66-67			1.41	3
2521	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	S	28.5	330	0.0001	25		3
2522	Pump oil	64742-65-0	L		>315			0.6-0.9	3
2523	Pyrene	129-00-0	S	149-150	404			1.271	3
2524	Pyridine	110-86-1	L	-42.2	115.6	20	25	0.982	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2525	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	IKZ100	107.12	mg/m³	N	4.378	C6.H5.N.O
2526	Pyridine-D5	7291-22-7	N.I.S. etc.	84.13	ppm	N	3.439	C5.D5.N
2527	Pyriminil; (Pyriminyl)	53558-25-1	PPP750	272.29	mg/m³	N	11.13	C13H12N4O3
2528	Pyrogallic acid	87-66-1	PPQ500	126.12	mg/m³	Y	5.15	C6.H6.O3
2529	Pyromellitic acid	89-05-4	PPQ630	254.16	mg/m³	N	10.39	C10H6O8
2530	Pyroxylin; (Cellulose tetranitrate)	9004-70-0	CCU250	504.30	mg/m³	N	20.61	C12H16 (ONO2)4O6
2531	Pyrrole; (Imidole)	109-97-7	PPS250	67.10	ppm	N	2.742	C4.H5.N
2532	Pyrrolidine	123-75-1	PPS500	71.14	mg/m³	N	2.91	C4H9N
2533	Pyrrolidinone, 2-	616-45-5	PPT500	85.12	ppm	Y	3.48	C4-H7-N-O
2534	Pyruvate kinase	9001-59-6	N.I.S.		mg/m³	N		
2535	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	QAT520		mg/m³	Y		

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2525	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	L	12	71-73			1.137	2
2526	Pyridine-D5	7291-22-7	L	-42	114.4			1.05	2
2527	Pyriminil; (Pyriminyl)	53558-25-1	S	223-225		0.00001	25		3
2528	Pyrogallic acid	87-66-1	S	131-133	309	10	167.7	1.453 @ 4C	3
2529	Pyromellitic acid	89-05-4	S	257-265				1.79	3
2530	Pyroxylin; (Cellulose tetranitrate)	9004-70-0	Samor					1.66	3
2531	Pyrrole; (Imidole)	109-97-7	L	-23.4	129.7	8.35	25	0.9698 @ 20C	3
2532	Pyrrolidine	123-75-1	L	-63	88.5-89	128	39	0.8618	3
2533	Pyrrolidinone, 2-	616-45-5	S	24.6	245	0.00949	25	1.116	1
2534	Pyruvate kinase	9001-59-6	S						
2535	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	S					0.96	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2536	Quinhydrone	106-34-3	QFJ000	220.24	mg/m³	N	9.00	(C6H6O2)2
2537	Quinoline	91-22-5	QMJ000	129.17	ppm	Y	5.28	C9H7N
2538	Quinolinol, 8-	148-24-3	QPA000	145.17	mg/m³	N	5.93	C9H7NO
2539	Resorcinol	108-46-3	REA000	110.12	ppm	Y	4.50	C6H6O2
2540	REXYN I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quanternized, hydroxide)	69011-49-0	N.I.S.	361.46	mg/m³	N	14.77	(C10.H14.O4..C8.H8..C3.H9.N)x
2541	Rhenium hexafluoride	10049-17-9	N.I.S.	300.20	mg/m³	N	12.269	Re.F6
2542	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	N.I.S.	484.41	mg/m³	N	19.80	Re2-O7
2543	Rhodium	7440-16-6	RHF000	102.91	mg/m³	N	4.21	Rh
2544	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a	N.I.S.	134.91	mg/m³	Y	5.51	Rh-O2
2545	Rhodium oxide (solids); (Rhodium((IV) oxide)	12137-27-8b	N.I.S.	134.91	mg/m³	N	5.51	Rh-O2
2546	Rhodium(III) hydroxide (liquids)	21656-02-0a	N.I.S.	153.93	mg/m³	Y	6.29	Rh-(OH)3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2536	Quinhydrone	106-34-3	S	171				1.4	3
2537	Quinoline	91-22-5	L	-14.5	237.7	1	59.7	1.09	3
2538	Quinolinol, 8-	148-24-3	S	76	267				3
2539	Resorcinol	108-46-3	S	110	280.5	1	108.4	1.285 @ 15 C	3
2540	REXYN I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quanternized, hydroxide)	69011-49-0	S					1.2	
2541	Rhenium hexafluoride	10049-17-9	L	18.5	33.6			4.06 (cry)	
2542	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	S	297	360			6.1	
2543	Rhodium	7440-16-6	S	1966	3727			12.41	3
2544	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a	L					7.2	
2545	Rhodium oxide (solids); (Rhodium((IV) oxide)	12137-27-8b	S					7.2	
2546	Rhodium(III) hydroxide (liquids)	21656-02-0a	L sol						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2547	Rhodium(III) hydroxide (solids)	21656-02-0b	N.I.S.	153.93	mg/m³	N	6.29	Rh-(OH)3
2548	Rhodium(III) oxide (solids)	12036-35-0	N.I.S.	253.81	mg/m³	N	10.37	Rh2-O3
2549	Riboflavine	83-88-5	RIK000	376.37	mg/m³	N	15.38	C17.H20.N4.O6
2550	Ribonuclease T1	9026-12-4	N.I.S.		mg/m³	N		
2551	Ricin	9009-86-3	RJK000	65000	mg/m³	Y	2656.64	[Glycoprotein]
2552	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	RNU100		mg/m³	N		
2553	Rotenone	83-79-4	RNZ000	394.45	mg/m³	Y	16.12	C23H22O6
2554	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	ROU000	97.26	ppm	Y	3.98	C5-C9 petroleum cut
2555	Rubidium	7440-17-7	RPA000	85.47	mg/m³	Y	3.49	Rb
2556	Rubidium bromide	7789-39-1	N.I.S.	165.37	mg/m³	N	6.76	RbBr
2557	Rubidium chloride	7791-11-9	RPF000	120.92	mg/m³	N	4.94	ClRb

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2547	Rhodium(III) hydroxide (solids)	21656-02-0b	S is						
2548	Rhodium(III) oxide (solids)	12036-35-0	S is	1100 dec				8.2	
2549	Riboflavine	83-88-5	S	282	dec				3
2550	Ribonuclease T1	9026-12-4	S						
2551	Ricin	9009-86-3	S						3
2552	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	S						
2553	Rotenone	83-79-4	S	163				1.27	3
2554	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	L		38-93			0.6	3
2555	Rubidium	7440-17-7	S	39.5	688			1.532 @ 20 C	3
2556	Rubidium bromide	7789-39-1	S	693	1340			3.35	
2557	Rubidium chloride	7791-11-9	S	718	1390			2.76	2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2558	Rubidium hydroxide	1310-82-3	RPZ000	102.48	mg/m³	Y	4.19	Rb-OH
2559	Rubidium nitrate	13126-12-0	N.I.S.	147.48	mg/m³	N	6.03	Rb.NO3
2560	Ruthenium	7440-18-8	RRU000	101.07	mg/m³	N	4.13	Ru
2561	Ruthenium trichloride	10049-08-8	RRZ000	207.42	mg/m³	N	8.48	ClRu
2562	Ruthenium(IV) oxide	12036-10-1	RSF875	133.07	mg/m³	N	5.44	Ru-O2
2563	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	SAD000	162.20	mg/m³	Y	6.63	C10H10O2
2564	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	BLH250	325.25	mg/m³	N	13.29	C16H14CoN2O2
2565	Salicylaldehyde	90-02-8	SAG000	122.13	mg/m³	Y	4.992	C7.H6.O2
2566	Salicylic acid	69-72-7	SAI000	138.13	mg/m³	Y	5.65	C7H6O3
2567	Salicylic acid, monoammonium salt	528-94-9	ANT600	155.17	mg/m³	N	6.34	C7.H5.O3..H4.N
2568	Salicylic acid, phenyl ester	118-55-8	PGG750	214.23	mg/m³	N	8.76	C13.H10.O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2558	Rubidium hydroxide	1310-82-3	V	382				3.203 @ 11 C	2
2559	Rubidium nitrate	13126-12-0	S						
2560	Ruthenium	7440-18-8	S	2310	4150			12.45	3
2561	Ruthenium trichloride	10049-08-8	S	500 dec				3.11	3
2562	Ruthenium(IV) oxide	12036-10-1	V					7.05	3
2563	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	L	11	232.5	1	63.8	1.0960 @ 20 C	3
2564	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	S			0.00001	25		3
2565	Salicylaldehyde	90-02-8	L	-7	197	0.593	25	1.167	3
2566	Salicylic acid	69-72-7	S	158.3	211 @ 20mm			1.443	3
2567	Salicylic acid, monoammonium salt	528-94-9	S						3
2568	Salicylic acid, phenyl ester	118-55-8	S	43	172-173 @ 12mm			1.250 @ 20C	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2569	Samarium	7440-19-9	SAQ500	150.36	mg/m³	N	6.145	Sm
2570	Samarium nitrate	10361-83-8	SAT200	336.38	mg/m³	N	13.75	SmN3O9
2571	Samarium(ii) iodide solution	32248-43-4	N.I.S. etc.	404.17	mg/m³	N	16.519	Sm.I2
2572	Samarium(III) chloride hexahydrate	13465-55-9	N.I.S., etc.	364.81	mg/m³	Y	14.91	Cl3.H12.O6.Sm
2573	Samarium(III) oxide	12060-58-1	N.I.S.	348.72	mg/m³	N	14.25	Sm2-O3
2574	Saxitoxin	35523-89-8	SBA600	299.34	mg/m³	N	12.23	C10.H17.N7.O4
2575	Scandium	7440-20-2	SBB500	44.96	mg/m³	N	1.84	Sc
2576	Scandium oxide	12060-08-1	N.I.S.	137.91	mg/m³	N	5.64	Sc2-O3
2577	Sec-butyllithium	598-30-1	N.I.S.	64.06	ppm	N	2.618	C4.H9..Li
2578	Selenious acid	7783-00-8	SBO000	128.98	mg/m³	N	5.27	H2-Se-O3
2579	Selenium	7782-49-2	SBO500	78.96	mg/m³	N	3.23	Se

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2569	Samarium	7440-19-9	S	1072	1778			7.536	3
2570	Samarium nitrate	10361-83-8	S						3
2571	Samarium(ii) iodide solution	32248-43-4	S					0.922	2
2572	Samarium(III) chloride hexahydrate	13465-55-9	S	110				2.38	
2573	Samarium(III) oxide	12060-58-1	S					8.347	
2574	Saxitoxin	35523-89-8	S						3
2575	Scandium	7440-20-2	S	1541	2836			2.989	
2576	Scandium oxide	12060-08-1	S	2485				3.864	
2577	Sec-butyllithium	598-30-1	L	17.22				0.769	3
2578	Selenious acid	7783-00-8	V	70 dec		2	15	3.004 @ 15 C	3
2579	Selenium	7782-49-2	S	217	685	1	356	4.26 - 4.81	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2580	Selenium dioxide	7446-08-4	SBQ500	110.96	mg/m³	N	4.54	O2Se
2581	Selenium hexafluoride	7783-79-1	SBS000	192.96	ppm	N	7.89	F6Se
2582	Selenium monosulfide	7446-34-6	SBT000	111.02	mg/m³	N	4.54	SeS
2583	Selenium oxychloride	7791-23-3	SBT500	165.86	mg/m³	N	6.78	Cl2OSe
2584	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	SBR000	143.08	mg/m³	N	5.85	SeS2
2585	Semicarbazide hydrochloride	563-41-7	SBW500	111.55	mg/m³	N	4.56	CH5N3O.ClH
2586	Sephacryl s-200, superfine	65546-95-4	N.I.S., etc.		mg/m³	N		
2587	Sephacryl s-300	82785-74-8	N.I.S. etc.		mg/m³	N		
2588	Sephadex gel filter 20-801	9041-35-4	N.I.S. etc.		mg/m³	N		
2589	Sepharose cl-4b	61970-08-9	N.I.S. etc.		mg/m³	N		
2590	Silane	7803-62-5	SDH575	32.13	ppm	N	1.31	H4Si

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2580	Selenium dioxide	7446-08-4	S	340-350	subl	1	157	3.95	3
2581	Selenium hexafluoride	7783-79-1	G	-46.6	-34 subl			3.27	3
2582	Selenium monosulfide	7446-34-6	S	111.03	118dec			3.056 @0C	3
2583	Selenium oxychloride	7791-23-3	L	10.9	176.4	2.9	25	2.42 @ 22 C	3
2584	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	S	<100					3
2585	Semicarbazide hydrochloride	563-41-7	S/L	176 decom					3
2586	Sephacryl s-200, superfine	65546-95-4							
2587	Sephacryl s-300	82785-74-8							
2588	Sephadex gel filter 20-801	9041-35-4	S						
2589	Sepharose cl-4b	61970-08-9	S						
2590	Silane	7803-62-5	G	-185	-112			0.68 @ -185 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2591	Silica amorphous fumed	112945-52-5	SCH002	60.09	mg/m³	N	2.46	Si.O2
2592	Silica amorphous hydrated	7631-86-9	SCI000	60.09	mg/m³	N	2.46	Si.O2
2593	Silica gel	63231-67-4	N.I.S.		mg/m³	N		Si.O2
2594	Silica gel dessicant	1343-98-2	N.I.S.		mg/m³	N		Si.O2
2595	Silica gel, amorphous synthetic	112926-00-8	N.I.S.		mg/m³	N		Si.O2
2596	Silica, amorphous fume	69012-64-2	SCH001		mg/m³	N		Si.O2
2597	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	SCJ500	60.09	mg/m³	N	2.46	Si.O2
2598	Silicic acid	7699-41-4	SCL000	78.10	mg/m³	Y	3.19	Si-H2-O3
2599	Silicic acid, aluminum calcium sodium salt	1344-01-0	N.I.S.	135.00	mg/m³	N	5.52	Si.OH.Al.Ca.Na ?
2600	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	SCN700	184.04	mg/m³	Y	7.52	Na4.O4.Si
2601	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	SCO500	144.11	mg/m³	N	5.89	H2F.6Si

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2591	Silica amorphous fumed	112945-52-5	S pwdr						2 1
2592	Silica amorphous hydrated	7631-86-9	S	1716-1736	2230				1
2593	Silica gel	63231-67-4	S	1610	2503	10	1732	2.2	
2594	Silica gel dessicant	1343-98-2	S coll.	1610	2503 @ 20C	10	1732	2.2	
2595	Silica gel, amorphous synthetic	112926-00-8	S						
2596	Silica, amorphous fume	69012-64-2							
2597	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	S	1710	2230			2.6	3
2598	Silicic acid	7699-41-4	S						3
2599	Silicic acid, aluminum calcium sodium salt	1344-01-0	S react						
2600	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	S		102	18			2
2601	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	L		dec				3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2602	Silicon	7440-21-3	SCP000	28.09	mg/m³	Y	1.15	Si
2603	Silicon carbide	409-21-2	SCQ000	40.10	mg/m³	N	1.64	Csi
2604	Silicon nitride	12033-89-5	N.I.S.	140.28	mg/m³	N	5.73	Si3.N4
2605	Silicon tetrafluoride; (Tetrafluorosilane)	7783-61-1	SDF650	104.09	ppm	Y	4.25	F4Si
2606	Silicon(II) oxide; (Silicon oxide)	10097-28-6	SDH000	44.09	mg/m³	N	1.80	Osi
2607	Siloprene k 1000	63394-02-5	PJR250/ SPB000		mg/m³	N		
2608	Siloxanes and silicones, -di-Me,-reaction products wit silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	SCR400		mg/m³	N		Cab-0-sil-N70-TS-
2609	Siloxanes and silicones; (Silicone fluid, high temp)	63148-58-3	SDF000	75.00	mg/m³	Y	3.07	-R2.SI-O
2610	Silver	7440-22-4	SDI500	107.87	mg/m³	N	4.41	Ag
2611	Silver carbonate; (Silver(I) carbonate)	534-16-7	SDN200	275.75	mg/m³	N	11.27	Ag2-CO3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2602	Silicon	7440-21-3	S	1410	2355	1	1724	2.42	3
2603	Silicon carbide	409-21-2	S	2600	subl			3.17	2
2604	Silicon nitride	12033-89-5	S	1900				3.17	
2605	Silicon tetrafluoride; (Tetrafluorosilane)	7783-61-1	G	-77					3
2606	Silicon(II) oxide; (Silicon oxide)	10097-28-6	S	>1702	1880			2.15	3
2607	Siloprene k 1000	63394-02-5	S						
2608	Siloxanes and silicones, -di-Me,-reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	S		> 140 @ 0.002 mm	< 5	20	1.8	
2609	Siloxanes and silicones; (Silicone fluid, high temp)	63148-58-3	L						
2610	Silver	7440-22-4	S	961.6	2212			10.5	2
2611	Silver carbonate; (Silver(I) carbonate)	534-16-7	S	218				6.077	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2612	Silver chloride	7783-90-6	SDO500	143.32	mg/m³	N	5.86	AgCl
2613	Silver cyanide	506-64-9	SDP000	133.89	mg/m³	Y	5.47	Ag.CN
2614	Silver hydroxide	12673-77-7	SDO500	124.88	mg/m³	N	5.10	Ag..OH
2615	Silver nitrate	7761-88-8	SDS000	169.88	mg/m³	Y	6.94	Ag..N.O3
2616	Silver nitrite; (Silver(I) nitrite)	7783-99-5	SDO500	153.87	mg/m³	N	6.29	Ag-NO2
2617	Silver oxide	20667-12-3	SDU500	231.74	mg/m³	N	9.47	Ag2O
2618	Soda lime	8006-28-8	SEE000		mg/m³	Y		Ca.O + >4% Na.OH
2619	Sodium	7440-23-5	SEE500	22.99	mg/m³	Y	0.94	Na
2620	Sodium acetate	127-09-3	SEG500	82.04	mg/m³	N	3.35	C2.H3.O2..Na
2621	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	N.I.S.	82.04	mg/m³	N	3.35	Na.C2.H4.O2..3(H2O)
2622	Sodium aluminate	1302-42-7	SFZ000	81.97	mg/m³	N	3.35	Al.O2..Na

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2612	Silver chloride	7783-90-6	S	445	1550	1	136	5.6 @ 20C	
2613	Silver cyanide	506-64-9	S	320 dec				3.95	3
2614	Silver hydroxide	12673-77-7	S						
2615	Silver nitrate	7761-88-8	S	212	444 dec			4.352 @ 19 C	3
2616	Silver nitrite; (Silver(I) nitrite)	7783-99-5	S						
2617	Silver oxide	20667-12-3	S	300 dec				7.22	3
2618	Soda lime	8006-28-8	S						
2619	Sodium	7440-23-5	S	97.8	881.4	1.2	400	0.971	3
2620	Sodium acetate	127-09-3	S	324				1.528	3
2621	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	S hygr	324	dec			1.528	
2622	Sodium aluminate	1302-42-7	S	1650				4.63	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2623	Sodium aluminate; (Aluminum sodium oxide)	11138-49-1	AHG000	82.00	mg/m³	N	3.35	Na.Al.O2
2624	Sodium aluminosilicate	1344-00-9	SEM000	142.05	mg/m³	Y	5.81	Na.Al.Si.O4
2625	Sodium aluminum hydride	13770-96-2	SEM500	54.01	mg/m³	N	2.21	Al.H4..Na
2626	Sodium aluminum silicate	73987-94-7	SFZ000	410.94	mg/m³	N	16.80	Al.12(Na.Si.O4)
2627	Sodium antimonate; (Sodium hexahydroxoantimonate)	33908-66-6	AQB250	192.74	mg/m³	N	7.88	Na.Sb.(OH)6
2628	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	AQB250	246.79	mg/m³	N	10.09	Na.Sb.O3
2629	Sodium antimonite	z-0061	SFZ000	212.78	mg/m³	N	8.70	Na.Sb.(OH)4
2630	Sodium argentate	z-0062	SFZ000	164.87	mg/m³	N	6.74	Na.Ag.(OH)2
2631	Sodium arsenate	7631-89-2	ARD750	202.94	mg/m³	Y	8.29	AsH3O4.7Na
2632	Sodium arsenite	7784-46-5	SEY500	129.91	mg/m³	Y	5.31	NaAsO2
2633	Sodium azide	26628-22-8	SFA000	65.02	mg/m³	Y	2.66	N3Na

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2623	Sodium aluminate; (Aluminum sodium oxide)	11138-49-1	S	1650					2
2624	Sodium aluminosilicate	1344-00-9	S						1
2625	Sodium aluminum hydride	13770-96-2	S	183				1.24	3
2626	Sodium aluminum silicate	73987-94-7	S						
2627	Sodium antimonate; (Sodium hexahydroxoantimonate)	33908-66-6	S						D
2628	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	S						D
2629	Sodium antimonite	z-0061	S						
2630	Sodium argentate	z-0062	S						
2631	Sodium arsenate	7631-89-2	S	86					3
2632	Sodium arsenite	7784-46-5	S					1.87	3
2633	Sodium azide	26628-22-8	S	dec				1.846	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2634	Sodium beryllium oxide	z-0063	SFZ000	112.00	mg/m³	Y	4.58	Na2-Be2-O3
2635	Sodium bicarbonate	144-55-8	SFC500	84.01	mg/m³	N	3.43	NaHCO3
2636	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	SHQ500	62.00	mg/m³	Y	2.53	F2.Hna
2637	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	SGK800	202.16	mg/m³	N	8.26	C6.H16.Al.Na.O4
2638	Sodium bismuthate	12232-99-4	SFD000	279.97	mg/m³	N	11.44	NaBi(OH)4 or BiNaO3
2639	Sodium bisulfate monohydrate	10034-88-5	N.I.S.	138.08	mg/m³	N	5.64	Na.H.O4.S..H2O
2640	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	SEG800	120.06	mg/m³	Y	4.91	HO4S.Na
2641	Sodium bisulfite	7631-90-5	SFE000	104.06	mg/m³	N	4.25	HO3S.Na
2642	Sodium borate decahydrate	1303-96-4	SFE500	381.40	mg/m³	Y	15.59	Na2.B4.O7.. 10 H2O
2643	Sodium borate; (Disodium tetraborate; Borates, tetrasodium salts)	1330-43-4	DXG035	201.22	mg/m³	Y	8.224	B4.O7..2Na
2644	Sodium borohydride	16940-66-2	SFF500	37.84	mg/m³	Y	1.55	BH4.Na

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2634	Sodium beryllium oxide	z-0063	S						
2635	Sodium bicarbonate	144-55-8	S		dec			2.159	1
2636	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	S	decom				2.08	3
2637	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	S		396-402			1.036	2
2638	Sodium bismuthate	12232-99-4	S						
2639	Sodium bisulfate monohydrate	10034-88-5	S					2.1	
2640	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	S	>315dec				2.43513	2
2641	Sodium bisulfite	7631-90-5	S	dec				1.48	3
2642	Sodium borate decahydrate	1303-96-4	S	75-320	320			1.73	3
2643	Sodium borate; (Disodium tetraborate; Borates, tetrasodium salts)	1330-43-4	S	741	1575			2.367	D
2644	Sodium borohydride	16940-66-2	S	497 dec				1.07	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2645	Sodium bromate	7789-38-0	SFG000	150.90	mg/m³	N	6.17	BrO3.Na
2646	Sodium bromide	7647-15-6	SFG500	102.90	mg/m³	N	4.21	BrNa
2647	Sodium butyl (2-ethylhexyl)phosphate	z-0064	SFZ000	288.30	mg/m³	N	11.78	[Unknown]
2648	Sodium butyl butylphosphonate	z-0065	SFZ000	232.19	mg/m³	N	9.49	[Unknown]
2649	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	HKC500	159.99	mg/m³	N	6.54	AsO2C2H6.Na
2650	Sodium cadminate	z-0066	SFZ000	226.42	mg/m³	N	9.25	Na2-Cd-(OH)4
2651	Sodium carbonate	497-19-8	SFO000	105.99	mg/m³	N	4.33	Na2CO3
2652	Sodium carbonate monohydrate	5968-11-6	SFZ000	124.01	mg/m³	Y	5.07	Na2CO3.H2O
2653	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4	SFO500		mg/m³	N		
2654	Sodium chloride	7647-14-5	SFT000	58.44	mg/m³	Y	2.39	ClNa
2655	Sodium chlorite	7758-19-2	SFT500	90.44	mg/m³	N	3.70	Na.Cl.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2645	Sodium bromate	7789-38-0	S	381				3.339	3
2646	Sodium bromide	7647-15-6	S	747	1390			3.21	2
2647	Sodium butyl (2-ethylhexyl)phosphate	z-0064							
2648	Sodium butyl butylphosphonate	z-0065							
2649	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	S	200					3
2650	Sodium cadminate	z-0066	S						2
2651	Sodium carbonate	497-19-8	S hygr	851	dec			2.509 @ 0 C	3
2652	Sodium carbonate monohydrate	5968-11-6	S	851				2.53	2
2653	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4	S						2
2654	Sodium chloride	7647-14-5	S	801	1413	1	865	2.165	2
2655	Sodium chlorite	7758-19-2	S	257	180-200 dec			2.468	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2656	Sodium chromate decahydrate	13517-17-4	SFW500	342.18	mg/m³	Y	13.99	2Na.Cr.O4..10H2O
2657	Sodium chromate tetrahydrate	10034-82-9	N.I.S.	303.03	mg/m³	Y	12.39	2Na..Cr.O4..4H2O
2658	Sodium chromate(VI); (Disodium chromate)	7775-11-3	DXC200	161.98	mg/m³	Y	6.62	2Na.Cr.O4
2659	Sodium citrate; (Monosodium citrate)	18996-35-5	MRL000	214.12	mg/m³	N	8.75	C6H7O7.Na
2660	Sodium cobaltinitrite	13600-98-1	SFX750	403.96	mg/m³	N	16.51	CoN6O12.3Na
2661	Sodium cyanide	143-33-9	SGA500	49.01	mg/m³	Y	2.00	Na.CN
2662	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	CPV500	88.08	mg/m³	N	3.60	C5.H5.Na
2663	Sodium deuteroxide	14014-06-3	N.I.S. etc.	41.00	mg/m³	Y	1.676	Na.O.D
2664	Sodium dichromate dihydrate	7789-12-0	SGI500	298.02	mg/m³	N	12.18	Cr2.Na2.O7. 2H2O
2665	Sodium dichromate; (Disodium dichromate)	10588-01-9	SGI000	261.98	mg/m³	Y	10.71	2Na.Cr2.O7
2666	Sodium diethyldithiocarbamate trihydrate	20624-25-3	SJG500	225.33	mg/m³	N	9.21	C5.H10.N.S2..Na.3H2.0

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2656	Sodium chromate decahydrate	13517-17-4	S						3
2657	Sodium chromate tetrahydrate	10034-82-9	S	dec.					
2658	Sodium chromate(VI); (Disodium chromate)	7775-11-3	S	792				2.72	3
2659	Sodium citrate; (Monosodium citrate)	18996-35-5	S						3
2660	Sodium cobaltinitrite	13600-98-1	S						D
2661	Sodium cyanide	143-33-9	S	563,7	1496	1	817		3
2662	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	S						3
2663	Sodium deuteroxide	14014-06-3	S						
2664	Sodium dichromate dihydrate	7789-12-0	S	loses H2O at 100	400 dec			2.35 @ 13C	3
2665	Sodium dichromate; (Disodium dichromate)	10588-01-9	S	356.7	400 dec			2.35 @ 13 C	3
2666	Sodium diethyldithiocarbamate trihydrate	20624-25-3	S	95				1.1 @ 20C	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2667	Sodium diethyldithiocarbamate; (Diethyldithiocarbami acid, sodium salt)	148-18-5	SGJ000	171.27	mg/m³	N	7.00	C5H10NS2.Na
2668	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	N.I.S.	119.88	mg/m³	Y	4.90	Na.H3.O4.P
2669	Sodium dithionate dihydrate	7631-94-9	N.I.S. etc.	242.14	mg/m³	N	9.90	Na2.S2.O6..2H2O
2670	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	DXW200	348.52	mg/m³	Y	14.24	C18H29O3S. Na
2671	Sodium ethoxide	141-52-6				Y		C2.H5.O.Na
2672	Sodium ferrocyanide	13601-19-9	SFZ000	303.93	mg/m³	N	12.42	C6-Fe-N6.4Na
2673	Sodium fluoride	7681-49-4	SHF500	41.99	mg/m³	Y	1.72	FNa
2674	Sodium formate	141-53-7	SHJ000	68.01	mg/m³	N	2.78	CHO2.Na
2675	Sodium gluconate	527-07-1	SHK800	219.17	mg/m³	N	8.96	C31H47O6.Na
2676	Sodium glycinate	6000-44-8	GHG000	97.06	ppm	Y	3.97	Na-C2-H4-N-O2
2677	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	SHT000	98.04	ppm	Y	4.01	Na-C2-H3-O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2667	Sodium diethyldithiocarbamate; (Diethyldithiocarbami acid, sodium salt)	148-18-5	S	95				1.1 @ 20 C	3
2668	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	S		204 dec			2.04	
2669	Sodium dithionate dihydrate	7631-94-9	S	110	267 dec			2.19	
2670	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	S						3
2671	Sodium ethoxide	141-52-6	S hygr	260 dec		< 0.1	20		3
2672	Sodium ferrocyanide	13601-19-9	S					1.458	
2673	Sodium fluoride	7681-49-4	S	996	1695	1	1077	2.558 @ 41 C	3
2674	Sodium formate	141-53-7	S del	259-261				1.92	2
2675	Sodium gluconate	527-07-1	S hygr						3
2676	Sodium glycinate	6000-44-8	S						2
2677	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	S						1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2678	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	N.I.S.	184.38	mg/m³	N	7.54	C6.H9.N.Si2..Na
2679	Sodium hydride	7646-69-7	SHO500	24.00	mg/m³	Y	0.98	Na-H
2680	Sodium hydrogen lead oxide	z-0067	SFZ000	263.20	mg/m³	N	10.76	Na-H-Pb-O2
2681	Sodium hydrogen metasilicate	z-0068	SFZ000	100.08	mg/m³	N	4.09	Na-H-Si-O3
2682	Sodium hydrogen pyrophosphate	z-0069	SFZ000	243.92	mg/m³	N	9.97	Na3-H-P2-O7
2683	Sodium hydrosulfite	7775-14-6	SHR500	174.10	mg/m³	N	7.12	O4S2.2Na
2684	**Sodium hydroxide**	**1310-73-2**	SHS500	40.00	mg/m³	Y	1.63	Na.OH
2685	Sodium hypochlorite	7681-52-9	SHU500	75.45	mg/m³	Y	3.08	ClHO.Na
2686	Sodium hypochlorite pentahydrate	10022-70-5	SHU525	165.55	mg/m³	Y	6.77	ClHO.Na.5H2O
2687	Sodium hypophosphite	7681-53-0	SHV000	87.98	mg/m³	N	3.60	H2.O2.P..Na
2688	Sodium hypophosphite hydrate	123333-67-5	N.I.S. etc.		mg/m³	N		Na..H2.O2.P-hydrate

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2678	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	S						
2679	Sodium hydride	7646-69-7	S	800 decom				0.9	3
2680	Sodium hydrogen lead oxide	z-0067	S						
2681	Sodium hydrogen metasilicate	z-0068	S						
2682	Sodium hydrogen pyrophosphate	z-0069	S						
2683	Sodium hydrosulfite	7775-14-6	S	55 dec					3
2684	**Sodium hydroxide**	**1310-73-2**	S del	318.3	1390	1	739	2.13	3
2685	Sodium hypochlorite	7681-52-9	S	18					3
2686	Sodium hypochlorite pentahydrate	10022-70-5	L					1.21 @ 20 C	1
2687	Sodium hypophosphite	7681-53-0	S						3
2688	Sodium hypophosphite hydrate	123333-67-5	S hygr	dec					3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2689	Sodium iodate	7681-55-2	SHV500	197.89	mg/m³	Y	8.09	Na-I-O3
2690	Sodium iodide	7681-82-5	SHW000	149.89	mg/m³	Y	6.13	Na-I
2691	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	SIA500	81.07	mg/m³	N	3.31	Na..C.N.S
2692	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	LAM000	112.07	mg/m³	N	4.580	C3.H5.O3..Na
2693	Sodium lanthanate	z-0070	SFZ000	229.92	mg/m³	N	9.40	Na-La-(OH)4
2694	Sodium lauryl sulfate	151-21-3	SIB600	289.43	mg/m³	Y	11.83	C12H26O4S. Na
2695	Sodium metabisulfite	7681-57-4	SII000	190.10	mg/m³	N	7.77	Na2.S2O5
2696	Sodium metaborate	7775-19-1	SII100	66.81	mg/m³	N	2.73	Na-B-H-O2
2697	Sodium metaphosphate	10361-03-2	SII500	101.96	mg/m³	N	4.17	NaP.O3
2698	Sodium metasilicate	z-0071	SFZ000	122.07	mg/m³	Y	4.99	H2.O3.Si..2Na
2699	Sodium metasilicate nonahydrate	13517-24-3	SFZ000	286.22	mg/m³	N	11.70	H2O3.Si.2Na.9H2O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2689	Sodium iodate	7681-55-2	S	dec				4.277 @ 17.5C	3
2690	Sodium iodide	7681-82-5	S	660	1304	1	767	3.667	2
2691	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	S deliq	287					3
2692	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	S hygr						2
2693	Sodium lanthanate	z-0070	S						
2694	Sodium lauryl sulfate	151-21-3	S						3
2695	Sodium metabisulfite	7681-57-4	S	150 dec				1.4	3
2696	Sodium metaborate	7775-19-1	S	966	1434			2.464	2
2697	Sodium metaphosphate	10361-03-2	S						2
2698	Sodium metasilicate	z-0071						2.614	1
2699	Sodium metasilicate nonahydrate	13517-24-3	S	1089				2.614	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2700	Sodium metavanadate; (Sodium vanadate)	13718-26-8	SKP000	121.93	mg/m³	N	4.98	O3V.Na
2701	Sodium methylate	124-41-4	SIK450	54.03	mg/m³	Y	2.21	CH3O.Na
2702	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	DXE875	241.95	mg/m³	N	9.89	Na2MoO4.2H2O
2703	Sodium monoxide; (Sodium oxide)	12401-86-4	SIN500	61.98	mg/m³	Y	2.53	Na2.O
2704	Sodium nickel oxide (Liquid)	37367-09-2	SFZ000	136.67	mg/m³	N	5.59	Na2.Ni.O2
2705	Sodium nickelate (Liquids)	z-0073	SFZ000	172.70	mg/m³	N	7.06	Na2.Ni.(O.H)4
2706	Sodium nickelate (Solids)	z-0074	SFZ000	172.70	mg/m³	N	7.06	Na2.Ni.(O.H)4
2707	Sodium nitrate	7631-99-4	SIO900	85.00	mg/m³	Y	3.47	Na.N.O3
2708	Sodium nitrite	7632-00-0	SIQ500	69.00	mg/m³	Y	2.82	Na.N.O2
2709	Sodium nitroferricyanide	14402-89-2	SIU500	261.94	mg/m³	N	10.71	C5.Fe.N6.O..2Na
2710	Sodium o-benzyl-p-chlorophenate	3184-65-4	SFB200	241.68	mg/m³	N	9.88	C13-H11-Cl-O-Na

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2700	Sodium metavanadate; (Sodium vanadate)	13718-26-8	S	630					3
2701	Sodium methylate	124-41-4	S	>300	127dec				3
2702	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	S					3.5	3
2703	Sodium monoxide; (Sodium oxide)	12401-86-4	S		1275 subl			2.27	3
2704	Sodium nickel oxide (Liquid)	37367-09-2	L						
2705	Sodium nickelate (Liquids)	z-0073	L						
2706	Sodium nickelate (Solids)	z-0074	S						
2707	Sodium nitrate	7631-99-4	S	306.8	380 dec			2.261	3
2708	Sodium nitrite	7632-00-0	S hygr	271	320 dec			2.168	3
2709	Sodium nitroferricyanide	14402-89-2	S						3
2710	Sodium o-benzyl-p-chlorophenate	3184-65-4	S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2711	Sodium orthovanadate	13721-39-6	SIY250	183.91	mg/m³	Y	7.52	Na3-V-O4
2712	Sodium oxalate	62-76-0	SIY500	134.00	mg/m³	N	5.48	Na2C2O4
2713	Sodium pentachlorophenate	131-52-2	SJA000	288.30	mg/m³	N	11.78	C6Cl5O.Na
2714	Sodium perchlorate	7601-89-0	PCE750	122.44	mg/m³	N	5.00	ClO4.Na
2715	Sodium perchlorate monohydrate	7791-07-3	SJB450	140.46	mg/m³	N	5.74	Cl.O4.Na..H2O
2716	Sodium permanganate	10101-50-5	SJC000	141.93	mg/m³	N	5.801	Mn.O4..Na
2717	Sodium peroxide	1313-60-6	SJC500	77.98	mg/m³	Y	3.19	Na2.O2
2718	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	SJD500	273.19	mg/m³	N	11.17	NaO4.Re
2719	Sodium persulfate	7775-27-1	SJE000	238.10	mg/m³	Y	9.73	2Na..S2.O8
2720	Sodium pertechnetate	13718-28-0	N.I.S. etc.	184.99	mg/m³	N	7.56	NaTcO4
2721	Sodium phosphate	7632-05-5	N.I.S.	258.93	mg/m³	N	10.58	H3.O4.P..x Na

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2711	Sodium orthovanadate	13721-39-6	S	850-866					3
2712	Sodium oxalate	62-76-0	S	250-270	dec			2.34	3
2713	Sodium pentachlorophenate	131-52-2	S						3
2714	Sodium perchlorate	7601-89-0	S	482 dec				2.02	3
2715	Sodium perchlorate monohydrate	7791-07-3	S	130				2.02	2
2716	Sodium permanganate	10101-50-5	S					1.972	3
2717	Sodium peroxide	1313-60-6	S	460 dec	657 dec			2.805	3
2718	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	S	420					2
2719	Sodium persulfate	7775-27-1	S	100 dec				2.4	3
2720	Sodium pertechnetate	13718-28-0	S						
2721	Sodium phosphate	7632-05-5	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2722	Sodium phosphate, dibasic	7558-79-4	SJH090	141.96	mg/m³	Y	5.80	HO4P.2Na
2723	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	SFZ000	358.20	mg/m³	Y	14.64	HO4P.2Na.12H2O
2724	Sodium phosphate, dibasic, heptahydrate	7782-85-6	SFZ000	383.05	mg/m³	N	15.66	HO4P.2Na.7H2O
2725	Sodium phosphate, monobasic	7558-80-7	SJH100	119.98	mg/m³	Y	4.90	Na-H2-P-O4
2726	Sodium phosphate, tribasic	7601-54-9	SJH200	163.94	mg/m³	Y	6.70	Na3PO4
2727	Sodium phosphate, tribasic, dodecahydrate	10101-89-0	SFZ000	380.18	mg/m³	N	15.54	Na3PO4. 12H2O
2728	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8	SHM500	611.76	mg/m³	Y	25.00	O18P6.6Na
2729	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	SKM500	305.88	mg/m³	N	12.50	3Na.(PO3)3
2730	Sodium polyphosphate	68915-31-1	N.I.S.	611.77	mg/m³	N	25.00	Na6.O18.P6
2731	Sodium polytungstate	12141-67-2	N.I.S.	2986.13	mg/m³	N	122.05	H2.O40.W12-6Na
2732	Sodium potassium tartrate tetrahydrate	6381-59-5	N.I.S.	282.22	mg/m³	N	11.53	C4.H4.K.Na.O6..4H2O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2722	Sodium phosphate, dibasic	7558-79-4	S	240dec					
2723	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	S						
2724	Sodium phosphate, dibasic, heptahydrate	7782-85-6	S hygr		loses 5.H2O @ 48C				1
2725	Sodium phosphate, monobasic	7558-80-7	S						3
2726	Sodium phosphate, tribasic	7601-54-9	S					1.62	2
2727	Sodium phosphate, tribasic, dodecahydrate	10101-89-0	S						
2728	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8	S						3
2729	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	S						3
2730	Sodium polyphosphate	68915-31-1							
2731	Sodium polytungstate	12141-67-2	S						
2732	Sodium potassium tartrate tetrahydrate	6381-59-5	S	90 - 100	200			1.77	

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2733	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	SJK385	210.16	mg/m³	N	8.59	C4.H4.K.Na.O6
2734	Sodium p-tert-amylphenate; (4-(1,1-dimethylpropyl)phenol, sodium salt)	31366-95-7	SFZ000	186.25	mg/m³	N	7.61	C11-H15-O.Na
2735	Sodium pyrophosphate decahydrate	13472-36-1	N.I.S. etc.	446.10	mg/m³	Y	18.23	2Na.H2.O7.P2..10 H2O
2736	Sodium pyrophosphate, di-	7758-16-9	DXF800	221.94	mg/m³	Y	9.07	H2O7P2.Na2
2737	Sodium pyruvate (pyruvic acid, sodium salt)	113-24-6	N.I.S.	110.05	mg/m³	N	4.498	C3.H3.O5.Na
2738	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	SJO000	160.11	mg/m³	Y	6.544	C7.H5.Na.O3
2739	Sodium selenate; (Disodium selenate)	13410-01-0	DXG000	188.94	mg/m³	N	7.72	SeO4.2Na
2740	Sodium selenite	10102-18-8	SJT500	172.94	mg/m³	N	7.07	SeO3.2Na
2741	Sodium silicate; (Sodium metasilicate)	6834-92-0	SJU000	122.07	mg/m³	Y	4.99	O3.Si..2Na
2742	Sodium stannate	12058-66-1	SFZ000	212.69	mg/m³	N	8.69	Na2-Sn-O3
2743	Sodium stearate	822-16-2	SJV500	306.52	mg/m³	N	12.53	C18H36O2.Na

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2733	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	S pwdr	90 - 100	200			1.77	D
2734	Sodium p-tert-amylphenate; (4-(1,1-dimethylpropyl)phenol, sodium salt)	31366-95-7							
2735	Sodium pyrophosphate decahydrate	13472-36-1	S						3
2736	Sodium pyrophosphate, di-	7758-16-9	S	220 dec				1.862	3
2737	Sodium pyruvate (pyruvic acid, sodium salt)	113-24-6	S	300					0
2738	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	S	200					3
2739	Sodium selenate; (Disodium selenate)	13410-01-0	S/L					3.098	3
2740	Sodium selenite	10102-18-8	S	710					3
2741	Sodium silicate; (Sodium metasilicate)	6834-92-0	L/S	1089				1.1 to 1.7 @15 C	3
2742	Sodium stannate	12058-66-1	S						
2743	Sodium stearate	822-16-2	S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2744	Sodium strontium phosphate	19553-80-1	SFZ000	205.58	mg/m³	N	8.40	Na..Sr.PO4
2745	Sodium succinate	150-90-3	SJW100	162.06	ppm	N	6.62	Na2.C4.H4.O4
2746	Sodium succinate, hexahydrate	6106-21-4	N.I.S., etc.	270.14	mg/m³	N	11.04	2Na.C4.H4.O4.. 6(H2.O)
2747	Sodium sulfate, anhydrous	7757-82-6	SJY000	142.04	mg/m³	N	5.81	Na2.S.O4
2748	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	SHR000	56.06	mg/m³	Y	2.29	H.Na.S
2749	Sodium sulfide	1313-82-2	SJY500	78.04	mg/m³	N	3.19	Na2.S
2750	Sodium sulfide nonahydrate	1313-84-4	N.I.S.	240.22	mg/m³	N	9.82	Na2.S..9H2O
2751	Sodium sulfite	7757-83-7	SJZ000	126.04	mg/m³	N	5.15	O3.S.2Na
2752	Sodium tartrate dihydrate	6106-24-7	N.I.S. etc.	230.08	mg/m³	N	9.40	C4.H8.Na2.O8
2753	Sodium tellurate	10101-83-4	SKC000	237.58	mg/m³	N	9.71	2Na..Te.O4
2754	Sodium tellurite	10102-20-2	SKC500	221.58	mg/m³	N	9.06	Te.O3.2Na

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2744	Sodium strontium phosphate	19553-80-1	S						
2745	Sodium succinate	150-90-3	L						1
2746	Sodium succinate, hexahydrate	6106-21-4	L						
2747	Sodium sulfate, anhydrous	7757-82-6	S	888				2.671	2
2748	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	S	350					3
2749	Sodium sulfide	1313-82-2	S deliq	1172				1.856	3
2750	Sodium sulfide nonahydrate	1313-84-4	S	~50	1124 dec			1.427 @ 16C	3
2751	Sodium sulfite	7757-83-7	S	dec				2.633	3
2752	Sodium tartrate dihydrate	6106-24-7	S	150 dehydrat				1.8	
2753	Sodium tellurate	10101-83-4	S						3
2754	Sodium tellurite	10102-20-2	S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2755	Sodium tetrafluoroborate(1-)	13755-29-8	SKE000	109.80	mg/m³	N	4.49	B.F4..Na
2756	Sodium tetraphenyl borate	143-66-8	SFZ000	342.23	mg/m³	Y	13.99	C24.H20.B.Na
2757	Sodium thiosulfate	7772-98-7	SKI000	158.10	mg/m³	N	6.46	O3.S2.2Na
2758	Sodium thiosulfate pentahydrate	10102-17-7	SKI500	248.20	mg/m³	N	10.14	Na2.S2.O3..5H2O
2759	Sodium titanate	12034-34-3	N.I.S.	141.84	mg/m³	N	5.797	Ti..Na2.O3
2760	Sodium tridecylbenzene sulfonate	26248-24-8	N.I.S.	362.45	mg/m³	N	14.81	C19.H3.Na.O3.S
2761	Sodium triethylborohydride	17979-81-6	N.I.S., etc.	121.99	mg/m³	N	4.986	(C2.H5)3Na.B.H
2762	Sodium trihydrogen silicate	z-0076	SFZ000	118.10	mg/m³	N	4.83	Na-H3-Si-O4
2763	Sodium tripolyphosphate	7758-29-4	SFZ000	367.86	mg/m³	N	15.03	Na5-P3-O10
2764	Sodium tungstate	13472-45-2	SKN500	293.83	mg/m³	N	12.01	O4W·2Na
2765	Sodium tungstate dihydrate	10213-10-2	SKO000	329.87	mg/m³	Y	13.48	2Na.W.O4..2 H2O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2755	Sodium tetrafluoroborate(1-)	13755-29-8	S	322	dec			2.47	2
2756	Sodium tetraphenyl borate	143-66-8	S						
2757	Sodium thiosulfate	7772-98-7	S		dec				2
2758	Sodium thiosulfate pentahydrate	10102-17-7	S	48				1.69	2
2759	Sodium titanate	12034-34-3	S						
2760	Sodium tridecylbenzene sulfonate	26248-24-8	S						
2761	Sodium triethylborohydride	17979-81-6	S					0.866	3
2762	Sodium trihydrogen silicate	z-0076	S						
2763	Sodium tripolyphosphate	7758-29-4	Pwdr	622					
2764	Sodium tungstate	13472-45-2	S	695				4.179	3
2765	Sodium tungstate dihydrate	10213-10-2	S	100 dec				3.25	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2766	Sodium uranate; (Sodium diuranate)	66018-57-3	SFZ000	742.00	mg/m³	Y	30.33	Na2.U2.O7..6(H2.O)
2767	Sodium uranium oxide monohydrate	13721-34-1	SFZ000	652.05	mg/m³	Y	26.65	Na2.U2.O7..H2.O
2768	Sodium uranyl carbonate	z-0078	SFZ000	376.01	mg/m³	Y	15.37	Na.U.O2..C.O3
2769	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	SFZ000	199.24	mg/m³	Y	8.14	.2Na.Zr.O3
2770	Sodium-Potassium	11135-81-2	PLS500	38.55	mg/m³	Y	1.58	Na..K
2771	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7	N.I.S.		mg/m³	N		C9 through C12
2772	Solvent Yellow 3	97-56-3	AIC250	225.32	mg/m³	N	9.21	C14H15N3
2773	**Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate, GD)**	**96-64-0**	SKS500	182.20	ppm	N	7.45	C7.H16.F.O2.P
2774	Sorbitan monolaurate; (D-Glucitol,-1,4-anhydro-,-6-dodecanoate-)	5959-89-7	N.I.S., etc.	346.46	mg/m³	N	14.160	C18.H34.O6
2775	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8	PKL030	1311.90	mg/m³	N	53.62	C64.H128.O26
2776	Sorbitan trioleate	26266-58-0	N.I.S.	957.68	mg/m³	N	39.142	C60.H108.O8

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2766	Sodium uranate; (Sodium diuranate)	66018-57-3	S						3
2767	Sodium uranium oxide monohydrate	13721-34-1	S						3
2768	Sodium uranyl carbonate	z-0078	S						
2769	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	S						
2770	Sodium-Potassium	11135-81-2	L/S						3
2771	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7	L		140-220				
2772	Solvent Yellow 3	97-56-3	L	100			8E-07		3
2773	**Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate, GD)**	**96-64-0**	L	-42	167	0.4	25	1.022 @ 20C	3
2774	Sorbitan monolaurate; (D-Glucitol,-1,4-anhydro-,-6-dodecanoate-)	5959-89-7							
2775	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8	L						2
2776	Sorbitan trioleate	26266-58-0	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2777	Sorbitan, monolaurate	1338-39-2	SKV000	346.52	mg/m³	N	14.16	C18.H34.O6
2778	Sorbitan, monooleate	1338-43-8	SKV100	428.68	mg/m³	Y	17.52	C24.H44.O6
2779	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6	PKL100		mg/m³	N		
2780	Sorbitan, monostearate	1338-41-6	SKV150	430.70	mg/m³	N	17.60	C24.H46.O6
2781	Sorbitol, d-; (d-Glucitol)	50-70-4	SKV200	182.20	mg/m³	N	7.45	C6.H14.O6
2782	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5	FEV000	332.32	mg/m³	Y	13.58	C20.H12.O5
2783	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	SLG800	410.72	mg/m³	N	16.787	C30.H50
2784	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	TGC250	260.49	mg/m³	Y	10.65	Sn.Cl4
2785	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	TGC000	189.59	mg/m³	N	7.75	Sn.Cl2
2786	Stannous octoate	301-10-0	N.I.S.	405.12	mg/m³	Y	16.558	C16.H30.O4.Sn
2787	Starch dust	9005-25-8	SLJ500		mg/m³	N		

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2777	Sorbitan, monolaurate	1338-39-2	S						1
2778	Sorbitan, monooleate	1338-43-8	L					0.986	1
2779	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6	L					1.06-1.10	2
2780	Sorbitan, monostearate	1338-41-6	S	49-65				1.0	1
2781	Sorbitol, d-; (d-Glucitol)	50-70-4	S	97.5	105			1.489 @ 20C	1
2782	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5	S	314-316					3
2783	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	L	-75	285 @ 25 mm	2	240	0.858	2
2784	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	L	-33	114.1	10	10	2.232	3
2785	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	S	246	623			2.71	3
2786	Stannous octoate	301-10-0	S					1.251	2
2787	Starch dust	9005-25-8	S	dec				1.45	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2788	**Stibine**	**7803-52-3**	SLQ000	124.78	ppm	Y	5.10	SbH3
2789	Stilbene	588-59-0	SLR000	180.26	mg/m³	N	7.37	C14H12
2790	Stilbene 3; (Stilbene 420; Tinopal CBS, Disodium 4,4' bis(2-sulfostyryl)biphenyl)	27344-41-8	TGE150	562.58	mg/m³	N	22.99	C28H20O6S2.2Na
2791	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	SLU500	127.08	mg/m³	Y	5.19	[Unspecified]
2792	Strontium	7440-24-6	SMD500	87.62	mg/m³	N	3.58	Sr
2793	Strontium carbonate	1633-05-2	SMH500	147.63	mg/m³	N	6.03	Sr-C-O3
2794	Strontium chloride	10476-85-4	SMG500	158.52	mg/m³	N	6.48	Sr.Cl2
2795	Strontium hydroxide	18480-07-4	SMH500	121.63	mg/m³	N	4.97	Sr-(OH)2
2796	Strontium nitrate	10042-76-9	SMK000	211.64	mg/m³	Y	8.65	Sr(NO3)2
2797	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	SMH500	179.62	mg/m³	N	7.34	Sr-(N-O2)2
2798	Strontium oxalate	814-95-9	SMH500	175.64	mg/m³	N	7.18	Sr-C2-O4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2788	**Stibine**	**7803-52-3**	G	-88	-18.4	>760		2.26 @ -25	3
2789	Stilbene	588-59-0	S	124-125	306-307			0.9707	3
2790	Stilbene 3; (Stilbene 420; Tinopal CBS, Disodium 4,4' bis(2-sulfostyryl)biphenyl)	27344-41-8	S						2
2791	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	L		220-300			1.0	3
2792	Strontium	7440-24-6	S	757	1366	10	898	2.6	3
2793	Strontium carbonate	1633-05-2	S	1494	dec			3.5	
2794	Strontium chloride	10476-85-4	S	874	1250			3.052	3
2795	Strontium hydroxide	18480-07-4	S						
2796	Strontium nitrate	10042-76-9	S	570	645			2.986	2
2797	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	S						
2798	Strontium oxalate	814-95-9	S						

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2799	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	SMH500	452.80	mg/m³	N	18.51	Sr3-(P-O4)2
2800	Strontium sulfate	7759-02-6	SMH500	185.70	mg/m³	N	7.59	Sr-H2-SO4
2801	Strychnine	57-24-9	SMN500	334.45	mg/m³	N	13.67	C21H22N2O2
2802	Strychnine sulfate (2:1)	60-41-3	SMP000	383.49	mg/m³	N	15.67	C21H22N2O2. 1/2H2O4S
2803	**Styrene**	**100-42-5**	SMQ000	104.16	ppm	Y	4.26	C6.H5. CH=CH2
2804	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	EBR000	120.16	ppm	Y	4.91	C8H8O
2805	Styrene-allyl alcohol copolymer	25119-62-4	N.I.S.		mg/m³	N		(C8.H8..C3.H6.O)x
2806	Styrenesulfonate), Poly(Sodium 4-	25704-18-1	SJK375	70000	mg/m³	N	2860.996	C8.H8.O3.S..Na)n
2807	Succinic acid	110-15-6	SMY000	118.10	mg/m³	Y	4.83	C4.H6.O4
2808	Succinic anhydride	108-30-5	SNC000	100.08	mg/m³	Y	4.09	C4.H4.O3
2809	Sucrose	57-50-1	SNH000	342.34	mg/m³	N	13.99	C12.H22.O11

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2799	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	S						
2800	Strontium sulfate	7759-02-6	S	1605				3.71-3.97	1
2801	Strychnine	57-24-9	S	268	270			1.359 @ 18 C	3
2802	Strychnine sulfate (2:1)	60-41-3	S	200	270 @ 5 mm	0.00000001	25	1.36 @ 20 C	3
2803	**Styrene**	**100-42-5**	L	-30.6	145	5	20	0.9074	3
2804	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	L	-36.7	194.2	0.3	20	1.0469 @ 25 C	3
2805	Styrene-allyl alcohol copolymer	25119-62-4	S						
2806	Styrenesulfonate), Poly(Sodium 4-	25704-18-1	S	460 dec				0.801	1
2807	Succinic acid	110-15-6	S	185	235			1.154 @ 15C	2
2808	Succinic anhydride	108-30-5	S	119.6	261	1	92	1.104	2
2809	Sucrose	57-50-1	S	185.5				1.585 @ 17 C	1

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2810	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6	SNH050	847.02	mg/m³	N	34.62	C40.H62.O19
2811	Sulfamic acid	5329-14-6	SNK500	97.10	mg/m³	Y	3.97	H3NO3S
2812	Sulfanilamide	63-74-1	SNM500	172.22	mg/m³	N	7.04	C6.H8.N2.O2.S
2813	Sulfanilic acid	121-57-3	SNN600	173.20	mg/m³	Y	7.08	C6.H7.N.O3.S
2814	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	N.I.S.		mg/m³	N		Organic. (SO2OH)n
2815	Sulfonylbis-ethanol, 2,2'-	2580-77-0	N.I.S.	154.19	mg/m³	N	6.30	C4.H10.O4.S
2816	Sulfosalicylic acid	97-05-2	SOC500	218.19	mg/m³	Y	8.92	C7H6O6S
2817	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	N.I.S.	254.21	mg/m³	N	10.39	C7.H10.O8.S
2818	Sulfotep; (TEDP)	3689-24-5	SOD100	322.34	mg/m³	Y	13.17	C8H20O5P2S2
2819	Sulfur	7704-34-9	SOD500	32.06	mg/m³	N	1.31	S
2820	**Sulfur dioxide**	**7446-09-5**	SOH500	64.06	ppm	Y	2.62	SO2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2810	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6	S					1.146 @ 25C 25°C	1
2811	Sulfamic acid	5329-14-6	S	205	dec			2.1	3
2812	Sulfanilamide	63-74-1	S	165.5				1.08	3
2813	Sulfanilic acid	121-57-3	S	288				1.485	1
2814	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	L						
2815	Sulfonylbis-ethanol, 2,2'-	2580-77-0	L			23.5	20	1.236	
2816	Sulfosalicylic acid	97-05-2	S	120					2
2817	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	S	108-110					
2818	Sulfotep; (TEDP)	3689-24-5	S	88	310	17000	25	1.19 @ 20 C	3
2819	Sulfur	7704-34-9	S	119	444.6	1	183.8	2.07	3
2820	**Sulfur dioxide**	**7446-09-5**	G	-75.6	-10	>760		1.434 liq @ 0 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2821	Sulfur hexafluoride	2551-62-4	SOI000	146.06	ppm	N	5.97	SF6
2822	**Sulfur monochloride**	**10025-67-9**	SON510	135.02	ppm	Y	5.52	S2Cl2
2823	Sulfur pentafluoride	5714-22-7	SOQ450	254.12	ppm	Y	10.39	F10S2
2824	Sulfur tetrafluoride	7783-60-0	SOR000	108.06	ppm	Y	4.42	F4S
2825	**Sulfur trioxide**	**7446-11-9**	SOR500	80.06	mg/m³	Y	3.27	O3S
2826	**Sulfuric acid**	**7664-93-9**	SOI500	98.08	mg/m³	Y	4.01	H2.SO4
2827	Sulfuric Acid D2; (Deuterosulfuric acid)	13813-19-9	N.I.S.	100.09	mg/m³	Y	4.091	D2.S.O4..D2.O
2828	Sulfurous acid	7782-99-2	SOO500	82.08	mg/m³	Y	3.35	H2-S-O3
2829	Sulfuryl chloride	7791-25-5	SOT000	134.96	ppm	Y	5.52	Cl2.O2.S
2830	Sulfuryl fluoride	2699-79-8	SOU500	102.06	ppm	Y	4.17	F2O2S
2831	Talc	14807-96-6	TAB750	96.33	mg/m³	Y	3.94	H2O3Si. 3/4Mg

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2821	Sulfur hexafluoride	2551-62-4	G	-51	1000 decomp	100		1.67 @ -100 C	1
2822	**Sulfur monochloride**	**10025-67-9**	L	-77	138	10	27.5	1.6885 @15.5	3
2823	Sulfur pentafluoride	5714-22-7	L	-53	26.7	561	25	2.08 @ 0 C	3
2824	Sulfur tetrafluoride	7783-60-0	G	-121	-38			1.95 @ -78C	3
2825	**Sulfur trioxide**	**7446-11-9**	L						3
2826	**Sulfuric acid**	**7664-93-9**	L	10.6	290	1	146	1.834	3
2827	Sulfuric Acid D2; (Deuterosulfuric acid)	13813-19-9	L					1.86	3
2828	Sulfurous acid	7782-99-2	L					1.03	3
2829	Sulfuryl chloride	7791-25-5	L	-54.1	69.1	100	17.8	1.6674	3
2830	Sulfuryl fluoride	2699-79-8	G	-137	-55	12000	21	1.7 @ -55 C	3
2831	Talc	14807-96-6	S					2.7-2.8	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2832	Tall oil (alkyd resin)	68333-62-0	N.I.S.		mg/m³	N		[Unspecified]
2833	Tantalum	7440-25-7	TAE750	180.95	mg/m³	Y	7.40	Ta
2834	Tantalum carbide	12070-06-3	N.I.S.	192.96	mg/m³	Y	7.89	Ta.C
2835	Tantalum(V) ethoxide	6074-84-6	N.I.S.	406.25	mg/m³	N	16.60	C10.H25.O5..Ta
2836	Tantalum(V) fluoride	7783-71-3	TAF250	275.95	mg/m³	N	11.28	TaF5
2837	Tantalum(V) oxide	1314-61-0	TAF500	441.90	mg/m³	Y	18.06	O5Ta2
2838	Tartaric acid	87-69-4	TAF750	150.10	mg/m³	N	6.13	C4H6O6
2839	Tartaric acid, monopotassium salt	868-14-4	PKU600	188.19	mg/m³	N	7.69	C4.H5.O6-K
2840	Tartaric acid, monosodium salt	526-94-3	N.I.S.	172.08	mg/m³	N	7.03	C4.H5.O6..Na
2841	Technetium(IV) oxide	12036-16-7	N.I.S. etc.	130.00	mg/m³	N	5.31	TcO2
2842	Tellurium	13494-80-9	TAJ000	127.60	mg/m³	N	5.22	Te

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2832	Tall oil (alkyd resin)	68333-62-0	L						
2833	Tantalum	7440-25-7	S	2996	5429			16.69	2
2834	Tantalum carbide	12070-06-3	S	3875	5500			14.5	
2835	Tantalum(V) ethoxide	6074-84-6	L	20	151			1.56	
2836	Tantalum(V) fluoride	7783-71-3	S	96.8	229.5	100	130	4.74	3
2837	Tantalum(V) oxide	1314-61-0	S	1872				8.2	1
2838	Tartaric acid	87-69-4	S	170-172				1.76	2
2839	Tartaric acid, monopotassium salt	868-14-4	S					1.954	1
2840	Tartaric acid, monosodium salt	526-94-3							
2841	Technetium(IV) oxide	12036-16-7	S						
2842	Tellurium	13494-80-9	S	450	990	1	520	6.24	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2843	Tellurium chloride	10026-07-0	TAJ250	269.40	mg/m³	N	11.01	Te.Cl4
2844	Tellurium hexafluoride	7783-80-4	TAK250	241.60	ppm	N	9.87	Te.F6
2845	Tellurium oxide; (Tellurium dioxide)	7446-07-3	TAJ750	159.60	mg/m³	N	6.52	Te.O2
2846	Tellurous acid	10049-23-7	TAJ500	177.61	mg/m³	N	7.26	H2-Te-O3
2847	Terbium	7440-27-9	N.I.S.	158.93	mg/m³	N	6.496	Tr
2848	Terbium oxide	12036-41-8	N.I.S.	365.85	mg/m³	N	14.95	Tb2-O3
2849	Terbium(III,IV) oxide	12037-01-3	N.I.S.	747.70	mg/m³	N	30.56	Tb4.O7
2850	Terbufos	13071-79-9	BSO000	288.45	mg/m³	N	11.79	C9H21O2PS3
2851	Terephthalic acid	100-21-0	TAN750	166.14	mg/m³	Y	6.79	C8.H6.O4
2852	Terephthaloyl chloride	100-20-9	TAV250	203.02	mg/m³	Y	8.30	C8H4O2.Cl2
2853	Terphenyl; p-	92-94-4	TBC750	230.32	mg/m³	Y	9.41	C18H14

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2843	Tellurium chloride	10026-07-0	?	224	380			3.26	D
2844	Tellurium hexafluoride	7783-80-4	G	-37.6 subl	-38.9 subl	>760		2.499liq @ -10 C	3
2845	Tellurium oxide; (Tellurium dioxide)	7446-07-3	S	733	1245			5.89	3
2846	Tellurous acid	10049-23-7	V						2
2847	Terbium	7440-27-9	S	1356	3230			8.234	3
2848	Terbium oxide	12036-41-8	S	2410				7.91	
2849	Terbium(III,IV) oxide	12037-01-3	S	2340					
2850	Terbufos	13071-79-9	L	-29	315	0.0003	25	1.105 @ 24 C	3
2851	Terephthalic acid	100-21-0	S		300 subl			1.51	2
2852	Terephthaloyl chloride	100-20-9	S	83-84	266				2
2853	Terphenyl; p-	92-94-4	S	212-213	259 @ 45 mm			1.234	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2854	Terphenyls; (Diphenylbenzene)	26140-60-3	TBD000	230.32	mg/m³	N	9.41	C18H14
2855	Tert butyllithium	594-19-4	BRR750	64.06	mg/m³	N	2.618	C4.H9.Li
2856	Tert-butyl alcohol; (tert-Butanol)	75-65-0	BPX000	74.14	ppm	N	3.03	C4H10O
2857	Tert-butyl benzoic acid, P-	98-73-7	BQK500	178.25	mg/m³	N	7.29	C11.H14.O2
2858	Tert-butylphenol, P-; (Tert-Butylphenol, 4-)	98-54-4	BSE500	150.24	mg/m³	Y	6.14	C10.H14.O
2859	Tert-butylpyridine, 4-	3978-81-2	N.I.S., etc.	135.21	mg/m³	N	5.526	C9.H13.N
2860	Tetraamminepalladium(II) nitrate	13601-08-6	TBI000	298.54	mg/m³	Y	12.20	[(H3N)4Pd]9NO3)2
2861	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	ACK250	345.68	ppm	Y	14.13	C2H2Br4
2862	Tetrabutyl ammonium phosphate	5574-97-0a	N.I.S.	339.46	mg/m³	N	13.87	C16-H36-N.H2-O4-P
2863	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	BSP250	340.42	ppm	N	13.91	Ti(OC4H9)4
2864	Tetrabutylammonium hydroxide	2052-49-5	TBK750	259.54	mg/m³	N	10.61	C16.H36.N..H.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2854	Terphenyls; (Diphenylbenzene)	26140-60-3							2
2855	Tert butyllithium	594-19-4	S subl @0.1 C		Subl @ 0.1 C				3
2856	Tert-butyl alcohol; (tert-Butanol)	75-65-0	L	25.5	82.8	40	24.5	0.781	3
2857	Tert-butyl benzoic acid, P-	98-73-7	S	164.5				1.142 @ 20C	2
2858	Tert-butylphenol, P-; (Tert-Butylphenol, 4-)	98-54-4	S	99	236-238	1	70	1.037	3
2859	Tert-butylpyridine, 4-	3978-81-2	L	-41	196.5			0.915	
2860	Tetraamminepalladium(II) nitrate	13601-08-6	S						2
2861	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	L	-1	151 @ 54 mm			2.9638	3
2862	Tetrabutyl ammonium phosphate	5574-97-0a							
2863	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	L	-55	155			0.993	3
2864	Tetrabutylammonium hydroxide	2052-49-5	L	25-40?				0.968	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2865	Tetrabutylammonium nitrate	1941-27-1	TBL250	304.54	mg/m³	Y	12.45	C16.H36.N..N.O3
2866	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	TBP050	203.82	ppm	N	8.330	C2.Cl4.F2
2867	Tetrachlorobenzene, 1,2,3,4-	634-66-2	TEN740	215.88	mg/m³	Y	8.82	C6H2Cl4
2868	Tetrachlorobenzene, 1,2,4,5-	95-94-3	TBN750	215.88	mg/m³	N	8.82	C6H2Cl4
2869	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	TBO850	305.96	mg/m³	N	12.51	C12H4Cl4O2
2870	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	TBO790	321.96	mg/m³	N	13.16	C12H4Cl4O2
2871	Tetrachloroethane (mixed isomers)	25322-20-7	TBP750	167.84	ppm	N	6.86	C2H2Cl4
2872	Tetrachloroethane, 1,1,1,2-	630-20-6	TBQ000	167.84	ppm	Y	6.86	C2H2Cl4
2873	Tetrachloroethane, 1,1,2,2-	79-34-5	TBQ100	167.84	ppm	N	6.86	CHCl2CHCl2
2874	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	N.I.S.	303.84	ppm	N	12.42	C4Cl4F6
2875	**Tetrachlorosilane; (Silicon chloride)**	**10026-04-7**	SCQ500	169.89	ppm	Y	6.94	SiCl4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2865	Tetrabutylammonium nitrate	1941-27-1	S hygr	118-120					3
2866	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	L/S	24.65	92.8			1.6447	3
2867	Tetrachlorobenzene, 1,2,3,4-	634-66-2	S	46-47	254	0.039	25	1.7	2
2868	Tetrachlorobenzene, 1,2,4,5-	95-94-3	S	138	245	<0.1	25	1.734	2
2869	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	S	227-228					3
2870	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	S						D
2871	Tetrachloroethane (mixed isomers)	25322-20-7	L						3
2872	Tetrachloroethane, 1,1,1,2-	630-20-6	L	-68.1	135.1	14	25	1.542	2
2873	Tetrachloroethane, 1,1,2,2-	79-34-5	L	-43.8	146.4	5	20	1.6	3
2874	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	G						2
2875	**Tetrachlorosilane; (Silicon chloride)**	**10026-04-7**	L	-70	57.57			1.482	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2876	Tetracosafluorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	N.I.S.	624.09	mg/m³	N	25.51	C14-F24
2877	Tetracyanoquinodimethane; (Ultima Gold AB)	1518-16-7	TBW750	204.20	mg/m³	N	8.35	C12H4N4
2878	Tetracycline hydrochloride	64-75-5	TBX250	280.94	mg/m³	N	11.48	C22H24N2O8.ClH
2879	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	N.I.S.	338.06	ppm	N	13.82	C6.F14
2880	Tetradecane, N-	629-59-4	TBX750	198.44	mg/m³	N	8.111	C14.H30
2881	Tetradecane; (N-tetradecane)	629-59-4	TBX750	198.44	ppm	Y	8.11	C14-H30
2882	Tetradecanoic acid; (Myristic acid)	544-63-8	MSA250	228.36	mg/m³	Y	9.33	C14-H28-O2
2883	Tetradecyltrimethylammonium bromide	1119-97-7	TCB200	336.47	mg/m³	N	13.75	C17.H38.N-Br
2884	Tetraethyl lead	78-00-2	TCF000	323.47	mg/m³	N	13.22	C8H20Pb
2885	**Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)**	**78-10-4**	EPF550	208.37	ppm	Y	8.52	SiC8H20O4
2886	Tetraethyl pyrophosphate; (TEPP)	107-49-3	TCF250	290.22	mg/m³	Y	11.86	C8.H20.O7.P2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2876	Tetracosafluorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	L		217				
2877	Tetracyanoquinodimethane; (Ultima Gold AB)	1518-16-7	S	293.5 subl					3
2878	Tetracycline hydrochloride	64-75-5	S	170-175	214 decom				3
2879	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	L	-88.2	56.6			1.6995 @ 20C	
2880	Tetradecane, N-	629-59-4	L	5.9	253.7	0.011625	25	0.7628 @ 20	2
2881	Tetradecane; (N-tetradecane)	629-59-4	L	5.5	253.7	0.0116	25	0.7628 @ 20 C	2
2882	Tetradecanoic acid; (Myristic acid)	544-63-8	S	54	326.2			0.8622 @ 54 C	3
2883	Tetradecyltrimethylammonium bromide	1119-97-7	S	245-250					3
2884	Tetraethyl lead	78-00-2	L	125-150	198-202	1	38.4	1.65918	3
2885	**Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)**	**78-10-4**	L	-77	165-166			0.933	3
2886	Tetraethyl pyrophosphate; (TEPP)	107-49-3	L	0	310	0.00047	25	1.2	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2887	Tetraethylammonium chloride	56-34-8	TCC250	165.74	mg/m³	N	6.77	C8.H20.N..Cl
2888	Tetraethylene Glycol	112-60-7	TCE250	194.26	mg/m³	Y	7.94	C8.H18.O5
2889	Tetraethylene glycol diacrylate	17831-71-9	ADT050	302.36	mg/m³	Y	12.358	C14.H22.O7
2890	Tetraethylenepentamine	112-57-2	TCE500	189.36	mg/m³	Y	7.74	C8H23N5
2891	Tetraethyltin; (Tetraethylstannane)	597-64-8	TCF750	234.97	mg/m³	Y	9.60	Sn.C8H20
2892	**Tetrafluoroethane, 1,1,1,2-; (HFC 134a)**	**811-97-2**	EEC100	102.04	ppm	N	4.17	CH2FCF3
2893	Tetrafluoroethane, 1,1,2,2- (HFC 134)	359-35-3	N.I.S.	102.03	ppm	N	4.170	C2.H2.F4
2894	**Tetrafluoroethylene**	**116-14-3**	TCH500	100.02	ppm	N	4.09	F2.C=CF2
2895	Tetrafluoroethylene, polymer; (Polytetrafluoroethylene Teflon)	9002-84-0	TAI250		mg/m³	N		(C2.F4)n
2896	Tetrafluorohydrazine	10036-47-2	TCI000	104.00	ppm	Y	4.25	F2NNF2
2897	Tetrahydro-2,5-dimethyl furan	1003-38-9	Used TCQ250	100.18	mg/m³	Y	4.09	C6H12O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2887	Tetraethylammonium chloride	56-34-8	S hygr.	39				1.08	3
2888	Tetraethylene Glycol	112-60-7	L	-6	327.3	1	153.9	1.1248 @ 20C	2
2889	Tetraethylene glycol diacrylate	17831-71-9	S	112				1.125	2
2890	Tetraethylenepentamine	112-57-2	L	-40	333	<0.01	20	0.998	3
2891	Tetraethyltin; (Tetraethylstannane)	597-64-8	L	-112	181	2	25	1.187 @ 23 C	3
2892	**Tetrafluoroethane, 1,1,1,2-; (HFC 134a)**	**811-97-2**	G		-26.2	96	25	1.21 liq	1
2893	Tetrafluoroethane, 1,1,2,2- (HFC 134)	359-35-3	G	-89	-19.9				
2894	**Tetrafluoroethylene**	**116-14-3**	G	-142	-78.4	>760			3
2895	Tetrafluoroethylene, polymer; (Polytetrafluoroethylene Teflon)	9002-84-0	S	342				2.1-2.3	2
2896	Tetrafluorohydrazine	10036-47-2	G	-163	-73			1.5 @ -100 C	3
2897	Tetrahydro-2,5-dimethyl furan	1003-38-9	L						3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2898	**Tetrahydrofuran**	**109-99-9**	TCR750	72.12	ppm	Y	2.95	C4H8O
2899	Tetrahydrofuran-d8	1693-74-9	N.I.S., etc.	80.16	ppm	N	3.276	C4.D8.O
2900	Tetrahydronaphthalene, 1,2,3,4- (tetralin)	119-64-2	TCX500	132.22	ppm	Y	5.404	C10.H12
2901	Tetrahydropyridine, 1,2,3,6-	694-05-3	N.I.S. etc.	83.13	ppm	N	3.40	C5.H9.N
2902	Tetramethoxypropane, 1,1,3,3-: (Malonaldehyde bis(dimethyl acetal))	102-52-3	N.I.S.	164.20	mg/m³	N	6.711	C7.H16.O4
2903	**Tetramethoxysilane; (Methyl silicate)**	**681-84-5**	MPI750	152.25	ppm	Y	6.22	C4H12O4Si
2904	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	TDJ500	89.02	mg/m³	Y	3.64	C4.H12.N..B.H4
2905	Tetramethyl ethylene diamine	110-18-9	TDQ750	116.24	ppm	Y	4.75	C6.H16.N2
2906	Tetramethyl lead	75-74-1	TDR500	267.35	mg/m³	N	10.93	(CH3)4Pb
2907	Tetramethyl-1,3-butanediamine, n,n,n',n'-; (Tetramethyl butanediamine)	97-84-7	TDN000	144.30	mg/m³	Y	5.90	C8H20N2
2908	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	N.I.S.	184.28	mg/m³	N	7.532	C11.H20.O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2898	**Tetrahydrofuran**	**109-99-9**	L	-108.5	65.4	132	20	0.888	3
2899	Tetrahydrofuran-d8	1693-74-9	L	-106	65-66			0.985	3
2900	Tetrahydronaphthalene, 1,2,3,4- (tetralin)	119-64-2	L	-31	207.2	1	38	0.981	2
2901	Tetrahydropyridine, 1,2,3,6-	694-05-3	L	-48	108			0.911	
2902	Tetramethoxypropane, 1,1,3,3-: (Malonaldehyde bis(dimethyl acetal))	102-52-3	S		183			0.997	
2903	**Tetramethoxysilane; (Methyl silicate)**	**681-84-5**	L	4 to 5	120-121			1.03 @ 22 C	3
2904	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	S	150				0.813	3
2905	Tetramethyl ethylene diamine	110-18-9	L	-55	120 - 122			0.77	3
2906	Tetramethyl lead	75-74-1	L	-27.5	110	0.2	20	1.99	3
2907	Tetramethyl-1,3-butanediamine, n,n,n',n'-; (Tetramethyl butanediamine)	97-84-7	L						3
2908	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	L		93 @ 35 mm			0.883	

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2909	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	N.I.S.	226.12	mg/m³	N	9.24	C14H26O2
2910	Tetramethylammonium chloride	75-57-0	TDK000	109.62	mg/m³	N	4.48	C4.H12.N..Cl
2911	Tetramethylammonium hydroxide	75-59-2	TDK500	91.18	mg/m³	Y	3.73	C4H12N·HO
2912	Tetramethylammonium hydroxide pentahydrate	10424-65-4	N.I.S.	181.23	mg/m³	Y	7.41	C4.H23.N.O6
2913	Tetramethylammonium silicate	53116-81-7	N.I.S. etc.	211.32	mg/m³	N	8.637	(C.H3)4.N(O.H)..2Si.O2
2914	Tetramethylbenzene, 1,2,3,5-	527-53-7	TDM500	134.24	mg/m³	N	5.487	C10.H14
2915	Tetramethylbenzene, 1,2,4,5-	95-93-2	TDM750	134.24	mg/m³	N	5.49	C10.H14
2916	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7	TDM800	240.38	mg/m³	N	9.825	C16.H20.N2
2917	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	SNW500	120.18	mg/m³	N	4.912	C4.H8.O2.S
2918	Tetramethylsilane	75-76-3	TDV500	88.23	ppm	N	3.61	C4H12Si
2919	Tetrammonium fluoride trihydrate, (tetrabutylammonium fluoroborate)	429-41-4	N.I.S.	261.46	mg/m³	N	10.686	C16.H36.N..F

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2909	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	L		~80				
2910	Tetramethylammonium chloride	75-57-0	S hygr.	> 300					3
2911	Tetramethylammonium hydroxide	75-59-2	L					1	3
2912	Tetramethylammonium hydroxide pentahydrate	10424-65-4	S	65					
2913	Tetramethylammonium silicate	53116-81-7	L soln					1.07	
2914	Tetramethylbenzene, 1,2,3,5-	527-53-7	L	-24	197			0.896	3
2915	Tetramethylbenzene, 1,2,4,5-	95-93-2	S	79.3	196			0.838 @ 81C	3
2916	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7	S	168-169.5					3
2917	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	L/S	27.4-27.8	285			1.261	2
2918	Tetramethylsilane	75-76-3	L/S	-99	26-28			0.648	3
2919	Tetrammonium fluoride trihydrate, (tetrabutylammonium fluoroborate)	429-41-4	L soln					0.953	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2920	**Tetranitromethane**	**509-14-8**	TDY250	196.05	ppm	Y	8.01	C(NO2)4
2921	Tetraoxadodecane, 2,5,8,11-	112-49-2	TKL875	178.26	ppm	N	7.29	C8.H18.O4
2922	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Laurel alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	N.I.S.	362.55	mg/m³	N	14.82	C20.H42.O5
2923	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	TEA300	418.81	mg/m³	N	17.12	C24H20As.Cl
2924	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	N.I.S.	444.64	mg/m³	N	18.17	C10-H12-N2-O8.4K
2925	Tetrapropoxysilane	682-01-9	N.I.S.	264.43	mg/m³	Y	10.808	C12.H28.O4.Si
2926	Tetrapropylammonium hydroxide	4499-86-9	TED000	203.42	mg/m³	N	8.31	C12H28N.HO
2927	Tetrapropylorthotitanate	3087-37-4	N.I.S.	284.22	mg/m³	N	11.62	C12.H28.O4..Ti
2928	Tetrasodium pyrophosphate	7722-88-5	TEE500	265.90	mg/m³	N	10.87	O7P2.4Na
2929	Tetrazole, 1h-	288-94-8	TEF650	70.05	mg/m³	N	2.863	C.H2.N4
2930	Thallium	7440-28-0	TEI000	204.37	mg/m³	N	8.35	Tl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2920	**Tetranitromethane**	**509-14-8**	L	-49.4	126.1	8	20	1.650 @ 13 C	3
2921	Tetraoxadodecane, 2,5,8,11-	112-49-2	L	-45	216			0.986	3
2922	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Laurel alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	L		247 @ 10C				
2923	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	S	258-260					3
2924	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	S						
2925	Tetrapropoxysilane	682-01-9	L		94			0.913	2
2926	Tetrapropylammonium hydroxide	4499-86-9						1.012	3
2927	Tetrapropylorthotitanate	3087-37-4	S	206 @ 100mm	170 @ 38C			1.04	
2928	Tetrasodium pyrophosphate	7722-88-5	S	993				2.534	3
2929	Tetrazole, 1h-	288-94-8	S	156-158					3
2930	Thallium	7440-28-0	S	303.5	1457	1	825	11.85	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2931	Thallium chloride; (Thallium(I) chloride)	7791-12-0	TEJ250	239.82	mg/m³	N	9.80	TlCl
2932	Thallium hydroxide	12026-06-1	N.I.S.	221.39	mg/m³	N	9.05	Tl-OH
2933	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	TEK750	266.38	mg/m³	N	10.89	NO3.Tl
2934	Thallium nitrite	13826-63-6	N.I.S.	250.38	mg/m³	N	10.23	Tl-N-O2
2935	Thallium oxide	1314-12-1	TEL000	424.74	mg/m³	N	17.36	OTl2
2936	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	TEL750	1526.25	mg/m³	N	62.38	Tlx.SO4
2937	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	TEI250	263.42	mg/m³	N	10.77	Tl.C2H3O2
2938	Thallium(I) carbonate (2:1)	6533-73-9	TEJ000	468.75	mg/m³	N	19.16	Tl2CO3
2939	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	TEM000	504.80	mg/m³	N	20.63	Tl2.SO4
2940	Thallium(III) oxide	1314-32-5	TEL050	456.74	mg/m³	N	18.67	Ti2.O3
2941	Thallium(III) perchlorate hexahydrate	15596-83-5	N.I.S. etc.	610.83	mg/m³	Y	24.97	Tl.(Cl.O4)3..6H2.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2931	Thallium chloride; (Thallium(I) chloride)	7791-12-0	S	430	720	10	517	7.004 @ 30 C	3
2932	Thallium hydroxide	12026-06-1	S	139 dec				7.44	
2933	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	S	206	430			5.55	3
2934	Thallium nitrite	13826-63-6	S					5.7	
2935	Thallium oxide	1314-12-1	S	579	~1080			9.52	3
2936	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	S	632	decom			6.77	3
2937	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	S	131				3.68	3
2938	Thallium(I) carbonate (2:1)	6533-73-9	S	273	dec	<1E-6	25	7.11	3
2939	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	S	632	decom			6.77	3
2940	Thallium(III) oxide	1314-32-5	S	717	1196			9.65	3
2941	Thallium(III) perchlorate hexahydrate	15596-83-5	S						

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2942	Thallous malonate	2757-18-8	TEM399	510.79	mg/m³	N	20.88	2Tl.C3H2O4
2943	Thenoyltrifluoroacetone	326-91-0	N.I.S.	222.09	mg/m³	N	9.08	C8H5F3O2S
2944	Thioacetamide	62-55-5	TFA000	75.14	mg/m³	N	3.07	C2H5NS
2945	Thioacetic acid	507-09-5	TFA500	76.12	ppm	N	3.111	C2.H4.O.S
2946	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	DMN000	315.22	mg/m³	N	12.88	C14.H12.Cl2.O2.S
2947	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	TFE250	106.17	mg/m³	N	4.34	CH6N4S
2948	Thiocresol, p-; (p-Toluenethiol)	106-45-6	TGP250	124.21	mg/m³	N	5.077	C7.H8.S
2949	Thiocyanic acid, compound with guanidine (1:1); (Guanidene thiocyanate salt)	593-84-0	TFF250	118.18	mg/m³	N	4.83	C.H5.N3..C.H.N.S
2950	Thiodiglycol	111-48-8	TFI500	122.20	mg/m³	Y	4.99	C4H10O2S
2951	Thiofanox; (Dacamox)	39196-18-4	DAB400	218.35	mg/m³	N	8.92	NC9H18 N2O2S
2952	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	EPC500	248.26	mg/m³	N	10.15	C8H13N2O3PS

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2942	Thallous malonate	2757-18-8	S						3
2943	Thenoyltrifluoroacetone	326-91-0	S	40-44	96 @ 88 mm				
2944	Thioacetamide	62-55-5	S	113					3
2945	Thioacetic acid	507-09-5	L fuming	<-17	93			1.064	3
2946	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	S		443	0.0000001	25		3
2947	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	S	164					3
2948	Thiocresol, p-; (p-Toluenethiol)	106-45-6	S	43-44	195	0.807	25	1.2475 @ 55	3
2949	Thiocyanic acid, compound with guanidine (1:1); (Guanidene thiocyanate salt)	593-84-0	S	114-117					3
2950	Thiodiglycol	111-48-8	L	-16	164-166 @ 20mm			1.1847 @ 20C	2
2951	Thiofanox; (Dacamox)	39196-18-4	S	56.5->					3
2952	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	L	-1.7	80	0.003	30	1.204-1.210 @ 25 C	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2953	**Thionyl chloride**	**7719-09-7**	TFL000	118.96	ppm	Y	4.86	Cl2OS
2954	Thiophosphoryl chloride	3982-91-0	TFO000	169.38	mg/m³	N	6.923	Cl3.P.S
2955	Thiosemicarbazide	79-19-6	TFQ000	91.15	mg/m³	N	3.73	CH5N3S
2956	Thiourea	62-56-6	ISR000	76.13	mg/m³	Y	3.11	CH4N2S
2957	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	TFS350	240.44	mg/m³	Y	9.83	C6H12N2S4
2958	Thorium	7440-29-1	TFS750	232.00	mg/m³	N	9.48	Th
2959	Thorium hydroxide	13825-36-0	N.I.S.	300.07	mg/m³	N	12.26	Th(OH)4
2960	Thorium nitrite	z-0079	N.I.S.	416.03	mg/m³	N	17.00	Th(NO2)4
2961	Thorium oxalate	2040-52-0	N.I.S.	444.03	mg/m³	N	18.15	Th.C4.O8..2(H2.O)
2962	Thorium oxide; (Thorium dioxide)	1314-20-1	TFT750	264.00	mg/m³	N	10.79	O2Th

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2953	**Thionyl chloride**	**7719-09-7**	L	-105	78.8	100	21.4	1.640 @15.5C	3
2954	Thiophosphoryl chloride	3982-91-0	L	-35	125	16,35	25	1.635	3
2955	Thiosemicarbazide	79-19-6	S	182-184					3
2956	Thiourea	62-56-6	S	177	dec			1.405	3
2957	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	S	156	129 @ 20 C	0.000017	25	1.3	3
2958	Thorium	7440-29-1	S	1750	4500			11.72	3
2959	Thorium hydroxide	13825-36-0	S						
2960	Thorium nitrite	z-0079	S						
2961	Thorium oxalate	2040-52-0	S	300-400 dec.				4.637 @ 16C	
2962	Thorium oxide; (Thorium dioxide)	1314-20-1	S	3390	4400			9.7	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2963	Thorium perchlorate	16045-17-3	N.I.S. etc.	331.49	mg/m³	N	13.55	Th.Cl.O4
2964	Thorium(IV) nitrate	13823-29-5	TFT500	480.04	mg/m³	N	19.62	N4O12.Th
2965	Thulium	7440-30-4	TFW250	168.93	mg/m³	N	6.905	Tm
2966	Thulium chloride	13537-18-3	TFW500	275.28	mg/m³	Y	11.25	Tm.Cl3
2967	Thulium oxide	12036-44-1	N.I.S.	385.87	mg/m³	N	15.77	Tm2-O3
2968	Thymol blue; (6,6(3H-2,1-benzoxathiol-3-ylidene)dithymol,S,S-dioxide)	76-61-9	TFX850	466.63	mg/m³	N	19.07	C27.H30.O5.S
2969	Thyodene; (Amylodextrin)	9005-84-9	N.I.S.		mg/m³	N		[Unknown]
2970	Tin	7440-31-5	TGB250	118.71	mg/m³	N	4.85	Sn
2971	Tin fluoroborate	13814-97-6	N.I.S.	292.30	mg/m³	N	11.95	B2.F8..Sn
2972	Tin hydroxide	12026-24-3	N.I.S.	152.73	mg/m³	N	6.24	Sn-(OH)2
2973	Tin nitrate	41480-79-9	N.I.S. etc.	242.68	mg/m³	N	9.92	Sn-(N-O3)2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2963	Thorium perchlorate	16045-17-3	S						
2964	Thorium(IV) nitrate	13823-29-5	S	500 dec					3
2965	Thulium	7440-30-4	S	1545	1950			9.32	3
2966	Thulium chloride	13537-18-3	S	824	1440				3
2967	Thulium oxide	12036-44-1	S	2425				8.6	
2968	Thymol blue; (6,6(3H-2,1-benzoxathiol-3-ylidene)dithymol,S,S-dioxide)	76-61-9	S	223					D
2969	Thyodene; (Amylodextrin)	9005-84-9	S						
2970	Tin	7440-31-5	S	231.9	2625	1	1492	7.31	2
2971	Tin fluoroborate	13814-97-6	S						
2972	Tin hydroxide	12026-24-3	S						
2973	Tin nitrate	41480-79-9	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2974	Tin nitrite	z-0080	N.I.S. etc.	210.69	mg/m³	N	8.61	Sn-(N-O2)2
2975	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	TGC275	225.63	mg/m³	N	9.22	Sn.Cl..2H2.O
2976	Tin(II) oxide	1332-29-2	TGE300	150.69	mg/m³	N	6.16	Sn-O2
2977	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	TGF010	214.75	mg/m³	N	8.78	Sn..S.O4
2978	Tin(IV) isopropoxide	1184-61-8	N.I.S. etc.		mg/m³	Y		
2979	Tin(IV) oxide; (Stannic oxide)	18282-10-5	N.I.S.	150.69	mg/m³	N	6.16	Sn.O2
2980	Titanium	7440-32-6	TGF250	47.90	mg/m³	N	1.96	Ti
2981	Titanium aluminide	39410-63-4	N.I.S.	74.86	mg/m³	N	3.06	Ti.Al
2982	Titanium boride	12045-63-5	N.I.S.	69.50	mg/m³	N	2.84	Ti.B2
2983	Titanium carbide	12070-08-5	TGG000	59.91	mg/m³	N	2.45	Ti.C
2984	Titanium chloride	7705-07-9	TGG250	154.25	mg/m³	Y	6.30	Cl3Ti

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2974	Tin nitrite	z-0080	S						
2975	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	S	37.7	652			2.71	3
2976	Tin(II) oxide	1332-29-2	S	1630	1800+ subl			6.95	2
2977	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	S	378 dec				4.15	2
2978	Tin(IV) isopropoxide	1184-61-8	S						
2979	Tin(IV) oxide; (Stannic oxide)	18282-10-5	S	1630	1800 dec			6.95	
2980	Titanium	7440-32-6	S	1677	3277			4.5	3
2981	Titanium aluminide	39410-63-4	S						
2982	Titanium boride	12045-63-5	S	2593 - 2980	3899			4.5 - 4.53	
2983	Titanium carbide	12070-08-5	S	3067	4820			4.93	3
2984	Titanium chloride	7705-07-9	L	-30	136.4	10	21.3	1.772	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2985	Titanium hydride	7704-98-5	N.I.S.	49.92	mg/m³	N	2.04	Ti.H2
2986	Titanium oxide; (Titanium dioxide)	13463-67-7	TGG760	79.90	mg/m³	Y	3.27	O2Ti
2987	**Titanium tetrachloride**	**7550-45-0**	TGH350	189.70	ppm	Y	7.75	Ti.Cl4
2988	Titanium(II) oxide	12137-20-1	TGG500	63.88	mg/m³	N	2.61	TiO
2989	Titanium(III) fluoride	13470-08-1	TGG500	104.88	mg/m³	Y	4.29	TiF3
2990	Titanium-based alloy; (Titanium compounds)	z-0081	TGG500		mg/m³	N		[Unspecified]
2991	**Toluene**	**108-88-3**	TGK750	92.15	ppm	Y	3.77	C6.H5.CH3
2992	Toluene d8	2037-26-5	N.I.S. etc.	100.19	ppm	Y	4.095	C7.D8
2993	Toluene-1,3-diisocyanate	26471-62-5	TGM740	174.17	ppm	Y	7.12	C9H6N2O2
2994	**Toluene-2,4-diisocyanate; (TDI)**	**584-84-9**	TGM750	174.17	ppm	Y	7.12	CH3C6H3 (NCO)2
2995	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	TGM100	122.19	mg/m³	N	4.99	C7H10N2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2985	Titanium hydride	7704-98-5							
2986	Titanium oxide; (Titanium dioxide)	13463-67-7	S	18	1860 dec			4.26	1
2987	**Titanium tetrachloride**	**7550-45-0**	L	-24	136.4	12	25	1.726	3
2988	Titanium(II) oxide	12137-20-1	S						D
2989	Titanium(III) fluoride	13470-08-1	S	1200	1400			3.4	D
2990	Titanium-based alloy; (Titanium compounds)	z-0081	S						D
2991	**Toluene**	**108-88-3**	L	-95	111.1	20	18.3	0.866	3
2992	Toluene d8	2037-26-5	L	-84	110			0.94	
2993	Toluene-1,3-diisocyanate	26471-62-5							3
2994	**Toluene-2,4-diisocyanate; (TDI)**	**584-84-9**	S/L	21.7	251.1	0.01	25	1.2244	3
2995	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	S	105			2.13 kPa	150	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
2996	**Toluene-2,6-diisocyanate**	**91-08-7**	TGM800	174.17	ppm	Y	7.12	C9H6N2O2
2997	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	TGL750	122.19	mg/m³	Y	4.99	C7H10N2
2998	Toluenesulfonamide, P-; (Pasam)	70-55-3	TGN500	171.23	mg/m³	N	7.00	C7.H9.N.O2.S
2999	Toluenesulfonic acid, methyl ester, P-	80-48-8	MLL250	186.24	mg/m³	Y	7.61	C8.H10.O3.S
3000	Toluenesulfonyl chloride, p-	98-59-9	TGO250	190.64	mg/m³	Y	7.79	C7.H7.Cl.O2.S
3001	Toluenesulphonic acid monohydrate, para; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	N.I.S.	190.23	mg/m³	N	7.77	C7.H8.O3.S
3002	Toluenethiol, m-	108-40-7	TGO800	124.21	mg/m³	N	5.08	C7H8S
3003	Toluidine, m-; (2-Methylaniline)	108-44-1	TGQ500	107.17	ppm	Y	4.38	C7.H9.N
3004	Toluidine, o-	95-53-4	TGQ750	107.17	ppm	Y	4.38	C.H3.C6.H4..NH2
3005	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	TGR000	107.17	mg/m³	Y	4.38	C7.H9.N
3006	Toxaphene; (Chlorinated camphene)	8001-35-2	CDV100	413.80	mg/m³	Y	16.91	C10H10Cl8

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
2996	**Toluene-2,6-diisocyanate**	**91-08-7**	L		129-133 @18mm				3
2997	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	S	99	292	1	107		3
2998	Toluenesulfonamide, P-; (Pasam)	70-55-3		138 (anhyd); 105 (hydrate)	221 @ 10 mm Hg	0.000096	25		3
2999	Toluenesulfonic acid, methyl ester, P-	80-48-8	S	27.5	144.5 @5mm			1.230-1.238	3
3000	Toluenesulfonyl chloride, p-	98-59-9	S hygr	69 - 71	152 @ 20 mm	1	88	1.33	1
3001	Toluenesulphonic acid monohydrate, para; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	S	107	140 @ 20 mm				2
3002	Toluenethiol, m-	108-40-7							3
3003	Toluidine, m-; (2-Methylaniline)	108-44-1	L	-43.6	203.3	1	41	0.989	3
3004	Toluidine, o-	95-53-4	L	-14.4	200	0.3	20	1.004	3
3005	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	L	42	200.4	1	42	1.046 @ 20 C	3
3006	Toxaphene; (Chlorinated camphene)	8001-35-2	S	65-90				1.66 @ 27 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3007	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	BRG000	125.00	ppm	Y	5.11	C4H6Cl2
3008	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6	MQV800		mg/m³	Y		
3009	Tri(2-ethylhexyl) phosphate; (Tris(2-ethylhexyl)phosphate)	78-42-2	TNI250	434.72	mg/m³	Y	17.77	C24H51O4P
3010	Triacetin; (Triacetyl glycerin)	102-76-1	THM500	218.23	mg/m³	Y	8.92	C9H14O6
3011	Triamiphos	1031-47-6	AIX000	294.34	mg/m³	N	12.03	C12H19N6OP
3012	Triaryl sulfonium chloride salts	109037-76-5	N.I.S.	284.04	mg/m³	Y	11.61	C6.H6..Cl2.S2..Cl2
3013	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	THR820	219.33	mg/m³	N	8.96	C9H21N3O3
3014	Triazofos; (Triazophos)	24017-47-8	THT750	313.34	mg/m³	N	12.81	C12H16N3O3PS
3015	Tribenzylamine	620-40-6	N.I.S.	287.40	mg/m³	N	11.75	C21.H21.N
3016	Tributyl citrate	77-94-1	THY100	360.50	ppm	N	14.73	C18.H22.O7
3017	Tributyl phosphate	126-73-8	TIA250	266.36	ppm	Y	10.89	(C4H9)3.PO4

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3007	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	L	35797	156	6	25	1.183 @ 25 C	3
3008	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6	L		>154			0.889	3
3009	Tri(2-ethylhexyl) phosphate; (Tris(2-ethylhexyl)phosphate)	78-42-2	L	-74	226.9	0.03	20	0.9077	2
3010	Triacetin; (Triacetyl glycerin)	102-76-1	L	-78	258			1.161	3
3011	Triamiphos	1031-47-6	S	167-168	400	0.0000001	25		3
3012	Triaryl sulfonium chloride salts	109037-76-5	S						
3013	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	S						2
3014	Triazofos; (Triazophos)	24017-47-8	L	5	350	0.00001	25	1.25 @ 20 C	3
3015	Tribenzylamine	620-40-6	S	90-92	380-390			0.9912	
3016	Tributyl citrate	77-94-1	L	-20	233 @ 20C			1.05	2
3017	Tributyl phosphate	126-73-8	L	<-80.0	289 dec	0.07		0.982	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3018	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6	THY500	397.83	mg/m³	Y	16.26	C19H32Cl2P.Cl
3019	Tributyl-1-butanaminium iodide, N,n,n-; (Tetrabutylammonium iodide)	311-28-4	TBL000	369.43	mg/m³	N	15.10	C16.H36.N.I
3020	Tributylphosphine	998-40-3	TIA300	202.36	ppm	N	8.271	C12.H27.P
3021	Tributyltetradecylphosphonium chloride	81741-28-8	N.I.S.		mg/m³	N		[Unknown]
3022	Trichloramine; (Nitrogen chloride)	10025-85-1	NGQ500	120.36	ppm	N	4.92	Cl3N
3023	Trichloro ethyl phosphonate; ((2,2,2-Trichloro-1-hydroxylethyl)dimethylphosphonate; Trichlorphon)	52-68-6	TIQ250	257.44	mg/m³	N	10.522	C4.H8.C13.O4.P
3024	Trichloro(dichlorophenyl) silane	27137-85-5	DGF200	280.43	ppm	Y	11.46	C6H3Cl5Si
3025	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	TJE100	187.37	mg/m³	N	7.66	C2Cl3F3
3026	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	CDO000	165.40	mg/m³	N	6.76	C2HCl3O.H2O
3027	Trichloroacetaldehyde; (Chloral)	75-87-6	CDN550	147.38	mg/m³	N	6.02	C2HCl3O
3028	Trichloroacetic acid	76-03-9	TII250	163.38	ppm	Y	6.68	C2HCl3O2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3018	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6	S	114-120					3
3019	Tributyl-1-butanaminium iodide, N,n,n-; (Tetrabutylammonium iodide)	311-28-4	S	146-148				1.2	2
3020	Tributylphosphine	998-40-3	L		240	16	121	0.812	1
3021	Tributyltetradecylphosphonium chloride	81741-28-8	S						
3022	Trichloramine; (Nitrogen chloride)	10025-85-1	L	< -40	< 71	150	20	1.653	3
3023	Trichloro ethyl phosphonate; ((2,2,2-Trichloro-1-hydroxylethyl)dimethylphosphonate; Trichlorphon)	52-68-6	S	83-84	100 @ 1 mmHg			1.73 @ 20 C	3
3024	Trichloro(dichlorophenyl) silane	27137-85-5	L		260	70	25	1.562	3
3025	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	L	14.2	45.8	360	25	1.579	3
3026	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	S	52	97.5			1.9	3
3027	Trichloroacetaldehyde; (Chloral)	75-87-6	L	-57.5	97.7	35		1.505	3
3028	Trichloroacetic acid	76-03-9	S del	57.7	197.5	1	51	1.62	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3029	Trichloroacetyl chloride	76-02-8	TIJ150	181.82	ppm	Y	7.43	C2-Cl4-O
3030	Trichlorobenzene, 1,2,3-	87-61-6	TIK100	181.44	mg/m³	N	7.42	C6H3Cl3
3031	Trichlorobenzene, 1,2,4-	120-82-1	TIK250	181.44	ppm	Y	7.42	C6H3Cl3
3032	**Trichloroethane, 1,1,1-; (Methyl chloroform)**	**71-55-6**	MIH275	133.40	ppm	Y	5.45	CH3CCl3
3033	Trichloroethane, 1,1,2-	79-00-5	TIN000	133.40	ppm	Y	5.45	CHCl2CH2Cl
3034	Trichloroethanol, 2,2,2-	115-20-8	TIN500	149.40	mg/m³	N	6.106	C2.H3.Cl3.O
3035	**Trichloroethylene**	**79-01-6**	TIO750	131.38	ppm	Y	5.37	CH.Cl=C.Cl2
3036	Trichloroethylsilane; (Ethyl trichlorosilane)	115-21-9	EPY500	163.51	ppm	Y	6.68	C2H5Cl3Si
3037	Trichlorofluoromethane; (Fluorotrichloromethane, Freon 11)	75-69-4	TIP500	137.36	ppm	Y	5.61	C.Cl3.F
3038	Trichloronaphthalene	1321-65-9	TIT500	231.50	mg/m³	N	9.46	C10.H5.Cl3
3039	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	EPY000	333.60	mg/m³	N	13.63	C10H12Cl3O2PS

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3029	Trichloroacetyl chloride	76-02-8	L	-146	114-116	21.32	25	1.629	2
3030	Trichlorobenzene, 1,2,3-	87-61-6	S	52.6	221			1.69	2
3031	Trichlorobenzene, 1,2,4-	120-82-1	L	17	213	1	38	1.454	3
3032	**Trichloroethane, 1,1,1-; (Methyl chloroform)**	**71-55-6**	L	-30.6	73.9	100	20	1.3376	3
3033	Trichloroethane, 1,1,2-	79-00-5	L	-36.7	113.9	1920	20	1.4416	3
3034	Trichloroethanol, 2,2,2-	115-20-8	S/L	17.8	150	1	20	1.54	3
3035	**Trichloroethylene**	**79-01-6**	L	-72.8	87.2	58	20	1.4649	3
3036	Trichloroethylsilane; (Ethyl trichlorosilane)	115-21-9	L	-105.6	97.9	47.18	25	1.24 @ 25 C	3
3037	Trichlorofluoromethane; (Fluorotrichloromethane, Freon 11)	75-69-4	L<23.9	-111.1	23.9	690	20	1.48 @ 17.2 C	2
3038	Trichloronaphthalene	1321-65-9	S	92.78	304.44 - 354.44			1.58	3
3039	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	L		360	20	25	1.365 @ 20 C	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3040	Trichlorophenol, 2,3,6-	933-75-5	TIV500	197.44	mg/m³	N	8.07	C6H3Cl3O
3041	Trichlorophenol, 2,4,5-	95-95-4	TIV750	197.44	mg/m³	N	8.07	C6H3Cl3O
3042	Trichlorophenol, 2,4,6-	88-06-2	TIW000	197.44	mg/m³	N	8.07	C6H3Cl3O
3043	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (2,4,5-Silvex)	93-72-1	TIX500	269.51	mg/m³	N	11.02	C9H7Cl3O
3044	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	TAA100	255.48	mg/m³	N	10.44	C8H5Cl3O3
3045	Trichlorophenylsilane	98-13-5	TJA750	211.55	mg/m³	Y	8.65	C6H5ClSi
3046	Trichloropropane, 1,2,3-	96-18-4	TJB600	147.43	ppm	Y	6.03	CH2ClCHCl CH2Cl
3047	**Trichlorosilane**	**10025-78-2**	TJD500	135.45	ppm	Y	5.54	Cl3HSi
3048	Trichlorotrifluorethane; (Freon 113; CFC113)	76-13-1	FOO000	187.37	ppm	Y	7.66	CF3.C.Cl3
3049	Tridecane	629-50-5	TJH500	184.41	ppm	Y	7.54	C13.H28
3050	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	N.I.S.	522.00	mg/m³	N	21.33	C36.H75.N

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3040	Trichlorophenol, 2,3,6-	933-75-5	S	58	253				3
3041	Trichlorophenol, 2,4,5-	95-95-4	S	61-63	252	1	72	1.678	3
3042	Trichlorophenol, 2,4,6-	88-06-2	S	68	244.5	1	77	1.675	3
3043	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (2,4,5-Silvex)	93-72-1	S	182					3
3044	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	S	151-3					3
3045	Trichlorophenylsilane	98-13-5	L		201			1.321 @ 25 C	3
3046	Trichloropropane, 1,2,3-	96-18-4	L	-15	156.17			13888	3
3047	**Trichlorosilane**	**10025-78-2**	L	-126.5	31.8	fumes		1.336	3
3048	Trichlorotrifluorethane; (Freon 113; CFC113)	76-13-1	L	-35	47.8	285	20	1.5702	1
3049	Tridecane	629-50-5	L	-5.3	235.4	0.056	25	0.7564	2
3050	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	L	16.4	220			0.824	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3051	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	TKP500	149.22	mg/m³	Y	6.10	C6H15NO3
3052	Triethoxysilane	998-30-1	TJM750	164.31	ppm	N	6.72	C6H12O3sI
3053	Triethoxysilyl)-1-propanamine, 2-(; (3-Aminopropyltriethoxysilane)	919-30-2	TJN000	221.42	mg/m³	Y	9.05	C9.H23.N.O3.Si
3054	Triethoxyvinylsilane	78-08-0	TJN250	190.35	ppm	N	7.780	C8.H18.O3.Si
3055	Triethyl phosphate; (TEP)	78-40-0	TJT750	182.18	mg/m³	Y	7.45	C6.H15.O4.P
3056	Triethyl phosphite	122-52-1	TJT800	166.18	ppm	Y	6.79	C6H15O3P
3057	Triethyl-, hydroxide, Ethanaminium, n,n,n-; (Tetraethy ammonium hydroxide)	77-98-5	TCC500	147.30	mg/m³	N	6.02	C8.H20.N..H.O
3058	Triethylaluminum	97-93-8	TJN750	114.19	mg/m³	Y	4.67	C6.H15.Al
3059	Triethylamine	121-44-8	TJO000	101.22	ppm	Y	4.14	C6H15N
3060	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9	N.I.S. etc.		mg/m³	N		
3061	Triethylbenzene (mixed isomers)	25340-18-5	TJO750	162.30	ppm	N	6.63	C12H18

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3051	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	L	21.6	360	10	205	1.1258	2
3052	Triethoxysilane	998-30-1	L	-170	132.5	23	25	0.8545 @ 20 C	3
3053	Triethoxysilyl)-1-propanamine, 2-(; (3-Aminopropyltriethoxysilane)	919-30-2	L		217			0.9506 @ 20C	3
3054	Triethoxyvinylsilane	78-08-0	L		160.62 @ 20	2.25	20	0.901	1
3055	Triethyl phosphate; (TEP)	78-40-0	L	-56.4	215.5	0.39	25	1.0725 @ 19C	2
3056	Triethyl phosphite	122-52-1	L		156			1.413	3
3057	Triethyl-, hydroxide, Ethanaminium, n,n,n-; (Tetraethy ammonium hydroxide)	77-98-5	S solu-tion						3
3058	Triethylaluminum	97-93-8	L	-52.5	194	4	83	0.837 @ 20 C	3
3059	Triethylamine	121-44-8	L	-114.8	89.5			0.7255	3
3060	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9							
3061	Triethylbenzene (mixed isomers)	25340-18-5	L	<-70	218-219			0.87	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3062	Triethylene glycol	112-27-6	TJQ000	150.20	mg/m³	Y	6.14	C6H14O4
3063	Triethylene glycol monomethyl ether	112-35-6	TJQ750	164.23	mg/m³	Y	6.71	C7H16O4
3064	Triethylenetetramine	112-24-3	TJR000	146.28	ppm	Y	5.98	C6H18N4
3065	Triethyloxonium tetrafluoroborate	368-39-8	TJL600	190.02	mg/m³	N	7.766	C6.H15.O..B.F4
3066	Trietylphosphorothioate; (Tepto)	126-68-1	TJU000	198.24	ppm	N	8.102	C6.H15.O3.P.S
3067	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4- boron difluoride	22502-27-8	N.I.S.	272.01	mg/m³	N	11.12	C8-H6-B-F5-O2-S
3068	Trifluoro-4-nitro-m-cresol, Alpha,Alpha,Alpha-; (4-Nitro 3-(trifluoromethyl)phenol)	88-30-2	TKD400	207.12	mg/m³	N	8.465	C7.H4.F3.N.O3
3069	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4	TJZ000	116.05	mg/m³	N	4.743	C2.H3.F3.O2
3070	Trifluoroacetic acid anhydride	407-25-0	TJX000	210.04	mg/m³	N	8.58	C4.F6.O3
3071	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	TKA250	114.03	ppm	N	4.66	C2HF3O2
3072	Trifluoroacetyl chloride	354-32-5	TJX500	132.47	ppm	Y	5.41	C2ClF3O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3062	Triethylene glycol	112-27-6	L	-4.3	285	1	114	1.122	3
3063	Triethylene glycol monomethyl ether	112-35-6	L	-44	249			1.0494	1
3064	Triethylenetetramine	112-24-3	L	12	272	<0.01	20	0.982	3
3065	Triethyloxonium tetrafluoroborate	368-39-8	S						3
3066	Trietylphosphorothioate; (Tepto)	126-68-1	L		93.2-94			1.074	3
3067	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4- boron difluoride	22502-27-8	S						
3068	Trifluoro-4-nitro-m-cresol, Alpha,Alpha,Alpha-; (4-Nitro 3-(trifluoromethyl)phenol)	88-30-2	S	76-79	135-138				3
3069	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4							2
3070	Trifluoroacetic acid anhydride	407-25-0	L	-65	39.5			1.49	2
3071	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	L	-15.25	71.1			1.535	3
3072	Trifluoroacetyl chloride	354-32-5	L						2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3073	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	TKA350	100.05	ppm	Y	4.09	C2.H3.F3.O
3074	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	TKB310	150.08	ppm	Y	6.134	C.H.F3.O3.S
3075	Trifluoromethanesulfonic anhydride	358-23-6	N.I.S.	282.14	mg/m³	N	11.531	(C.F3.S.O2)2O
3076	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	IFM100	195.91	ppm	N	8.007	C.F3.I
3077	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	AID500	161.14	mg/m³	N	6.59	C7H6F3N
3078	Trifluralin; (2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine	1582-09-8	DUV600	335.32	mg/m³	N	13.70	C13H16 F3N3.O4
3079	Triisobutylaluminum	100-99-2	TKR500	198.30	mg/m³	Y	8.10	(C4.H9)3.Al
3080	Trimethoxy(3,3,3-fluoropropyl) silane	429-60-7	N.I.S.	218.25	mg/m³	N	8.92	C8.H13.F3.O3.Si
3081	Trimethoxyboroxine	102-24-9	TKZ100	173.55	mg/m³	N	7.09	C3.H9.B3.O6
3082	**Trimethoxysilane**	**2487-90-3**	TLB750	122.22	ppm	Y	5.00	C3H10O3Si
3083	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	N.I.S.	179.29	mg/m³	N	7.33	C6.H17.N.O3..Si

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3073	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	L	-44	103 - 105			1.288	3
3074	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	L	-40	162			1.696	3
3075	Trifluoromethanesulfonic anhydride	358-23-6	L		81-83	8	20	1.677	3
3076	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	G	<-78	-22.5			2.3607 @ 32C	3
3077	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	L	3	189			1.303	3
3078	Trifluralin; (2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine	1582-09-8	S	48.5-49	139-140 @ 4mm				2
3079	Triisobutylaluminum	100-99-2	L	6	86 @ 10 mm	1	47	0.7859 @ 20C	3
3080	Trimethoxy(3,3,3-fluoropropyl) silane	429-60-7	S						
3081	Trimethoxyboroxine	102-24-9	S					1.4	1
3082	**Trimethoxysilane**	**2487-90-3**	L	-115	84			0.96	2
3083	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	L						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3084	Trimethoxysilyl-1-Propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	TLC000	196.37	mg/m³	Y	8.03	C6.H16.03.S..Si
3085	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	TLC250	248.39	mg/m³	Y	10.15	C10.H20.O5.Si
3086	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	TLC500	222.41	mg/m³	Y	9.090	C8.H22.N2.O3.Si
3087	Trimethoxyvinylsilane; (Silane, trimethoxyvinyl)	2768-02-7	TLD000	148.26	ppm	Y	6.06	C15.H12.O3.Si
3088	Trimethyl borate	121-43-7	TLN000	103.93	ppm	Y	4.25	C3.H9..B.O3
3089	Trimethyl N', 2-hydroxyethyl-propylenediamine	82136-26-3			mg/m³	N		
3090	Trimethyl phosphate; (TMP)	512-56-1	TMD250	140.09	ppm	N	5.73	(CH3)3P:O
3091	Trimethyl phosphite	121-45-9	TMD500	124.09	ppm	Y	5.07	(CH3))3P
3092	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4	TEG500	216.36	mg/m³	N	8.84	C12H24O3
3093	Trimethyl-1-pentene, 2,4,4-: (Diisobutylene)	107-39-1	N.I.S.	112.21	ppm	N	4.586	C8.H16
3094	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	N.I.S. etc.	264.36	mg/m³	N	10.80	C13.H28.O5

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3084	Trimethoxysilyl-1-Propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	L		93-94			1.015	2
3085	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	L	<-50	190			1.045 @ 25C	1
3086	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	L		146 @ 15 mm			1.01	3
3087	Trimethoxyvinylsilane; (Silane, trimethoxyvinyl)	2768-02-7	L		123			1.13	1
3088	Trimethyl borate	121-43-7	L	-29	68	137	25	0.92 @ 20C	3
3089	Trimethyl N', 2-hydroxyethyl-propylenediamine	82136-26-3							
3090	Trimethyl phosphate; (TMP)	512-56-1	L		197.2			1.97 @19.5	3
3091	Trimethyl phosphite	121-45-9	L	-78	111-112			1.046	3
3092	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4							2
3093	Trimethyl-1-pentene, 2,4,4-: (Diisobutylene)	107-39-1	L	-93.5	101.4	44.7	25	0.715 @ 20C	2
3094	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9							

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3095	Trimethyl-2-hexene, 4,4,5-	55702-61-9	N.I.S. etc.	126.00	mg/m³	N	5.15	(CH3)3-C6-H9
3096	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, e-lactone; Trimethyl-E-lactone)	64047-30-9	TLY000	156.25	mg/m³	N	6.39	C9.H16.O2
3097	Trimethylacetic acid; (Pivalic acid)	75-98-9	PJA500	102.15	mg/m³	N	4.175	C5.H10.O2
3098	Trimethylacetyl chloride; (Pivaloyl chloride)	3282-30-2	DTS400	120.59	ppm	Y	4.93	C5.H9.Cl.O
3099	Trimethylaluminum	75-24-1	TLD272	72.09	mg/m³	N	2.946	C3.H9.Al
3100	**Trimethylamine**	**75-50-3**	TLD500	59.13	ppm	Y	2.42	(CH3)3.N
3101	Trimethylaniline, 2,4,6-	88-05-1	TLG500	135.23	mg/m³	Y	5.53	C9H13N
3102	Trimethylbenzene, 1,2,3-	526-73-8	TLL500	120.21	ppm	N	4.91	C9H12
3103	Trimethylbenzene, 1,2,4-; (Pseudocumene; Instagel)	95-63-6	TLL750	120.21	ppm	N	4.91	C9H12
3104	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (Alpha-Pinene)	80-56-8	PIH250	136.26	mg/m³	Y	5.57	C10H16
3105	**Trimethylchlorosilane**	**75-77-4**	TLN250	108.66	ppm	Y	4.44	C3H9ClSi

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3095	Trimethyl-2-hexene, 4,4,5-	55702-61-9							
3096	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, e-lactone; Trimethyl-E-lactone)	64047-30-9							3
3097	Trimethylacetic acid; (Pivalic acid)	75-98-9	S	35.5	163.8			0.91	2
3098	Trimethylacetyl chloride; (Pivaloyl chloride)	3282-30-2	L		107			1.003 @ 20C	3
3099	Trimethylaluminum	75-24-1	S	15	125-126	69.3	60	0.752	3
3100	**Trimethylamine**	**75-50-3**	G	-117.2	2.87	340	25	0.662 @ -5 C	3
3101	Trimethylaniline, 2,4,6-	88-05-1	L	-5	232			0.96	3
3102	Trimethylbenzene, 1,2,3-	526-73-8	L	-25.4	176.1	1	17	0.894	3
3103	Trimethylbenzene, 1,2,4-; (Pseudocumene; Instagel)	95-63-6	L	-43.8	168.9	1	13.3	0.888 @ 4 C	3
3104	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (Alpha-Pinene)	80-56-8	L	-55	155	10	37.3	0.8592	3
3105	**Trimethylchlorosilane**	**75-77-4**	L	-40	57			0.854	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3106	Trimethyldecane, 2,2,8-	62238-01-1	N.I.S. etc.	184.00	ppm	Y	7.52	C13H28
3107	Trimethyldecane, 2,5,6-	62108-23-0	N.I.S. etc.	184.00	ppm	Y	7.52	C13H28
3108	Trimethyldecane, 3,3,4-	49622-18-6	N.I.S. etc.	184.00	ppm	Y	7.52	C13-H28
3109	Trimethylene oxide; (Oxetane)	503-30-0	OMW000	58.09	mg/m³	N	2.37	C3.H6.O
3110	Trimethylgallium	1445-79-0	TLT000	114.80	mg/m³	N	4.692	C3.H9.Ga
3111	Trimethylhexane, 2,2,5-	3522-94-9	TLT200	128.29	ppm	Y	5.24	C9-H20
3112	Trimethyloctane, 2,2,6-	62016-28-8	N.I.S. etc.	156.31	ppm	Y	6.39	C11-H24
3113	Trimethyloctane, 2,3,6-	98060-52-7	N.I.S. etc.	156.31	ppm	Y	6.39	C11-.H24
3114	Trimethyloctane, 2,3,7-	62016-34-6	N.I.S. etc.	156.31	ppm	Y	6.39	C11-H24
3115	Trimethyloctane, 2,4,6-	62016-37-9	N.I.S. etc.	156.31	ppm	Y	6.39	C11-H24
3116	Trimethyloctane, 2,6,6-	54166-32-4	N.I.S. etc.	156.31	ppm	Y	6.39	C11-H24

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3106	Trimethyldecane, 2,2,8-	62238-01-1	L						
3107	Trimethyldecane, 2,5,6-	62108-23-0	L						
3108	Trimethyldecane, 3,3,4-	49622-18-6	L						2
3109	Trimethylene oxide; (Oxetane)	503-30-0	L	-97	47.6	324	25	0.893	2
3110	Trimethylgallium	1445-79-0	L	-15.9	55.7				3
3111	Trimethylhexane, 2,2,5-	3522-94-9	L		124			0.7072	1
3112	Trimethyloctane, 2,2,6-	62016-28-8							
3113	Trimethyloctane, 2,3,6-	98060-52-7	G		10.7	760	10.7	0.8711	
3114	Trimethyloctane, 2,3,7-	62016-34-6							
3115	Trimethyloctane, 2,4,6-	62016-37-9							
3116	Trimethyloctane, 2,6,6-	54166-32-4							

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3117	Trimethylolpropane ethoxylate	50586-59-9	N.I.S.		mg/m³	N		(C2.H4.O)n(C2.H4.O)n(C2.H4.O)n..C6.H14.O3
3118	Trimethylolpropane phosphite	824-11-3	TNI750	162.14	mg/m³	Y	6.63	C6-H11-O3-P
3119	Trimethylopropane methylated copolymer	71342-93-3			mg/m³	N		(C9.H6.N2.O2..C6.H10.O2)x
3120	Trimethylphosphine	594-09-2	TMD275	76.08	ppm	Y	3.109	(C.H3)3.P
3121	Trimethylpyridine, 2,4,6-	108-75-8	TME272	121.20	ppm	Y	4.95	C8-H11-N
3122	Trimethylsilanol	1066-40-6	N.I.S.	90.00	ppm	N	3.68	C3-H10-O-Si
3123	Trimethylsilylmethyllithium	1822-00-0	N.I.S. etc.	94.16	mg/m³	N	3.848	(C.H3)3.Si.C.H2.Li
3124	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	CLT000	199.26	mg/m³	Y	8.14	Sn.C3H9Cl
3125	Trimethyltriheptylamine, 6,6',6''-; (Triisooctylamine)	2757-28-0	TKS500	353.76	mg/m³	Y	14.46	C24H51N
3126	Tri-n-butylamine	102-82-9	THX250	185.40	ppm	Y	7.578	C12.H27.N
3127	Trinitrobenzene 1,3,5-	99-35-4	TMK500	213.12	mg/m³	N	8.71	C6H3N3O6

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3117	Trimethylolpropane ethoxylate	50586-59-9	L					1.11	
3118	Trimethylolpropane phosphite	824-11-3	S	56	200	0.2	25		3
3119	Trimethylopropane methylated copolymer	71342-93-3	S						
3120	Trimethylphosphine	594-09-2	L	-85	37.5			0.735	3
3121	Trimethylpyridine, 2,4,6-	108-75-8							3
3122	Trimethylsilanol	1066-40-6							
3123	Trimethylsilylmethyllithium	1822-00-0	L	13.9	35-36			0.65	3
3124	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	S	42	154-156	3	25		3
3125	Trimethyltriheptylamine, 6,6',6"-; (Triisooctylamine)	2757-28-0							2
3126	Tri-n-butylamine	102-82-9	L	-70	216.5	0.0934	25	0.78	3
3127	Trinitrobenzene 1,3,5-	99-35-4	S	122	expl			1.76	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3128	Trinitrochlorobenzene, 2,4,6-; (Picryl chloride)	28260-61-9	TML325	247.56	mg/m³	N	10.12	C6H2ClN3O6
3129	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	TEG250	287.17	mg/m³	Y	11.74	C7H5N5O2
3130	Trinitrotoluene, 2,4,6-	118-96-7	TMN490	227.15	mg/m³	Y	9.28	C7H5N3O6
3131	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	N.I.S.	386.00	mg/m³	N	15.78	(C8H17)3PO
3132	Trioctylamine; (n,n-Dioctyl-1-octanamine)	1116-76-3	DVL000	353.76	mg/m³	N	14.46	C24H51N
3133	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	N.I.S.	370.72	mg/m³	N	15.152	C24.H51.P
3134	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	TMO600	368.39	ppm	N	15.06	C21H21O4P
3135	Tripentaerythritol; (Tripenek)	78-24-0	N.I.S.	372.41	mg/m³	N	15.22	C15.H32.O10
3136	Triphenyl phosphate	115-86-6	TMT750	326.30	mg/m³	N	13.34	C18H15O4P
3137	Triphenyl phosphite	101-02-0	TMU250	310.30	mg/m³	Y	12.68	C18.H15.O3.P
3138	Triphenylborane	960-71-4	TMR300	242.14	mg/m³	Y	9.90	C18.H15.B

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3128	Trinitrochlorobenzene, 2,4,6-; (Picryl chloride)	28260-61-9	S						3
3129	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	S	131-132	187 expl			1.57 @ 19C	3
3130	Trinitrotoluene, 2,4,6-	118-96-7	S	82	240 expl			1.654	3
3131	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	S	50-54					
3132	Trioctylamine; (n,n-Dioctyl-1-octanamine)	1116-76-3	L		365-367			0.809	3
3133	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	S						
3134	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	L	-25 -30	410			1.17	3
3135	Tripentaerythritol; (Tripenek)	78-24-0	S	225-240					
3136	Triphenyl phosphate	115-86-6	S	49-50	245 @ 11 mm	1	193.5	1.268 @ 60C	3
3137	Triphenyl phosphite	101-02-0	S	21-23	183-184 @0.1mm			1.184	3
3138	Triphenylborane	960-71-4	S	142					2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3139	Triphenylethoxysilane	1516-80-9	N.I.S.	304.46	mg/m³	N	12.44	C20.H20.O.Si
3140	Triphenylolmethane triglycidyl ether	66072-38-6	N.I.S.	460.53	mg/m³	N	18.82	C28.H28.O6
3141	Triphenylphosphine	603-35-0	TMU000	262.30	mg/m³	Y	10.72	C18.H15.P
3142	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	CLU000	385.47	mg/m³	Y	15.75	Sn.ClC18H15
3143	Tripotassium (2-hydroxyethyl)-ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	N.I.S.	395.55	ppm	N	16.17	K3-C10-H18-N2-O7
3144	Tripotassium arsenate	13464-36-3	N.I.S.	256.22	mg/m³	N	10.47	3K-As-O4
3145	Tripropylamine	102-69-2	TMY250	143.31	ppm	N	5.857	C9.H21.N
3146	Tripropylene glycol methyl ether	25498-49-1	MEV500	206.32	mg/m³	N	8.433	C10.H22.O4
3147	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol	20324-33-8	TNA000	206.32	ppm	Y	8.43	C10-H22-O4
3148	Tripropylene glycol; (((1-methyl-1,2-ethanediyl)bis(oxy))bis-propanol)	24800-44-0	TMZ000	192.29	ppm	N	7.86	C9.H20.O4
3149	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	N.I.S. etc.	157.60	mg/m³	Y	6.441	N.H2.C(C.H2.O.H)3..H.Cl

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3139	Triphenylethoxysilane	1516-80-9	S	65	344				
3140	Triphenylolmethane triglycidyl ether	66072-38-6	S						
3141	Triphenylphosphine	603-35-0	S	79	>360			1.194	2
3142	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	S	106	240 @ 13.5 mm				3
3143	Tripotassium (2-hydroxyethyl)-ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	S						
3144	Tripotassium arsenate	13464-36-3	S					2.8	
3145	Tripropylamine	102-69-2	L	-93.5	156	1.51	25	0.7558 @ 20	3
3146	Tripropylene glycol methyl ether	25498-49-1	L	-78.89	242.4			0.965	2
3147	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol	20324-33-8	L		243			0.967 @ 25c	2
3148	Tripropylene glycol; (((1-methyl-1,2-ethanediyl)bis(oxy))bis-propanol)	24800-44-0	L	< -30	267	1	96	1.023 @ 25C	3
3149	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	S	150-152					2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3150	Tris((hydroxymethyl)methylamino)propane-1-sulphoni acid, 3-	29915-38-6	N.I.S.	243.27	mg/m³	N	9.94	C7.H17.N.O6.S
3151	Tris(2-aminoethyl)amine	4097-89-6	NEI800	146.28	mg/m³	N	5.979	C6.H18.N4
3152	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	CGO500	285.50	mg/m³	Y	11.67	C6.H12.Cl3.O4.P
3153	Tris(2-chloroethyl)amine	555-77-1	TNF250	204.57	mg/m³	Y	8.36	C6H12Cl3N
3154	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	TNH000	265.45	mg/m³	Y	10.85	C15H27N3O
3155	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	TEM500	121.16	mg/m³	N	4.95	C4H11NO3
3156	Trisodium arsenate	13464-38-5	N.I.S.	207.89	mg/m³	N	8.50	3Na-As-O4 or 3Na-As-(OH)3
3157	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3	ARE000	334.03	mg/m³	N	13.65	AsO4.3Na.7H2O
3158	Trisodium citrate	68-04-2	TNL000	258.08	ppm	Y	10.55	3Na-C6-H5-O7
3159	Trisodium-n-hydroxyethylethylenediaminetriacetate; (Trisodium-N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	N.I.S.	344.22	mg/m³	N	14.07	C10-H18-N2-O7.3Na
3160	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	PKF500		mg/m³	Y		(C2H4O)n.C14H22O (n=5-15)

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3150	Tris((hydroxymethyl)methylamino)propane-1-sulphoni acid, 3-	29915-38-6	S	240					
3151	Tris(2-aminoethyl)amine	4097-89-6							3
3152	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	L	-55	330			1.39	3
3153	Tris(2-chloroethyl)amine	555-77-1	L	-4	98 @ 2mm			1.2347 @4/25	3
3154	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2							2
3155	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	S	171-172	219-220 @10mm				2
3156	Trisodium arsenate	13464-38-5	S						
3157	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3							
3158	Trisodium citrate	68-04-2	S		dec				3
3159	Trisodium-n-hydroxyethylethylenediaminetriacetate; (Trisodium-N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	S	288				1.285	
3160	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	L					1.0595	2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3161	Trypan blue	72-57-1	CMO250	964.88	mg/m³	N	39.44	C34H28N6 O14S4.4Na
3162	Trypsin; (Parenzyme; Chymotrypsin inhibitor)	9002-07-7	TNW000		mg/m³	N		
3163	Trypsinogen	9002-08-8	N.I.S. etc.		mg/m³	Y		
3164	Tungslosilicic acid	11130-20-4	N.I.S.	2878.29	mg/m³	Y	117.640	4H..O40.Si.W12
3165	Tungsten	7440-33-7	TOA750	183.85	mg/m³	Y	7.51	W
3166	Tungsten boride	12007-09-9	N.I.S.	194.65	mg/m³	N	7.96	W.B
3167	Tungsten carbide	12070-12-1	TOB500	195.90	mg/m³	Y	8.01	W.C
3168	Tungsten hexafluoride	7783-82-6	TOC550	297.85	mg/m³	Y	12.17	WF6
3169	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	TOC750	231.85	mg/m³	Y	9.48	O3W
3170	Tungsten(iv) chloride (tungsten tetrachloride)	13470-13-8	N.I.S., etc.	325.66	mg/m³	N	13.310	W.Cl4
3171	Tungsten(IV) oxide	12036-22-5	N.I.S.	215.84	mg/m³	Y	8.82	WO2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3161	Trypan blue	72-57-1	S						3
3162	Trypsin; (Parenzyme; Chymotrypsin inhibitor)	9002-07-7	S						3
3163	Trypsinogen	9002-08-8							2
3164	Tungslosilicic acid	11130-20-4	S						
3165	Tungsten	7440-33-7	S	3410	5900			19.3	3
3166	Tungsten boride	12007-09-9	S	2665				15.2	
3167	Tungsten carbide	12070-12-1	S	2785				15.6	3
3168	Tungsten hexafluoride	7783-82-6	G	2.3	17.5			13.069	3
3169	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	S pwdr	1773				7.16	2
3170	Tungsten(iv) chloride (tungsten tetrachloride)	13470-13-8	S						
3171	Tungsten(IV) oxide	12036-22-5	S	1500-1700				10.8	2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3172	Tungstic acid	7783-03-1	N.I.S.	249.85	mg/m³	Y	10.21	W-H2-O4
3173	Turpentine	8006-64-2	TOD750	140.00	ppm	Y	5.72	C10.H16 approx
3174	Undecane	1120-21-4	UJS000	156.35	ppm	N	6.39	C11H24
3175	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	UKS000	170.33	ppm	N	6.96	C11-H22-O
3176	Uranine; (Fluorescein sodium)	518-47-8	FEW000	376.28	mg/m³	N	15.38	C20H10O5.Na
3177	Uranium	7440-61-1	UNS000	238.00	mg/m³	Y	9.73	U
3178	**Uranium hexafluoride; (Uranium fluoride)**	**7783-81-5**	UOJ000	352.00	mg/m³	Y	14.39	U.F6
3179	Uranium hydride; (Uranium(III) hydride)	13598-56-6	UPA000	241.06	mg/m³	Y	9.85	UH3
3180	**Uranium oxide; (Triuranium octaoxide)**	**1344-59-8**	N.I.S.	842.00	mg/m³	N	34.41	U3O8
3181	Uranium telluride	12138-37-3	N.I.S.	493.23	mg/m³	Y	20.16	UTe2
3182	Uranium telluride A	12138-37-3a	N.I.S. etc.	1224.08	mg/m³	Y	50.03	U3Te4

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3172	Tungstic acid	7783-03-1	S	100 dec				5.5	
3173	Turpentine	8006-64-2	L	-55	154-170			0.854-0.868	3
3174	Undecane	1120-21-4	L	-25.75	195.6			0.7402	3
3175	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	L	12	223			0.829 @ 30 C	2
3176	Uranine; (Fluorescein sodium)	518-47-8	S						2
3177	Uranium	7440-61-1	S	1147.2	3812.2	~0	20	18.95	3
3178	**Uranium hexafluoride; (Uranium fluoride)**	**7783-81-5**	S	64	56 subl			5.06	3
3179	Uranium hydride; (Uranium(III) hydride)	13598-56-6	S						3
3180	**Uranium oxide; (Triuranium octaoxide)**	**1344-59-8**	S						3
3181	Uranium telluride	12138-37-3	S						3
3182	Uranium telluride A	12138-37-3a	S						3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3183	**Uranium(IV) oxide; (Uranium black oxide)**	**1344-57-6**	UPJ000	270.03	mg/m³	N	11.04	UO2
3184	Uranium: insoluble compounds	z-0083	UNS000		mg/m³	Y		[Unspecified]
3185	Uranium: soluble compounds	z-0084	UNS000		mg/m³	Y		[Unspecified]
3186	Uranyl acetate; (Uranium oxyacetate)	541-09-3	UPS000	424.19	mg/m³	Y	17.34	C4H6O6U. 2H2O
3187	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	UQA000	308.00	mg/m³	Y	12.59	U.O2.F2
3188	Uranyl hydroxide	13470-18-3a	N.I.S.	304.04	mg/m³	Y	12.43	U.O2.(OH)2
3189	Uranyl hydroxide (liquids)	13470-18-3b	N.I.S. etc.	304.04	mg/m³	Y	12.43	U.O2.(OH)2
3190	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	URA200	394.02	mg/m³	Y	16.10	N2.O8.U
3191	Uranyl nitrate hexahydrate	13520-83-7	URS000	502.14	mg/m³	Y	20.52	N2.O8.U.6(H2.O)
3192	Uranyl nitrate; (yellow salt)	36478-76-9	URA100	394.02	mg/m³	Y	16.10	U.O2.(N.O3)2
3193	Uranyl nitrite (liquids)	z-0087	N.I.S. etc.	362.04	mg/m³	Y	14.80	U.O2.(N.O2)2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3183	**Uranium(IV) oxide; (Uranium black oxide)**	**1344-57-6**	S	2875					3
3184	Uranium: insoluble compounds	z-0083	S	varies	varies	varies			3
3185	Uranium: soluble compounds	z-0084	S	varies	varies	varies			3
3186	Uranyl acetate; (Uranium oxyacetate)	541-09-3	S	110 loss H2O	275 dec			2.893	3
3187	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	S	300 dec				6.37	3
3188	Uranyl hydroxide	13470-18-3a	S						3
3189	Uranyl hydroxide (liquids)	13470-18-3b	L						
3190	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	S	60.2	118			2.81	3
3191	Uranyl nitrate hexahydrate	13520-83-7	6	60.2	118			2.807 @ 13 C	3
3192	Uranyl nitrate; (yellow salt)	36478-76-9	S	60.2	118			2.807	3
3193	Uranyl nitrite (liquids)	z-0087	L						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3194	Urea	57-13-6	USS000	60.07	mg/m³	Y	2.46	C.H4.N2.O
3195	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	HIB500	94.09	mg/m³	Y	3.85	C.H4.N2.O..H2.O2
3196	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	UVA000	89.11	mg/m³	N	3.64	C.H3.C.H2.O.C.O..N.H2
3197	Valeric acid	109-52-4	VAQ000	102.15	mg/m³	Y	4.18	C5.H10.O2
3198	Valinomycin	2001-95-8	VBZ000	1111.50	mg/m³	N	45.43	C54.H90.N6.O18
3199	Vanadium	7440-62-2	VCP000	50.94	mg/m³	N	2.08	V
3200	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	VDU000	181.88	mg/m³	Y	7.43	V2.O5
3201	Vanadium sulfate	16785-81-2	VEA100	454.66	mg/m³	Y	18.58	Vx..H2.S.O4
3202	Vanadium tetrachloride	7632-51-1	VEF000	192.74	mg/m³	Y	7.88	V.Cl4
3203	Vanadium trioxide	1314-34-7	VEA000	149.88	mg/m³	N	6.13	V2.O3
3204	Vanadium(II) sulfate heptahydrate	36907-42-3	N.I.S.	273.11	mg/m³	Y	11.16	V.S.O4..7(H2.O)

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3194	Urea	57-13-6	S	132.7	dec			1.335	2
3195	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	S	75-85	dec			0.8 @ 20	1
3196	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	S	49	182-184	0.36	25	1.107	3
3197	Valeric acid	109-52-4	L	-34.5	186.4	0.196	25	0.940 @ 20C	2
3198	Valinomycin	2001-95-8	S	187		0.00001	25		3
3199	Vanadium	7440-62-2	S	1917	3380			6.11	3
3200	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	S	690	1750	0.0000001	25	3.357 @ 18 C	3
3201	Vanadium sulfate	16785-81-2	S						2
3202	Vanadium tetrachloride	7632-51-1	L	-25.7	148	7.63	25	1.816 @ 20 C	3
3203	Vanadium trioxide	1314-34-7	S	1970				4.87 @ 18C	3
3204	Vanadium(II) sulfate heptahydrate	36907-42-3	S						

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3205	Vanadium(III) sulfate	13701-70-7	N.I.S.	390.07	mg/m³	Y	15.94	V2.(S.O4)3
3206	Vanadium, trichlorooxo	7727-18-6	VDP000	173.29	ppm	N	7.08	V.Cl.O3
3207	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	VEZ100	253.07	mg/m³	Y	10.34	V.S.O5.5(H2.O)
3208	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	VEZ000	163.00	mg/m³	Y	6.66	O5.S.V
3209	Vanilin	121-33-5	VKF000	152.16	mg/m³	N	6.22	C8.H8.O3
3210	Vegetable oil	68956-68-3	VGU200		mg/m³	N		[Unspecified]
3211	Veratraldehyde	120-14-9	VHK000	166.19	mg/m³	Y	6.79	C9.H10.O3
3212	Vermiculite, exfoliated	1318-00-9	N.I.S. etc.		mg/m³	N		Mg.Fe.Al.silicate
3213	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1		109.55	mg/m³	N	4.477	C4.H7.Cl.S
3214	**Vinyl acetate**	**108-05-4**	VLU250	86.10	ppm	Y	3.52	C.H2=C.H.O.C.(O).C.H3
3215	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	AAX175		mg/m³	N		(C4.H6.O2. C2.H3.Cl)n

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3205	Vanadium(III) sulfate	13701-70-7	S						
3206	Vanadium, trichlorooxo	7727-18-6	L	-77	126.7	19.3	25	1.829	3
3207	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	S						3
3208	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	S						3
3209	Vanilin	121-33-5	S	80-81	285			1.056	2
3210	Vegetable oil	68956-68-3	L						1
3211	Veratraldehyde	120-14-9	S	42-43	281				2
3212	Vermiculite, exfoliated	1318-00-9	S	1316-1370				2.6	
3213	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1				5.8	25		
3214	**Vinyl acetate**	**108-05-4**	L	-92.8	73	100	22	0.9335	3
3215	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	S						1

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3216	Vinyl acrylic resin; (Vinyl acetate, polymer with n-buty acrylate)	25067-01-0	N.I.S.		mg/m³	N		(C7.H12.O2.C4.H6.O2)x
3217	Vinyl bromide	593-60-2	VMP000	106.96	ppm	N	4.37	C2.H3.Br
3218	**Vinyl chloride**	**75-01-4**	VNP000	62.50	ppm	Y	2.55	C.H2:C.H.Cl
3219	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	EQF500	72.12	ppm	Y	2.95	C4.H8.O
3220	Vinyl fluoride	75-02-5	VPA000	46.00	ppm	Y	1.88	C.H2.C.H.F
3221	Vinyl Terminated Dimethyl-Diphenylsiloxane Copolymer	68951-96-2	N.I.S.	9300.00	mg/m³	N	380.104	
3222	**Vinyl trichlorosilane**	**75-94-5**	TIN750	161.49	ppm	N	6.60	C2.H3.Cl3.Si
3223	Vinyl-2-pyrrolidinone, 1-	88-12-0	EEG000	111.16	ppm	Y	4.54	C6.H9.N.O
3224	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	N.I.S.	152.62	mg/m³	Y	6.238	C9.H9.Cl
3225	Vinylcyclohexene, 4-; (Cyclohevenylethylene)	100-40-3	CPD750	108.18	ppm	N	4.42	C8.H12
3226	Vinylformamide, N-	13162-05-5	N.I.S.	71.08	mg/m³	Y	2.905	C3.H5.N.O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3216	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0	S						
3217	Vinyl bromide	593-60-2	G	-138	15.6	>760		1.51	3
3218	**Vinyl chloride**	**75-01-4**	G	-160	-13.9	>760		0.9121	3
3219	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	L	-115	35.6	428	20	0.754	3
3220	Vinyl fluoride	75-02-5	G	-160.5	-51	>760			3
3221	Vinyl Terminated Dimethyl-Diphenylsiloxane Copolymer	68951-96-2	S		>400			1.036	0
3222	**Vinyl trichlorosilane**	**75-94-5**	L fum	-95	91.5	65.9	25	1.2426 @ 20	3
3223	Vinyl-2-pyrrolidinone, 1-	88-12-0	L	13.5	193 @ 400 mm	1.04E-11	25	1.04	3
3224	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	L		229	1	56.1	1.083	3
3225	Vinylcyclohexene, 4-; (Cyclohevenylethylene)	100-40-3	L	-101	126-127	2.58E+01	38	0.8229	3
3226	Vinylformamide, N-	13162-05-5	L	-16	210	0.1	25	1.014	2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3227	**Vinylidene chloride; (1,1-dichloroethylene)**	**75-35-4**	VPK000	96.94	ppm	Y	3.96	C.H2=C.Cl2
3228	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	VPP000	64.04	ppm	Y	2.62	C2.H2.F2
3229	Vinylmagnesium bromide	1826-67-1	N.I.S.	131.25	mg/m³	N	5.364	C2.H3.Br.Mg
3230	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	AAU300	50000.00	mg/m³	N	2043.569	(C9.H9.N.O..C4.H6.O2) x
3231	Vinyltrimethoxysilane; (Ethenyltrimethoxysilane)	2768-02-7	TLD000	148.26	ppm	N	6.060	C5.H12.O3.Si
3232	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)	64742-52-5	MQV790		mg/m³	Y		
3233	Vsub; (VXR)	20820-80-8	EIF500	211.29	ppm	N	8.64	C7.H18.N.O2.P.S
3234	Warfarin	81-81-2	WAT200	308.35	mg/m³	N	12.60	C19H16O4
3235	Warfarin sodium	129-06-6	WAT220	330.33	mg/m³	N	13.50	C19H15O4.Na
3236	Xenon	7440-63-3	XDS000	131.29	ppm	N	5.37	Xe
3237	Xylene, m-	108-38-3	XHA000	106.18	ppm	Y	4.34	C6.H4.(CH3)2

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3227	**Vinylidene chloride; (1,1-dichloroethylene)**	**75-35-4**	L	-122.5	31.7	600	25	1.213	3
3228	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	G	-144	<-70				3
3229	Vinylmagnesium bromide	1826-67-1	L					0.98	3
3230	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	S					1.27	2
3231	Vinyltrimethoxysilane; (Ethenyltrimethoxysilane)	2768-02-7	L		123			1.13	1
3232	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)	64742-52-5	L		350				3
3233	Vsub; (VXR)	20820-80-8	L						3
3234	Warfarin	81-81-2	S	161	356	0.00001	25		3
3235	Warfarin sodium	129-06-6	S	159-165	dec	0.00001	25		3
3236	Xenon	7440-63-3	G	-112	-107			3.52 @ -109C	1
3237	Xylene, m-	108-38-3	L	-47.4	138.8			0.864	3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3238	Xylene, o-	95-47-6	XHJ000	106.18	ppm	Y	4.34	C6.H4.(CH3)2
3239	Xylene, p-	106-42-3	XHS000	106.18	ppm	Y	4.34	C6.H4.(CH3)2
3240	**Xylenes**	**1330-20-7**	XGS000	106.18	ppm	Y	4.34	C6.H4.(CH3)2
3241	Xylenol orange tetrasodium salt	3618-43-7	N.I.S.	760.60	mg/m³	N	31.09	C31-H28-N2-Na4-O13-S
3242	Xylidine	1300-73-8	XMA000	121.20	ppm	N	4.95	C8H11N
3243	Xylidine, 2,6-	87-62-7	XNJ000	121.20	mg/m³	N	4.95	C8H11N
3244	Xylidine, o-; (2,3-Xylidine)	87-59-2	XMJ000	121.20	ppm	Y	4.95	C8H11N
3245	Xylylene dichloride	28347-13-9	XSS250	175.06	mg/m³	N	7.15	C8H8Cl2
3246	Yeast extract	8013-01-2	YAK050		mg/m³	N		
3247	Ytterbium fluoride	13760-80-0	N.I.S.	230.04	mg/m³	Y	9.40	YbF3
3248	Ytterbium oxide	1314-37-0	N.I.S.	394.08	mg/m³	N	16.11	Yb2-O3

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3238	Xylene, o-	95-47-6	L	-25	144			0.88	3
3239	Xylene, p-	106-42-3	L	13.2	138.5	10	27.3	0.8611	3
3240	**Xylenes**	**1330-20-7**	L	-50-->	131-->	7.9	20	0.864	3
3241	Xylenol orange tetrasodium salt	3618-43-7	S powd						2
3242	Xylidine	1300-73-8	L		213-226			.97-.99	3
3243	Xylidine, 2,6-	87-62-7	L	11.2	216	0.125	25	0.98	3
3244	Xylidine, o-; (2,3-Xylidine)	87-59-2	L	<-15	221.5	0.075	25	0.9931 @ 20 C	3
3245	Xylylene dichloride	28347-13-9	S	34-37	239	0.02	25	1.202	3
3246	Yeast extract	8013-01-2	S						1
3247	Ytterbium fluoride	13760-80-0	S	1157	2200				3
3248	Ytterbium oxide	1314-37-0	S	2435				9.2	

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3249	Yttrium	7440-65-5	YEJ000	88.91	mg/m³	N	3.63	Y
3250	Yttrium chloride, hexahydrate	10025-94-2	N.I.S.	303.38	mg/m³	N	12.40	Y.Cl3-6(H2.O)
3251	Yttrium oxide	11130-29-3	N.I.S.	104.91	mg/m³	Y	4.29	YO
3252	Yttrium trioxide	1314-36-9	YGA000	225.82	mg/m³	N	9.23	Y2-O3
3253	Zeolites, CaA; (Molecular sieve activated, type 5A)	68989-20-8	N.I.S. etc		mg/m³	Y		
3254	Zeolites, KA; (Molecular seive activated, type 3A)	68989-21-9	N.I.S. etc.		mg/m³	N		KnNa12-n[(AlO2)12(SiO2)12] · xH2O
3255	Zeolites, -NaA-; (Molecular sieve-4A-)	68989-22-0	N.I.S.		mg/m³	N		
3256	Zeolites, NaX; (Molecular sieve XS-11)	68989-23-1	N.I.S.		mg/m³	N		
3257	Zinc	7440-66-6	ZBJ000	65.37	mg/m³	N	2.67	Zn
3258	Zinc acetate	557-34-6	ZBS000	183.47	mg/m³	N	7.50	C4H6O4.Zn
3259	Zinc acetate dihydrate	5970-45-6	ZCA000	219.51	mg/m³	Y	8.97	Zn..C4.H6.O4..2 H2O

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3249	Yttrium	7440-65-5	S	1522	3338			4.469	3
3250	Yttrium chloride, hexahydrate	10025-94-2	S						
3251	Yttrium oxide	11130-29-3	S						
3252	Yttrium trioxide	1314-36-9	S	2410				4.84	3
3253	Zeolites, CaA; (Molecular sieve activated, type 5A)	68989-20-8	S						2
3254	Zeolites, KA; (Molecular seive activated, type 3A)	68989-21-9	S						
3255	Zeolites, -NaA-; (Molecular sieve-4A-)	68989-22-0	S						
3256	Zeolites, NaX; (Molecular sieve XS-11)	68989-23-1	S						
3257	Zinc	7440-66-6	S	419	907	1	487	77.14	3
3258	Zinc acetate	557-34-6	S	237				1.735	3
3259	Zinc acetate dihydrate	5970-45-6	S	237				1.735	2

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3260	Zinc bromide	7699-45-8	N.I.S.	225.19	mg/m³	N	9.20	ZnBr2
3261	Zinc carbonate	3486-35-9	ZEJ050	125.38	mg/m³	N	5.12	Zn.CO3
3262	Zinc carbonate hydroxide	5263-02-5	N.I.S. etc.		mg/m³	N		Zn.C.O3..OH
3263	Zinc chloride	7646-85-7	ZFA000	136.27	mg/m³	Y	5.57	Cl2Zn
3264	Zinc cyanide	557-21-1	ZGA000	117.41	mg/m³	Y	4.80	(CN)2.Zn
3265	Zinc fluoride	7783-49-5	ZHS000	103.37	mg/m³	Y	4.22	ZnF2
3266	Zinc hydroxide	20427-58-1	N.I.S.	99.40	mg/m³	N	4.06	Zn-(OH)2
3267	Zinc nitrate	7779-88-6	ZJJ000	189.39	mg/m³	Y	7.74	N2O6.Zn
3268	Zinc nitrate hexahydrate	10196-18-6	NEF500	297.51	mg/m³	Y	12.16	Zn..N2.O6..6 H2O
3269	Zinc nitrite	10102-02-0	N.I.S. etc.	157.39	mg/m³	N	6.43	Zn-(N-O2)2
3270	Zinc oxide	1314-13-2	ZKA000	81.37	mg/m³	N	3.33	ZnO

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3260	Zinc bromide	7699-45-8	S	394	697			4.3	
3261	Zinc carbonate	3486-35-9	S					4.4	D
3262	Zinc carbonate hydroxide	5263-02-5							
3263	Zinc chloride	7646-85-7	S	290	732	1	428	2.91	3
3264	Zinc cyanide	557-21-1	S	800 decom				1.852	3
3265	Zinc fluoride	7783-49-5	S	872	1500	1	970	5.0025	3
3266	Zinc hydroxide	20427-58-1	S						
3267	Zinc nitrate	7779-88-6	S	42.5					3
3268	Zinc nitrate hexahydrate	10196-18-6	S	36.4				2.065 @ 14 C	2
3269	Zinc nitrite	10102-02-0	S						
3270	Zinc oxide	1314-13-2	S	1975				5.47	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3271	Zinc perchlorate	13637-61-1	N.I.S.	266.29	mg/m³	N	10.88	Zn.2(Cl.H.O4)
3272	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	ZIJ300	413.73	mg/m³	Y	16.91	Zn.C12H12O8S2
3273	Zinc phosphate (3:2)	7779-90-0	ZJS400	386.05	mg/m³	N	15.78	Zn3-(P-O4)2
3274	Zinc phosphide	1314-84-7	ZLS000	258.05	mg/m³	Y	10.55	P2Zn3
3275	Zinc stearate	557-05-1	ZMS000	632.30	mg/m³	N	25.84	Zn(C18H35 O2)2
3276	Zinc sulfate	7733-02-0	ZNA000	161.43	mg/m³	Y	6.60	ZnSO4
3277	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	ZNJ000	287.57	mg/m³	N	11.75	Zn.S.O4:7H2.O
3278	Zirconium and compounds (as Zr)	7440-67-7	ZOA000	91.22	mg/m³	Y	3.73	Zr
3279	Zirconium boride	12045-64-6	N.I.S.	112.84	mg/m³	Y	4.61	Zr-B2
3280	Zirconium carbide	12070-14-3	ZQC200	115.25	mg/m³	Y	4.71	Zr.C2
3281	Zirconium chloride	10026-11-6	ZPA000	233.02	mg/m³	Y	9.52	Cl4Zr

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3271	Zinc perchlorate	13637-61-1	S						
3272	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	S						3
3273	Zinc phosphate (3:2)	7779-90-0	S	900				4	2
3274	Zinc phosphide	1314-84-7	S	420	1100	0.0000001	25	4.55 @ 13 C	3
3275	Zinc stearate	557-05-1	S	130				1.095	3
3276	Zinc sulfate	7733-02-0	S	740 dec				3.74 @ 15C	3
3277	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	S	100	>500 dec			1.97	3
3278	Zirconium and compounds (as Zr)	7440-67-7	S	1852	3577			6.506	3
3279	Zirconium boride	12045-64-6	S	3000					
3280	Zirconium carbide	12070-14-3	S	3400-3540	5100			6.73	2
3281	Zirconium chloride	10026-11-6	S	437 subl.	331	1	190	2.8	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3282	Zirconium chloride oxide octahydrate	13520-92-8	ZPS000	322.28	mg/m³	Y	13.17	Cl2OZr·8H2O
3283	Zirconium fluoride	7783-64-4	ZQS000	167.22	mg/m³	Y	6.83	Zr-F4
3284	Zirconium hydride	7704-99-6	ZRA000	93.24	mg/m³	Y	3.81	Zr.H2
3285	Zirconium hydroxide	14475-63-9	N.I.S.	159.25	mg/m³	Y	6.51	Zr.(OH)4
3286	Zirconium nitrate	13746-89-9	ZSA000	339.26	mg/m³	Y	13.87	Zr.4NO3
3287	Zirconium nitride	25658-42-8	N.I.S.	105.23	mg/m³	Y	4.30	Zr-N
3288	Zirconium nitrite	z-0088	ZQA000	137.23	mg/m³	Y	5.61	Zr-O-N2
3289	Zirconium oxide	1314-23-4	ZQA000	123.22	mg/m³	Y	5.04	ZrO2
3290	Zirconium oxynitrate hydrate	14985-18-3	ZQA000	250.00	mg/m³	Y	10.22	ZrO(NO3)x H2O
3291	Zirconium phosphide	12037-80-8	ZQA000	153.17	mg/m³	Y	6.26	Zr-P2
3292	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	PLG500	283.40	mg/m³	Y	11.58	Zr.K2F6

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3282	Zirconium chloride oxide octahydrate	13520-92-8	S						2
3283	Zirconium fluoride	7783-64-4	V						
3284	Zirconium hydride	7704-99-6	S		> 300 dec			5.6	3
3285	Zirconium hydroxide	14475-63-9	S	dec				3.24	
3286	Zirconium nitrate	13746-89-9	S						2
3287	Zirconium nitride	25658-42-8	S	2960				7.09	
3288	Zirconium nitrite	z-0088	S						
3289	Zirconium oxide	1314-23-4	S						
3290	Zirconium oxynitrate hydrate	14985-18-3							
3291	Zirconium phosphide	12037-80-8	S					5.1	
3292	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	S					3.48	3

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3293	Zirconium silane	z-0089	ZQA000	147.39	mg/m³	Y	6.02	Zr-Si2
3294	Zirconium silicate; (Zirconium silicon oxide; Zircon))	10101-52-7	N.I.S.	187.33	mg/m³	N	7.66	Zr..H4.O4.Si
3295	Zirconium sulfate tetrahydrate	14644-61-2	ZTJ000	355.40	mg/m³	Y	14.53	Zr.(SO4)2.4H2O
3296	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	ZSJ000	178.12	mg/m³	Y	7.28	Zr..Cl2.O
3297	Zirconyl nitrate; (Bis(nitrato-o)oxozirconium)	13826-66-9	BLA000	231.24	mg/m³	Y	9.45	N2O7Zr
3298	Zonyl fsn fluorosurfactant	65545-80-4	N.I.S.		mg/m³	Y		(C2.H4O)x(C.F2)y..C2.H5.F.O
3299	zzAcrylic latex	z-0090	N.I.S. etc.		mg/m³	N		[Unknown]
3300	zzAlumination 301	z-0091	N.I.S. etc.		mg/m³	N		[Unknown]
3301	zzHydranal coulomat / AG	z-0092	N.I.S. etc.		mg/m³	N		[Unknown]
3302	zzHydrocarbon polymer	z-0093	N.I.S. etc.		mg/m³	N		[Unknown]
3303	zzHydrocount(R), LSC cocktail	z-0094	N.I.S. etc.		mg/m³	N		[Unknown]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3293	Zirconium silane	z-0089	S						
3294	Zirconium silicate; (Zirconium silicon oxide; Zircon))	10101-52-7	S						
3295	Zirconium sulfate tetrahydrate	14644-61-2	S	410 decom				3.22 @ 16 C	3
3296	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	S	150	210			1.91	3
3297	Zirconyl nitrate; (Bis(nitrato-o)oxozirconium)	13826-66-9	S						2
3298	Zonyl fsn fluorosurfactant	65545-80-4	L		80			1.06	1
3299	zzAcrylic latex	z-0090	L						
3300	zzAlumination 301	z-0091							
3301	zzHydranal coulomat / AG	z-0092							
3302	zzHydrocarbon polymer	z-0093	S						3
3303	zzHydrocount(R), LSC cocktail	z-0094							

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3304	zzIconol(R)	z-0095	N.I.S. etc.		mg/m³	N		[Unknown]
3305	zzMachine coolant 1	z-0096	N.I.S. etc.		mg/m³	N		[Unknown]
3306	zzMonophase- S	z-0097	N.I.S. etc.		mg/m³	N		[Unknown]
3307	zzMornar	z-0098	N.I.S. etc.		mg/m³	N		[Unknown]
3308	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphophate)	z-0099	N.I.S. etc.		mg/m³	N		Mixture
3309	zzPaint solvent	z-0100	N.I.S. etc.		mg/m³	Y		[Unknown]
3310	zzPropanol (-2) aluminum derivative	z-0101	N.I.S. etc.		mg/m³	N		[Unknown]
3311	zzScintillation cocktail, Ultima Gold XR	z-0102	N.I.S. etc.	212.36	mg/m³	Y	8.68	C16H20 (mixture)
3312	zzSicapent	z-0103	N.I.S. etc.		mg/m³	N		[Unknown]
3313	zzSynthetic resins	z-0104	N.I.S. etc.		mg/m³	N		[Unknown]
3314	zzTotal sequestrant reagent #5	z-0105	N.I.S. etc.		mg/m³	Y		Mixture

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3304	zzIconol(R)	z-0095							
3305	zzMachine coolant 1	z-0096	L	-5.6	100				
3306	zzMonophase- S	z-0097							
3307	zzMornar	z-0098							
3308	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphophate)	z-0099	L?						
3309	zzPaint solvent	z-0100	L						
3310	zzPropanol (-2) aluminum derivative	z-0101							
3311	zzScintillation cocktail, Ultima Gold XR	z-0102	L	-30	290-299	2.8		0.96	2
3312	zzSicapent	z-0103							
3313	zzSynthetic resins	z-0104	L						
3314	zzTotal sequestrant reagent #5	z-0105	L	-0.5	98			1.0325	

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Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	SAX Number	Molecular Weight (MW)	Units of Original Limits	Toxicity Conc Dependent	ppm to mg/m³	Molecular Formula (MF)
3315	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106	N.I.S. etc.		mg/m³	N		[Unknown]
3316	zzWaste oil	z-0107	N.I.S. etc.		mg/m³	N		[Unknown]

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.

Table 1: Information on the Chemicals included in Protective Action Criteria (PAC) Rev 23

No.	Chemical Compound	CAS Registry Number (CAS RN)	State at 25°C	MP (FP) °C	BP °C	Vapor Pressure mm Hg	Vapor Pressure T (°C)	SG	SAX HR
3315	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106							
3316	zzWaste oil	z-0107	L	varies	varies	Varies			

This table provides physicochemical information derived from various sources. Stippled cells indicate estimated values.