Table 1: Chemicals of Concern and Associated Chemical Information. PACs Rev 27, February 2012

Table 1 is an alphabetical list of the chemical substances, their Chemical Abstracts Service Registry Numbers (CASRNs)[1], and pertinent physical constants. Future reviews will result in continuous updates to these data. There are also columns that provide the date of the original derivation of the PAC values, the date of the last technical review of the data used for deriving the PAC values, and the date of the last revision of the data used to derive the PAC values.

The information presented in this table is derived from various sources including:

- **The Handbook of Chemistry and Physics**
  Lide, D. R. (Ed.) (2009). *CRC Handbook of Chemistry and Physics,* CD Rom (90th Edition-2010 Version). Boca Raton, FL: Taylor and Francis.

- **Hazardous Substances Data Bank (HSDB)**
  The HSDB is "comprehensive, peer-reviewed toxicology data for about 5,000 chemicals" and it is accessible online at: http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB.

- **The Merck Index**
  O'Neil, M. J. (Ed.) (2006). *Encyclopedia of Chemicals, Drugs, and Biologicals* (14th edition). Merck Research Laboratories. Whitehouse Station, NJ.

- **SAX**
  Lewis, R. J., Sr. (2005). *Sax's Dangerous Properties of Industrial Materials* (11th Edition). New York: John Wiley & Sons.

Sometimes data on physicochemical properties vary among sources. As the physical constants presented in this table are obtained from published sources, users are advised to consult trusted references to verify the accuracy of the information.

Information on PAC values and Temporary Emergency Exposure Limits (TEELs) and links to other sources of information are provided on the Subcommittee on Consequence Assessment and Protective Actions (SCAPA) webpage at: http://orise.orau.gov/emi/scapa/teels.htm.

[1] Information on the Chemical Abstracts Service and CASRNs is provided at http://info.cas.org/.

The information provided in Table 1 is described below; it covers two pages.

	Heading	Definition
First Page in Table	No.	The ordered numbering of the chemicals as they appear in this alphabetical listing
	Chemical Compound	The name of the chemical substance submitted to the PAC development team
	CAS Number (CASRN)	The Chemical Abstracts Service Registry Number for this chemical
	Molecular Weight (MW)	The molecular weight of this chemical
	Units of Original Limits	This provides the units of measure (e.g., ppm, mg/m^3) that were initially used to request PAC values.
	ppm to mg/m^3	Conversion factor used to convert "parts per million" to "mg/m^3"
	Molecular Formula (MF)	The composition of elements for this chemical
	State at 25ºC	Physical state of the chemical (S=solid, L=liquid, G=gas) at 25ºC
	MP or FP (ºC)	The melting point/freezing point of the chemical in ºC
Second Page in Table	No.	The ordered numbering of the chemicals as they appear in this alphabetical listing
	Chemical Compound	The name of the chemical substance submitted to the PAC development team
	CAS Number (CASRN)	The Chemical Abstracts Service Registry Number for this chemical
	BP (ºC) @ 760 mm Hg unless indicated	The boiling point of the chemical in ºC at 760 mm Hg unless otherwise stated
	Vapor Pressure – mm Hg	The pressure (often expressed in millimeters of mercury, mm Hg) characteristic at any given temperature of a vapor in equilibrium with its liquid or solid form
	Vapor Pressure – T (ºC)	The temperature at which the vapor pressure was measured (25ºC assumed if not stated)
	SG @ 25ºC unless indicated	Specific Gravity (i.e., density of a substance divided by the density of water) of the chemical
	LEL (ppm)	The lower explosive limit
	PAC-TEEL Derivation/ Review/Revision Dates – Originally Derived	The date or nearest approximate date on which the PAC values were derived
	PAC-TEEL Derivation/ Review/Revision Dates – Last Reviewed	The date on which data or other information was reviewed
	PAC-TEEL Derivation/ Review/Revision Dates – Last Revised	The date on which after a review of the input data, changes were made to the data and/or PAC values (e.g., publication of new AEGL values)

Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1	Acacia; (Gum arabic)	9000-01-5	240000	mg/m^3	9809.13	[Unspecified]	S	91.8
2	Acenaphthene	83-32-9	154.22	mg/m^3	6.30	C12H10	S	95
3	Acenaphthylene	208-96-8	152.19	mg/m^3	6.22	C12H8	S	91.8
4	**Acetaldehyde**	**75-07-0**	44.05	ppm	1.80	C2H4O	L / G	-123.37
5	Acetamide	60-35-5	59.067	mg/m^3	2.41	C2H5NO	S crystals	80.16
6	Acetanilide	103-84-4	135.18	mg/m^3	5.52	C8H9NO	S	113.5
7	**Acetic acid**	**64-19-7**	60.05	ppm	2.45	C2H4O2	L	16.64
8	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenyloxy) butane and ethenol	27360-07-2		mg/m^3		(C8.H14.O2.C4.H6.O2.C2H4.O)x	S	
9	Acetic acid, 2-propenyl ester	591-87-7	100.13	ppm	4.09	C5.H8.O2		
10	Acetic acid, lithium salt	546-89-4	67	mg/m^3	2.74	C2.H3.O2.Li	S	280-285
11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	245.12	mg/m^3	10.02	C4.H6.O4-Mn-4(H2.O)	S	
12	Acetic acid, manganese(II) salt (2:1)	638-38-0	173.04	mg/m^3	7.07	C4.H6.O4.Mn	S	210
13	**Acetic anhydride**	**108-24-7**	102.1	ppm	4.17	C4H6O3	L	-73.1
14	**Acetone**	**67-64-1**	58.08	ppm	2.37	C3H6O	L	-94.7
15	Acetone thiosemicarbazide	1752-30-3	131.22	mg/m^3	5.36	C4.H9.N3.S	S	
16	Acetone-d6	666-52-4	64.1164	ppm	2.62	C3.D6.O	L	-93
17	**Acetonitrile**	**75-05-8**	41.05	ppm	1.68	C2H3N	L	-43.82
18	Acetonitrile-d3	2206-26-0	44.0707	ppm	1.80	C2.D3.N	L	
19	Acetophenone	98-86-2	120.149	mg/m^3	4.91	C8H8O	L or S @ low temp	20.5
20	Acetoxytriphenylstannane	900-95-8	409.07	mg/m^3	16.72	C20.H18.O2.Sn	S	122
21	Acetyl bromide	506-96-7	122.948	ppm	5.03	C2H3BrO	L	-96.5
22	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	74.09	mg/m^3	3.03	C3.H6.O2	L	-7

This table provides physicochemical information obtained from various references. Note that sometimes these values will differ from reference to reference.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1	Acacia; (Gum arabic)	9000-01-5	280	7.5x10-3	24	0.8987		04/14/04	08/21/07	12/31/11
2	Acenaphthene	83-32-9	277.5	10	131.2	1.024	6000	01/04/99	01/19/12	01/19/12
3	Acenaphthylene	208-96-8	280	7.5x10-3	24	0.8987 @ 16ºC		09/30/97	12/23/11	12/31/11
4	**Acetaldehyde**	**75-07-0**	20.1	750	20	0.7834 @ 18C	40000	12/30/95	08/18/09	
5	Acetamide	60-35-5	222	4.0 x 10-2	25	1.159 @ -20ºC	36000	09/30/97	12/05/11	12/31/11
6	Acetanilide	103-84-4	305	1	114	1.2105 @ 4C		10/11/05	04/03/08	12/31/11
7	**Acetic acid**	**64-19-7**	117.9	7.5	14.2	1.0446	40000	11/15/96	08/18/09	01/16/08
8	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenyloxy) butane and ethenol	27360-07-2				1.083		10/11/05	02/01/08	12/31/11
9	Acetic acid, 2-propenyl ester	591-87-7					21000	12/08/02	10/15/06	12/31/11
10	Acetic acid, lithium salt	546-89-4				1.25		10/11/05	10/15/06	12/31/11
11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1				1.59		10/11/05	07/06/10	12/31/11
12	Acetic acid, manganese(II) salt (2:1)	638-38-0				1.74		10/11/05	07/06/10	12/31/11
13	**Acetic anhydride**	**108-24-7**	139.55	10	36	1.082 @ 20ºC/4ºC	27000	08/07/98	12/05/11	11/14/07
14	**Acetone**	**67-64-1**	56.05	75	1.3	0.7845	25000	11/30/92	08/18/09	10/11/05
15	Acetone thiosemicarbazide	1752-30-3						12/08/02	03/02/09	12/31/11
16	Acetone-d6	666-52-4	55.5			0.872	25000	07/11/07	02/16/10	
17	**Acetonitrile**	**75-05-8**	81.65	75	21.4	0.7857 @ 20C	30000	10/31/92	08/18/09	
18	Acetonitrile-d3	2206-26-0	80.7			0.844		10/31/92	02/16/10	03/02/09
19	Acetophenone	98-86-2	202	0.75	36	1.0281 @ 20C	11000	12/30/95	08/18/09	12/31/11
20	Acetoxytriphenylstannane	900-95-8		1.9 uPa	20	1.55 @ 20C		12/08/02	01/08/09	12/31/11
21	Acetyl bromide	506-96-7	76.7	122	25	1.52 @ 9.5C	35958	06/13/02	12/05/11	12/31/11
22	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	145-146			1.082		10/31/92	08/18/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
23	Acetyl chloride	75-36-5	78.5	ppm	3.21	C2H3ClO	L	-112.8
24	Acetyl triethyl citrate	77-89-4	318.36	mg/m^3	13.01	C14.H22.O8	S	
25	Acetylaminofluorene, 2-	53-96-3	223.27	mg/m^3	9.13	C15H13NO	S	193
26	Acetylaminofluorenone, 2-	3096-50-2	237.27	mg/m^3	9.70	C15H11NO2	S fibers	
27	Acetylene	74-86-2	26.04	ppm	1.06	C2H2	G	-80.7
28	**Acrolein**	**107-02-8**	56.063	ppm	2.29	C3H4O	L	-87.7
29	Acrylamide	79-06-1	71.078	mg/m^3	2.91	C3H5NO	S	84.5
30	Acrylamide, N,N'-methylenebisacrylamide copolymer	25034-58-6	154.19	mg/m^3	6.30	(C7.H10.N2.O2. C3.H5.N.O)x	S	185 dec
31	**Acrylic acid**	**79-10-7**	72.06	ppm	2.95	C3H4O2	L	12.5
32	Acrylic acid polymers; (Acrylic polymer or resin)	9003-01-4	168.06	mg/m^3	6.87	(C3H4O2)x	S	
33	**Acrylonitrile**	**107-13-1**	53.063	ppm	2.17	C3H3N	L	-83.48
34	Acrylyl chloride; (Acryloyl chloride)	814-68-6	90.51	ppm	3.70	C3H3ClO	L	
35	**Adamsite; (Phenarsazine chloride)**	**578-94-9**	277.59	mg/m^3	11.35	C12.H9.As.Cl.N	S	195
36	Adipic acid	124-04-9	146.16	mg/m^3	5.97	C6H10O4	S crystals	152
37	Adipic acid, diethylene glycol, trimethylolpropane, phthalic anhydride, toluenediisocyanate polymer, isocyanate terminated	68609-57-4		mg/m^3		(C9.H6.N2.O2.C8.H4.O3.C6.H14.O3.C6.H10. O4.C4.H10.O3)x	S	
38	Adiponitrile	111-69-3	108.16	ppm	4.42	C6H8N2	S needles	1
39	Aerosol, A-102; (Poly(oxy-1,2-ethanediyl), alpha-(3-carboxy-1-oxo-3-sulfopropyl)-omega-(dodecyloxy)-, disodium salt)	39354-45-5		mg/m^3		(C2.H4.O)n.C16.H30.O7.S.2Na	L	
40	Agar	9002-18-0		mg/m^3		[Unspecified]	S	
41	Agarose, type VII (low gelling temperature); (Sepharose)	9012-36-6		mg/m^3		[Unspecified]	S	260
42	Alamine 336	68814-95-9		mg/m^3		[Unspecified]	L	
43	Albumin (bovine)	9048-46-8	65000	mg/m^3	2656.64	[Unspecified]	L	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
23	Acetyl chloride	75-36-5	50.7	287	25	1.1051 @ 20°C		08/21/96	12/05/11	12/31/11
24	Acetyl triethyl citrate	77-89-4	214 @ 40mm			1.135		10/31/92	01/08/09	12/31/11
25	Acetylaminofluorene, 2-	53-96-3						09/30/97	08/18/09	12/31/11
26	Acetylaminofluorenone, 2-	3096-50-2						01/10/01	01/08/09	12/31/11
27	Acetylene	74-86-2	subl -84	40400	25	0.377 @ 20C	25000	12/08/02	12/09/11	12/09/11
28	**Acrolein**	**107-02-8**	52.6	274	25	0.840 @ 20°C	28000	11/30/92	11/11/09	12/20/07
29	Acrylamide	79-06-1	192.6	0.75	109.6	1.122 @ 30C		08/21/96	03/23/10	12/31/11
30	Acrylamide, N,N'-methylenebisacrylamide copolymer	25034-58-6				1.235 @ 30C		04/14/04	01/08/09	12/31/11
31	**Acrylic acid**	**79-10-7**	141	7.5	35	1.0511 @ 20C	24000	11/30/92	06/23/10	10/11/05
32	Acrylic acid polymers; (Acrylic polymer or resin)	9003-01-4						08/07/98	12/05/11	12/31/11
33	**Acrylonitrile**	**107-13-1**	77.3	75	17.7	0.8007	30000	11/30/92	03/11/11	03/11/11
34	Acrylyl chloride; (Acryloyl chloride)	814-68-6	75.5	300	25	1.1136 @ 20C		03/01/00	01/08/09	12/31/11
35	**Adamsite; (Phenarsazine chloride)**	**578-94-9**	410			1.65		09/05/08	03/02/09	
36	Adipic acid	124-04-9	337.5	1	159.5	1.360 @ 25C	16000	12/09/11	12/09/11	12/09/11
37	Adipic acid, diethylene glycol, trimethylolpropane, phthalic anhydride, toluenediisocyanate polymer, isocyanate terminated	68609-57-4						09/05/08	04/10/09	12/31/11
38	Adiponitrile	111-69-3	295	0.00068	25	0.9676 @ 20C	10000	06/13/02	12/09/11	12/09/11
39	Aerosol, A-102; (Poly(oxy-1,2-ethanediyl), alpha-(3-carboxy-1-oxo-3-sulfopropyl)-omega-(dodecyloxy)-, disodium salt)	39354-45-5				1		10/31/92	08/19/09	12/31/11
40	Agar	9002-18-0						12/08/02	10/15/06	12/31/11
41	Agarose, type VII (low gelling temperature); (Sepharose)	9012-36-6						04/14/04	03/03/09	12/31/11
42	Alamine 336	68814-95-9						10/11/05	01/08/09	12/31/11
43	Albumin (bovine)	9048-46-8						04/14/04	10/15/06	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
44	Alcohol oxidase	9073-63-6		mg/m^3		[Unspecified]		
45	Alcohols, C6-C12 (N.O.S.)	68603-15-6		mg/m^3		Cn.H2n.+1OH	L	
46	Aldrin; (1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo,exo-5,8-dimethanonaphthalene)	309-00-2	364.91	mg/m^3	14.91	C12H8Cl6	S	104
47	Aldrithiol-2; (2,2'-Dithiodipyridine)	2127-03-9	220.3066	mg/m^3	9.00	C10H8N2S2	S	56-60
48	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4		mg/m^3		[Unknown]		
49	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	240.22	mg/m^3	9.82	C14H8O4	S	289
50	Alizarine Red S, Monohydrate; (Sodium alizarin-3-sulfonate)	130-22-3	342.26	mg/m^3	13.99	C14.H7.O7.S.Na	S	
51	Alkanes, C4-C12	68333-81-3	114	ppm	4.66	[Unspecified]		
52	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108		mg/m^3		[Unknown]		
53	Alkyl benzenes (C8-C9)	z-0109		mg/m^3		[Unspecified]		
54	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5		mg/m^3		[Unspecified]	S	34.37
55	Alkylamines	63231-48-1		mg/m^3		[Unspecified]		
56	Alkylbenzene (C10-C16)	68648-87-3		mg/m^3		[Unspecified]	S	
57	Alkylbenzyldimethyl ammonium chloride, (C12-C18)	68391-01-5		mg/m^3				
58	Allene; (1,2-Propadiene)	463-49-0	40.06	ppm	1.64	C3H4	G	-146
59	**Allyl alcohol**	**107-18-6**	58.079	ppm	2.37	C3H6O	L	-129
60	Allyl bromide; (3-Bromopropene)	106-95-6	120.99	ppm	4.95	C3.H5.Br	L	-119
61	**Allyl chloride**	**107-05-1**	76.53	ppm	3.13	C3H5Cl	L	-134.5
62	**Allyl chlorocarbonate**	**2937-50-0**	120.54	ppm	4.93	C4.H5.Cl.O2	L	-80
63	Allyl isothiocyanate; (Mustard oil)	57-06-7	99.16	ppm	4.05	C4.H5.N.S.	L	-80
64	**Allylamine**	**107-11-9**	57.11	ppm	2.33	C3H7N	L	
65	Allylmagnesium bromide	1730-25-2	145.2815	mg/m^3	5.94	C3.H5.Br.Mg	S	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
44	Alcohol oxidase	9073-63-6						10/11/05	01/08/09	12/31/11
45	Alcohols, C6-C12 (N.O.S.)	68603-15-6						07/09/97	08/19/09	12/31/11
46	Aldrin; (1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo,exo-5,8-dimethanonaphthalene)	309-00-2	145 @ 2mmHg	1.2x10-4	25	1.6 @ 20C		12/30/95	03/18/10	12/31/11
47	Aldrithiol-2; (2,2'-Dithiodipyridine)	2127-03-9						04/14/04	03/03/09	12/31/11
48	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4						01/04/99	01/08/09	12/31/11
49	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	430					10/31/92	12/05/11	12/31/11
50	Alizarine Red S, Monohydrate; (Sodium alizarin-3-sulfonate)	130-22-3						10/31/92	08/19/09	12/31/11
51	Alkanes, C4-C12	68333-81-3					8800	12/08/02	10/15/06	12/31/11
52	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108						09/30/97	08/19/09	12/31/11
53	Alkyl benzenes (C8-C9)	z-0109						01/04/99	03/03/09	12/31/11
54	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5				0.9884 @ 20C		04/14/04	10/15/06	12/31/11
55	Alkylamines	63231-48-1						07/09/97	08/19/09	12/31/11
56	Alkylbenzene (C10-C16)	68648-87-3						08/07/98	12/05/11	12/05/11
57	Alkylbenzyldimethyl ammonium chloride, (C12-C18)	68391-01-5						01/11/09	01/28/09	12/31/11
58	Allene; (1,2-Propadiene)	463-49-0	-32			1.787	21000	12/08/02	10/15/06	12/31/11
59	**Allyl alcohol**	**107-18-6**	97.4	7.5	6.8	0.8540 @ 20ºC	25000	12/30/95	01/21/10	01/21/10
60	Allyl bromide; (3-Bromopropene)	106-95-6	71.3			1.3980 @ 20ºC	43000	06/13/02	10/15/06	12/31/11
61	**Allyl chloride**	**107-05-1**	45.1	750	44.6	0.9376 @ 20ºC	29000	11/30/92	08/19/09	
62	**Allyl chlorocarbonate**	**2937-50-0**	109.5	20	25	1.136		10/31/92	08/19/09	12/31/11
63	Allyl isothiocyanate; (Mustard oil)	57-06-7	150.7	10	38.3	1.105 @ 15C		10/31/92	08/19/09	12/31/11
64	**Allylamine**	**107-11-9**	65.8-58			0.761	22000	03/01/00	03/03/09	10/11/05
65	Allylmagnesium bromide	1730-25-2						10/31/92	08/19/09	12/31/11

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

Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
66	**Allyltrichlorosilane**	**107-37-9**	175.52	ppm	7.17	C3.H5.Cl3.Si	S/L	35
67	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	154.28	mg/m^3	6.31	C10.H18.O	S	40.5
68	Alpha-hydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3	152.1494	mg/m^3	6.22	C8.H8.O3	S	119-121
69	Aluminon	569-58-4	473.43	mg/m^3	19.35	C22H23N3O9	S powder	220.5
70	Aluminum	7429-90-5	26.98	mg/m^3	1.10	Al	S	660.32
71	Aluminum acetate, basic	7360-44-3	120.04	mg/m^3	4.91	C2.H5.Al.O4	S	
72	Aluminum carbide	1299-86-1	143.9586	mg/m^3	5.88	Al4C3	S	2100
73	Aluminum chloride	7446-70-0	133.33	mg/m^3	5.45	AlCl3	S	192 @ 2.5 atm
74	Aluminum chloride hexahydrate	7784-13-6	241.45	mg/m^3	9.87	AlCl3H12O6	S	100 dec
75	Aluminum fluoride	7784-18-1	84	mg/m^3	3.43	AlF3	S crystals	2,250 triple pt
76	Aluminum grey LB; (Acid black 60)	12218-95-0	877.8543	mg/m^3	35.88	C38.H32.Cr.N8.O19.S2.H	S	
77	Aluminum hexafluorosilicate	17099-70-6	480.23	mg/m^3	19.63	F18.Si3.2Al	S	>500 dec
78	Aluminum hydroxide	21645-51-2	78.004	mg/m^3	3.19	AlH3O3	S	300
79	Aluminum oxide hydrate	1333-84-2	137.99	mg/m^3	5.64	Al.O3.x(H2.O)	S	loses H2O 300C
80	Aluminum oxide; (Alumina)	1344-28-1	101.96	mg/m^3	4.17	Al2O3	S	2054
81	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7	121.95	mg/m^3	4.98	AlO4P	L	
82	**Aluminum phosphide**	**20859-73-8**	57.95	ppm	2.37	AlP	S crystals	2550 triple pt
83	Aluminum potassium sulfate	10043-67-1	258.2	mg/m^3	10.55	AlKO8S2	S	92
84	Aluminum potassium sulfate, dodecahydrate	7784-24-9	474.39	mg/m^3	19.39	AlH24KO20S2	S	105
85	Aluminum sulfate	10043-01-3	342.151	mg/m^3	13.98	Al2O12S3	S	1040 dec
86	Aluminum tris(dihydrogen phosphate); (Phosphoric acid, aluminum salt (3:1))	13530-50-2	320.96672	mg/m^3	13.12	Al.3(H3.O4.P)	S	
87	Aluminum yellow 4A; (Acid yellow 99)	10343-58-5	517.3	mg/m^3	21.14	C16H12CrN4NaO9S	S	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
66	**Allyltrichlorosilane**	**107-37-9**	117.5	53.0	47.5	1.2011 @ 20ºC		09/05/08		
67	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	220			0.9337 @ 20ºC		10/11/05	10/15/06	12/31/11
68	Alpha-hydroxybenzeneacetic acid, (+-)-; (DL-mandelic acid)	611-72-3				1.3		10/11/05	09/04/09	12/31/11
69	Aluminon	569-58-4	dec					08/07/98	12/05/11	12/05/11
70	Aluminum	7429-90-5	2519	1	1284	2.7		09/30/97	12/01/11	12/01/11
71	Aluminum acetate, basic	7360-44-3						10/11/05	03/03/09	12/31/11
72	Aluminum carbide	1299-86-1	2200 dec			2.36		04/14/04	02/16/10	12/31/11
73	Aluminum chloride	7446-70-0	181	1	100	2.44		08/07/98	12/05/11	12/05/11
74	Aluminum chloride hexahydrate	7784-13-6	182.7	1	100	2.44		04/14/04	04/06/10	12/31/11
75	Aluminum fluoride	7784-18-1	1276 subl	1	1238	3.1		09/30/97	12/05/11	12/31/11
76	Aluminum grey LB; (Acid black 60)	12218-95-0						04/14/04	01/18/12	01/18/12
77	Aluminum hexafluorosilicate	17099-70-6						08/17/07	03/01/10	12/31/11
78	Aluminum hydroxide	21645-51-2				2.42		09/30/97	03/29/10	12/31/11
79	Aluminum oxide hydrate	1333-84-2						10/11/05	03/29/10	03/01/10
80	Aluminum oxide; (Alumina)	1344-28-1	2977	7.5	2351	3.99		11/30/92	03/29/10	03/29/10
81	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7						08/07/98	12/05/11	12/05/11
82	**Aluminum phosphide**	**20859-73-8**				2.4 @ 20C		12/08/02	02/13/12	02/13/12
83	Aluminum potassium sulfate	10043-67-1				1.75		08/07/98	12/05/11	12/05/11
84	Aluminum potassium sulfate, dodecahydrate	7784-24-9				1.72		04/14/04	03/01/10	12/31/11
85	Aluminum sulfate	10043-01-3				1.61		07/09/97	03/01/10	12/31/11
86	Aluminum tris(dihydrogen phosphate); (Phosphoric acid, aluminum salt (3:1))	13530-50-2						10/11/05	03/01/10	12/31/11
87	Aluminum yellow 4A; (Acid yellow 99)	10343-58-5						04/14/04	01/18/12	01/18/12

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
88	Aluminum(III) isopropylate	555-31-7	204.28	mg/m^3	8.35	C9.H21.O3.Al	S	
89	Aluminum(III) nitrate (1:3)	13473-90-0	212.997	mg/m^3	8.71	AlN3O9	S	dec
90	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	375.19	mg/m^3	15.33	AlH18N3O18	S	73.5
91	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	162.05	mg/m^3	6.62	Al2O5Si	S crystals	1000 dec
92	Amberlite IR-120(PLUS) ion-exchange resin	78922-04-0		mg/m^3		[Unknown]	S	
93	Amberlite IR-120plus ion-exchange resin, sodium form; (Cation exchange resin)	9002-23-7		mg/m^3		[Unknown]	S	
94	Amberlite IRA-400(CI); (Amberlite IRA-400, ion-exchange resin)	9002-24-8		mg/m^3		[Unknown]	S	
95	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8		mg/m^3		[Unknown]	S	
96	Amberlite MB-1 ion-exchange resin; (Amberlite MB-150)	100915-96-6		mg/m^3		[Unknown]	S	0
97	Amberlite XAD-16 resin	104219-63-8		mg/m^3		(C10.H10)n	S	
98	Amberlite XAD-2 resin, purified	9060-05-3		mg/m^3		[Unspecified]	S	
99	Amberlite XAD-7HP	37380-43-1		mg/m^3		[Unknown]	S	
100	Amberlyst 15 ion-exchange resin	9037-24-5		mg/m^3		[Unknown]	S	
101	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	303.32	mg/m^3	12.40	C10H9NO6S2	S	
102	Amino-1-propanol, 3-	156-87-6	75.13	mg/m^3	3.07	C3H9NO	L	12.4
103	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	181.1882	mg/m^3	7.41	C4.H11.N.O3-C2.H4.O2	S	
104	Amino-2-methyl-2-propanol, 1-	2854-16-2	89.16	mg/m^3	3.64	C4H11NO	L	
105	Amino-4,6-dinitrotoluene, 2-	35572-78-2	197.17	mg/m^3	8.06	C7H7N3O4	S	
106	Aminoacetaldehyde diethyl acetal; (2,2-Diethoxyethylamine)	645-36-3	133.189	mg/m^3	5.44	N.H2.C.H2.C.H.(O.C2.H5)2	L	-78
107	Aminoacetaldehyde dimethyl acetal; (2,2-Dimethoxyethylamine)	22483-09-6	1056.14	mg/m^3	43.17	C4.H11.N.O2	L	
108	Aminoanthraquinone, 2-	117-79-3	223.24	mg/m^3	9.12	C14.H9.N.O2	L	302-306
109	Aminobenzoic acid, p-	150-13-0	137.15	mg/m^3	5.61	C7.H7.N.O2	S	188.5

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
88	Aluminum(III) isopropylate	555-31-7	125 @ 10 mm			1.025 @ 20C		10/11/05	03/01/10	12/31/11
89	Aluminum(III) nitrate (1:3)	13473-90-0						09/30/97	03/29/10	12/31/11
90	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	150 dec					01/04/99	03/29/10	12/31/11
91	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7				3.68		09/30/97	12/05/11	12/31/11
92	Amberlite IR-120(PLUS) ion-exchange resin	78922-04-0				1.2		04/14/04	03/06/09	12/31/11
93	Amberlite IR-120plus ion-exchange resin, sodium form; (Cation exchange resin)	9002-23-7		17	20			10/11/05	03/06/09	12/31/11
94	Amberlite IRA-400(CI); (Amberlite IRA-400, ion-exchange resin)	9002-24-8						10/11/05	03/06/09	12/31/11
95	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8						10/11/05	03/06/09	10/11/05
96	Amberlite MB-1 ion-exchange resin; (Amberlite MB-150)	100915-96-6	100			1.000		04/14/04	03/06/09	03/06/09
97	Amberlite XAD-16 resin	104219-63-8						04/14/04	04/10/09	12/31/11
98	Amberlite XAD-2 resin, purified	9060-05-3				1.02		04/14/04	03/06/09	12/31/11
99	Amberlite XAD-7HP	37380-43-1				0.656		10/11/05	03/06/09	12/31/11
100	Amberlyst 15 ion-exchange resin	9037-24-5		17	20			04/14/04	03/06/09	12/31/11
101	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7						08/07/98	08/17/07	12/31/11
102	Amino-1-propanol, 3-	156-87-6	187	2.1	60	0.9824 @ 20C		10/11/05	12/05/11	12/31/11
103	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8						10/11/05	10/15/06	12/31/11
104	Amino-2-methyl-2-propanol, 1-	2854-16-2	151			0.929		09/30/97	08/19/09	12/31/11
105	Amino-4,6-dinitrotoluene, 2-	35572-78-2						08/07/98	12/05/11	12/31/11
106	Aminoacetaldehyde diethyl acetal; (2,2-Diethoxyethylamine)	645-36-3	160-163			0.916		10/31/92	08/19/09	12/31/11
107	Aminoacetaldehyde dimethyl acetal; (2,2-Dimethoxyethylamine)	22483-09-6	135-138			0.975		10/31/92	08/19/09	12/31/11
108	Aminoanthraquinone, 2-	117-79-3	subl					06/13/02	07/18/08	12/31/11
109	Aminobenzoic acid, p-	150-13-0		0.00028	25	1.374		10/11/05	02/25/08	12/31/11

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110	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	205.42	mg/m^3	8.40	C9.H23.N.O2.Si	L	
111	Aminodiphenyl, p-	92-67-1	169.222	mg/m^3	6.92	C12H11N	S	53.5
112	Aminoethoxy)ethanol, 2-(2-	929-06-6	105.16	mg/m^3	4.30	C4.H11.N.O2	L	-12.5
113	Aminoethyl)diphenylborinic acid, o-(2-; (Diphenylboronic acid, ethanolamine ester)	524-95-8	225.12	mg/m^3	9.20	C14H16BNO		
114	Aminoethylethanolamine	111-41-1	104.18	mg/m^3	4.26	C4H12N2O	L	
115	Aminoethylpiperazine, N-	140-31-8	129.203	mg/m^3	5.28	C6H15N3	L	17.6
116	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	115.25	ppm	4.71	C7H17N		
117	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	302.2646	mg/m^3	12.35	C4H14N8O6S	S	190
118	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	109.14	mg/m^3	4.46	C6H7NO	S crystals	173
119	Aminophenol, m-	591-27-5	109.14	mg/m^3	4.46	C6H7NO	S	123
120	Aminopropiophenone, 4-	70-69-9	149.21	mg/m^3	6.10	C9H11NO	S	140
121	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	191.39	mg/m^3	7.82	C8H21NO2Si	L	
122	Aminopropyltriethoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	221.42	mg/m^3	9.05	C9H23NO3Si	L	
123	Aminopterin; (Aminopteridine)	54-62-6	440.47	mg/m^3	18.00	C19H20N8O5	L/S	
124	Aminopyrazine	5049-61-6	95	ppm	3.88	C4H5N3		
125	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	94.13	mg/m^3	3.85	C5H6N2	S	158
126	Amiton oxalate	3734-97-2	359.42	mg/m^3	14.69	C12H26NO7PS	S	98-99
127	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	269.38	mg/m^3	11.01	C10H24NO3PS	L	
128	Amitrole	61-82-5	84.08	mg/m^3	3.44	C2H4N4	S	159
129	**Ammonia**	**7664-41-7**	17.031	ppm	0.70	H3N	G	-77.7
130	Ammonia-d3	13550-49-7	20.0487	ppm	0.82	D3N	G	
131	Ammonium acetate	631-61-8	77.1	mg/m^3	3.15	C2H7NO2	S crystals	114

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
110	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	220	0.06	25			12/08/02	03/06/09	12/31/11
111	Aminodiphenyl, p-	92-67-1	302	5.79x10-4	25	1.16 no temp		09/30/97	08/19/09	12/31/11
112	Aminoethoxy)ethanol, 2-(2-	929-06-6	221			1.0572 @ 20C		08/17/07		12/31/11
113	Aminoethyl)diphenylborinic acid, o-(2-; (Diphenylboronic acid, ethanolamine ester)	524-95-8						10/31/92	08/20/09	12/31/11
114	Aminoethylethanolamine	111-41-1	243.7	<0.01	20	1.0304 @ 20C	10000	08/17/07		12/31/11
115	Aminoethylpiperazine, N-	140-31-8	220			0.985		07/09/97	08/20/09	12/31/11
116	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4						12/08/02	10/15/06	12/31/11
117	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5				1.61		10/11/05	03/06/09	12/31/11
118	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	subl 174	0.0005	25	1.328		08/07/98	12/05/11	12/31/11
119	Aminophenol, m-	591-27-5	164			1.195		10/11/05	03/06/09	12/31/11
120	Aminopropiophenone, 4-	70-69-9						12/08/02	03/06/09	12/31/11
121	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	197-199	2.25	55	0.916		10/31/92	03/06/09	12/31/11
122	Aminopropyltriethoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	217			0.94 @ 20C		10/11/05	03/06/09	12/31/11
123	Aminopterin; (Aminopteridine)	54-62-6						06/13/02	03/06/09	12/31/11
124	Aminopyrazine	5049-61-6						12/08/02	03/06/09	
125	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	273					06/13/02	03/06/09	12/31/11
126	Amiton oxalate	3734-97-2	110 @ 0.2 mm	0.01	80			12/08/02	03/06/09	12/31/11
127	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	110 @ 0.2 mm	0.01	80			12/08/02	03/09/09	12/31/11
128	Amitrole	61-82-5		4.4x10-7	25	1.138 @ 20C		12/30/95	08/20/09	12/31/11
129	**Ammonia**	**7664-41-7**	-33.3	750	-33.6	0.696	150000	11/30/92	08/20/09	10/11/05
130	Ammonia-d3	13550-49-7						10/31/92	08/20/09	03/09/09
131	Ammonium acetate	631-61-8				1.073		08/07/98	12/05/11	12/31/11

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132	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	195.13	mg/m^3	7.98	AlF6H12N3	S	
133	Ammonium benzoate	1863-63-4	139.17	mg/m^3	5.69	C7H9NO2	S	198 decom
134	Ammonium bicarbonate	1066-33-7	79.1	mg/m^3	3.23	CH5NO3	S	107.5
135	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	115.11	mg/m^3	4.70	H5NO4S	S	146.9
136	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	99.11	mg/m^3	4.05	H5NO3S	S	dec
137	Ammonium bromide	12124-97-9	97.96	mg/m^3	4.00	BrH4N	S	452 subl.
138	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	78.09	mg/m^3	3.19	CH6N2O2	S	60 sublms
139	Ammonium carbonate	506-87-6	96.11	mg/m^3	3.93	CH8N2O3	S	107.5
140	Ammonium chloride	12125-02-9	53.5	mg/m^3	2.19	ClH4N	S	337.8
141	Ammonium chromate	7788-98-9	152.1	mg/m^3	6.22	CrH8N2O4	S	180 decom
142	Ammonium citrate	7632-50-0	226.18	mg/m^3	9.24	C6H8O7 (H3N)x	S crystals	
143	Ammonium citrate tribasic	3458-72-8	243.2162	mg/m^3	9.94	C6H8O7(NH3)3	S	
144	Ammonium citrate, dibasic	3012-65-5	226.19	mg/m^3	9.24	C6H14N2O7	S crystals	
145	Ammonium dichromate	7789-09-5	252.1	mg/m^3	10.30	Cr2H8N2O7	S	dec
146	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	115.03	mg/m^3	4.70	H6NO4P	S	190
147	Ammonium ferrous sulfate hexahydrate	7783-85-9	356.09	mg/m^3	14.55	FeH16N2O14S	S	
148	Ammonium fluoborate	13826-83-0	104.86	mg/m^3	4.29	BF4H4N	S	230
149	Ammonium fluoride	12125-01-8	37.05	mg/m^3	1.51	FH4N	S crystals	238
150	Ammonium formate	540-69-2	63.07	mg/m^3	2.58	CH5NO2	S	116
151	Ammonium hexachlorohydrate (III)	z-0001		mg/m^3		[Unknown]	S	
152	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	178.19	mg/m^3	7.28	F6H8N2Si	S	subl
153	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	57.06	mg/m^3	2.33	F2H5N	S	126

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

Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
132	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2						08/07/98	12/05/11	12/31/11
133	Ammonium benzoate	1863-63-4	160 sublms			1.26		08/21/96	11/17/09	12/31/11
134	Ammonium bicarbonate	1066-33-7				1.586		08/07/98	12/05/11	12/05/11
135	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6				1.78		01/10/01	03/09/09	12/31/11
136	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	150 subl			2.03		09/30/97	08/20/09	12/31/11
137	Ammonium bromide	12124-97-9	235 in vacuum	1	198.3	2.429		10/11/05	02/01/08	12/31/11
138	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	60					06/13/02	05/27/08	12/31/11
139	Ammonium carbonate	506-87-6	dec			1.586		08/07/98	12/05/11	12/31/11
140	Ammonium chloride	12125-02-9	520	1	160.4 subl	1.52		08/07/98	12/05/11	12/05/11
141	Ammonium chromate	7788-98-9				1.91 @ 12C		06/13/02	01/18/12	01/18/12
142	Ammonium citrate	7632-50-0				1.48		08/07/98	12/05/11	12/05/11
143	Ammonium citrate tribasic	3458-72-8						10/11/05	12/05/11	12/05/11
144	Ammonium citrate, dibasic	3012-65-5	decom			1.48 @ 25C		06/13/02	12/05/11	12/05/11
145	Ammonium dichromate	7789-09-5				2.936		08/07/98	12/05/11	12/05/11
146	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1				1.803		03/01/00	02/01/08	12/31/11
147	Ammonium ferrous sulfate hexahydrate	7783-85-9						01/04/99	03/10/09	12/31/11
148	Ammonium fluoborate	13826-83-0	238 subl			1.871 @ 15C		06/13/02	05/29/09	12/31/11
149	Ammonium fluoride	12125-01-8				1.00925		08/07/98	12/05/11	12/31/11
150	Ammonium formate	540-69-2	180 dec			1.28		08/07/98	12/05/11	12/31/11
151	Ammonium hexachlorohydrate (III)	z-0001						08/07/98	12/05/11	12/31/11
152	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0				2.01		08/07/98	12/05/11	12/31/11
153	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	239			1.51		08/07/98	12/05/11	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
154	Ammonium hydrogen oxalate hemihydrate	37541-72-3	232.146	mg/m^3	9.49	C4H10N2O8H2O	S	220
155	Ammonium hydroxide	1336-21-6	35.046	ppm	1.43	H5NO	L	-77
156	Ammonium iodide	12027-06-4	145	mg/m^3	5.93	H4IN	S	551 subl
157	Ammonium lactate	515-98-0	107.11	mg/m^3	4.38	C3H9NO3	S crystals	92
158	Ammonium lignin sulfonate	8061-53-8		mg/m^3		[Unspecified]		
159	Ammonium molybdate(VI) tetrahydrate	12054-85-2	1235.87	mg/m^3	50.51	Mo7.O24.H24.N6	S	90
160	Ammonium molybdate; (Diammonium molybdate)	13106-76-8	196.04	mg/m^3	8.01	H8MoN2O4	S	dec
161	Ammonium molybdophosphate	12026-66-3	1876.35	mg/m^3	76.69	(N.H4)3.12(Mo.O3).P.O4	S	dec.
162	Ammonium nickel sulfate	15699-18-0	286.93	mg/m^3	11.73	H8N2NiO8S2	S	
163	Ammonium nitrate	6484-52-2	80.06	mg/m^3	3.27	H4N2O3	S crystals	169.6
164	Ammonium oxalate monohydrate	5972-73-6	125.08	mg/m^3	5.11	C2H7NO5	S	
165	Ammonium oxalate; (Diammonium oxalate monohydrate)	6009-70-7	142.11	mg/m^3	5.81	C2.H10.N2.O5. or (N.H4)2.C2.O4.H2.O	S	70 decom
166	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	124.12	mg/m^3	5.07	C2H8N2O4	S	dec
167	Ammonium pentaborate	12007-89-5	272.14	mg/m^3	11.12	B5H4NO8	S	
168	Ammonium perchlorate	7790-98-9	117.5	mg/m^3	4.80	ClH4NO4	S vs	dec
169	Ammonium permanganate	13446-10-1	136.99	mg/m^3	5.60	H4MnNO4	S	expl
170	Ammonium persulfate	7727-54-0	228.22	mg/m^3	9.33	H8N2O8S2	S	120 dec
171	Ammonium phosphate dibasic; (Diammonium phosphate)	7783-28-0	132.08	mg/m^3	5.40	H9N2O4P	S	185 dec
172	Ammonium picrate	131-74-8	246.135	mg/m^3	10.06	C6H6N4O7	S	dec
173	Ammonium polyacrylate	9003-03-6		mg/m^3		(C3.H4.O2)x.x H3.N	S	
174	Ammonium sulfamate	7773-06-0	144.124	mg/m^3	5.89	H7N2O3S	S	131
175	Ammonium sulfate	7783-20-2	132.16	mg/m^3	5.40	H8N2O4S	S	>280

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
154	Ammonium hydrogen oxalate hemihydrate	37541-72-3						10/11/05	04/02/08	12/31/11
155	Ammonium hydroxide	1336-21-6	36	2160	25	0.9 @ 25C/25C		08/21/96	11/21/11	11/21/11
156	Ammonium iodide	12027-06-4	220 vac	1	210.9	2.51425		08/07/98	08/17/07	12/31/11
157	Ammonium lactate	515-98-0						01/04/99	12/05/11	12/31/11
158	Ammonium lignin sulfonate	8061-53-8						09/30/97	08/20/09	12/31/11
159	Ammonium molybdate(VI) tetrahydrate	12054-85-2	180 dec			2.498		04/14/04	03/29/10	12/31/11
160	Ammonium molybdate; (Diammonium molybdate)	13106-76-8				2.27		08/07/98	03/29/10	12/31/11
161	Ammonium molybdophosphate	12026-66-3						08/07/98	03/29/10	12/31/11
162	Ammonium nickel sulfate	15699-18-0				1.923		01/10/01	03/29/10	12/31/11
163	Ammonium nitrate	6484-52-2	200-260 dec			1.725		08/07/98	12/05/11	12/05/11
164	Ammonium oxalate monohydrate	5972-73-6						06/13/02	10/15/06	12/31/11
165	Ammonium oxalate; (Diammonium oxalate monohydrate)	6009-70-7				1.50 @ 18.5C		06/13/02	10/15/06	12/31/11
166	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8				1.5		08/07/98	12/05/11	12/31/11
167	Ammonium pentaborate	12007-89-5				1.58 @ 15C		01/04/99	03/25/09	12/31/11
168	Ammonium perchlorate	7790-98-9				1.95		06/13/02	03/25/09	12/31/11
169	Ammonium permanganate	13446-10-1				2.208		01/10/01	03/25/09	12/31/11
170	Ammonium persulfate	7727-54-0				1.982		08/07/98	03/25/09	12/31/11
171	Ammonium phosphate dibasic; (Diammonium phosphate)	7783-28-0				1.619		08/07/98	12/05/11	12/31/11
172	Ammonium picrate	131-74-8	423 expl			1.72		08/21/96	11/17/09	12/31/11
173	Ammonium polyacrylate	9003-03-6						10/11/05	03/25/09	10/11/05
174	Ammonium sulfamate	7773-06-0	160 dec	0	No temp	1.77 no temp		08/21/96	08/20/09	12/31/11
175	Ammonium sulfate	7783-20-2				1.77		01/04/99	10/15/06	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
176	Ammonium sulfide	12135-76-1	68.14	ppm	2.78	H8N2S	L	decom
177	Ammonium sulfite	10196-04-0	116.14	mg/m^3	4.75	H8N2O3S	S	
178	Ammonium sulfite monohydrate	7783-11-1	134.156	mg/m^3	5.48	(N.H4)2.S.O3.H2.O	S	60-70
179	Ammonium tartrate; (Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, ammonium salt)	14307-43-8	184	mg/m^3	7.52	C4H6O6.(NH3)x	S	
180	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	184.18	mg/m^3	7.53	C4H12N2O6	S	
181	Ammonium thiocyanate	1762-95-4	76.13	mg/m^3	3.11	CH4N2S	S del	149.6
182	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	148.22	mg/m^3	6.06	H8N2O3S2	S	150 dec
183	Ammonium tungstate(VI)	11120-25-5	3042.44	mg/m^3	124.35	(N.H4)10.W12.O41	S	
184	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	116.979	mg/m^3	4.78	H4NO3V	S	200 dec
185	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	364.53	mg/m^3	14.90	C19H42BrN	S	237-243
186	Ammonium, tetraethyl-, bromide; (Tetraethyl ammonium bromide)	71-91-0	210.2	mg/m^3	8.59	C8.H20.N.Br	S hygr	286 dec
187	Ammonium, tetramethyl-, bromide; (Tetramethylammonium bromide)	64-20-0	154.08	mg/m^3	6.30	C4.H12.Br.N	S hygr.	dec. >230
188	Amosite	12172-73-5	1908.6024	mg/m^3	78.01	11 Fe.O.3 Mg.O.16 Si.O2.2 H2.O	S fibre	
189	Amphetamine; (Benzedrine)	300-62-9	135.23	mg/m^3	5.53	C9.H13.N	L	
190	Amyl acetate	628-63-7	130.21	ppm	5.32	C7H14O2	L	-78.5
191	Amyl alcohol; (1-Pentanol)	71-41-0	88.17	ppm	3.60	C5H12O	L	-79
192	Amyl methyl ether, tert-; (TAME)	994-05-8	102.2	ppm	4.18	C6.H14.O	L	
193	Amylamine, n-; (1-Pentylamine)	110-58-7	87.19	mg/m^3	3.56	C5.H13.N	L	
194	**Amyltrichlorosilane; (Pentyltrichlorosilane)**	**107-72-2**	205.6	ppm	8.40	C5.H11.Cl3.Si	L	
195	Anhydrone; (Magnesium perchlorate)	10034-81-8	223.21	mg/m^3	9.12	Cl2MgO8	S	251 dec
196	**Aniline**	**62-53-3**	93.127	ppm	3.81	C6H7N	L	-6.02
197	Anisidine, o-	90-04-0	123.152	mg/m^3	5.03	C7H9NO	L	6.2

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
176	Ammonium sulfide	12135-76-1	104				40000	06/13/02	07/18/08	12/31/11
177	Ammonium sulfite	10196-04-0				> 1.1 @ 20C		06/13/02	01/19/09	12/31/11
178	Ammonium sulfite monohydrate	7783-11-1	230-245 decomp			1.41		10/11/05	07/18/08	12/31/11
179	Ammonium tartrate; (Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, ammonium salt)	14307-43-8	decom			1.6 @ 25C		06/13/02	01/19/09	12/31/11
180	Ammonium tartrate; (Diammonium tartrate)	3164-29-2				1.601		06/13/02	01/19/09	12/31/11
181	Ammonium thiocyanate	1762-95-4	170 dec			1.305		08/07/98	10/15/06	12/31/11
182	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8				1.679		09/30/97	08/20/09	12/31/11
183	Ammonium tungstate(VI)	11120-25-5				2.3		10/11/05	03/25/09	12/31/11
184	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6				2.326		12/30/95	08/20/09	12/31/11
185	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0						01/04/99	01/25/12	01/25/12
186	Ammonium, tetraethyl-, bromide; (Tetraethyl ammonium bromide)	71-91-0				1.3970 @ 20C		10/11/05	10/15/06	12/31/11
187	Ammonium, tetramethyl-, bromide; (Tetramethylammonium bromide)	64-20-0	subl. >360 dec.			1.5		10/11/05	10/15/06	12/31/11
188	Amosite	12172-73-5						01/04/99	05/29/09	12/31/11
189	Amphetamine; (Benzedrine)	300-62-9	203			0.931		12/08/02	03/25/09	12/31/11
190	Amyl acetate	628-63-7	148.4			0.879	11000	08/07/98	03/25/09	12/31/11
191	Amyl alcohol; (1-Pentanol)	71-41-0	137.8	10	44.9	0.8168	12000	08/07/98	03/25/09	12/31/11
192	Amyl methyl ether, tert-; (TAME)	994-05-8	86.1	75.2	25	0.766		10/11/05	03/25/09	12/31/11
193	Amylamine, n-; (1-Pentylamine)	110-58-7					22000	06/13/02	03/25/09	12/31/11
194	**Amyltrichlorosilane; (Pentyltrichlorosilane)**	**107-72-2**	172			1.1330 @ 20C		07/02/08		
195	Anhydrone; (Magnesium perchlorate)	10034-81-8				2.6		08/07/98	12/06/11	12/31/11
196	**Aniline**	**62-53-3**	184.17	0.75	26.7	1.0217 @ 20C	13000	12/30/95	08/20/09	10/11/05
197	Anisidine, o-	90-04-0	224	8.0x10-2	25	1.0923 @ 20C		09/30/97	08/20/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
198	Anisidine, p-	104-94-9	123.152	mg/m^3	5.03	C7H9NO	S	57.2
199	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	108.15	mg/m^3	4.42	C7H8O	L	-37.3
200	Anthracene	120-12-7	178.229	mg/m^3	7.28	C14H10	S	215.76
201	Anthracenedisulfonic acid, 4,8-diamino-9,10-dihydro-1,5-dihydroxy-9,10-dioxo, disodium salt, 2,6-; (Acid Blue 45; Alizarine Blue)	2861-02-1	474.34	mg/m^3	19.39	C14H8N2Na2O10S2	S	
202	Anthranilic acid	118-92-3	137.15	mg/m^3	5.61	C7.H7.N.O2	S	144-146
203	Anthraquinone	84-65-1	208.22	mg/m^3	8.51	C14H8O2	S	286
204	Antimony	7440-36-0	121.76	mg/m^3	4.98	Sb	S	630.628
205	Antimony hydroxide	39349-74-1	172.7719	mg/m3	7.061426	Sb.(OH)3	S	
206	Antimony oxide	1309-64-4	291.518	mg/m^3	11.91	O3Sb2	S	655
207	Antimony pentachloride	7647-18-9	299.01	mg/m^3	12.22	Cl5Sb	S	4
208	Antimony pentafluoride	7783-70-2	216.75	mg/m^3	8.86	F5Sb	L	7
209	Antimony pentasulfide	1315-04-4	403.8	mg/m^3	16.50	S5Sb2	S	75 decom
210	Antimony potassium tartrate trihydrate	28300-74-5	667.87	mg/m^3	27.30	C8H10K2O15Sb2	S	100 lose water
211	Antimony trichloride	10025-91-9	228.119	mg/m^3	9.32	Cl3Sb	S	73.4
212	Antimony trifluoride	7783-56-4	178.75	mg/m^3	7.31	F3Sb	S	292
213	Antimycin A	1397-94-0	548.7	mg/m^3	22.43	C28H40N2O9	S	
214	Antioxidant G-16 (most toxic antioxident)	61373-87-3		mg/m^3		[Unknown]	L	
215	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	99.47	ppm	4.07	3H.Cl.H.N.O3	L	
216	Arginine, L-	74-79-3	174.2	mg/m^3	7.12	C6H14N4O2	S	207
217	Argon	7440-37-1	39.94	ppm	1.63	Ar	G	-189.2
218	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic)	64742-95-6	100	ppm	4.09	[Unspecified]	L	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
198	Anisidine, p-	104-94-9	243	3.0x10-2	20	1.071 @ 57		09/30/97	08/20/09	12/31/11
199	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	153.8	10	42.2	1.515	3400	04/14/04	10/15/06	12/31/11
200	Anthracene	120-12-7	339.9	7.5x10-3	89.2	1.28	6000	07/09/97	08/20/09	12/31/11
201	Anthracenedisulfonic acid, 4,8-diamino-9,10-dihydro-1,5-dihydroxy-9,10-dioxo, disodium salt, 2,6-; (Acid Blue 45; Alizarine Blue)	2861-02-1						04/14/04	10/15/06	12/31/11
202	Anthranilic acid	118-92-3	subl.			1.412 @ 20C		10/11/05	10/15/06	12/31/11
203	Anthraquinone	84-65-1	376.9	1	190	1.438		08/07/98	03/25/09	12/31/11
204	Antimony	7440-36-0	1587	7.5x10-3	534	6.68		08/21/96	08/20/09	12/31/11
205	Antimony hydroxide	39349-74-1						05/24/10		12/31/11
206	Antimony oxide	1309-64-4	1425	7.5x10-3	426.1	5.58		09/30/97	11/17/09	12/31/11
207	Antimony pentachloride	7647-18-9	140	1	22.7	2.336		08/07/98	12/06/11	12/06/11
208	Antimony pentafluoride	7783-70-2	149.5			2.99 @ 23C		06/13/02	03/26/09	12/31/11
209	Antimony pentasulfide	1315-04-4				4.12		06/13/02	03/26/09	12/31/11
210	Antimony potassium tartrate trihydrate	28300-74-5				2.607		08/07/98	12/06/11	12/06/11
211	Antimony trichloride	10025-91-9	220.3	1	49.2	3.14		09/30/97	08/20/09	12/31/11
212	Antimony trifluoride	7783-56-4	376	200	292	4.379 @ 20.9C		06/13/02	03/26/09	12/31/11
213	Antimycin A	1397-94-0		0.00001	25			06/13/02	03/26/09	12/31/11
214	Antioxidant G-16 (most toxic antioxident)	61373-87-3						09/30/97	11/11/09	12/31/11
215	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5						03/01/00	03/26/09	12/31/11
216	Arginine, L-	74-79-3						08/07/98	03/26/09	12/31/11
217	Argon	7440-37-1	-185.7			1.633 g/L		01/10/01	03/31/10	08/20/09
218	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic)	64742-95-6					8000	09/30/97	08/20/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
219	Aromatic isocyanate mixture "SWD 305A"	z-0111		mg/m^3			L	
220	Arsenic	7440-38-2	74.92	mg/m^3	3.06	As	S	817 triple point
221	Arsenic acid; (o-Arsenic acid)	7778-39-4	141.94	mg/m^3	5.80	AsH3O4	L or S	35
222	Arsenic pentoxide	1303-28-2	229.84	mg/m^3	9.39	As2O5	S	315
223	**Arsenic trioxide**	**1327-53-3**	197.84	mg/m^3	8.09	As2O3	S	274
224	Arsenous acid	13464-58-9	125.94	mg/m^3	5.15	AsH3O3	V	
225	Arsenous trichloride	7784-34-1	181.27	mg/m^3	7.41	AsCl3	L	-16
226	**Arsine**	**7784-42-1**	77.95	ppm	3.19	AsH3	G	-116
227	Asbestos	1332-21-4		mg/m^3		[Unspecified]	S fibers	
228	Asbestos (Chrysotile)	12001-29-5		mg/m^3		H4Mg3O9Si2	S fibrs	800-850
229	Ascaridole	512-85-6	168.26	mg/m^3	6.88	C10.H16.O2	L	3.3
230	Ascarite; (Asbestos, 1332-21-4)	81133-20-2		mg/m^3		[Unspecified]	S	
231	Ascorbic acid	50-81-7	176.14	mg/m^3	7.20	C6H8O6	S	192
232	Asphalt; (Bitumen)	8052-42-4a		mg/m^3		[Unspecified]	S	
233	Auramine; (4,4'-(Imidocarbonyl)bis(N,N-dimethylamine) monohydrochloride)	2465-27-2	321.85	mg/m^3	13.15	C17H22ClN3	S	267
234	Azaserine; (L-Serine, diazoacetate (ester))	115-02-6	173.15	mg/m^3	7.08	C5.H7.N3.O4	S	157
235	Azinphos ethyl; (Ethyl guthion)	2642-71-9	345.4	mg/m^3	14.12	C12.H16.N3.O3.P.S2	S	53
236	Azinphos methyl; (Guthion)	86-50-0	317.34	mg/m^3	12.97	C10.H12.N3.O3.P.S2	S	74
237	Aziridine homopolymer; (Ethylenimine homopolymer; Poly(ethyleneimine))	9002-98-6	10000	mg/m^3	408.71	(C2.H5.N)x	L	
238	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	164.24	mg/m^3	6.71	C8.H12.N4	S	107 dec
239	Azodicarbamide; (Azodicarbonamide)	123-77-3	116.1	mg/m^3	4.75	C2.H4.N4.O2	S	225
240	Bacto peptone	51142-18-8		mg/m^3		[Unspecified]		

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
219	Aromatic isocyanate mixture "SWD 305A"	z-0111						07/11/07	03/27/09	
220	Arsenic	7440-38-2	616 sublimation point	7.5x10-3	280	5.75		11/30/92	08/21/09	12/31/11
221	Arsenic acid; (o-Arsenic acid)	7778-39-4	160			2.2 No temp		09/30/97	03/31/10	12/31/11
222	Arsenic pentoxide	1303-28-2				4.32		09/30/97	03/31/10	12/31/11
223	**Arsenic trioxide**	**1327-53-3**	460	7.5x10-3	133.7	3.86		07/09/97	03/31/10	12/31/11
224	Arsenous acid	13464-58-9						12/08/02	07/06/10	12/31/11
225	Arsenous trichloride	7784-34-1	130	10	23.5	2.15		03/01/00	12/06/11	12/31/11
226	**Arsine**	**7784-42-1**	-62.5	1.1x10+4	20	3.186	50000	11/30/92	03/31/10	12/31/11
227	Asbestos	1332-21-4						01/10/01	03/31/10	12/31/11
228	Asbestos (Chrysotile)	12001-29-5				2.19 -2.56 No temp		07/09/97	03/31/10	12/31/11
229	Ascaridole	512-85-6						12/08/02	10/15/06	12/31/11
230	Ascarite; (Asbestos, 1332-21-4)	81133-20-2						04/14/04	03/30/09	12/31/11
231	Ascorbic acid	50-81-7						08/07/98	10/15/06	12/31/11
232	Asphalt; (Bitumen)	8052-42-4a	>700 deg F	0.018 lb/sq in	210 deg F	1.00-1.18 No temp		07/09/97	11/11/09	12/31/11
233	Auramine; (4,4'-(Imidocarbonyl)bis(N,N-dimethylamine) monohydrochloride)	2465-27-2						12/30/95	08/21/09	12/31/11
234	Azaserine; (L-Serine, diazoacetate (ester))	115-02-6	decom	1.53 E-10	25			06/13/02	02/17/12	02/17/12
235	Azinphos ethyl; (Ethyl guthion)	2642-71-9	111 @ 0.001 mm	0.0000032	20	1.284 @ 20C		12/08/02	03/30/09	12/31/11
236	Azinphos methyl; (Guthion)	86-50-0				1.44		12/08/02	03/31/10	12/31/11
237	Aziridine homopolymer; (Ethylenimine homopolymer; Poly(ethyleneimine))	9002-98-6						07/11/07	03/30/09	12/31/11
238	Azobis(2-methylpropionitrile), 2,2'-	78-67-1						10/11/05	03/30/09	12/31/11
239	Azodicarbamide; (Azodicarbonamide)	123-77-3				1.65 @ 20C		06/13/02	03/30/09	12/31/11
240	Bacto peptone	51142-18-8						04/14/04	03/30/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
241	Barbituric acid	67-52-7	128.1	mg/m^3	5.24	C4H4N2O3	S	245
242	Barium	7440-39-3	137.327	mg/m^3	5.61	Ba	S	727
243	Barium acetate; (Barium acetate anhydrous)	543-80-6	255.44	mg/m^3	10.44	C4H6BaO4	S	
244	Barium carbonate	513-77-9	197.35	mg/m^3	8.07	BaCO3	S	dec
245	Barium chloride	10361-37-2	208.233	mg/m^3	8.51	BaCl2	S crystals	961
246	Barium chloride dihydrate	10326-27-9	244.28	mg/m^3	9.98	BaCl2H4O2	S	962
247	Barium chromate	10294-40-3	255.36	mg/m^3	10.44	BaCrH2O4	S	
248	Barium cyanide	542-62-1	189.38	mg/m^3	7.74	BaC2N2	S	
249	Barium dioxide; (Barium peroxide)	1304-29-6	169.34	mg/m^3	6.92	Ba.O2	S	450
250	Barium diphenylamine sulfonate	6211-24-1	633.8818	mg/m^3	25.91	C24H22BaN2O6S2	S	300
251	Barium fluoride	7787-32-8	175.324	mg/m^3	7.17	BaF2	S crystals	1368
252	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	233.31	mg/m^3	9.54	BaHO4P	S	400 dec
253	Barium hydroxide	17194-00-2	171.35	mg/m^3	7.00	BaH2O2	S	408
254	Barium hydroxide octahydrate	12230-71-6	315.4662	mg/m^3	12.89	BaH18O10	S pwdr	78/408
255	Barium metaborate	13701-59-2	222.96	mg/m^3	9.11	B2BaO4	S	>900
256	Barium nitrate	10022-31-8	261.336	mg/m^3	10.68	BaN2O6	S	590
257	Barium nitrite	13465-94-6	229.33808	mg/m^3	9.37	BaN2O4	S	267
258	Barium oxide	1304-28-5	153.326	mg/m^3	6.27	BaO	S	1973
259	Barium permanganate	7787-36-2	375.22	mg/m^3	15.34	BaMn2O8	S	200 dec
260	Barium phosphate	13466-20-1	216.3	mg/m^3	8.84	Ba.P.O3	S	
261	Barium stearate	6865-35-6	706.42	mg/m^3	28.87	Ba.C36.H72.O4	S	160
262	Barium sulfate	7727-43-7	233.39	mg/m^3	9.54	BaSO4	S crystals	1580

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
241	Barbituric acid	67-52-7	260 dec					08/07/98	12/06/11	12/06/11
242	Barium	7440-39-3	1897	7.5x10-3	638	3.62		12/30/95	08/21/09	12/31/11
243	Barium acetate; (Barium acetate anhydrous)	543-80-6	725 dec			2.468		04/14/04	04/16/09	12/31/11
244	Barium carbonate	513-77-9				4.43		08/07/98	12/06/11	12/06/11
245	Barium chloride	10361-37-2	1560	essentially zero	No temp	3.9		12/30/95	12/09/11	12/09/11
246	Barium chloride dihydrate	10326-27-9	1560			3.9		04/14/04	08/17/07	12/31/11
247	Barium chromate	10294-40-3				4.498		01/04/99	01/26/12	01/26/12
248	Barium cyanide	542-62-1						06/13/02	08/17/07	12/31/11
249	Barium dioxide; (Barium peroxide)	1304-29-6	800 dec			4.96		12/08/02	04/16/09	12/31/11
250	Barium diphenylamine sulfonate	6211-24-1						08/07/98	04/16/09	12/31/11
251	Barium fluoride	7787-32-8	2260			4.893		12/30/95	01/25/12	01/25/12
252	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3				4.16		08/07/98	04/16/09	12/31/11
253	Barium hydroxide	17194-00-2						08/07/98	12/06/11	12/06/11
254	Barium hydroxide octahydrate	12230-71-6	780	227	77.9	2.18 @ 16C		04/14/04	04/16/09	12/31/11
255	Barium metaborate	13701-59-2				3.3		03/01/00	04/01/10	12/31/11
256	Barium nitrate	10022-31-8				3.24		10/31/92	08/24/09	12/31/11
257	Barium nitrite	13465-94-6				3.234		12/08/02	04/16/09	12/31/11
258	Barium oxide	1304-28-5				5.72		12/30/95	08/24/09	12/31/11
259	Barium permanganate	7787-36-2				3.77		01/10/01	04/01/10	12/31/11
260	Barium phosphate	13466-20-1						08/07/98	04/01/10	12/31/11
261	Barium stearate	6865-35-6				1.145		04/14/04	04/01/10	12/31/11
262	Barium sulfate	7727-43-7	dec >1600			4.49		12/30/95	12/09/11	12/09/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
263	Basic Green 4; (Aizen malachite green)	569-64-2	364.95	mg/m^3	14.92	C23H25ClN2	S	
264	Basic Red 1; (Rhodamine 6G extra base)	989-38-8	479.06	mg/m^3	19.58	C28H31ClN2O3	S	
265	Bathophenanthroline	1662-01-7	175.08	mg/m^3	7.16	C24.H16.N2	S	218-220
266	Bentonite; (Clay absorbent)	1302-78-9		mg/m^3		[Unspecified]	S	
267	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	252.32	mg/m^3	10.31	C20.H12	S	168
268	Benzal chloride	98-87-3	161.03	mg/m^3	6.58	C7H6Cl2	L	-17
269	Benzaldehyde	100-52-7	106.13	ppm	4.34	C7H6O	L	-26
270	Benzamide	55-21-0	121.15	mg/m^3	4.95	C7.H7.N.O	S	130
271	Benzenamine, sulfate (2:1)	542-16-5	284.3294	mg/m^3	11.62	C12.H16.N2.O4.S	S	
272	**Benzene**	**71-43-2**	78.112	ppm	3.19	C6H6	L	5.49
273	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	290.8	mg/m^3	11.89	C6H6Cl6	S	65
274	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	171.59	mg/m^3	7.01	C7H6ClNO2	S	71
275	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	202.05	mg/m^3	8.26	C6H7AsO3	S	160 dec
276	Benzene-d6; (Deuterated benzene)	1076-43-3	84.16	ppm	3.44	C6D6	L	7
277	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	176.62	mg/m^3	7.22	C6H5ClO2S	L	14.5
278	Benzenesulfonic acid, 4-chloro	98-66-8	192.62	mg/m^3	7.87	C6H5ClO3S	S	67
279	Benzenesulfonic acid, 5-chloro-2	z-0114	192.62	mg/m^3	7.87	C6.H5.Cl.O3.S	S	
280	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	218.12	mg/m^3	8.91	C1.0.H2.O6	S	285.3
281	**Benzenethiol; (Thiophenol; Phenyl mercaptan)**	**108-98-5**	110.18	ppm	4.50	C6H6S	L	-14.8
282	Benzidene	92-87-5	184.236	mg/m^3	7.53	C12H12N2	S	127
283	Benzo(a)anthracene	56-55-3	228.29	mg/m^3	9.33	C18H12	S plates	160.5

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
263	Basic Green 4; (Aizen malachite green)	569-64-2						06/13/02	02/25/08	12/31/11
264	Basic Red 1; (Rhodamine 6G extra base)	989-38-8						06/13/02	10/15/06	12/31/11
265	Bathophenanthroline	1662-01-7						01/04/99		12/31/11
266	Bentonite; (Clay absorbent)	1302-78-9						09/30/97	09/01/09	12/31/11
267	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2		0.0000005	20			12/08/02	04/07/09	12/31/11
268	Benzal chloride	98-87-3	205	0.75	31	1.26		12/30/95	11/17/09	12/31/11
269	Benzaldehyde	100-52-7	179	1	26.2	1.041		01/04/99	08/17/07	12/31/11
270	Benzamide	55-21-0	288	0.000165		1.341		06/13/02	10/15/06	12/31/11
271	Benzenamine, sulfate (2:1)	542-16-5				1.38	13000	10/11/05	04/07/09	12/31/11
272	**Benzene**	**71-43-2**	80.09	75	20	0.8765 @ 20C	12000	11/30/92	04/07/09	
273	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1		0.5	60	1.675 No temp		09/30/97	01/17/12	01/17/12
274	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	230	0.05	25			06/13/02	04/07/09	12/31/11
275	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5				1.76		08/07/98	07/06/10	12/31/11
276	Benzene-d6; (Deuterated benzene)	1076-43-3	79			0.95	14000	04/14/04	04/07/10	12/31/11
277	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	251-252	0.068	25	1.384 @ 15C		06/13/02	04/08/09	12/31/11
278	Benzenesulfonic acid, 4-chloro	98-66-8						08/17/07	12/09/11	12/31/11
279	Benzenesulfonic acid, 5-chloro-2	z-0114						08/17/07	12/09/11	02/07/12
280	Benzenetetracarboxylic dianhydride, 1,2,4,5-	89-32-7	397-400	4.8E-06	25	1.68		10/11/05	10/15/06	12/31/11
281	**Benzenethiol; (Thiophenol; Phenyl mercaptan)**	**108-98-5**	169.5	2	25	1.973 @ 25C		06/13/02	04/08/09	08/17/07
282	Benzidene	92-87-5	401			1.25 @ 20C		12/30/95	11/17/09	12/31/11
283	Benzo(a)anthracene	56-55-3	437.6	5x10-9 torr	20			09/30/97	12/19/11	12/31/11

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284	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	252.309	mg/m^3	10.31	C20H12	S	181.1
285	Benzo(ghi)perylene	191-24-2	276.34	mg/m^3	11.29	C22H12	S	277
286	Benzo(k)fluoranthene	207-08-9	252.32	mg/m^3	10.31	C20.H12	S	217
287	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7	424.54	mg/m^3	17.35	[Unknown]		
288	Benzoic acid	65-85-0	122.13	mg/m^3	4.99	C7H6O2	S	122
289	Benzoic acid, sodium salt	532-32-1	144.11	mg/m^3	5.89	C7.H5.O2.Na	S	
290	Benzoin oxime	441-38-3	227.28	mg/m^3	9.29	C14.H13.N.O2		
291	**Benzonitrile**	**100-47-0**	103.13	ppm	4.22	C7H5N	L	-12.8
292	Benzophenone	119-61-9	182.23	mg/m^3	7.45	C13H10O	S	49
293	Benzoquinone, p-; (Quinone)	106-51-4	108.1	ppm	4.42	C6H4O2	S	115
294	Benzothiazole	95-16-9	135.19	mg/m^3	5.53	C7.H5.N.S	L	2
295	Benzotriazole	95-14-7	119.14	mg/m^3	4.87	C6.H5.N3	S	100
296	Benzotrifluoride	98-08-8	146.12	mg/m^3	5.97	C7H5F3	L	-28.95
297	**Benzoyl chloride**	**98-88-4**	140.57	ppm	5.75	C7.H5.ClO	L	-0.5
298	Benzoyl peroxide	94-36-0	242.24	mg/m^3	9.90	C14H10O4	S	106-108.6
299	Benzyl acetate	140-11-4	150.19	ppm	6.14	C9.H10.O2	L	-51
300	Benzyl alcohol	100-51-6	108.138	ppm	4.42	C7H8O	L	-15.4
301	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	225.28	mg/m^3	9.21	C12.H11.N5	S	232.8
302	Benzyl benzoate	120-51-4	212.26	mg/m^3	8.68	C14.H12.O2	L	21
303	**Benzyl chloride**	**100-44-7**	126.584	ppm	5.17	C7H7Cl	L	-45
304	**Benzyl chloroformate; (Carbobenzoxy chloride)**	**501-53-1**	170.6	ppm	6.97	C8.H7.Cl.O2	L	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
284	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	310-312 @ 10mmHg	5.49x10-9	25	1.351 no temp		10/31/92	01/20/12	01/20/12
285	Benzo(ghi)perylene	191-24-2	550	1.00E-09	25			01/04/99	04/08/09	12/31/11
286	Benzo(k)fluoranthene	207-08-9	480	9.7E-10	25			06/13/02	10/15/06	12/31/11
287	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7				0.888		10/11/05	08/17/07	12/31/11
288	Benzoic acid	65-85-0	249	1	96	1.316		08/07/98	12/06/11	12/31/11
289	Benzoic acid, sodium salt	532-32-1						10/11/05	08/17/07	12/31/11
290	Benzoin oxime	441-38-3						10/11/05	02/01/08	12/31/11
291	**Benzonitrile**	**100-47-0**	191			1.246	14000	01/04/99	04/08/09	12/31/11
292	Benzophenone	119-61-9	305.4	1	108.2	1.1		04/14/04	02/01/08	12/31/11
293	Benzoquinone, p-; (Quinone)	106-51-4	subl.	7.5x10-3	17.8	1.318 @ 20C		10/31/92	11/17/09	12/31/11
294	Benzothiazole	95-16-9	231			1.238		07/11/07		12/31/11
295	Benzotriazole	95-14-7	204 @ 15mm					10/11/05	01/16/12	01/16/12
296	Benzotrifluoride	98-08-8	102.1	38.83	25	1.189 @ 20C	31000	06/13/02	12/05/11	12/31/11
297	**Benzoyl chloride**	**98-88-4**	197	1	32.1	1.22 @ 15C	12000	06/13/02	04/08/09	
298	Benzoyl peroxide	94-36-0	dec expls					08/07/98	12/06/11	12/06/11
299	Benzyl acetate	140-11-4	213	0.177	25	1.05		07/11/07	04/08/09	12/31/11
300	Benzyl alcohol	100-51-6	205.31	7.5x10-3	28	1.0419 @ 24C	13000	09/30/97	09/02/09	12/31/11
301	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7						07/11/07		12/31/11
302	Benzyl benzoate	120-51-4	324	0.00022	25	1.116		10/11/05	02/01/08	12/31/11
303	**Benzyl chloride**	**100-44-7**	179	0.75	17.7	1.1004 @ 20C	11000	12/30/95	09/14/09	
304	**Benzyl chloroformate; (Carbobenzoxy chloride)**	**501-53-1**	152	7	85-87	1.2166 @ 20C		07/11/07	02/01/08	12/31/11

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305	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	117.16	mg/m^3	4.79	C8.H7.N	L	-23.8
306	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	195.47	mg/m^3	7.99	C7H5Cl3	L	-4.42
307	Benzylamine	100-46-9	107.2	mg/m^3	4.38	C7.H9.N	L	
308	Benzyldimethylamine; (Dimethylbenzylamine, N,N-; BDMA)	103-83-3	135.23	mg/m^3	5.53	C9.H13.N	L	-75
309	Benzyldimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	424.23	mg/m^3	17.34	C27H50ClN	S	
310	Benzylmagnesium chloride	6921-34-2	150.8903	mg/m^3	6.17	C7.H7.Cl.Mg	S in soln	
311	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	167.28	mg/m^3	6.84	C10.H16.N.H.O	S	
312	**Beryllium**	**7440-41-7**	9.01	mg/m^3	0.37	Be	S	1287
313	Beryllium chloride	7787-47-5	79.91	mg/m^3	3.27	BeCl2	S crystals	415
314	Beryllium fluoride	7787-49-7	47.01	mg/m^3	1.92	BeF2	S crystals	552
315	Beryllium hydroxide	13327-32-7	43.03	mg/m^3	1.76	BeH2O2	S crystals	138-200 dec
316	Beryllium nitrate	13597-99-4	187.07	mg/m^3	7.65	BeH6N2O9	S crystals	~30
317	Beryllium oxide	1304-56-9	25.01	mg/m^3	1.02	BeO	S crystals	2578
318	Betaine, anhydrous; (Glycine betaine)	107-43-7	117.17	mg/m^3	4.79	C5.H11.N.O2	S	>300 dec
319	Bicyclo(2.2.1)heptane-2-carbonitrile, 5-chloro-6-((((methylamino)carbonyl)oxy)imino)-, (1S-(1-alpha,2-beta,4-alpha,5-alpha,6E))-; (Tranid)	15271-41-7	241.7	mg/m^3	9.88	C10.H12.Cl.N3.O2	S	
320	Bioxirane, 2,2'-; (1,2:3,4-Diepoxybutane)	1464-53-5	86.1	ppm	3.52	C4.H6.O2	L	19
321	Biphenylol, 4-	92-69-3	170.22	mg/m^3	6.96	C12.H10.O	S	164-165
322	Biphenylol, sodium salt, 2-	132-27-4	192.2	mg/m^3	7.86	C12H9NaO	S	
323	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	234.38	mg/m^3	9.58	C16.H26.O	S	44
324	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	220.39	mg/m^3	9.01	C15H24O	S	68
325	Bis(1-methylethyl)benzene, 1,4-; (p- or 1,4-Diisopropylbenzene)	100-18-5	162.27	mg/m^3	6.63	C12H18	L	-17

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
305	Benzyl cyanide; (Phenylacetonitrile)	140-29-4	233.5	1	60	1.0214 @ 15C		06/13/02	04/08/09	12/31/11
306	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	221	0.4137	25	1.3723 @ 20C		12/30/95	12/02/11	12/31/11
307	Benzylamine	100-46-9	185	0.653	25	0.983 @ 19C		10/11/05	10/15/06	12/31/11
308	Benzyldimethylamine; (Dimethylbenzylamine, N,N-; BDMA)	103-83-3	181			0.915 @ 10C		10/11/05	10/15/06	12/31/11
309	Benzyldimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0						01/04/99	10/15/06	12/31/11
310	Benzylmagnesium chloride	6921-34-2				0.794		07/11/07		12/31/11
311	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	15					07/11/07	10/15/06	12/31/11
312	**Beryllium**	**7440-41-7**	2471	10	1860	1.85		10/31/92	12/07/11	12/07/11
313	Beryllium chloride	7787-47-5	482	1	291	1.899 @ 25C		06/13/02	12/07/11	12/07/11
314	Beryllium fluoride	7787-49-7	1283			2.1 @ 20C		06/13/02	12/07/11	12/07/11
315	Beryllium hydroxide	13327-32-7				1.92		07/09/97	12/07/11	12/07/11
316	Beryllium nitrate	13597-99-4	142 dec			1.56 @ 20C		07/09/97	12/07/11	12/07/11
317	Beryllium oxide	1304-56-9	~3900			3.01		06/13/02	02/14/12	02/14/12
318	Betaine, anhydrous; (Glycine betaine)	107-43-7						07/11/07		12/31/11
319	Bicyclo(2.2.1)heptane-2-carbonitrile, 5-chloro-6-((((methylamino)carbonyl)oxy)imino)-, (1S-(1-alpha,2-beta,4-alpha,5-alpha,6E))-; (Tranid)	15271-41-7						12/08/02	04/08/09	12/31/11
320	Bioxirane, 2,2'-; (1,2:3,4-Diepoxybutane)	1464-53-5	142	16	25	1.113 @ 18C		06/13/02	04/07/09	12/31/11
321	Biphenylol, 4-	92-69-3	305-308			1.27		10/11/05	10/15/06	12/31/11
322	Biphenylol, sodium salt, 2-	132-27-4						03/01/00	04/13/09	12/31/11
323	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	272					12/08/02	10/15/06	12/31/11
324	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	265			1.048 @ 20C		12/08/02	04/08/09	12/31/11
325	Bis(1-methylethyl)benzene, 1,4-; (p- or 1,4-Diisopropylbenzene)	100-18-5	210.3	7.5x10-2	18	0.8568 @ 20 C		09/30/97	09/03/09	12/31/11

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326	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	162.3	mg/m^3	6.63	C12H18	L	
327	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	202.28	mg/m^3	8.27	C1.0.H18.O4	L	
328	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	218.38	ppm	8.93	C12.H26.O3	L	-60-2
329	Bis(2-chlorethylthioethyl) ether; (2,2'-Di(3-chloroethylthio)diethyl ether)	63918-89-8	263.26	mg/m^3	10.76	C8H16Cl2OS2	L?	
330	Bis(2-chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	187.08	mg/m^3	7.65	C6.H12.Cl2.O2	L	-31.5
331	**Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)**	**505-60-2**	159.08	ppm	6.50	C4H8Cl2S	L	13-14
332	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8	219.2	mg/m^3	8.96	C6.H12.Cl2.S2		
333	Bis(2-chloroethylthio)methane	63869-13-6	205.16	mg/m^3	8.39	C5.H10.Cl2.S2		
334	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7	247.2404	mg/m^3	10.11	C8.H16.Cl2.S2		
335	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8	261.2672	mg/m^3	10.68	C9.H18.Cl2.S2		
336	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2	233.2136	mg/m^3	9.53	C7.H14.Cl2.S2		
337	Bis(2-chloroethylthiomethyl)ether	63918-90-1	235.1862	mg/m^3	9.61	C6.H12.Cl2.O.S2		
338	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	162.26	mg/m^3	6.63	C8H18O3	L	-44
339	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	322.48	mg/m^3	13.18	C16H35O4P	L	
340	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	398.58	mg/m^3	16.29	C22.H39.O4.P	S	
341	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	287.5	ppm	11.75	C16H33NO3	S	36.7
342	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	310.43	mg/m^3	12.69	C24H22	S	180
343	Bis(3-tert-butyl-4-hydroxy-6-methylphenyl) sulfide; (4,4'-Thiobis(6-tert-butyl-m-cresol))	96-69-5	358.5378	mg/m^3	14.65	C22H30O2S	S	150
344	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	126.97	mg/m^3	5.19	C3.H4.Cl2O	S	45
345	Bis(chloromethyl)oxetane, 3,3-	78-71-7	155.03	mg/m^3	6.34	C5.H8.Cl2O	L	18.7
346	Bis(dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2	265.39	mg/m^3	10.85	C17.H19.N3	S	180-181

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
326	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	205	0.25-0.39	25	0.9 No Temp	65000	12/08/02	10/15/06	12/31/11
327	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	266			1.049		10/11/05	10/15/06	12/31/11
328	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	256			0.8853 @ 20C		10/11/05	10/15/06	12/31/11
329	Bis(2-chlorethylthioethyl) ether; (2,2'-Di(3-chloroethylthio)diethyl ether)	63918-89-8						01/04/99	10/15/06	12/31/11
330	Bis(2-chloroethoxy)ethane, 1,2-; (Triglycol dichloride)	112-26-5	241.3	0.06	20	1.197		07/11/07		12/31/11
331	**Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)**	**505-60-2**	215-217	0.09	30	1.2741		01/04/99	04/08/09	10/11/05
332	Bis(2-chloroethylthio)ethane, 1,2-; (Sesquimustard)	3563-36-8						10/11/05	09/04/09	12/31/11
333	Bis(2-chloroethylthio)methane	63869-13-6						10/11/05	09/04/09	12/31/11
334	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7						10/11/05	09/04/09	12/31/11
335	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8						10/11/05	09/04/09	12/31/11
336	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2						10/11/05	09/04/09	12/31/11
337	Bis(2-chloroethylthiomethyl)ether	63918-90-1						10/11/05	09/04/09	12/31/11
338	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	189			0.9082		01/04/99	10/15/06	12/31/11
339	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	155.015			0.97525		08/07/98	12/06/11	12/06/11
340	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1						10/11/05	12/05/11	12/31/11
341	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1						12/08/02	12/05/11	12/31/11
342	Bis(2-methylstyryl)benzene, 4-; (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0						07/09/97	04/08/09	12/31/11
343	Bis(3-tert-butyl-4-hydroxy-6-methylphenyl) sulfide; (4,4'-Thiobis(6-tert-butyl-m-cresol))	96-69-5				1.10		12/08/02	04/01/10	03/16/11
344	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	173			1.3826 @ 46C		12/08/02	04/13/09	12/31/11
345	Bis(chloromethyl)oxetane, 3,3-	78-71-7	200	0.5	25	1.295 @ 25C		12/08/02	04/13/09	12/31/11
346	Bis(dimethylamino)acridine, 3,6-; (Acridine orange)	494-38-2						10/11/05	09/04/09	12/31/11

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347	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	214.11	mg/m^3	8.75	C8.H4.O6	L	
348	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5	282.3362	mg/m^3	11.54	C11.H26.N2.O6	S	164
349	Bis[(benzo-15-crown-5)-15-ylmethyl] pimelate	69271-98-3		mg/m^3		[Unknown]	S	
350	Bisbutenylenetetrahydrofurfural; (2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	204.29	mg/m^3	8.35	C13H16O2	L	-80
351	Bismuth	7440-69-9	208.98	mg/m^3	8.54	Bi	S	271.3
352	Bismuth acetate	22306-37-2	386.111	mg/m^3	15.78	Bi.C6.H9.O6	S	250
353	Bismuth germanate	12233-73-7	297.59	mg/m^3	12.16	BiGeO		
354	Bismuth hydroxide	10361-43-0	260	mg/m^3	10.63	BiH3O3	S	
355	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	1461.99	mg/m^3	59.75	Bi5H9N4O22	S	260 decom
356	Bismuth iodide	7787-64-6	589.6939	mg/m^3	24.10	Bi.I3	S	408
357	Bismuth nitrate	10361-44-1	395.01	mg/m^3	16.14	BiN3O9	S	30
358	Bismuth oxide	1304-76-3	465.96	mg/m^3	19.04	Bi2O3	S	
359	Bismuth oxychloride; (Bismuth chloride oxide)	7787-59-9	260.43	mg/m^3	10.64	BiClO	S	
360	Bismuth(III) nitrate, pentahydrate	10035-06-0	485.0711	mg/m^3	19.83	Bi.H10.N3.O14	S	75
361	Bisphenol A diglycidyl ether	1675-54-3	340.45	mg/m^3	13.91	C21H24O4	L	
362	Bisphenol A; (4,4'-Isopropylidenediphenol)	80-05-7	228.29	mg/m^3	9.33	C15H16O2	S	153
363	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	192.26	mg/m^3	7.86	C8.H4.N2.S2	S	132
364	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b))	z-0110	1149.516	mg/m^3	46.98	C72.H92.O12	S	80
365	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	75.98	ppm	3.11	C2.H6.S.B.H3	L	-27
366	Borane-tetrahydrofuran	14044-65-6	85.93	mg/m^3	3.51	C4H11BO	L	
367	Borate	14213-97-9	58.81	mg/m^3	2.40	B.O3	S	
368	Boric acid	10043-35-3	61.84	mg/m^3	2.53	B.H3.O3	S	185 dec

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
347	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	116			1.378		10/11/05	09/04/09	12/31/11
348	Bis(tris(hydroxymethyl)methylamino)propane, 1,3-; (Bis-tris propane)	64431-96-5						10/11/05	09/04/09	12/31/11
349	Bis[(benzo-15-crown-5)-15-ylmethyl] pimelate	69271-98-3						10/11/05	04/13/09	12/31/11
350	Bisbutenylenetetrahydrofurfural; (2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	307			1.10 @ 20C		04/14/04	04/13/09	12/31/11
351	Bismuth	7440-69-9	1420-1560	1	1021	9.8		01/04/99	12/06/11	12/06/11
352	Bismuth acetate	22306-37-2						10/11/05	04/13/09	12/31/11
353	Bismuth germanate	12233-73-7						08/07/98	10/15/06	12/31/11
354	Bismuth hydroxide	10361-43-0						12/08/02	04/13/09	
355	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	260			4.928		09/30/97	09/03/09	12/31/11
356	Bismuth iodide	7787-64-6	ca. 500			5.778		10/11/05	07/18/08	12/31/11
357	Bismuth nitrate	10361-44-1	80 dec			2.83		08/07/98	12/06/11	12/06/11
358	Bismuth oxide	1304-76-3						01/04/99	10/15/06	12/31/11
359	Bismuth oxychloride; (Bismuth chloride oxide)	7787-59-9	dec			7.7 @ 20C		12/08/02	04/13/09	12/31/11
360	Bismuth(III) nitrate, pentahydrate	10035-06-0				2.83		10/11/05	01/16/12	01/16/12
361	Bisphenol A diglycidyl ether	1675-54-3				1.16 @ 20C		03/01/00	09/14/09	12/31/11
362	Bisphenol A; (4,4'-Isopropylidenediphenol)	80-05-7	220 @ 4mmHg	3.91x10-7	25	1.195		08/21/96	04/14/09	12/31/11
363	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9						12/08/02	04/24/09	12/31/11
364	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b))	z-0110						12/08/02	04/14/09	12/31/11
365	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	~34			0.789		07/11/07		12/31/11
366	Borane-tetrahydrofuran	14044-65-6	> 69			0.898		04/14/04	04/14/09	
367	Borate	14213-97-9						07/11/07	04/01/10	12/31/11
368	Boric acid	10043-35-3				1.435		12/30/95	04/01/10	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
369	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	230.2	ppm	9.41	C12.H27.B.O3	L	<-70
370	Boron	7440-42-8	10.81	mg/m^3	0.44	B	S	2190
371	Boron carbide	12069-32-8	55.26	mg/m^3	2.26	B4.C	S	2350
372	Boron nitride	10043-11-5	24.82	mg/m^3	1.01	BN	S	2966
373	Boron oxide	1303-86-2	69.62	mg/m^3	2.85	B2O3	S	450
374	**Boron tribromide**	**10294-33-4**	250.54	ppm	10.24	BBr3	L	-46
375	Boron trichloride	10294-34-5	117.16	ppm	4.79	BCl3	L	-107
376	**Boron trifluoride**	**7637-07-2**	67.81	mg/m^3	2.77	BF3	G	-128.4
377	Boron trifluoride dihydrate	13319-75-0	103.85	mg/m3	4.24	B.F3. 2(H2.O)	L	
378	Boron trifluoride etherate	109-63-7	141.93	mg/m^3	5.80	C4H10BF3O	L	-60.4
379	**Boron trifluoride-dimethyl ether**	**353-42-4**	113.89	mg/m^3	4.65	C2H6BF3O	L	-14
380	Botulinum toxin-A	93384-43-1	150 kDa	mg/m^3			S powder	
381	Botulinum toxin-B	93384-44-2		mg/m^3				
382	Botulinum toxin-F	107231-15-2		mg/m^3				
383	Botulinum, clostridium	z-0119		mg/m^3				
384	Brij-35; (alpha-Dodecyl-omega-hydroxypoly(oxyethylene))	9002-92-0		mg/m^3		(C2.H4.O)n.C12.H26.O	L	40-42
385	Brilliant blue; (Acid blue 9)	2650-18-2	783.01	mg/m^3	32.00	C37.H36.N2.O9.S3-2(N.H3)	S	
386	Bromadiolone	28772-56-7	527.11	mg/m^3	21.54	C30.H23.Br.O4	S	200-210
387	**Bromine**	**7726-95-6**	159.81	ppm	6.53	Br2	L	-7.2
388	**Bromine chloride**	**13863-41-7**	115.36	ppm	4.71	BrCl	S	
389	**Bromine pentafluoride**	**7789-30-2**	174.91	ppm	7.15	Br.F5	L fuming	-60.5
390	**Bromine trifluoride**	**7787-71-5**	136.91	ppm	5.60	BrF3	L	8.8

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
369	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	230			0.847 @ 20C		10/11/05	09/03/09	12/31/11
370	Boron	7440-42-8	3660			2.45		09/30/97	01/24/12	01/24/12
371	Boron carbide	12069-32-8	> 3500			2.5		12/30/95	04/14/09	12/31/11
372	Boron nitride	10043-11-5				2.18		04/14/04		12/31/11
373	Boron oxide	1303-86-2	2250			2.46		08/07/98	12/06/11	12/06/11
374	**Boron tribromide**	**10294-33-4**	91.3	40	14	2.650 @ 0ºC		03/01/00	04/14/09	
375	Boron trichloride	10294-34-5	12.5	760	12.7	1.349		01/04/99	04/14/09	12/31/11
376	**Boron trifluoride**	**7637-07-2**	-100	36560	-13.2	2.99		08/07/98	01/26/12	01/26/12
377	Boron trifluoride dihydrate	13319-75-0				1.6316		07/22/10	01/26/12	01/26/12
378	Boron trifluoride etherate	109-63-7	126			1.125 @ 20ºC		04/14/04	02/16/12	02/16/12
379	**Boron trifluoride-dimethyl ether**	**353-42-4**	126-127	20	25	1.239		03/01/00	01/26/12	01/26/12
380	Botulinum toxin-A	93384-43-1						09/10/08	12/05/11	12/05/11
381	Botulinum toxin-B	93384-44-2						09/10/08		12/31/11
382	Botulinum toxin-F	107231-15-2						09/10/08		12/31/11
383	Botulinum, clostridium	z-0119						09/10/08		12/31/11
384	Brij-35; (alpha-Dodecyl-omega-hydroxypoly(oxyethylene))	9002-92-0				1.02 @ 20ºC		07/11/07	01/17/12	01/17/12
385	Brilliant blue; (Acid blue 9)	2650-18-2						10/11/05	01/18/12	01/18/12
386	Bromadiolone	28772-56-7						12/08/02	01/18/12	01/18/12
387	**Bromine**	**7726-95-6**	58.8	75	2.5	3.1028		11/30/92	09/03/09	
388	**Bromine chloride**	**13863-41-7**						12/08/02	04/14/09	08/23/07
389	**Bromine pentafluoride**	**7789-30-2**	40.5	328	20	2.466		12/08/02	04/14/09	12/31/11
390	**Bromine trifluoride**	**7787-71-5**	127	18	39	2.84		06/13/02	04/14/09	

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
391	Bromo acetic acid, methyl ester	96-32-2	152.99	mg/m^3	6.25	C3.H5.Br.O2	L	
392	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	241.47	mg/m^3	9.87	C5H6BrClN2O2	S	162
393	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	197.39	ppm	8.07	C2HBrClF3	G	-168
394	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3-chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2	241.49	mg/m^3	9.87	C5H6BrClN2O2	S	163-164
395	Bromo-3-methylbutane, 1-	107-82-4	151.05	ppm	6.17	C5.H11.Br	L	-112
396	Bromoacetaldehyde diethyl acetal	2032-35-1	197.07	mg/m^3	8.05	C6.H13.Br.O2	S	
397	Bromoacetic acid	79-08-3	138.96	mg/m^3	5.68	C2.H3.O2.Br	S hygr	50
398	**Bromoacetone**	**598-31-2**	136.98	ppm	5.60	C3H5BrO	L	-36.5
399	Bromoanisole, 3-; (1-Bromo-3-methoxybenzene)	2398-37-0	187.03	mg/m^3	7.64	C7.H7.Br. O	S	
400	Bromobenzene; (Phenyl bromide)	108-86-1	157.01	ppm	6.42	C6H5Br	L	-30.72
401	Bromochlorobenzene, m-	108-37-2	191.45	mg/m^3	7.82	C6H4BrCl	L	-21.5
402	Bromochlorobenzene, p-	106-39-8	191.45	mg/m^3	7.82	C6H4BrCl		68
403	Bromochloromethane	74-97-5	129.39	ppm	5.29	CH2BrCl	L	-88
404	Bromocresol green; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-])	76-60-8	698.05	mg/m^3	28.53	C21H14Br4O5S	L	218.5
405	Bromocresol purple; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-6-methyl-])	115-40-2	540.222	mg/m^3	22.08	C21H16Br2O5S	S crystals	241.5
406	Bromocyclohexanol, cis-2-	16536-57-5	179.0563	ppm	7.32	C6.H11.Br.O		
407	Bromodecane, 1-	112-29-8	221.22	ppm	9.04	C10.H21.Br	L	-29.2
408	Bromodichloromethane	75-27-4	163.83	mg/m^3	6.70	CHBrCl2	L	-57.1
409	Bromododecane, 1-	143-15-7	249.23	mg/m^3	10.19	C12.H25.Br	L	-11 to -9
410	Bromoethane; (Ethyl bromide)	74-96-4	108.98	ppm	4.45	C2.H5.Br	L	-119
411	Bromoethanol, 2-; (Ethylene bromohydrin)	540-51-2	124.98	mg/m^3	5.11	C2.H5.Br.O	L	
412	Bromoethylmagnesium	925-90-6	133.27	mg/m^3	5.45	C.H3.C.H2.Mg.Br	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
391	Bromo acetic acid, methyl ester	96-32-2	145			1.616		10/11/05	10/15/06	12/31/11
392	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7		6.6x10-6	25			11/15/96	09/03/09	12/31/11
393	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	-57.8	>760	20			08/07/98	12/06/11	12/06/11
394	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3-chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2		6.61x10-6	25			11/15/96	11/17/09	12/31/11
395	Bromo-3-methylbutane, 1-	107-82-4	120-121			1.207		07/11/07	02/22/08	12/31/11
396	Bromoacetaldehyde diethyl acetal	2032-35-1	170-172			1.31		07/11/07	10/15/06	12/31/11
397	Bromoacetic acid	79-08-3	208					07/11/07	10/15/06	12/31/11
398	**Bromoacetone**	**598-31-2**	138	9	20	1.634 @ 23C		10/31/92	01/21/10	01/21/10
399	Bromoanisole, 3-; (1-Bromo-3-methoxybenzene)	2398-37-0	211			1.49		07/11/07	04/15/09	12/31/11
400	Bromobenzene; (Phenyl bromide)	108-86-1	156.06	7.5	34.9	1.495 @ 20C	5000	09/30/97	11/11/09	12/31/11
401	Bromochlorobenzene, m-	108-37-2	196			1.6302 @ 20C		09/30/97	11/17/09	12/31/11
402	Bromochlorobenzene, p-	106-39-8	196			1.576 @ 71		08/07/98	12/06/11	12/06/11
403	Bromochloromethane	74-97-5	67.8			1.93	120000	01/04/99	04/01/10	12/31/11
404	Bromocresol green; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-])	76-60-8						01/04/99	12/09/11	12/09/11
405	Bromocresol purple; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-6-methyl-])	115-40-2		1.15x10E-15	25	.0073 @ 25ºC		01/04/99	12/09/11	12/09/11
406	Bromocyclohexanol, cis-2-	16536-57-5				1.4604 @ 20C		12/08/02	04/13/09	01/03/08
407	Bromodecane, 1-	112-29-8	240.6			1.0702 @ 20C		07/11/07	10/15/06	12/31/11
408	Bromodichloromethane	75-27-4	88.5			1.971		01/04/99		12/31/11
409	Bromododecane, 1-	143-15-7	145 @ 15			1.038		07/11/07		12/31/11
410	Bromoethane; (Ethyl bromide)	74-96-4	38.4	400	21	1.451 @ 20C	67000	10/11/05	04/15/09	12/31/11
411	Bromoethanol, 2-; (Ethylene bromohydrin)	540-51-2	150			1.7629 @ 20C		07/11/07	04/13/09	12/31/11
412	Bromoethylmagnesium	925-90-6				1.02		07/11/07		12/31/11

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413	Bromofluorobenzene, 4-; (p-Fluorobromobenzene)	460-00-4	175.01	mg/m^3	7.15	C6.H4.Br.F	L	-17.4
414	Bromoform; (Tribromomethane)	75-25-2	252.73	ppm	10.33	CHBr3	L	8.69
415	Bromohexane; (n-Hexyl bromide)	111-25-1	165.1	ppm	6.75	C6.H13.Br	L	-84.7
416	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	199.087	mg/m^3	8.14	C9.H11.Br	L	-1
417	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	167	mg/m^3	6.83	C4.H7.Br.O2	L	
418	Bromonaphthalene	90-11-9	207.08	mg/m^3	8.46	C10H7Br	S	
419	Bromonitromethane	563-70-2	139.95	mg/m^3	5.72	Br.C.H2.N.O2	L	
420	Bromooctane , 1-; (Octyl bromide)	111-83-1	193.16	ppm	7.89	C8.H17.Br	L	-55
421	Bromophenol blue; (Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2,6-dibromo-, S,S-dioxide))	115-39-9	669.99	mg/m^3	27.38	C19.H10.Br4.O5.S	S	279 dec
422	Bromophenyl phenyl ether, 4-	101-55-3	249.11	mg/m^3	10.18	C12.H9.Br.O	L	18.72
423	Bromopropane, 1-	106-94-5	123.01	ppm	5.03	C3H7Br	L	-110
424	Bromopropane, 2-	75-26-3	122.98	ppm	5.03	C3.H7.Br	L	-89
425	Bromopyrene, 3-	1714-29-0	281.1511	mg/m^3	11.49	C16.H9.Br	S	
426	Bromosuccinimide, N-	128-08-5	178	mg/m^3	7.28	C4.H4.Br.N.O2	S	174
427	Bromothymol blue; (Dibromothymolsulfonphthalein)	76-59-5	624.43	mg/m^3	25.52	C27.H28.Br2.O5.S	S	201
428	Bromotoluene, A-; (Benzyl bromide)	100-39-0	171.05	mg/m^3	6.99	C7.H7.Br	L	3
429	Bromotrichloromethane	75-62-7	198.27	ppm	8.10	Br.C.Cl3	L	-5.8
430	Bromotrifluoroethylene	598-73-2	160.94	ppm	6.58	C2BrF3	G	
431	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	148.91	ppm	6.09	BrCF3	G	-172
432	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	153.09	mg/m^3	6.26	(C.H3)3.Si.Br	L	
433	Brown menhaden fish oil	68440-42-6		mg/m^3				
434	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	394.46	mg/m^3	16.12	C23H26N2O4	S	178

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
413	Bromofluorobenzene, 4-; (p-Fluorobromobenzene)	460-00-4	151.5			1.593 @ 15C		07/11/07	04/13/09	12/31/11
414	Bromoform; (Tribromomethane)	75-25-2	149.1	7.5	30.5	2.8788		12/30/95	10/21/09	12/31/11
415	Bromohexane; (n-Hexyl bromide)	111-25-1	155.3			1.1744 @ 20C		07/11/07		12/31/11
416	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	225			1.301		07/11/07	04/15/09	12/31/11
417	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	80-82 @ 27 mm			1.613		07/11/07		12/31/11
418	Bromonaphthalene	90-11-9						08/07/98	12/06/11	12/06/11
419	Bromonitromethane	563-70-2	146-148			2.007		07/11/07	06/17/08	12/31/11
420	Bromooctane , 1-; (Octyl bromide)	111-83-1	201.5			1.11		07/11/07	06/17/08	12/31/11
421	Bromophenol blue; (Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2,6-dibromo-, S,S-dioxide))	115-39-9						07/11/07	04/16/09	12/31/11
422	Bromophenyl phenyl ether, 4-	101-55-3	310.1	0.0015	20	1.6088 @ 20C		06/13/02	10/15/06	12/31/11
423	Bromopropane, 1-	106-94-5	71	110.8	18	1.35	46000	01/04/99	04/01/10	12/31/11
424	Bromopropane, 2-	75-26-3	59.35	216	25	1.31 @ 20C		10/11/05	04/20/07	12/31/11
425	Bromopyrene, 3-	1714-29-0						10/11/05	04/16/09	12/31/11
426	Bromosuccinimide, N-	128-08-5				2.098		10/11/05	10/15/06	12/31/11
427	Bromothymol blue; (Dibromothymolsulfonphthalein)	76-59-5						10/11/05	09/04/09	12/31/11
428	Bromotoluene, A-; (Benzyl bromide)	100-39-0	201	0.45	25	1.738		10/11/05	09/04/09	12/31/11
429	Bromotrichloromethane	75-62-7	104.2	39	25	2.012		10/11/05	04/20/07	12/31/11
430	Bromotrifluoroethylene	598-73-2	-2.5					06/13/02	04/01/10	12/31/11
431	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	-57.8	750	-58.1	1.58 @ 20ºC		11/30/92	09/14/09	12/31/11
432	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	79			1.16		07/11/07		12/31/11
433	Brown menhaden fish oil	68440-42-6						07/11/07	04/20/09	12/31/11
434	Brucine; (2,3-Dimethoxystrychnine)	357-57-3	470					12/30/95	09/14/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
435	**Butadiene, 1,3-**	**106-99-0**	54.09	ppm	2.21	C4H6	G	-108.91
436	Butanaminium, N,N,N-tributyl-1-, bromide; (Tetrabutylammonium bromide)	1643-19-2	322.44	mg/m^3	13.18	C16.H36.N.Br	S	102-104
437	**Butane**	**106-97-8**	58.14	ppm	2.38	C4H10	G	-135
438	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	174.22	ppm	7.12	C.8.H14.O4	L	-21
439	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	146.16	ppm	5.97	C6.H10.O4	L	19.5
440	Butanediol dinitrate, 1,4-	3457-91-8	180	ppm	7.36	C4H8N2O6		
441	Butanediol, 1,3-	107-88-0	90.18	mg/m^3	3.69	C4H10O2	L	-77
442	Butanediol, 1,4-; (1,4-Tetramethylene glycol)	110-63-4	90.14	mg/m^3	3.68	C4H10O2	L	16
443	Butanedione, 2,3-	431-03-8	86.1	mg/m^3	3.52	C.H3.C.O.C.O.C.H3	L	-2.4
444	Butanenitrile; (Butyronitrile)	109-74-0	69.12	ppm	2.83	C4.H7.N	L	-112.6
445	Butanephosphonic acid	3321-64-0	138.1	mg/m^3	5.64	C4.H11.O3.P		
446	Butanethiol; (n-Butyl mercaptan)	109-79-5	90.19	ppm	3.69	C4H10S	L	-115.7
447	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	144.24	ppm	5.90	C8.H16.O2	L	
448	Butanol, aluminum salt, 2-	2269-22-9	246.322	mg/m^3	10.07	C12.H27.Al.O3	L	
449	Butanol-d10, n-	34193-38-9	84.18	ppm	3.44	C.D3.(C.D2)2.C.D2.O.D	L	-90
450	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	87.14	ppm	3.56	C4H9NO	L	-29.5
451	**Butanone, 2-; (Methyl ethyl ketone; MEK)**	**78-93-3**	72.11	ppm	2.95	C4H8O	L	-86.64
452	Butene, 1-; (Butylene)	106-98-9	56.11	ppm	2.29	C4H8	G	-185.3
453	Butene, 2-	107-01-7	56.11	ppm	2.29	C4H8	G	
454	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	56.11	ppm	2.29	C4H8	G	-138.9
455	Butene, trans-2-; (trans-1,2-Dimethylethylene)	624-64-6	56.11	ppm	2.29	C4H8	G	-105.5
456	Butoxyethanol acetate, 2-; (Ethylene glycol monobutyl ether acetate)	112-07-2	160.21	ppm	6.55	C8H16O3	L	-63.5

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
435	**Butadiene, 1,3-**	**106-99-0**	-4.41	750	-4.7	0.6149	20000	11/30/92	09/14/09	
436	Butanaminium, N,N,N-tributyl-1-, bromide; (Tetrabutylammonium bromide)	1643-19-2						10/11/05	04/20/09	12/31/11
437	**Butane**	**106-97-8**	-0.5	1520	18.8	0.599	16000	01/04/99	04/01/10	
438	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	217.7				11000	12/08/02	07/18/08	12/31/11
439	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	195.3			1.1202 @ 18C	10000	12/08/02	10/15/06	12/31/11
440	Butanediol dinitrate, 1,4-	3457-91-8						12/08/02	04/20/09	
441	Butanediol, 1,3-	107-88-0	207.5	0.06	20	1.006 @ 20C		10/11/05	12/05/11	12/31/11
442	Butanediol, 1,4-; (1,4-Tetramethylene glycol)	110-63-4	230	0.0105	25	3.1		04/14/04	10/15/06	12/31/11
443	Butanedione, 2,3-	431-03-8	88	56.8	25	0.990 @ 15C		07/11/07		12/31/11
444	Butanenitrile; (Butyronitrile)	109-74-0	117	19.5	25	0.796 @ 15C	16500	12/08/02	10/15/06	12/31/11
445	Butanephosphonic acid	3321-64-0						12/08/02	04/20/09	
446	Butanethiol; (n-Butyl mercaptan)	109-79-5	98.5	75	35.4	0.8416 @ 20C	14000	09/30/97	01/24/12	12/31/11
447	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	166			0.872 @ 20C		12/08/02	10/15/06	12/31/11
448	Butanol, aluminum salt, 2-	2269-22-9	197 @ 20C					10/11/05	04/01/10	12/31/11
449	Butanol-d10, n-	34193-38-9	117.7	4	20	0.92	14000	07/11/07	04/21/09	12/31/11
450	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	152			0.932		08/07/98	04/21/09	12/31/11
451	**Butanone, 2-; (Methyl ethyl ketone; MEK)**	**78-93-3**	79.59	75	21.2	0.7999	14000	12/30/95	04/01/10	10/11/05
452	Butene, 1-; (Butylene)	106-98-9	-6.3	2253	25	0.557	16000	06/13/02	04/21/09	12/31/11
453	Butene, 2-	107-01-7		>760	25		18000	03/01/00	04/21/09	12/31/11
454	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	3.7	1600	25	0.616	17000	06/13/02	09/04/09	10/11/05
455	Butene, trans-2-; (trans-1,2-Dimethylethylene)	624-64-6	0.8	1750	25	0.599	18000	06/13/02	04/13/09	12/31/11
456	Butoxyethanol acetate, 2-; (Ethylene glycol monobutyl ether acetate)	112-07-2	192	0.375	20	0.9422 @ 20C	8800	07/09/97	04/01/10	12/31/11

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457	Butoxyethanol phosphate, 2-	78-51-3	398.54	mg/m^3	16.29	C18H39O7P	L	-70
458	Butoxyethanol, 2-; (Glycol ether EB)	111-76-2	118.2	ppm	4.83	C6H14O2	L	-74.8
459	Butoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	162.26	ppm	6.63	C8H18O3	L	-68.1
460	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	203.33	mg/m^3	8.31	C9H17NO2S	L	
461	Butoxypolypropylene glycol	9003-13-8	2600	mg/m^3	106.27	(C3H6O)n.C4H10O	L	-48
462	**Butyl acetate, n-**	**123-86-4**	116.18	ppm	4.75	C6.H12.O2	L	-77
463	Butyl acetate, sec-	105-46-4	116.18	ppm	4.75	C6.H12.O2	L	-98.9
464	Butyl acetate, tert-	540-88-5	116.18	ppm	4.75	C6H12O2	L	
465	Butyl acetoacetate, tert-	1694-31-1	158.1968	mg/m^3	6.47	C8.H14.O3	L	
466	**Butyl acrylate, n-**	**141-32-2**	128.17	ppm	5.24	C7H12O2	L	-64.6
467	Butyl alcohol, n-; (n-Butanol)	71-36-3	74.12	ppm	3.03	C4H10O	L	-88.6
468	Butyl alcohol, sec-; (2-Butanol)	78-92-2	74.14	ppm	3.03	C4H10O	L	-89
469	Butyl bis(2-ethylhexyl)phosphate	z-0002	378.53264	ppm	15.47	[Unknown]		
470	Butyl bromide, n-; (1-Bromobutane)	109-65-9	137.04	ppm	5.60	C4.H9.Br	L	-112.3
471	**Butyl chloroformate, n-**	**592-34-7**	136.58	ppm	5.58	C5.H9.Cl.O2	L	
472	**Butyl chloroformate, sec-**	**17462-58-7**	136.58	ppm	5.58	C5.H9.Cl.O2	L	
473	Butyl ether, n-; (Dibutyl ether)	142-96-1	130.26	ppm	5.32	C8H18O	L	-98
474	Butyl glycidyl ether, n-	2426-08-6	130.19	ppm	5.32	C7H14O2	L	
475	**Butyl isocyanate, n-**	**111-36-4**	99.13	ppm	4.05	C5H9NO	L	-75
476	Butyl isocyanate, tert-	1609-86-5	99.131	mg/m^3	4.05	C5.H9.N.O	S	85.5
477	Butyl levulinate	2052-15-5	172.25	mg/m^3	7.04	C9.H16.O3	S	
478	Butyl lithium	109-72-8	64.06	mg/m^3	2.62	C4H9Li	L	-76

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
457	Butoxyethanol phosphate, 2-	78-51-3	200-230	0.03	150	1.02 @ 20C		04/14/04	10/15/06	12/31/11
458	Butoxyethanol, 2-; (Glycol ether EB)	111-76-2	171-172	0.8		0.9012	11000	07/09/97	04/01/10	12/31/11
459	Butoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	230.6	0.022	25	0.9553	12000	01/04/99	04/22/09	12/31/11
460	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	120-125 @ 0.25mm					01/10/01	10/15/06	12/31/11
461	Butoxypolypropylene glycol	9003-13-8				0.990 @ 25C		04/14/04	04/03/08	12/31/11
462	**Butyl acetate, n-**	**123-86-4**	126	11.5	25	0.88	14000	06/13/02	04/22/09	
463	Butyl acetate, sec-	105-46-4	112	17	20	0.862-0.866 @ 20C	17000	06/13/02	04/22/09	12/31/11
464	Butyl acetate, tert-	540-88-5	97.8	47	25	0.8593 @ 25C	13000	06/13/02	04/22/09	12/31/11
465	Butyl acetoacetate, tert-	1694-31-1				0.954		10/11/05	08/14/07	12/31/11
466	**Butyl acrylate, n-**	**141-32-2**	145	7.5	30.4	0.8898 @ 20C	15000	12/30/95	04/01/10	
467	Butyl alcohol, n-; (n-Butanol)	71-36-3	117.73	7.5	28	0.8095 @ 20C	14000	12/30/95	09/15/09	12/31/11
468	Butyl alcohol, sec-; (2-Butanol)	78-92-2	99.5	10	20	0.808 @ 20C	14000	01/04/99	04/22/09	12/31/11
469	Butyl bis(2-ethylhexyl)phosphate	z-0002						12/08/02	07/18/08	06/30/08
470	Butyl bromide, n-; (1-Bromobutane)	109-65-9	101.3	41.97	25	1.2586	25000	07/11/07		
471	**Butyl chloroformate, n-**	**592-34-7**	142			1.074		07/11/07	04/22/09	12/31/11
472	**Butyl chloroformate, sec-**	**17462-58-7**				1.074		07/11/07		12/31/11
473	Butyl ether, n-; (Dibutyl ether)	142-96-1	142	6.01	25	0.7689	9000	04/14/04		12/31/11
474	Butyl glycidyl ether, n-	2426-08-6	169	3.2	25	0.918 @ 20C	11580	08/21/96	01/24/12	12/31/11
475	**Butyl isocyanate, n-**	**111-36-4**	115	1.7X10+1	25	0.88 @ 20		10/31/92	01/21/10	01/21/10
476	Butyl isocyanate, tert-	1609-86-5				0.8670 @ 7C		07/11/07	04/13/09	12/31/11
477	Butyl levulinate	2052-15-5	237.5			0.9735 @ 20C		07/11/07	07/18/08	12/31/11
478	Butyl lithium	109-72-8				0.765		04/14/04	04/22/09	12/31/11

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479	Butyl methyl-d3 ether, tert-	29366-08-3	91.16	ppm	3.73	C5.D3.H9.O	L	
480	Butyl perbenzoate, tert-	614-45-9	194.25	mg/m^3	7.94	C11.H14.O3	L	8
481	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	130.2	mg/m^3	5.32	C7H14O2	L	-89.6
482	Butyl-2-methylcyclopropane, T-1-	38851-70-6		mg/m^3		[Unknown]	L	
483	Butyl-3-iodo-2-propynylcarbamate	55406-53-6	281.11	mg/m^3	11.49	C8H12INO2	S	66
484	Butylamine, (S)-sec-	513-49-5	73.16	ppm	2.99	C4.H11.N	L	-104
485	Butylamine, n-	109-73-9	73.16	ppm	2.99	C4.H11.N	L	-50
486	Butylamine, sec-	13952-84-6	73.16	ppm	2.99	C4H11N	L	-104
487	Butylamine, tert-	75-64-9	73.16	ppm	2.99	C4.H11.N	L	-67.5
488	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	134.21	ppm	5.49	C10H14	L	-87.85
489	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	134.22	ppm	5.49	C10H14	L	-82.7
490	Butylbenzene, tert-	98-06-6	134.22	ppm	5.49	C10H14	L	-57.8
491	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	140.268	ppm	5.73	C10H20	L	
492	Butylcyclohexanone, p-tert-	98-53-3	154.28	mg/m^3	6.31	C10H18O	S	49-50
493	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8	116.13	mg/m^3	4.75	C5.H8.O3		
494	Butyllithium, sec-	598-30-1	64.06	ppm	2.62	C4.H9.Li	L	17.22
495	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	166.24	mg/m^3	6.79	C10H14O2	S	52
496	**Butyltrichlorosilane**	**7521-80-4**	191.57	ppm	7.83	C4.H9.Cl3.Si	L	
497	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	86.09	mg/m^3	3.52	C4H6O2	S	50
498	Butyraldehyde	123-72-8	72.12	ppm	2.95	C4H8O	L	-100
499	Butyric acid, sodium salt	156-54-7	111.11	mg/m^3	4.54	C4.H8.O2.Na	S hygr.	250-253

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
479	Butyl methyl-d3 ether, tert-	29366-08-3						07/11/07	04/22/09	02/07/12
480	Butyl perbenzoate, tert-	614-45-9	112	0.33	50	1		12/08/02		12/31/11
481	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	145.4			0.893 @ 0C		12/08/02	05/29/09	12/31/11
482	Butyl-2-methylcyclopropane, T-1-	38851-70-6						10/11/05	04/22/09	12/31/11
483	Butyl-3-iodo-2-propynylcarbamate	55406-53-6		5.25E-05	30	1.575		03/01/00	05/29/09	12/31/11
484	Butylamine, (S)-sec-	513-49-5	63	178	25	0.724 @ 20C	17000	06/13/02	05/29/09	12/31/11
485	Butylamine, n-	109-73-9	78	92.9	25	0.7327 @ 20C	15000	06/13/02	01/24/12	12/31/11
486	Butylamine, sec-	13952-84-6	63	178	25	0.724 @ 20 C	17000	06/13/02	04/22/09	12/31/11
487	Butylamine, tert-	75-64-9	46.4	372	25	0.7	15000	06/13/02	04/22/09	12/31/11
488	Butylbenzene, n-; (1-Phenylbutane)	104-51-8	183.31	0.75	21	0.8601 @ 20C	8000	09/30/97	09/16/09	12/31/11
489	Butylbenzene, sec-; (2-Phenylbutane)	135-98-8	173.5	1.75	25	0.8580	8000	09/30/97	01/19/12	01/19/12
490	Butylbenzene, tert-	98-06-6	169.1	0.75	10	0.8665 @ 20C	7000	09/30/97	01/17/12	01/17/12
491	Butylcyclohexane; (1-Cyclohexylbutane)	1678-93-9	101	2.9	37.7	0.8	9000	06/13/02	10/15/06	12/31/11
492	Butylcyclohexanone, p-tert-	98-53-3	90-92 @ 9mm					08/07/98	12/06/11	12/06/11
493	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8						07/11/07		12/31/11
494	Butyllithium, sec-	598-30-1				0.769		07/11/07	04/13/09	12/31/11
495	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	285	0.0028	25	1.0496		08/07/98	04/23/09	12/31/11
496	**Butyltrichlorosilane**	**7521-80-4**	148.5			1.1606 @ 20C		09/05/08	04/23/09	
497	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	238	5.56X10-4	25	1.115@ 20C		09/30/97	11/17/09	12/31/11
498	Butyraldehyde	123-72-8	74.7			0.7988	17000	01/04/99	04/01/10	12/31/11
499	Butyric acid, sodium salt	156-54-7				0.96		10/11/05	10/15/06	12/31/11

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500	Butyric acid; (n-Butyric acid)	107-92-6	88.12	ppm	3.60	C4H8O2	L	-5.1
501	**BZ; (3-Quinuclidinyl benzilate)**	**6581-06-2**	337.45	mg/m^3	13.79	C21.H23.N.O3	S	164
502	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1	444.49	mg/m^3	18.17	C17.H12.Cl.N2.O4.S.1/2 Ba	S	343-345
503	C-18 Unsaturated fatty acid, dimers, reaction products with polyethylenepolyamines; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1		mg/m^3		[Unspecified]	L	
504	Cacodylic acid; (Arsenic acid, dimethyl-)	75-60-5	138	mg/m^3	5.64	C2H7AsO2	S	195
505	**Cadmium**	**7440-43-9**	112.41	mg/m^3	4.59	Cd	S	321
506	Cadmium bromide	7789-42-6	272.22	mg/m^3	11.13	Br2Cd	S	570
507	Cadmium carbonate	513-78-0	172.41	mg/m^3	7.05	CCdO3	S	
508	Cadmium chloride	10108-64-2	183.32	mg/m^3	7.49	CdCl2	S crystals	568
509	Cadmium chloride hemipentahydrate; (Cadmium chloride, 2.5-hydrate)	7790-78-5	456.708	mg/m^3	18.67	Cd2.Cl4.H10.O5	S	568
510	Cadmium fluoride	7790-79-6	150.4	mg/m^3	6.15	CdF2	S crystals	1075
511	Cadmium hydroxide	21041-95-2	146.63	mg/m^3	5.99	CdH2O2	S	130 dec
512	Cadmium nitrate	10325-94-7	236.42	mg/m^3	9.66	CdN2O6	S	360
513	Cadmium nitrate tetrahydrate	10022-68-1	308.48	mg/m^3	12.61	CdH8N2O7	S	59.5
514	Cadmium nitrite	7790-83-2	204.41	mg/m^3	8.35	Cd.(N.O2)2	S	
515	Cadmium oxide	1306-19-0	128.41	mg/m^3	5.25	CdO	S	
516	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	681.48	mg/m^3	27.85	Cd.C36.H72.O4	S	
517	Cadmium sulfate	10124-36-4	208.46	mg/m^3	8.52	CdO4S	S	1000
518	Cadmium sulfate, hydrate	7790-84-3	226.49	mg/m^3	9.26	CdH16O12S	S crystals	105
519	Cadmium sulfide	1306-23-6	144.46	mg/m^3	5.90	Cd.S	S	1750
520	Cadmium tungstate	7790-85-4	360.26	mg/m^3	14.72	CdO4W	S	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
500	Butyric acid; (n-Butyric acid)	107-92-6	163.5	1.65	25	0.959	20000	01/04/99	12/05/11	12/05/11
501	**BZ; (3-Quinuclidinyl benzilate)**	**6581-06-2**		2.38E-10	25			09/05/08	01/21/10	12/31/11
502	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1				1.66		07/11/07	04/01/10	12/31/11
503	C-18 Unsaturated fatty acid, dimers, reaction products with polyethylenepolyamines; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1				0.97		04/14/04	04/23/09	12/31/11
504	Cacodylic acid; (Arsenic acid, dimethyl-)	75-60-5	> 200					12/30/95	06/28/10	12/31/11
505	**Cadmium**	**7440-43-9**	767	1	394	8.69		12/30/95	11/17/09	09/29/10
506	Cadmium bromide	7789-42-6	863			5.192		08/07/98	12/06/11	12/06/11
507	Cadmium carbonate	513-78-0						08/07/98	12/06/11	12/06/11
508	Cadmium chloride	10108-64-2	964	10	656	4.05		08/07/98	01/19/12	01/16/12
509	Cadmium chloride hemipentahydrate; (Cadmium chloride, 2.5-hydrate)	7790-78-5				3.327		10/11/05	04/24/09	12/31/11
510	Cadmium fluoride	7790-79-6	1750	1	1112	6.33 @ 20C		08/07/98	12/06/11	12/06/11
511	Cadmium hydroxide	21041-95-2	132			4.79		09/30/97	09/17/09	12/31/11
512	Cadmium nitrate	10325-94-7	132			3.6		07/09/97	01/20/12	01/20/12
513	Cadmium nitrate tetrahydrate	10022-68-1				2.45		09/30/97	09/17/09	12/31/11
514	Cadmium nitrite	7790-83-2						12/08/02	04/24/09	12/31/11
515	Cadmium oxide	1306-19-0	1559 subl	7.5x10-3	770	8.15		09/30/97	09/17/09	12/31/11
516	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0						06/13/02	04/24/09	12/31/11
517	Cadmium sulfate	10124-36-4				4.691		08/07/98	12/06/11	02/17/12
518	Cadmium sulfate, hydrate	7790-84-3				3.79 @ 20C		10/11/05	02/17/12	02/17/12
519	Cadmium sulfide	1306-23-6				4.83		10/11/05	04/24/09	12/31/11
520	Cadmium tungstate	7790-85-4						08/07/98	12/06/11	12/06/11

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521	Cadmium(II) acetate	543-90-8	230.5	mg/m^3	9.42	C4H6CdO4	S	255
522	Calcium	7440-70-2	40.08	mg/m^3	1.64	Ca	S	842
523	Calcium acetate	62-54-4	158.18	mg/m^3	6.47	C4.H6.O4.Ca	S	
524	Calcium arsenate	7778-44-1	398.08	mg/m^3	16.27	As2Ca3O8	S	1.455
525	Calcium carbide	75-20-7	64.1	mg/m^3	2.62	C2Ca	S	2300
526	Calcium chloride	10043-52-4	110.98	mg/m^3	4.54	CaCl2	S crystals	775
527	Calcium chloride dihydrate	10035-04-8	147.015	mg/m^3	6.01	CaCl2H4O2	S	175 dec
528	Calcium chloride hexahydrate	7774-34-7	219.075	mg/m^3	8.95	CaCl2 6H2O	S crystals	30
529	Calcium chloride hydrate	22691-02-7	129	mg/m^3	5.27	Ca.Cl2.H2.O	S	
530	Calcium chromate	13765-19-0	156.07	mg/m^3	6.38	CaCrO4	S	1000
531	Calcium cyanamide	156-62-7	80.1	mg/m^3	3.27	CCaN2	S	~1340
532	**Calcium cyanide**	**592-01-8**	92.12	mg/m^3	3.77	Ca(CN)2	S	
533	Calcium fluoride	7789-75-5	78.08	mg/m^3	3.19	CaF2	S	1418
534	Calcium formate	544-17-2	130.11	mg/m^3	5.32	C2CaH2O4	S	300 dec
535	Calcium hydride	7789-78-8	42.24	mg/m^3	1.73	CaH2	S	816 in H2O
536	Calcium hydroxide	1305-62-0	74.1	mg/m^3	3.03	CaH2O2	S	580 dec
537	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	142.98	mg/m^3	5.84	**CaCl2O2**	S	100
538	Calcium metasilicate	10101-39-0	116.17	mg/m^3	4.75	Ca.Si.O3	S	
539	Calcium monohydrogen phosphate dihydrate	7789-77-7	136.06	mg/m^3	5.56	Ca.H.P.O4.2(H2.O)	S	36
540	Calcium nitrite	13780-06-8	132.09	mg/m^3	5.40	CaN2O4	S	
541	Calcium oxalate	563-72-4	128.1	mg/m^3	5.24	C2CaO4	S	
542	Calcium oxalate, hydrate	5794-28-5	146.112	mg/m^3	5.97	Ca.C2.O4.H2.O	S	200 dec

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
521	Cadmium(II) acetate	543-90-8				2.341		08/07/98	01/16/12	01/16/12
522	Calcium	7440-70-2	1484	7.5x10-3	591	1.54		07/09/97	11/18/09	12/31/11
523	Calcium acetate	62-54-4				1.5		10/11/05	01/03/12	01/03/12
524	Calcium arsenate	7778-44-1				3.62		12/08/02	04/01/10	12/31/11
525	Calcium carbide	75-20-7				2.222		06/13/02	04/24/09	12/31/11
526	Calcium chloride	10043-52-4	1,935			2.152		08/07/98	12/06/11	12/06/11
527	Calcium chloride dihydrate	10035-04-8				1.85 @ 20C		12/08/02	12/06/11	12/06/11
528	Calcium chloride hexahydrate	7774-34-7				1.71		07/11/07	12/06/11	12/06/11
529	Calcium chloride hydrate	22691-02-7						07/11/07	12/06/11	12/06/11
530	Calcium chromate	13765-19-0				2.89 no temp		03/01/00	01/26/12	01/16/12
531	Calcium cyanamide	156-62-7	subl			2.29		09/30/97	11/11/09	09/17/09
532	**Calcium cyanide**	**592-01-8**				1.853 @ 20ºC		09/29/10		
533	Calcium fluoride	7789-75-5	2500			3.18		08/07/98	12/05/11	12/05/11
534	Calcium formate	544-17-2				2.02		08/07/98	10/15/06	12/31/11
535	Calcium hydride	7789-78-8	675dec			1.7		01/10/01	04/24/09	12/31/11
536	Calcium hydroxide	1305-62-0				2.343		08/07/98	12/06/11	12/06/11
537	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3				2.35		07/09/97	10/26/09	12/31/11
538	Calcium metasilicate	10101-39-0						10/11/05	04/24/09	12/31/11
539	Calcium monohydrogen phosphate dihydrate	7789-77-7				2.89		10/11/05	04/24/09	12/31/11
540	Calcium nitrite	13780-06-8						12/08/02	10/15/06	
541	Calcium oxalate	563-72-4						12/08/02	07/18/08	08/14/07
542	Calcium oxalate, hydrate	5794-28-5				2.12		10/11/05	04/24/09	04/24/09

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
543	Calcium oxide	1305-78-8	56.08	mg/m^3	2.29	CaO	S	2570
544	Calcium phosphate tribasic	12167-74-7	1004.64	mg/m^3	41.06	10.(Ca.O).3.(P2.O5).H2.O	S	1670
545	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	310.17644	mg/m^3	12.68	Ca3.(P.O4)2	S	
546	**Calcium phosphide**	**1305-99-3**	182.18	ppm	7.45	Ca3.P2	S	>1600
547	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)	7778-18-9	136.14	mg/m^3	5.56	CaO4S	S	1570
548	Calcium sulfide	20548-54-3	72.14	mg/m^3	2.95	CaS	S	2524
549	Calcium trifluoromethanesulfonate	55120-75-7	338.2088	mg/m^3	13.82306	C2.Ca.F6.O6.S2		
550	Calcium(II) nitrate	10124-37-5	164.1	mg/m^3	6.71	CaN2O6	S	561
551	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	236.18	mg/m^3	9.65	CaH8N2O10	S	43
552	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	172.18	mg/m^3	7.04	CaH4O6S	S	128
553	Camphor	76-22-2	152.26	mg/m^3	6.22	C10H16O	S	180
554	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	232.3	mg/m^3	9.49	C10.H16.O4.S	L	198
555	Cantharidin	56-25-7	196.22	mg/m^3	8.02	C10.H12.O4	S	218
556	Caprolactam (dust)	105-60-2	113.16	mg/m^3	4.63	C6H11NO	S	69.3
557	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	114.16	mg/m^3	4.67	C6.H10.O2	L	-1
558	Caprylyl chloride; (Octanoyl chloride)	111-64-8	162.68	mg/m^3	6.65	C8.H15.Cl.O	L	-63
559	CAPSO	73463-39-5	237.3134	mg/m^3	9.70	C9.H19.N.O4.S	S	270-274
560	Captan	133-06-2	300.59	mg/m^3	12.29	C9H8Cl3NO2S	S	172.5
561	Carbachol chloride	51-83-2	182.68	mg/m^3	7.47	C6H15ClN2O2	S	204-205
562	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	26419-73-8	234.36	mg/m^3	9.58	C8.H14.N2.O2.S2	S	
563	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde-O-(methylcarbamoyl)oxime, 2-)	116-06-3	190.26	mg/m^3	7.78	C7H14N2O2S	S	99

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
543	Calcium oxide	1305-78-8	2850			3.37		08/21/96	09/17/09	12/31/11
544	Calcium phosphate tribasic	12167-74-7				3.14 @ 20C		10/11/05	04/24/09	12/31/11
545	Calcium phosphate; (Tricalcium phosphate)	10103-46-5				2.5 @ 20C		12/08/02	04/24/09	12/31/11
546	**Calcium phosphide**	**1305-99-3**				2.238		09/05/08	02/13/12	02/13/12
547	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)	7778-18-9				2.964		08/07/98	04/24/09	12/31/11
548	Calcium sulfide	20548-54-3	dec			2.58		02/08/12	02/13/12	
549	Calcium trifluoromethanesulfonate	55120-75-7						09/02/08	04/01/10	12/31/11
550	Calcium(II) nitrate	10124-37-5	dec			2.36		09/30/97	11/18/09	12/31/11
551	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	dec			2.36		01/10/01	04/24/09	12/31/11
552	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	163			2.32		04/14/04	04/24/09	12/31/11
553	Camphor	76-22-2	204			0.992	6000	01/04/99	04/24/09	12/31/11
554	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3						07/11/07		12/31/11
555	Cantharidin	56-25-7	84 sublms	0.02	25			06/13/02	05/01/09	12/31/11
556	Caprolactam (dust)	105-60-2	270	7.5x10-3	36.8	1.02 @ 75 in Liquid form	14000	09/30/97	04/01/10	12/31/11
557	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	215	0.01	20	1.0761 @ 20C		07/11/07	05/02/09	12/31/11
558	Caprylyl chloride; (Octanoyl chloride)	111-64-8	195.6	2.5	20	0.9535 @15C		06/13/02	05/02/09	12/31/11
559	CAPSO	73463-39-5						10/11/05	05/02/09	12/31/11
560	Captan	133-06-2		9x10-8	25	1.74		09/30/97	09/17/09	12/31/11
561	Carbachol chloride	51-83-2						12/08/02	05/02/09	12/31/11
562	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	26419-73-8						12/08/02	05/02/09	12/31/11
563	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde-O-(methylcarbamoyl)oxime, 2-)	116-06-3	> 100 dec	9.75E-05	20	1.195		12/30/95	04/01/09	12/31/11

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564	Carbaryl	63-25-2	201.22	mg/m^3	8.22	C12H11NO2	S	145
565	Carbazole	86-74-8	167.22	mg/m^3	6.83	C12H9N	S	244.8
566	Carbazole violet	6358-30-1	589.4794	mg/m^3	24.09	C34.H22.C12.N4.O2	S	
567	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	362.41	mg/m^3	14.81	C23H23O2P	S	
568	Carbofuran	1563-66-2	221.28	mg/m^3	9.04	C12H15NO3	S	150-152
569	Carbon black	1333-86-4		mg/m^3		[Unspecified]	S	
570	Carbon dioxide	124-38-9	44.01	ppm	1.80	CO2	G	-56.66
571	**Carbon disulfide**	**75-15-0**	76.14	ppm	3.11	CS2	L	-112.1
572	**Carbon monoxide**	**630-08-0**	28.01	ppm	1.14	CO	G	-205.02
573	**Carbon tetrachloride**	**56-23-5**	153.82	ppm	6.29	CCl4	L	-22.62
574	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	88.01	ppm	3.60	CF4	G	-183.6
575	Carbon trifluoride; (Trifluoromethane; Fluoroform)	75-46-7	70.02	ppm	2.86	CHF3	G	-163
576	Carbon; (Graphite, synthetic)	7440-44-0	12.01	mg/m^3	0.49	C	S	
577	Carbonic acid, calcium salt	471-34-1	100.09	mg/m^3	4.09	CCaO3	S	
578	**Carbonyl fluoride**	**353-50-4**	66.01	ppm	2.70	CF2O	G	-114
579	**Carbonyl sulfide**	**463-58-1**	60.08	ppm	2.46	COS	G	-138.8
580	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	322.2302	mg/m^3	13.17	C17.H6.O7	S	226
581	Carbophenothion; (Trithion)	786-19-6	342.87	mg/m^3	14.01	C11H16ClO2PS3	L	
582	Carboxymethyl cellulose	9000-11-7	76.0518	mg/m^3	3.11	(C2.H4.O3)x	S	
583	Carboxymethyl sepharose; (CM sepharose)	68894-07-5		mg/m^3			S	
584	Casamino acids	z-0008		mg/m^3			L	
585	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9		mg/m^3		[Unspecified]	L	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
564	Carbaryl	63-25-2	dec	1.36x10-6	25	1.228		09/30/97	01/19/12	01/19/12
565	Carbazole	86-74-8	354.7	400	323	1.10 @18C		01/10/01	05/02/09	12/31/11
566	Carbazole violet	6358-30-1						10/11/05	05/02/09	12/31/11
567	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3						03/01/00	05/02/09	12/31/11
568	Carbofuran	1563-66-2		0.00002	33	1.180 @ 20C		12/08/02	05/02/09	12/31/11
569	Carbon black	1333-86-4						01/04/99	05/02/09	12/31/11
570	Carbon dioxide	124-38-9	- 78.464 subl	750	-78.6	0.72		12/30/95	09/18/09	12/31/11
571	**Carbon disulfide**	**75-15-0**	46	750	45.9	1.2632	10000	11/30/92	09/30/09	05/02/09
572	**Carbon monoxide**	**630-08-0**	-191.5	1.55x10E8	25	1.145 g/L	120000	11/30/92	10/21/09	
573	**Carbon tetrachloride**	**56-23-5**	76.8	75	15.8	1.5940 @ 20		11/30/92	10/01/09	
574	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	-127.8			3.034		04/14/04	03/10/08	12/31/11
575	Carbon trifluoride; (Trifluoromethane; Fluoroform)	75-46-7	-82.2	35300	25			04/14/04	10/01/09	12/31/11
576	Carbon; (Graphite, synthetic)	7440-44-0	3642	1	3586	1.8 - 3.53		09/30/97	12/12/11	12/12/11
577	Carbonic acid, calcium salt	471-34-1						01/04/99	01/16/08	12/31/11
578	**Carbonyl fluoride**	**353-50-4**	-83	>760		1.139 @ -114C		01/04/99	05/02/09	
579	**Carbonyl sulfide**	**463-58-1**	-50	750	-50.4	2.456	120000	12/30/95	10/01/09	12/31/11
580	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5						10/11/05	05/02/09	12/31/11
581	Carbophenothion; (Trithion)	786-19-6	82@ 0.1 mm	0.0000003	20	1.29 @ 20C		12/08/02	05/02/09	12/31/11
582	Carboxymethyl cellulose	9000-11-7						10/11/05	05/02/09	12/31/11
583	Carboxymethyl sepharose; (CM sepharose)	68894-07-5						07/11/07	05/02/09	12/31/11
584	Casamino acids	z-0008						04/14/04	05/02/09	12/31/11
585	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9						04/14/04	05/02/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
586	Castor oil	8001-79-4		mg/m^3		[Unknown]	L	
587	Catechol	120-80-9	110.11	ppm	4.50	C6H6O2	S	104.6
588	Cation exchange resin 200-400 mesh Hyd. Dowex 50W-X8	11119-67-8		mg/m^3			S	
589	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5		mg/m^3			S	
590	Cellulase	9012-54-8		mg/m^3				
591	Cellulose	9004-34-6	160000	mg/m^3	6539.42	(C6H10O5)n	S	
592	Cellulose acetate butanoate	9004-36-8		mg/m^3		C4.H8.O2.x C2.H4.O2	S	
593	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7		mg/m^3		(C6H15NO)x	S	
594	Ceric ammonium nitrate	16774-21-3	548.226	mg/m^3	22.41	CeH8N8O18	S	
595	Ceric ammonium sulfate	7637-03-8	600.5352	mg/m^3	24.54	CeH20N4O16S4	S	
596	Ceric ammonium sulfate, dihydrate	10378-47-9	632.53	mg/m^3	25.85	Ce.H20.N4.O18.S4	S	130
597	Ceric oxide	1306-38-3	172.12	mg/m^3	7.03	CeO2	S	2600
598	Cerium	7440-45-1	140.13	mg/m^3	5.73	Ce	S	804
599	Cerium acetate	537-00-8	317.27	mg/m^3	12.97	C6.H9.O6.Ce	S	308 dec.
600	Cerium chloride	7790-86-5	246.48	mg/m^3	10.07	CeCl3	S	807
601	Cerium fluoride	7758-88-5	197.12	mg/m^3	8.06	CeF3	S	1460
602	Cerium hydroxide	15785-09-8	191.14	mg/m^3	7.81	CeH3O3	S	
603	Cerium nitrate hexahydrate	10294-41-4	434.27	mg/m^3	17.75	CeH12N3O15	S	
604	Cerium oxalate	139-42-4	316.1592	mg/m^3	12.92	Ce.(C2.O4)2	S	
605	Cerium sulfate	13590-82-4	332.24	mg/m^3	13.58	CeO8S2	S	
606	Cerium trioxide	1345-13-7	328.24	mg/m^3	13.42	Ce2O3	S	1692
607	Cerium(III) sulfate	13454-94-9	568.42	mg/m^3	23.23	Ce2.(S.O4)3	S	`250 dec

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
586	Castor oil	8001-79-4	313			0.91-0.963 @ 15.5^{0}C		09/30/97	10/01/09	12/31/11
587	Catechol	120-80-9	245	3x10-2	20	1.344 @ 20	14000	09/30/97	10/01/09	12/31/11
588	Cation exchange resin 200-400 mesh Hyd. Dowex 50W-X8	11119-67-8						04/14/04	05/02/09	12/31/11
589	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5						04/14/04	05/02/09	12/31/11
590	Cellulase	9012-54-8						02/05/09	12/05/11	12/05/11
591	Cellulose	9004-34-6				1.27-1.61		12/08/02	05/02/09	12/31/11
592	Cellulose acetate butanoate	9004-36-8						04/14/04	05/02/09	12/31/11
593	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7						04/14/04	05/02/09	12/31/11
594	Ceric ammonium nitrate	16774-21-3						08/07/98	12/06/11	12/06/11
595	Ceric ammonium sulfate	7637-03-8						08/07/98	12/06/11	12/06/11
596	Ceric ammonium sulfate, dihydrate	10378-47-9						10/11/05	12/06/11	12/06/11
597	Ceric oxide	1306-38-3				7.65		08/07/98	12/06/11	12/06/11
598	Cerium	7440-45-1	3433			6.9		03/01/00	05/02/09	12/31/11
599	Cerium acetate	537-00-8						10/11/05	05/02/09	12/31/11
600	Cerium chloride	7790-86-5				3.97		07/09/97	11/18/09	12/31/11
601	Cerium fluoride	7758-88-5	2300			6.16		12/08/02	04/01/10	12/31/11
602	Cerium hydroxide	15785-09-8						12/08/02	05/02/09	
603	Cerium nitrate hexahydrate	10294-41-4						09/30/97	10/01/09	12/31/11
604	Cerium oxalate	139-42-4						08/07/98	12/06/11	12/06/11
605	Cerium sulfate	13590-82-4						08/07/98	12/06/11	12/06/11
606	Cerium trioxide	1345-13-7				6.86		12/08/02	05/02/09	12/31/11
607	Cerium(III) sulfate	13454-94-9				2.87		07/11/07	05/02/09	12/31/11

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608	Cerium(IV) hydroxide	12014-56-1	208.1452	mg/m^3	8.51	Ce.H4.O4	S	
609	Cerium(IV) nitrate	13093-17-9	392.1708	mg/m^3	16.03	Ce.4(H.N.O3)	S	
610	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	326.15	mg/m^3	13.33	CeN3O9	S	150 lose water
611	Cerous nitrite	z-0004	278.11	mg/m^3	11.37	Ce.(NO2)3	S	
612	Cesium	7440-46-2	132.91	mg/m^3	5.43	Cs	S	28.5
613	Cesium carbonate	534-17-8	325.83	mg/m^3	13.32	CCs2O3	S	
614	Cesium chloride	7647-17-8	168.36	mg/m^3	6.88	ClCs	S	646
615	Cesium fluoride	13400-13-0	151.91	mg/m^3	6.21	CsF	S	703
616	Cesium hydroxide	21351-79-1	149.9127	mg/m^3	6.13	CsHO	S deliq	315
617	Cesium iodide	7789-17-5	259.81	mg/m^3	10.62	CsI	S	626
618	Cesium metaborate	92141-86-1	175.715	mg/m3	7.181714	Cs.B.O2	S	732
619	Cesium nitrate	7789-18-6	194.92	mg/m^3	7.97	CsNO3	Pwdr	414
620	Cesium nitrite	13454-83-6	178.9097	mg/m^3	7.31	Cs.N.O2	S	
621	Cesium oxide	20281-00-9	297.81	mg/m^3	12.17	Cs2.O	S	490
622	Charcoal, activated	64365-11-3	12.01	mg/m^3	0.49	C	S	3500
623	Chloramben; (Amiben; 3-Amino-2,5-dichlorobenzoic acid)	133-90-4	206.03	mg/m^3	8.42	C7H5Cl2NO2	S	200
624	Chloramphenicol	56-75-7	323.1322	mg/m^3	13.21	C11.H12.Cl2.N2.O5	S	151
625	Chlordane	57-74-9	409.78	mg/m^3	16.75	C10H6Cl8	L or S	106
626	Chlorfenvinfos	470-90-6	359.58	mg/m^3	14.70	C12H14Cl3O4P	L	-23
627	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	106.44	mg/m^3	4.35	Na.Cl.O3	S	264
628	Chloride; (Chloride(1-); Chloride ions)	16887-00-6	35.453	ppm	1.45	Cl-	G/L	
629	Chlorinated polyolefins	68410-99-1		mg/m^3		[Unspecified]		

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
608	Cerium(IV) hydroxide	12014-56-1						10/11/05	05/02/09	12/31/11
609	Cerium(IV) nitrate	13093-17-9						07/11/07	04/13/09	12/31/11
610	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	200 dec					12/06/11	12/06/11	12/31/11
611	Cerous nitrite	z-0004						12/08/02	05/02/09	
612	Cesium	7440-46-2	668	1	279	1.873		01/04/99	04/01/10	12/31/11
613	Cesium carbonate	534-17-8						01/04/99		12/31/11
614	Cesium chloride	7647-17-8	1209			3.99		08/07/98	01/24/12	01/24/12
615	Cesium fluoride	13400-13-0	1251					08/07/98	12/06/11	12/31/11
616	Cesium hydroxide	21351-79-1				3.675		12/08/02	05/13/09	12/31/11
617	Cesium iodide	7789-17-5	1280					01/04/99	10/15/06	12/31/11
618	Cesium metaborate	92141-86-1				~3.7		05/24/10		12/31/11
619	Cesium nitrate	7789-18-6	dec.			3.685		01/04/99		12/31/11
620	Cesium nitrite	13454-83-6						12/08/02	07/18/08	08/13/07
621	Cesium oxide	20281-00-9				4.65		10/11/05	04/07/10	12/31/11
622	Charcoal, activated	64365-11-3	4827			2.3		01/04/99	05/13/09	12/31/11
623	Chloramben; (Amiben; 3-Amino-2,5-dichlorobenzoic acid)	133-90-4		0.007	100			09/30/97	01/09/12	12/31/11
624	Chloramphenicol	56-75-7	subl	1.70E-12	25			08/17/07	12/20/11	12/31/11
625	Chlordane	57-74-9	175 @ 1mmHg	9.75x10-6	25	1.6		12/30/95	11/18/09	12/31/11
626	Chlorfenvinfos	470-90-6	124-126 @0.008 mm			1.36 @ 20C		12/08/02	05/13/09	12/31/11
627	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	dec			2.490 @ 15C		10/11/05	10/11/05	12/31/11
628	Chloride; (Chloride(1-); Chloride ions)	16887-00-6						10/11/05	05/13/09	12/31/11
629	Chlorinated polyolefins	68410-99-1						07/09/97	10/01/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
630	**Chlorine**	**7782-50-5**	70.906	ppm	2.90	Cl2	G	-101.5
631	**Chlorine dioxide**	**10049-04-4**	67.45	ppm	2.76	ClO2	G	-59
632	Chlorine Hi dry granular (as Cl)	z-0006	35.453	ppm	1.45	N/A		
633	**Chlorine pentafluoride**	**13637-63-3**	130.445	ppm	5.33	ClF5	G	-103
634	**Chlorine trifluoride**	**7790-91-2**	92.45	ppm	3.78	ClF3	G	-76.34
635	Chlormephos	24934-91-6	234.7	mg/m^3	9.59	C5H12ClO2PS2	L	
636	Chlormequat chloride; (Choline dichloride)	999-81-5	158.09	mg/m^3	6.46	C5H13Cl2N	S	245 dec
637	**Chloro-1,1,1,2-tetrafluoroethane, 2-**	**2837-89-0**	136.4765	ppm	5.58	C2.H.Cl.F4	L	-199
638	**Chloro-1,1-difluoroethane, 1-; (HCFC-142b)**	**75-68-3**	100.5	ppm	4.11	C2H3ClF2	G	-131
639	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	110.55	ppm	4.52	C3.H7.Cl.O2	L	
640	Chloro-1-butanol, 4-	928-51-8	108.58	mg/m^3	4.44	C4.H9.Cl.O	L	
641	Chloro-2,4-dinitrobenzene, 1-	97-00-7	202.56	mg/m^3	8.28	C6.H3.Cl.N2.O4	S	alpha = 51; beta = 43; gamma = 27
642	Chloro-2-methyl-1-propene, 3-	563-47-3	90.56	ppm	3.70	C4H7Cl	L	<-80
643	Chloro-2-methyl-4-isothiazolin-3-one, 5-	26172-55-4	149.6	mg/m^3	6.11	C4.H4.Cl.N.O.S	L	
644	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	92.58	ppm	3.78	C4.H9.Cl	L	-25.6
645	Chloro-2-nitrophenol, 4-	89-64-5	173.554	mg/m^3	7.09	C6.H4.Cl.N.O3	S	88.5
646	Chloro-4-nitrophenol, 2-	619-08-9	173.56	ppm	7.09	C6H4ClNO3	S	111
647	**Chloroacetaldehyde**	**107-20-0**	78.5	ppm	3.21	C2H3ClO	L	-16.3
648	Chloroacetaldehyde dimethyl acetal	97-97-2	124.5669	mg/m^3	5.09	C4.H9.Cl.O2	L	
649	Chloroacetic acid, sodium salt	3926-62-3	116.48	mg/m^3	4.76	C2H2ClNaO2	S crystals	
650	**Chloroacetic acid; (Monochloroacetic acid)**	**79-11-8**	94.5	ppm	3.86	C2H3ClO2	S	63

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
630	**Chlorine**	**7782-50-5**	-34.04	5.83x10E3	25	2.898g/L		11/30/92	10/01/09	10/11/05
631	**Chlorine dioxide**	**10049-04-4**	11			3.09 @ 11C	100000	03/01/00	04/01/10	10/11/05
632	Chlorine Hi dry granular (as Cl)	z-0006						08/07/98	05/13/09	12/31/11
633	**Chlorine pentafluoride**	**13637-63-3**	-13.1			5.332 g/L		12/08/02	12/05/11	
634	**Chlorine trifluoride**	**7790-91-2**	11.75	750	11.4	3.779		11/30/92	10/21/09	10/21/09
635	Chlormephos	24934-91-6	81-85 @ 0.1 mm	0.0056	30	1.26		12/08/02	05/13/09	12/31/11
636	Chlormequat chloride; (Choline dichloride)	999-81-5		7.5E-08	20			12/08/02	05/13/09	12/31/11
637	**Chloro-1,1,1,2-tetrafluoroethane, 2-**	**2837-89-0**	12	2888	25	1.364		09/05/08	05/13/09	
638	**Chloro-1,1-difluoroethane, 1-; (HCFC-142b)**	**75-68-3**	-9.5	>760		1.19	62000	01/04/99	05/13/09	
639	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	213 dec	0.2	20	1.326		07/11/07		12/31/11
640	Chloro-1-butanol, 4-	928-51-8	84 @ 16mm			1.088 @ 20C		10/11/05	10/11/05	12/31/11
641	Chloro-2,4-dinitrobenzene, 1-	97-00-7	315			1.68	20000	12/08/02		12/31/11
642	Chloro-2-methyl-1-propene, 3-	563-47-3	72.17	101.7	20	0.9257 @ 20C	23000	06/13/02		12/31/11
643	Chloro-2-methyl-4-isothiazolin-3-one, 5-	26172-55-4						08/17/07	05/14/09	12/31/11
644	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	50.9			0.87		07/11/07		12/31/11
645	Chloro-2-nitrophenol, 4-	89-64-5						10/11/05	10/11/05	12/31/11
646	Chloro-4-nitrophenol, 2-	619-08-9						12/08/02		12/31/11
647	**Chloroacetaldehyde**	**107-20-0**	85.5	100	20	1.19	57000	09/15/95	10/21/05	
648	Chloroacetaldehyde dimethyl acetal	97-97-2	127.5			1.4150 @ 20ºC		10/11/05	10/11/05	12/31/11
649	Chloroacetic acid, sodium salt	3926-62-3						10/11/05	12/05/11	12/31/11
650	**Chloroacetic acid; (Monochloroacetic acid)**	**79-11-8**	189.3	7.5	78.4	1.4043 @ 40ºC	80000	09/30/97	11/18/09	12/31/11

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651	**Chloroacetone**	**78-95-5**	92.53	ppm	3.78	C3H5ClO	L	-44.5
652	**Chloroacetonitrile**	**107-14-2**	75.5	ppm	3.09	C2.H2.Cl.N	L	
653	**Chloroacetyl chloride**	**79-04-9**	112.94	ppm	4.62	C2H2Cl2O	L	-22
654	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3	251.16	mg/m^3	10.27	C9H16Cl2N4	S	178-210
655	Chloroaniline, p-	106-47-8	127.57	mg/m^3	5.21	C6H6ClN	S crystals	70.5
656	**Chlorobenzene; (Benzene chloride)**	**108-90-7**	112.56	ppm	4.60	C6H5Cl	L	-45.31
657	Chlorobenzotrifluoride, 2-	88-16-4	180.56	mg/m^3	7.38	C7.H4.Cl.F3	L	-6
658	Chlorobenzylate; (4,4'-Dichlorobenzilic acid ethyl ester)	510-15-6	325.19	mg/m^3	13.29	C16H14Cl2O3	S or L	37
659	**Chlorobenzylidene malononitrile, o-; (Tear Gas)**	**2698-41-1**	188.62	mg/m^3	7.71	C10.H5.Cl.N2	S	95
660	Chlorobutane, 1-; (Butyl chloride)	109-69-3	92.58	ppm	3.78	C4H9Cl	L	-123.1
661	Chlorobutane, 2-; (sec-Butyl chloride)	78-86-4	92.58	ppm	3.78	C4.H9.Cl	L	-140
662	Chlorobutyryl chloride, 4-	4635-59-0	141	mg/m^3	5.76	C4.H6.Cl2.O	L	
663	Chlorocyclohexanol, trans-2-	6628-80-4	134.61	mg/m^3	5.50	C6H11ClO	S	29
664	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	116.5901	ppm	4.77	C6.H9.Cl	L	
665	Chlorodecane, 1-	1002-69-3	176.7289	ppm	7.22	C10.H21.Cl	L	-34
666	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	120.57	mg/m^3	4.93	C4H10AlCl	S	-50
667	Chlorodifluoromethane; (Freon 22; CFC 22)	75-45-6	86.47	ppm	3.53	CHClF2	G	-157.42
668	Chloroethanesulfonyl chloride, 2-	1622-32-8	163.02	mg/m^3	6.66	C2.H4.Cl2.O2.S	S	
669	Chloroethyl chloroformate	627-11-2	142.97	mg/m^3	5.84	C3.H4.Cl2.O2	L	
670	Chloroethyl phenyl sulfide, 2-	5535-49-9	172.6721	mg/m3	7.06	C8.H9.Cl.S	S	104
671	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	106.56	ppm	4.36	C4.H7.Cl.O	L	-70.3

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
651	**Chloroacetone**	**78-95-5**	119			1.162		01/04/99	05/13/09	12/31/11
652	**Chloroacetonitrile**	**107-14-2**	126.5	15	30	1.193 @ 20ºC		10/11/05	05/13/09	12/31/11
653	**Chloroacetyl chloride**	**79-04-9**	106	7.5	5.6	1.4202 @ 20		11/30/92	06/23/10	
654	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3		<1.0x10-7	25	0.4 No Temp		07/09/97	10/02/09	12/31/11
655	Chloroaniline, p-	106-47-8	232	0.071	25	1.429 @ 19ºC	22000	12/30/95	01/16/12	01/16/12
656	**Chlorobenzene; (Benzene chloride)**	**108-90-7**	131.72	7.5	16.8	1.1058 @ 20^{0}C	13000	12/30/95	10/21/09	08/17/07
657	Chlorobenzotrifluoride, 2-	88-16-4	152.2			1.254 @ 30ºC		10/11/05	10/11/05	12/31/11
658	Chlorobenzylate; (4,4'-Dichlorobenzilic acid ethyl ester)	510-15-6	157 @ 0.07mmHg	2.2x10-6	20	1.2816 @ 20^{0}C		09/30/97	05/13/09	12/31/11
659	**Chlorobenzylidene malononitrile, o-; (Tear Gas)**	**2698-41-1**	313	0.00003	20			06/13/02	01/21/10	01/21/10
660	Chlorobutane, 1-; (Butyl chloride)	109-69-3	78.5	80.1	20	0.892 @ 15C	18000	04/14/04		12/31/11
661	Chlorobutane, 2-; (sec-Butyl chloride)	78-86-4	68.5			0.873		07/11/07	04/13/09	12/31/11
662	Chlorobutyryl chloride, 4-	4635-59-0	173.5	1.32	25	1.258	55000	07/11/07	04/03/08	12/31/11
663	Chlorocyclohexanol, trans-2-	6628-80-4	93					03/01/00		12/31/11
664	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4					14000	12/08/02	05/13/09	08/15/07
665	Chlorodecane, 1-	1002-69-3	223			0.871		10/11/05	04/01/10	12/31/11
666	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	208			0.961 @ 25C	12000	12/08/02	04/01/10	12/31/11
667	Chlorodifluoromethane; (Freon 22; CFC 22)	75-45-6	-40.7	750	-41.1	1.4909 @ 69^{0}C		08/21/96	11/11/09	12/31/11
668	Chloroethanesulfonyl chloride, 2-	1622-32-8	200-203			1.555 @ 20C		12/08/02	05/13/09	12/31/11
669	Chloroethyl chloroformate	627-11-2	155.7	13	48-49	1.3847 @ 20C		12/08/02	05/13/09	12/31/11
670	Chloroethyl phenyl sulfide, 2-	5535-49-9	245			1.18		08/05/10		12/31/11
671	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	108	30	25	1.05 @ 20C		06/13/02	07/16/08	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
672	Chloroethylchloromethylsulfide, 2-	2625-76-5	145.0464	ppm	5.93	C3.H6.Cl2.S		
673	**Chloroform**	**67-66-3**	119.38	ppm	4.88	CHCl3	L	-63.41
674	Chloroform-d; (Deuterated chloroform)	865-49-6	120.4	ppm	4.92	CCl3D	L	-64
675	Chloro-m-cresol, 4-	59-50-7	142.59	mg/m^3	5.83	C7H7ClO	S	55.5
676	**Chloromethyl methyl ether**	**107-30-2**	80.51	ppm	3.29	C2H5ClO	L	-103.5
677	**Chloromethyl(trichloro)silane**	**1558-25-4**	183.92	ppm	7.52	CH2Cl4Si	L	111-112
678	Chloronaphthalene, 1-; (alpha-Chloronaphthalene)	90-13-1	162.62	mg/m^3	6.65	C10H7Cl	L	-2.5
679	Chloronaphthalene, 2-; (beta-Chloronaphthalene)	91-58-7	162.62	mg/m^3	6.65	C10H7Cl	S	58
680	Chloronitrobenzene, p-; (p-Nitrochlorobenzene)	100-00-5	157.56	mg/m^3	6.44	C6H4ClNO2	S	82
681	Chloroperoxybenzoic acid, 3-	937-14-4	172.57	mg/m^3	7.05	C7H5ClO3	S	94
682	Chlorophacinone	3691-35-8	374.83	mg/m^3	15.32	C23.H15.Cl.O3	S	
683	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	128.56	mg/m^3	5.25	C6H5ClO	S	42.8
684	Chlorophenol, m-	108-43-0	128.56	mg/m^3	5.25	C6H5ClO	S	33
685	Chlorophenol, o-	95-57-8	128.56	ppm	5.25	C6H5ClO	L	9.4
686	Chlorophenyl phenyl ether, 4-	7005-72-3	204.65	mg/m^3	8.36	C12.H9.Cl.O	L	-8
687	Chlorophenyl thiourea, 2-	5344-82-1	186.67	mg/m^3	7.63	C7.H7.Cl.N2.S	S	146
688	Chloropicrin/Methyl bromide mixture	8004-09-9	259.31	mg/m^3	10.60	C2H3BrCl3NO2	L	
689	Chloropicrin/Methyl chloride mixture	z-0007	85	mg/m^3	3.47	[Unspecified]	L	
690	**Chloropicrin; (Trichloronitromethane)**	**76-06-2**	164.38	ppm	6.72	CCl3NO2	L	-64
691	Chloroprene; (beta-Chloroprene; Neoprene)	126-99-8	88.54	ppm	3.62	C4H5Cl	L	-130
692	Chloropropanol, 3-; (1-Propanol, 3-chloro-)	627-30-5	94.55	mg/m^3	3.86	C3.H7.Cl.O	L	
693	Chloropropionitrile, 3-	542-76-7	89.53	ppm	3.66	C3.H4.Cl.N	L	-51

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
672	Chloroethylchloromethylsulfide, 2-	2625-76-5						10/11/05	04/13/09	08/15/07
673	**Chloroform**	**67-66-3**	61.17	75	4.3	1.4788	120000	10/31/92	06/23/10	10/11/05
674	Chloroform-d; (Deuterated chloroform)	865-49-6	60.9			1.5004	120000	04/14/04	04/01/10	05/13/09
675	Chloro-m-cresol, 4-	59-50-7	235					01/04/99	07/18/08	12/31/11
676	**Chloromethyl methyl ether**	**107-30-2**	59.5	75	6	1.063 @ 10^0C		12/30/95	10/02/09	12/31/11
677	**Chloromethyl(trichloro)silane**	**1558-25-4**	118			1.465		01/10/01	05/14/09	
678	Chloronaphthalene, 1-; (alpha-Chloronaphthalene)	90-13-1	259	7.5x10-3	14	1.188		09/30/97	10/21/09	12/31/11
679	Chloronaphthalene, 2-; (beta-Chloronaphthalene)	91-58-7	256	0.0122	25	1.1377 @ 71^0C		11/15/96	10/02/09	12/31/11
680	Chloronitrobenzene, p-; (p-Nitrochlorobenzene)	100-00-5	242	7.5x10-3	15.4	1.2979 @ 90^0C		09/30/97	01/19/12	01/19/12
681	Chloroperoxybenzoic acid, 3-	937-14-4						08/07/98	10/11/05	12/31/11
682	Chlorophacinone	3691-35-8						12/08/02	05/14/09	12/31/11
683	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	220	0.75	45	1.2651 @ 40^0C	17000	04/14/04	04/15/11	04/15/11
684	Chlorophenol, m-	108-43-0	210-214	1	44.2	1.245		01/04/99	01/24/12	01/24/12
685	Chlorophenol, o-	95-57-8	174.9	7.5	45.8	1.2634 @ 20^0C		12/30/95	01/24/12	12/31/11
686	Chlorophenyl phenyl ether, 4-	7005-72-3	284-285	0.0027	25	1.2026 @15C		06/13/02	01/24/12	01/24/12
687	Chlorophenyl thiourea, 2-	5344-82-1	323	0.000002	25			12/08/02	05/14/09	12/31/11
688	Chloropicrin/Methyl bromide mixture	8004-09-9						12/08/02	05/14/09	05/14/09
689	Chloropicrin/Methyl chloride mixture	z-0007						01/10/01	05/14/09	05/14/09
690	**Chloropicrin; (Trichloronitromethane)**	**76-06-2**	112	7.5	4.4	1.6558 @ 20^0C		11/30/92	10/05/09	08/15/07
691	Chloroprene; (beta-Chloroprene; Neoprene)	126-99-8	59.4	75	0.3	.956 @ 20^0C	19000	09/30/97	01/27/12	01/27/12
692	Chloropropanol, 3-; (1-Propanol, 3-chloro-)	627-30-5	165			1.309 @ 20C		10/11/05	10/11/05	12/31/11
693	Chloropropionitrile, 3-	542-76-7	176	2.5	25	1.1363 @ 25C		06/13/02	05/14/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
694	Chloropropyl)trimethoxysilane, 3-(; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	198.75	ppm	8.12	C6.H15.Cl.O3.Si	L	
695	Chloropropylene, 2-	557-98-2	76.53	ppm	3.13	C3.H5.Cl	G/L	-138.6
696	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	238.85	mg/m^3	9.76	C11.H23.Cl.O.S	L	
697	Chloro-p-toluenesulfonamide sodium salt, N-; (Chloramine T)	127-65-1	227.65	mg/m^3	9.30	C7H8ClNNaO2S	S powd	167-170
698	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7	156.54856	ppm	6.40	C4.H10.Cl.O2.P		
699	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5	198.62896	ppm	8.12	C7.H16.Cl.O2.P		
700	**Chlorosulfonic acid; (Chlorosulfuric acid)**	**7790-94-5**	116.52	mg/m^3	4.76	ClHO3S	L	-80
701	Chlorothalonil; (Tetrachloroisophthalonitrile)	1897-45-6	265.9	mg/m^3	10.87	C8.Cl4.N2	S	250-251
702	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	126.58	ppm	5.17	C7H7Cl	L	-35.8
703	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	126.58	ppm	5.17	C7H7Cl	L	7.5
704	Chlorotrifluoroethene, homopolymer	9002-83-9		mg/m^3		(C2.Cl.F3)n	S	
705	**Chlorotrifluoroethylene**	**79-38-9**	116.47	ppm	4.76	C2ClF3	G	-158.2
706	Chlorotrifluoromethane; (CFC-13)	75-72-9	104.46	ppm	4.27	C.Cl.F3	G	-181
707	**Chlorovinylarsine dichloride; (Lewisite 1)**	**541-25-3**	207.31	mg/m^3	8.47	C2.H2.As.Cl3	L	-13
708	Chloroxuron	1982-47-4	290.77	mg/m^3	11.88	C15.H15.Cl.N2.O2	S	151-152
709	Chlorpyrifos; (Dursban)	2921-88-2	350.59	mg/m^3	14.33	C9H11Cl3NO3PS	S	42-43.5
710	Chlorsulfuran	64902-72-3	357.8	mg/m^3	14.62	C12H12ClN5O4S	S	174-178
711	Chlorthiophos	21923-23-9	361.25	mg/m^3	14.76	C11.H15.Cl2.O3.P.S2	L	
712	Chromates	13907-45-4	115.97	mg/m^3	4.74	CrO4		
713	Chromic acetate; (Chromium(III) acetate)	1066-30-4	229.15	mg/m^3	9.37	C6H9CrO6	S	
714	Chromic chloride; (Chromium(III) chloride)	10025-73-7	158.35	mg/m^3	6.47	Cl3Cr	S	1152

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
694	Chloropropyl)trimethoxysilane, 3-(; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	195	<5	25	1.09		07/11/07		12/31/11
695	Chloropropylene, 2-	557-98-2	22.65	819	25	0.9017 @ 20C	45000	06/13/02	07/19/08	12/31/11
696	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	338	0.00002	25			12/08/02	05/14/09	12/31/11
697	Chloro-p-toluenesulfonamide sodium salt, N-; (Chloramine T)	127-65-1						01/04/99	02/22/08	12/31/11
698	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7						10/11/05	06/01/09	08/17/07
699	Chlorosoman; (o-Pinacolyl methylphosphonochloridate)	7040-57-5						10/11/05	10/11/05	12/31/11
700	**Chlorosulfonic acid; (Chlorosulfuric acid)**	**7790-94-5**	152	7.5	38.7	1.75		11/30/92	10/07/09	
701	Chlorothalonil; (Tetrachloroisophthalonitrile)	1897-45-6	350	5.7E-07	25	2.8		08/17/07		12/31/11
702	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	159	7.5	38	1.0825 @ 20^0C	10000	09/30/97	10/07/09	12/31/11
703	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	162.4	7.5	40	1.0697 @ 20^0C	7000	09/30/97	10/07/09	12/31/11
704	Chlorotrifluoroethene, homopolymer	9002-83-9						10/11/05	12/08/11	12/31/11
705	**Chlorotrifluoroethylene**	**79-38-9**	-27.8	750	-28.4	1.54 @ 60^0C	84000	11/30/92	10/07/09	08/15/07
706	Chlorotrifluoromethane; (CFC-13)	75-72-9	-81.4	21400	25			06/13/02	05/15/09	12/31/11
707	**Chlorovinylarsine dichloride; (Lewisite 1)**	**541-25-3**	190 dec	0.4	20	1.888 @ 20C		12/08/02	05/15/09	
708	Chloroxuron	1982-47-4		3.9E-09	20	1.34 @ 20C		12/08/02	05/15/09	12/31/11
709	Chlorpyrifos; (Dursban)	2921-88-2						01/04/99	05/15/09	12/31/11
710	Chlorsulfuran	64902-72-3	192 dec	0.81313	25			12/08/02	01/19/12	01/19/12
711	Chlorthiophos	21923-23-9	150					12/08/02	05/15/09	12/31/11
712	Chromates	13907-45-4						08/07/98	12/06/11	12/06/11
713	Chromic acetate; (Chromium(III) acetate)	1066-30-4						06/13/02	01/03/12	01/03/12
714	Chromic chloride; (Chromium(III) chloride)	10025-73-7	1300 subl			1.76		08/07/98	02/13/12	02/13/12

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715	Chromic oxide; (Chromium(III) oxide; Chromium sesquioxide)	1308-38-9	151.99	mg/m^3	6.21	Cr2O3	S crystals	2320
716	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	392.18	mg/m^3	16.03	Cr2O12S3	S	
717	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	99.99	mg/m^3	4.09	CrO3	S crystals	197
718	Chromic(III) hydroxide; (Chromic acid (H3CrO3); Chromium trihydroxide)	1308-14-1	103.02	mg/m^3	4.21	CrH3O3	S	
719	Chromite; (Chromite (mineral))	1308-31-2	223.85	mg/m^3	9.15	Cr2FeO4	S	
720	Chromium	7440-47-3	52	mg/m^3	2.13	Cr	S	1907
721	Chromium nitrate	10103-47-6	493.14	mg/m^3	20.16	CrHxNO3	S	
722	Chromium perchlorate, hydrated	13537-21-8	350.35	mg/m^3	14.32	Cr.Cl3.O12	S	
723	Chromium(III) acetate hydroxide	39430-51-8	250	mg/m^3	10.22	[Unspecified]	S	
724	Chromium(III) chloride, hexahydrate	10060-12-5	266.47	mg/m^3	10.89	Cl3.Cr.H12.O6	S hygr.	83
725	Chromium(III) fluoride	7788-97-8	109	mg/m^3	4.45	Cr.F3	S	1400
726	Chromium(III) nitrate	13548-38-4	238.03	mg/m^3	9.73	CrN3O9	S	60
727	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2	85.0027	mg/m^3	3.47	Cr.O.(O.H)		
728	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	499.41	mg/m^3	20.41	Cr.K.O8.S2.12(H2.O)	S	89
729	Chromium(VI) hydroxide	12626-43-6	154.0399	mg/m^3	6.30	Cr.(O.H)6	S	
730	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	122.9	mg/m^3	5.02	Cl2Cr	S	824
731	Chrysene (coal tar volatile)	218-01-9	228.29	mg/m^3	9.33	C18H12	S	255.5
732	Cinnamaldehyde	104-55-2	132.17	mg/m^3	5.40	C9.H8.O	L	-7.5
733	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	132.17	ppm	5.40	C9.H8.O	L	-7.5
734	Citric acid	77-92-9	192.12	mg/m^3	7.85	C6H8O7	S	153
735	Citric acid monohydrate	5949-29-1	210.16	mg/m^3	8.59	C6H10O8	S	153
736	Citric acid, trisodium salt, dihydrate	6132-04-3	294.1	mg/m^3	12.02	3 Na.C6.H5.O7.2 H2.O	S	>300 dec

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
715	Chromic oxide; (Chromium(III) oxide; Chromium sesquioxide)	1308-38-9	~ 3000			5.22		08/21/96	01/26/12	01/26/12
716	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8				3.012		01/04/99	01/26/12	12/31/11
717	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	~250 dec			2.70		09/30/97	12/07/11	12/07/11
718	Chromic(III) hydroxide; (Chromic acid (H3CrO3); Chromium trihydroxide)	1308-14-1						09/30/97	01/03/12	01/03/12
719	Chromite; (Chromite (mineral))	1308-31-2				4.97 @ 20C		08/07/98	01/26/12	12/31/11
720	Chromium	7440-47-3	2671	7.5x10-3	1383	7.15		12/30/95	01/03/12	01/03/12
721	Chromium nitrate	10103-47-6						10/11/05	01/26/12	12/31/11
722	Chromium perchlorate, hydrated	13537-21-8						10/11/05	01/27/12	12/31/11
723	Chromium(III) acetate hydroxide	39430-51-8						04/14/04	09/13/10	12/31/11
724	Chromium(III) chloride, hexahydrate	10060-12-5				1.76		10/11/05	02/13/12	01/27/12
725	Chromium(III) fluoride	7788-97-8				3.8		10/11/05	01/27/12	12/31/11
726	Chromium(III) nitrate	13548-38-4	100 dec					07/09/97	01/13/12	01/13/12
727	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2						12/08/02	01/27/12	12/31/11
728	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0				1.83		10/11/05	01/27/12	01/27/12
729	Chromium(VI) hydroxide	12626-43-6						12/08/02	01/13/12	01/13/12
730	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	1300			2.751 @ 14ºC		06/13/02	01/19/12	01/19/12
731	Chrysene (coal tar volatile)	218-01-9	448	6.23x10-9	25	1.274 @ 24^{0}C		12/30/95	01/16/12	01/16/12
732	Cinnamaldehyde	104-55-2	253	1	78	1.05		10/11/05	02/17/12	02/17/12
733	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	252			1.048		10/11/05	01/20/12	01/20/12
734	Citric acid	77-92-9	dec	1.78x10-9	25	1.665 @ 20^{0}C	2800	07/09/97	04/19/10	12/31/11
735	Citric acid monohydrate	5949-29-1	dec			1.655 @ 20C		12/08/02	04/19/10	12/31/11
736	Citric acid, trisodium salt, dihydrate	6132-04-3						04/14/04	04/19/10	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
737	Coal tar pitch volatiles; (Particulate polycyclic aromatic hydrocarbons)	65996-93-2		mg/m^3		[Unspecified]	L	
738	Coal tar, aerosol	8007-45-2		mg/m^3		[Unspecified]	L	
739	Cobalt	7440-48-4	58.93	mg/m^3	2.41	Co	S	1495
740	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	249.11	mg/m^3	10.18	C4H14CoO8	L	
741	Cobalt carbonyl	10210-68-1	341.94	mg/m^3	13.98	C8Co2O8	S	51
742	Cobalt chloride	7646-79-9	129.83	mg/m^3	5.31	Cl2Co	S	735
743	**Cobalt hydrocarbonyl**	**16842-03-8**	171.98	mg/m3	7.03	H.Co.(C.O)4	L/G unstble	-33
744	Cobalt hydroxide	21041-93-0	92.95	mg/m^3	3.80	CoH2O2	S	
745	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	291.07	mg/m^3	11.90	CoH12N2O12	S	~55
746	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	182.95	mg/m^3	7.48	CoN2O6	S	55
747	Cobalt nitrite	32486-57-0	150.93	mg/m^3	6.17	Co.(N.O2)2	S	
748	Cobalt oxide; (Cobaltic-cobaltous oxide)	1308-06-1	240.79	mg/m^3	9.84	Co3O4	S	900 dec
749	Cobalt sulfate	10124-43-3	154.99	mg/m^3	6.33	CoO4S	S	735
750	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	281.13	mg/m^3	11.49	CoH14O11S	S	735
751	Cobalt tetraphenylporphine	14172-90-8		mg/m^3		[Unknown]		
752	Cobalt(II) chloride hexahydrate	7791-13-1	237.95	mg/m^3	9.73	Cl2CoH12O6	S	86
753	Cobalt(II) oxide	1307-96-6	74.93	mg/m^3	3.06	CoO	S	1935
754	Cobalt(II) perchlorate, hexahydrate	13478-33-6	365.95	mg/m^3	14.96	Co.Cl2.O8.6 H2.O	S	
755	Cobalt(II) sulfate hydrate	60459-08-7	173	mg/m^3	7.07	Co.S.O4.H2.O	S	
756	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-; (Fluomine)	62207-76-5	361.23	mg/m^3	14.76	C16.H12.Co.F2.N2.O2	S	
757	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7	218.75	mg/m^3	8.94	Br2Co	S	678
758	Cobaltous carbonate	513-79-1	118.94	mg/m^3	4.86	CCoO3	S crystals	280 dec

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
737	Coal tar pitch volatiles; (Particulate polycyclic aromatic hydrocarbons)	65996-93-2						09/30/97	01/25/11	01/25/11
738	Coal tar, aerosol	8007-45-2				1.18-1.23 No temp		09/30/97	01/24/12	01/24/12
739	Cobalt	7440-48-4	2927	7.5x10-3	1517	8.86		09/30/97	04/19/10	12/31/11
740	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1						04/14/04	05/19/09	12/31/11
741	Cobalt carbonyl	10210-68-1	52 decom	0.07	15	1.87		06/13/02	04/19/10	12/31/11
742	Cobalt chloride	7646-79-9	1049			3.348		01/04/99	04/19/10	12/31/11
743	**Cobalt hydrocarbonyl**	**16842-03-8**	10					10/11/05	06/23/10	12/31/11
744	Cobalt hydroxide	21041-93-0						12/08/02	04/19/10	12/31/11
745	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	>74			1.88		04/14/04	04/19/10	12/31/11
746	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	75 dec			1.87		08/07/98	01/19/12	01/19/12
747	Cobalt nitrite	32486-57-0						12/08/02	04/19/10	12/31/11
748	Cobalt oxide; (Cobaltic-cobaltous oxide)	1308-06-1						01/10/01	12/06/11	12/06/11
749	Cobalt sulfate	10124-43-3	dec			3.71		04/14/04	04/19/10	12/31/11
750	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1				3.71		04/14/04	04/19/10	12/31/11
751	Cobalt tetraphenylporphine	14172-90-8						08/07/98	12/06/11	12/06/11
752	Cobalt(II) chloride hexahydrate	7791-13-1	1049			1.924		04/14/04	04/19/10	12/31/11
753	Cobalt(II) oxide	1307-96-6				6.45		08/07/98	12/06/11	12/06/11
754	Cobalt(II) perchlorate, hexahydrate	13478-33-6						07/11/07	04/19/10	12/31/11
755	Cobalt(II) sulfate hydrate	60459-08-7						10/11/05	04/19/10	12/31/11
756	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-; (Fluomine)	62207-76-5		0.00001	25			12/08/02	04/19/10	12/31/11
757	Cobaltous bromide; (Cobalt(II) bromide)	7789-43-7				4.909 @ 25C		06/13/02	04/19/10	12/31/11
758	Cobaltous carbonate	513-79-1				4.2		08/07/98	12/07/11	12/07/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
759	Colchicine	64-86-8	399.48	mg/m^3	16.33	C22.H25.N.O6	S	155-157
760	Copper	7440-50-8	63.55	mg/m^3	2.60	Cu	S	1084.62
761	Copper cyanide; (Copper(I) cyanide; Cuprous cyanide)	544-92-3	89.56	mg/m^3	3.66	CCuN	S	474
762	Copper hydroxide; (Copper(II) hydroxide, Cupric hydroxide)	20427-59-2	97.56	mg/m^3	3.99	CuH2O2	S ins	
763	Copper nitrate; (Cupric nitrate)	3251-23-8	187.56	mg/m^3	7.67	CuN2O6	S	255
764	Copper oxide; (Copper(I) oxide)	1317-39-1	143.08	mg/m^3	5.85	Cu2O	S	1235
765	Copper sulfate; (Copper(II) sulfate)	7758-98-7	159.6	mg/m^3	6.52	CuO4S	S	200
766	Copper(I) chloride; (Cuprous chloride)	7758-89-6	98.99	mg/m^3	4.05	ClCu	S	430
767	Copper(I) sulfide	22205-45-4	159.14	mg/m^3	6.50	Cu2.S	S	1127
768	Copper(II) acetate monohydrate	6046-93-1	199.66	mg/m^3	8.16	C4H8CuO5	S	115
769	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	221.11	mg/m^3	9.04	CH2Cu2O5	S crystals	200 dec
770	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	134.45	mg/m^3	5.50	Cl2Cu	S	598
771	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	170.48	mg/m^3	6.97	Cl2CuH4O2	S	100
772	Copper(II) oxalate	814-91-5	153.58	mg/m^3	6.28	C2.H2.O4.Cu	S	
773	Copper(II) perchlorate, dihydrate	17031-32-2	298.48	mg/m^3	12.20	Cu.Cl2.O8.2(H2.O)	S	
774	Copper(II) sulfate pentahydrate	7758-99-8	249.7	mg/m^3	10.21	CuH10O9S	S	110 lose 4H2O
775	Copper(II) sulfide	1317-40-4	95.6	mg/m^3	3.91	Cu.S	S	103 trans.
776	Corn oil	8001-30-7		mg/m^3			L	-10
777	Coumaphos	56-72-4	362.78	mg/m^3	14.83	C14.H16.Cl.O5.P.S	S	95
778	Coumarin	91-64-5	146.15	mg/m^3	5.97	C9.H6.O2	S	70-71
779	Coumatetralyl; (Endrocide)	5836-29-3	292.35	mg/m^3	11.95	C19.H16.O3	S	172-176
780	Creosote (coal tar)	8001-58-9		mg/m^3		UK	L	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
759	Colchicine	64-86-8	407	0.00001	25			06/13/02	05/19/09	12/31/11
760	Copper	7440-50-8	2562	7.5x10-3	1236	8.96		12/30/95	04/19/10	12/31/11
761	Copper cyanide; (Copper(I) cyanide; Cuprous cyanide)	544-92-3	1400 dec			2.92		01/10/01	05/02/10	12/31/11
762	Copper hydroxide; (Copper(II) hydroxide, Cupric hydroxide)	20427-59-2				3.368		12/08/02	04/19/10	12/31/11
763	Copper nitrate; (Cupric nitrate)	3251-23-8	subl			2.05		07/09/97	04/19/10	12/31/11
764	Copper oxide; (Copper(I) oxide)	1317-39-1	1800 dec			6		08/07/98	12/07/11	12/07/11
765	Copper sulfate; (Copper(II) sulfate)	7758-98-7				2.284		08/07/98	04/19/10	12/31/11
766	Copper(I) chloride; (Cuprous chloride)	7758-89-6	1490	1	546	3.53		08/07/98	04/19/10	12/31/11
767	Copper(I) sulfide	22205-45-4				5.6		10/11/05	04/19/10	12/31/11
768	Copper(II) acetate monohydrate	6046-93-1						04/14/04	04/19/10	12/31/11
769	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1				4		04/14/04	12/08/11	12/08/11
770	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	993			3.4		07/09/97	11/18/09	12/31/11
771	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	993 dec			2.51		04/14/04	12/12/11	12/12/11
772	Copper(II) oxalate	814-91-5						10/11/05	05/20/09	12/31/11
773	Copper(II) perchlorate, dihydrate	17031-32-2						10/11/05	05/20/09	12/31/11
774	Copper(II) sulfate pentahydrate	7758-99-8	150 dec			2.286 @ 15.6C		12/08/02	05/20/09	12/31/11
775	Copper(II) sulfide	1317-40-4	200			4.6		10/11/05	05/20/09	12/31/11
776	Corn oil	8001-30-7				0.92		07/11/07	01/24/12	01/24/12
777	Coumaphos	56-72-4		9.7E-08	20	1.47 @ 20C		12/08/02	05/20/09	12/31/11
778	Coumarin	91-64-5	291-301.7	a. 0.00098 b. 1	25 106	0.935		10/11/05	05/20/09	12/31/11
779	Coumatetralyl; (Endrocide)	5836-29-3						12/08/02	05/20/09	12/31/11
780	Creosote (coal tar)	8001-58-9	203-220			1.07-1.08 no temp		12/30/95	11/18/09	12/31/11

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781	Cresols	1319-77-3	108.14	ppm	4.42	C7H8O	L	11-35
782	Cresyl violet acetate	10510-54-0	321.3348	mg/m^3	13.13	C18.H15.N3.O3	S	140-143
783	Crimidine; (Castrix)	535-89-7	171.65	mg/m^3	7.02	C7.H10.Cl.N3	S	87
784	Cristobalite	14464-46-1	60.09	mg/m^3	2.46	O2Si	S	1722
785	Crocidolite	12001-28-4	765.98	mg/m^3	31.31	O.Na2.Fe2.O33. Fe.O8.Si.O.2(H2.O)	S fibre	
786	**Crotonaldehyde**	**4170-30-3**	70.09	ppm	2.86	C4H6O	L	-76
787	**Crotonaldehyde, trans-**	**123-73-9**	70.1	ppm	2.87	C4H6O	L	-69
788	Crotonic Acid	3724-65-0	86.1	mg/m^3	3.52	C4.H6.O2	S	72
789	Crystal violet; (Aniline violet)	548-62-9	408.03	mg/m^3	16.68	C25.H30.N3.Cl	S	215
790	Cs7SB; (1-(2,2,3,3-Tetrafluoropropoxy)-3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	338.341612	mg/m^3	13.83	C16.H22.F4.O3	L	
791	Cube Resin other than Rotenone	z-0122		mg/m^3			L	
792	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	152.21	ppm	6.22	C9H12O2	L	
793	**Cumene; (Isopropyl benzene)**	**98-82-8**	120.19	ppm	4.91	C9H12	L	-96.02
794	Cumenol methylcarbamate, m-; (3-(1-Methylethyl)phenol methylcarbamate)	64-00-6	193.27	mg/m^3	7.90	C11.H15.N.O2	S	72-74
795	Cupferron; (Ammonium-N-nitrosophenylhydroxylamine)	135-20-6	155.19	mg/m^3	6.34	C6H9N3O2	S	163-164
796	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	181.64	mg/m^3	7.42	C4H6CuO4	S	
797	Cupric nitrate hemipentahydrate	19004-19-4	241.6	mg/m^3	9.87	Cu.(N.O3)2.5/2(H2.O)	S	115
798	Cupric nitrite	14984-71-5	155.54	mg/m^3	6.36	CuN2O4	S	
799	Cupric oxide	1317-38-0	79.54	mg/m^3	3.25	CuO	S	1326
800	Cyanamide	420-04-2	42.04	mg/m^3	1.72	CH2N2	S	45.56
801	Cyanic acid; (Hydrogen cyanate)	420-05-3	43.025	ppm	1.76	CHNO	G/L unstabl	-86
802	Cyanide	57-12-5	26.02	mg/m^3	1.06	CN	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
781	Cresols	1319-77-3	191-203	0.11-0.299	25	1.030 to 1.038	10000	12/30/95	11/18/09	12/31/11
782	Cresyl violet acetate	10510-54-0						10/11/05	05/20/09	12/31/11
783	Crimidine; (Castrix)	535-89-7	140-147 @ 4mm					12/08/02	05/20/09	12/31/11
784	Cristobalite	14464-46-1	2950			2.334		09/30/97	12/12/11	12/12/11
785	Crocidolite	12001-28-4						01/04/99	02/17/12	01/19/12
786	**Crotonaldehyde**	**4170-30-3**	102.2	30	25	0.8516 @ 20ºC	21000	11/30/92	10/21/09	08/24/07
787	**Crotonaldehyde, trans-**	**123-73-9**	102.2			0.853	21000	03/01/00	01/05/10	08/24/07
788	Crotonic Acid	3724-65-0	185	0.19	20	1.018 @ 15C		06/13/02	04/02/08	12/31/11
789	Crystal violet; (Aniline violet)	548-62-9						07/11/07	04/02/08	12/31/11
790	Cs7SB; (1-(2,2,3,3-Tetrafluoropropoxy)-3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1						07/11/07	04/20/10	12/31/11
791	Cube Resin other than Rotenone	z-0122						02/19/08	01/15/09	12/31/11
792	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	153			1.05	9000	01/04/99	04/01/09	12/31/11
793	**Cumene; (Isopropyl benzene)**	**98-82-8**	152.41	7.5	33	0.864	8000	11/15/96	11/11/09	12/31/11
794	Cumenol methylcarbamate, m-; (3-(1-Methylethyl)phenol methylcarbamate)	64-00-6	143	0.4	25			12/08/02	04/13/09	12/31/11
795	Cupferron; (Ammonium-N-nitrosophenylhydroxylamine)	135-20-6						01/04/99	04/02/08	12/31/11
796	Cupric acetate, anhydrous; (Copper acetate)	142-71-2						06/13/02	04/20/10	12/31/11
797	Cupric nitrate hemipentahydrate	19004-19-4	170 dec					08/21/96	04/20/10	12/31/11
798	Cupric nitrite	14984-71-5						12/08/02	05/20/09	06/17/09
799	Cupric oxide	1317-38-0				6.4		08/07/98	04/20/10	12/31/11
800	Cyanamide	420-04-2	140 @ 19mmHg	3.75x10-3	20	1.282 @ 20ºC		09/30/97	11/18/09	12/31/11
801	Cyanic acid; (Hydrogen cyanate)	420-05-3	23			1.140 @ 20C		07/11/07	05/20/09	12/31/11
802	Cyanide	57-12-5						12/30/95	10/08/09	12/31/11

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803	Cyanoacetamide	107-91-5	84.08	mg/m^3	3.44	C3H4N2O	S	121.5
804	**Cyanogen**	**460-19-5**	52.03	ppm	2.13	C2N2	G	-27.83
805	Cyanogen bromide	506-68-3	105.93	mg/m^3	4.33	BrCN	S	52
806	**Cyanogen chloride**	**506-77-4**	61.47	ppm	2.51	CClN	G	-6.5
807	Cyanogen iodide	506-78-5	152.92	mg/m^3	6.25	CIN	S	146.5
808	Cyanoguanidene; (Guanidine, cyano-; Dicyandiamido)	461-58-5	84.08	mg/m^3	3.44	C2H4N4	S	209.5
809	Cyanophos	2636-26-2	243.23	mg/m^3	9.94	C9.H10.N.O3.P.S	L	14-15
810	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	129.09	mg/m^3	5.28	C3H3N3O3	S	360
811	Cyanuric chloride	108-77-0	184.41	mg/m^3	7.537091	C3Cl3N3	S	146ºC
812	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	135.06	mg/m^3	5.52	C3F3N3	L	-38
813	Cyclohexane	110-82-7	84.16	ppm	3.44	C6H12	L	6.59
814	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	346.3364	mg/m^3	14.16	C14.H22.N2.O8	S	213-216
815	Cyclohexanediamine, 1,2-	694-83-7	114.22	mg/m^3	4.67	C6.H14.N2	L	
816	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	144.24	mg/m^3	5.90	C8.H16.O2	S	41-61
817	Cyclohexanol	108-93-0	100.16	ppm	4.09	C6.H12.O	L	24
818	Cyclohexanone; (Ketohexamethylene)	108-94-1	98.14	ppm	4.01	C6H10O	L	-27.9
819	Cyclohexene	110-83-8	82.15	ppm	3.36	C6H10	L	-103.7
820	Cycloheximide	66-81-9	281.39	mg/m^3	11.50	C15.H23.N.O4	S	119-121
821	**Cyclohexyl isocyanate**	**3173-53-3**	125.19	ppm	5.12	C7.H11.N.O	S	168-170
822	Cyclohexyl methyl phosphonic acid	1932-60-1	178.17	mg/m^3	7.28	C7.H15.O3.P	S	41.2-43.8
823	**Cyclohexylamine**	**108-91-8**	99.17	ppm	4.05	C6H13N	L	-17.8
824	Cyclohexylamino)-1-propanesulfonic acid, 3-(; (CAPS)	1135-40-6	221.35	mg/m^3	9.05	C9.H19.N.O3.S	S	300

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
803	Cyanoacetamide	107-91-5	dec					09/30/97	11/18/09	12/31/11
804	**Cyanogen**	**460-19-5**	-21.1	750	-21.4	0.9537 @ 21ºC	66000	09/30/97	04/20/10	01/21/10
805	Cyanogen bromide	506-68-3	61.6	122	25	2.015 @ 20C		06/13/02	04/20/10	12/31/11
806	**Cyanogen chloride**	**506-77-4**	13.1	1010	20	1.218		08/07/98	05/20/09	12/31/11
807	Cyanogen iodide	506-78-5		1	25.2	1.84		01/04/99	04/20/10	12/31/11
808	Cyanoguanidene; (Guanidine, cyano-; Dicyandiamido)	461-58-5		3		1.4		04/14/04	01/16/12	01/17/12
809	Cyanophos	2636-26-2	119-120			1.255 @ 25C		12/08/02	05/20/09	12/31/11
810	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	380 subl			2.500 @ 20C		04/14/04	05/20/09	12/31/11
811	Cyanuric chloride	108-77-0	194 @ 764 mmHg	2	70	1.32 @ 20ºC		12/01/10	04/21/11	
812	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	72.4			1.60 @ 25C		12/08/02	01/24/12	12/31/11
813	Cyclohexane	110-82-7	80.73	75	19.3	0.7739	12000	12/30/95	10/12/09	12/31/11
814	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7						10/11/05	05/21/09	12/31/11
815	Cyclohexanediamine, 1,2-	694-83-7	92-93@ 18mmHg			0.952 @ 20C		09/05/08		12/31/11
816	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	274			1.0381		10/11/05		12/31/11
817	Cyclohexanol	108-93-0	161.5	1	21	0.9449 @ 25C	20000	06/13/02	11/12/09	12/31/11
818	Cyclohexanone; (Ketohexamethylene)	108-94-1	155.43	7.5	36	0.9478 @ 20ºC	11000	09/30/97	11/12/09	12/31/11
819	Cyclohexene	110-83-8	83	67	20	0.8102	12000	08/21/96	04/20/10	12/31/11
820	Cycloheximide	66-81-9		0.006	25			06/13/02	05/21/09	12/31/11
821	**Cyclohexyl isocyanate**	**3173-53-3**						09/05/08	05/21/09	12/31/11
822	Cyclohexyl methyl phosphonic acid	1932-60-1						10/11/05	05/21/09	12/31/11
823	**Cyclohexylamine**	**108-91-8**	134	7.5	22	0.8191 @ 20ºC	15000	07/09/97	11/12/09	
824	Cyclohexylamino)-1-propanesulfonic acid, 3-(; (CAPS)	1135-40-6						07/11/07		12/31/11

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825	Cyclohexylethanol, 2-	4442-79-9	128.24	mg/m^3	5.24	C8.H16.O	L	87
826	Cyclooctadiene, 1,5-	111-78-4	108.2	ppm	4.42	C8H12	L	-69
827	Cyclooctane	292-64-8	112.213	ppm	4.59	C8.H16	L	15
828	Cyclooctatetraene, 1,3,5,7-	629-20-9	104.1512	ppm	4.26	C8H8	??	-7
829	Cyclooctene, cis-	931-87-3	110.197	mg/m^3	4.50	C8.H14	L	-12
830	Cyclopentane	287-92-3	70.133	ppm	2.87	C5.H10	L	-93.7
831	Cyclopentanone	120-92-3	84.12	ppm	3.44	C3H8O	L	-51.3
832	Cyclopropane	75-19-4	42.09	ppm	1.72	C3.H6	G	-126.6
833	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	296.2	mg/m^3	12.11	C4.H8.N8.O8	S	279
834	Cyclotol; (RDX-TNT mixture)	8065-53-0	449.3	mg/m^3	18.36	C7.H5.N3.O6.C3.H6.N6.O6	S	
835	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	222.15	mg/m^3	9.08	C3H6N6O6	S	202
836	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	323.23	mg/m^3	13.21	C9H14N3O8P	S	233 dec
837	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	143.995187	mg/m^3	5.89	CH2AlNaO5	S	
838	DDD; (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	320.04	mg/m^3	13.08	C14H10Cl4	S	109.5
839	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	318.03	mg/m^3	13.00	C14H8Cl4	S	89
840	DDT; (Dichlorodiphenyltrichloroethane)	50-29-3	354.49	mg/m^3	14.49	C14H9Cl5	S	108.5
841	DEAE Sepharose CL-6B	62610-50-8		mg/m^3		[Unknown]	S	
842	Decaborane	17702-41-9	122.24	mg/m^3	5.00	B10.H14	S	99.6
843	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	252.07	ppm	10.30	C5.H2.F10	L	
844	Decahydronaphthalene	91-17-8	138.25	ppm	5.65	C10.H18	L	-43
845	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	138.24	ppm	5.65	C10H18	L	-43.3
846	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	138.28	ppm	5.65	C10H18	L	-30.7

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
825	Cyclohexylethanol, 2-	4442-79-9	208			0.9229 @ 20C		10/11/05		12/31/11
826	Cyclooctadiene, 1,5-	111-78-4	150.8			0.8818	10000	04/14/04		12/31/11
827	Cyclooctane	292-64-8	151			0.836		07/11/07		12/31/11
828	Cyclooctatetraene, 1,3,5,7-	629-20-9	142-143	7.9	25	0.925		06/13/02	05/21/09	
829	Cyclooctene, cis-	931-87-3	142			0.8472@ 20C		10/11/05	10/11/05	12/31/11
830	Cyclopentane	287-92-3	49.3	317.8	25	0.7457 @ 20C	11000	06/13/02	01/26/12	12/31/11
831	Cyclopentanone	120-92-3	130.6	11.4	25	0.94869 @ 20C		07/11/07	05/21/09	12/31/11
832	Cyclopropane	75-19-4	-33.5	5410	25	1.879 @ 0C	24000	12/08/02		12/31/11
833	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	expl @ 279					12/08/02	12/12/11	12/12/11
834	Cyclotol; (RDX-TNT mixture)	8065-53-0						12/08/02	05/21/09	05/21/09
835	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	expl	0.0004	110	1.82		03/01/00	05/21/09	12/31/11
836	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6						04/14/04		12/31/11
837	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6						12/08/02		12/31/11
838	DDD; (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	193 @ 1mmHg	1.35x10-6	25	1.476 @ 20ºC		08/21/96	11/20/09	12/31/11
839	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9		6.0x10-6	25			08/21/96	10/12/09	12/31/11
840	DDT; (Dichlorodiphenyltrichloroethane)	50-29-3	260	1.6x10-7	20	0.98-0.99 No temp		08/21/96	05/21/09	12/31/11
841	DEAE Sepharose CL-6B	62610-50-8				0.994		04/14/04	05/21/09	12/31/11
842	Decaborane	17702-41-9	213	0.05	25	0.94		06/13/02	05/21/09	12/31/11
843	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	55	226	25	1.58		07/11/07	04/20/10	12/31/11
844	Decahydronaphthalene	91-17-8	155.5	2.3	25	0.8965 @ 22C	7000	06/13/02	05/21/09	12/31/11
845	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	195.6	2.3	25	0.8963 @ 20C		04/14/04		12/31/11
846	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	187.3	10	47.2	0.8963 @ 20C	7000	06/13/02		12/31/11

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847	Decamethylcyclopentasiloxane	541-02-6	370.77	ppm	15.15	C10H30O5Si5	L	-38
848	Decanal	112-31-2	156.3	ppm	6.39	C10.H20.O	L	-5
849	Decane	124-18-5	142.282	ppm	5.82	C10H22	L	-29.6
850	Decene, 1-, homopolymer, hydrogenated	68037-01-4		mg/m^3		[Unknown]	L	-65
851	Decyl alcohol; (1-Decanol)	112-30-1	158.32	mg/m^3	6.47	C10.H22.O	L	7
852	Demeton	8065-48-3	516.72	mg/m^3	21.12	(C8.H19.O3.P.S2)2	L	
853	Demeton-S-methyl	919-86-8	230.3	mg/m^3	9.41	C6.H15.O3.P.S2	L	
854	Deoxyribonucleic acid; (DNA)	9007-49-2	523.3692	mg/m^3	21.39	C15.H31.N3.O13.P2	S	
855	Deuterium	7782-39-0	4.03	ppm	0.16	D2	G	-254.43
856	Deuterium oxide; (Heavy water)	7789-20-0	20.03	ppm	0.82	D2O	L	3.82
857	Deuterochloric acid; (Deuterium chloride)	7698-05-7	37.47	ppm	1.53	D.Cl	G	-114
858	Dextran	9004-54-0	200000	mg/m^3	8174.28	[Unknown]	S	
859	Dextran sulfate sodium	9011-18-1		mg/m^3		H2.O4.S.x Na	S	
860	Di(ethylene glycol) diacrylate	4074-88-8	214.24	mg/m^3	8.76	C10.H14.O5	L	
861	Di-2-ethylhexyl adipate	103-23-1	370.57	mg/m^3	15.15	C22H42O4	L	-67.8
862	Diacetoxydibutyl stannane	1067-33-0	351.05	mg/m^3	14.35	C12.H24.O4.Sn	L	10
863	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	118.04	mg/m^3	4.82	C.H3.C.O.O.O.C.O.C.H3	S	30
864	Dialifor	10311-84-9	393.846	mg/m^3	16.10	C14H17NO4PS2	S crystals	68
865	Diallyl phthalate	131-17-9	246.28	mg/m^3	10.07	C14.H14.O	L	-70
866	Diallyldimethylammonium chloride	7398-69-8	161.7	mg/m^3	6.61	C8.H16.N.Cl	S crystals	
867	Diallyldimethylammonium chloride polymer	26062-79-3		mg/m^3		(C8.H16.N.Cl)x	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
847	Decamethylcyclopentasiloxane	541-02-6	210	7.5x10-2	19	0.9593 @ 20ºC		07/09/97	10/12/09	12/31/11
848	Decanal	112-31-2	208.5	0.103	25	0.830 @ 15C	8000	12/08/02	04/03/08	12/31/11
849	Decane	124-18-5	174.15	1.43	25	0.7266	7000	01/04/99	12/08/11	12/08/11
850	Decene, 1-, homopolymer, hydrogenated	68037-01-4	375-->	<1	20	0.82		01/10/01	05/21/09	12/31/11
851	Decyl alcohol; (1-Decanol)	112-30-1	232.9	1	69.5	0.8297 @ 20C	9000	04/14/04		12/31/11
852	Demeton	8065-48-3	134 @ 2 mm			1.1183 @ 20C	10000	12/08/02	05/21/09	12/31/11
853	Demeton-S-methyl	919-86-8	89 @ 0.15mm	0.0003	20	1.21 @ 20ºC		12/08/02	05/21/09	12/31/11
854	Deoxyribonucleic acid; (DNA)	9007-49-2						07/11/07	02/27/08	12/31/11
855	Deuterium	7782-39-0	-249.49			0.169 @ -253ºC	40000	04/14/04	05/21/09	12/06/07
856	Deuterium oxide; (Heavy water)	7789-20-0	101.42			1.1044	50000	11/15/96	10/12/09	12/31/11
857	Deuterochloric acid; (Deuterium chloride)	7698-05-7	-85					07/11/07	06/12/09	06/12/09
858	Dextran	9004-54-0						12/08/02		12/31/11
859	Dextran sulfate sodium	9011-18-1						04/14/04	02/27/08	12/31/11
860	Di(ethylene glycol) diacrylate	4074-88-8	200			1.118		07/11/07	05/19/08	12/31/11
861	Di-2-ethylhexyl adipate	103-23-1	214 @ 5 mmHg	8.5x10-7	20	0.922	1000	09/30/97	04/20/10	12/31/11
862	Diacetoxydibutyl stannane	1067-33-0	130	1.3	20	1.31		10/11/05	05/21/09	12/31/11
863	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	63ºC @ 21 mmHg			1.18		12/08/02	02/04/08	12/31/11
864	Dialifor	10311-84-9		6.2E-08	25			12/08/02	05/21/09	12/31/11
865	Diallyl phthalate	131-17-9	157	2.4	150	1.120 @ 20C		04/14/04	04/20/10	12/31/11
866	Diallyldimethylammonium chloride	7398-69-8						07/11/07		12/31/11
867	Diallyldimethylammonium chloride polymer	26062-79-3						04/14/04		12/31/11

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868	Diamino-6-(2'-methylimidazol-1-yl)ethyl-s-triazine, 2,4-; (1,3,5-Triazine-2,4-diamine, 6-(2-(2-methyl-1H-imidazol-1-yl)ethyl)-; Curezol 2MEA-PW)	38668-46-1	219.2486	mg/m^3	8.96	C9.H13.N7	S	
869	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	200.26	mg/m^3	8.18	C12.H12.N2.O	S	187
870	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	248.32	mg/m^3	10.15	C12.H12.N2.O2.S	L	176
871	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	131.26	ppm	5.36	C6.H17.N3	L	-14.5
872	Diaminopyridine, 2,6-	141-86-6	109.15	mg/m^3	4.46	C5.H7.N3	S	121.5
873	Diammonium dimolybdate; (Ammonium molybdenum oxide)	27546-07-2	337.9135	mg/m^3	13.81	H4.Mo2.N.O8	S	
874	Diamond	7782-40-3	12.01	mg/m^3	0.49	C	S	4440 @ 12.4 Gpa
875	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	317.24	mg/m^3	12.97	C14.H16.N2.O2.2Cl.H	S	137
876	Diatomaceous earth (flux calcinated; Filter agent, celite; Amorphous silica)	68855-54-9	60.1	mg/m^3	2.46	Si.O2	S	1083
877	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-2		mg/m^3			S	1700
878	Diatomaceous silica, calcined	91053-39-3		mg/m^3			S	
879	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	112.2	mg/m^3	4.59	C6.H12.N2	S hygr.	158
880	Diazabicyclo(5.4.0)undec-7-ene, 1,8-	6674-22-2	152.24	mg/m^3	6.22	C9.H16.N2	L	-70
881	Diazoacetic acid, ethyl ester; (Ethyl diazoacetate)	623-73-4	114.12	mg/m^3	4.66	C4.H6.N2.O2	L	-22
882	Diazomethane	334-88-3	42.04	ppm	1.72	CH2N2	G	-145
883	Dibenza(a,h)anthracene	53-70-3	278.35	mg/m^3	11.38	C22H14	S	266.8
884	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	302.38	mg/m^3	12.36	C24.H14	S	225
885	Dibenzofuran	132-64-9	168.2	mg/m^3	6.87	C12.H8.O	S	86.5
886	Dibenzo-p-dioxin	262-12-4	184.2	mg/m^3	7.53	C12.H8.O2	S	119
887	**Diborane**	**19287-45-7**	27.67	ppm	1.13	B2H6	G	-164.85
888	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	236.33	ppm	9.66	C3H5Br2Cl	L	5

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
868	Diamino-6-(2'-methylimidazol-1-yl)ethyl-s-triazine, 2,4-; (1,3,5-Triazine-2,4-diamine, 6-(2-(2-methyl-1H-imidazol-1-yl)ethyl)-; Curezol 2MEA-PW)	38668-46-1						09/05/08	06/02/09	12/31/11
869	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	>300	0.0000003	25			06/13/02		12/31/11
870	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0						04/14/04		12/31/11
871	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	235			0.938		10/11/05	10/11/05	12/31/11
872	Diaminopyridine, 2,6-	141-86-6	285					07/11/07		12/31/11
873	Diammonium dimolybdate; (Ammonium molybdenum oxide)	27546-07-2						07/11/07	04/20/10	12/31/11
874	Diamond	7782-40-3				3.513		10/11/05	10/11/05	12/31/11
875	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0		8.8E-09	25			06/13/02	10/12/09	12/31/11
876	Diatomaceous earth (flux calcinated; Filter agent, celite; Amorphous silica)	68855-54-9	2595			2.2		04/14/04	05/21/09	12/31/11
877	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-2	2230			1.9 - 2.35		04/14/04	05/21/09	12/31/11
878	Diatomaceous silica, calcined	91053-39-3						10/11/05	05/21/09	12/31/11
879	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	174					10/11/05	10/11/05	12/31/11
880	Diazabicyclo(5.4.0)undec-7-ene, 1,8-	6674-22-2	80-83 @ 0.6 mm	5.3	37.7	1.018	11000	07/11/07		12/31/11
881	Diazoacetic acid, ethyl ester; (Ethyl diazoacetate)	623-73-4	141 @ 720 mm			1.085		07/11/07		12/31/11
882	Diazomethane	334-88-3	-23			1.45		09/30/97	10/12/09	12/31/11
883	Dibenza(a,h)anthracene	53-70-3	524			1.282 No temp		12/30/95	11/20/09	12/31/11
884	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4						06/13/02	12/13/11	12/13/11
885	Dibenzofuran	132-64-9	287	0.0044	25	1.0866 @ 99C		06/13/02	05/21/09	12/31/11
886	Dibenzo-p-dioxin	262-12-4		4.1E-4	25			06/13/02	10/11/05	12/31/11
887	**Diborane**	**19287-45-7**	-92.49	750	-92.6	1.131	8000	12/30/95	05/21/09	12/31/11
888	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	196	0.58	20	1.093 @ 14ºC		09/30/97	10/12/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
889	Dibromo-4-nitrophenol, 2,6-	99-28-5	296.9	ppm	12.13	C6H3Br2NO3	S	145 dec
890	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	208.28	mg/m^3	8.51	CHBr2Cl	L	-20
891	Dibromohexane, 1,6-	629-03-8	244	mg/m^3	9.97	C6.H12.Br	L	-1.2
892	Dibromomethane; (Methylene dibromide)	74-95-3	173.85	ppm	7.11	CH2Br2	L	-52.7
893	Dibromophenol, 2,6-	608-33-3	251.905	mg/m^3	10.30	C6-H4-Br2-O		
894	Dibromopropane, 1,3-	109-64-8	201.91	mg/m^3	8.25	C3H6Br2	L	-36
895	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	259.84	ppm	10.62	C2.Br2.F4	L	-112
896	Dibutyl (2-ethylhexyl)phosphate	z-0011	322.42512	ppm	13.18	[Unknown]		
897	Dibutyl butylphosphonate	78-46-6	250.36	ppm	10.23	C12.H27.O3.P	L	
898	Dibutyl peroxide, tert-	110-05-4	146.26	ppm	5.98	C8.H18.O2	L	-40
899	Dibutyl phosphate	107-66-4	210.2	ppm	8.59	C8H19O4P	L	
900	Dibutyl phosphite	1809-19-4	194.24	mg/m^3	7.94	C8.H19.O3.P	L	
901	Dibutyl phthalate	84-74-2	278.34	mg/m^3	11.38	C16H22O4	L	-35
902	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	274.11	mg/m^3	11.20	C.F3.S.O3.B.[(C.H3)C.H3]2	S	4.44
903	Dibutylhexamethylenediamine, N,N'-	4835-11-4	228.48	mg/m^3	9.34	C14.H32.N2	L	
904	Dibutyltin dilaurate; (Dibutylbis(lauroyloxy)stannane)	77-58-7	631.65	mg/m3	25.82	C32.H64.O4.Sn	L	23
905	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	207.02	mg/m^3	8.46	C6.H4.Cl2.N2.O2	S needles	191
906	Dichloro(4,4-dimethylzinc - 5((((methylamino)carbonyl)oxy)imino)pentanenitrile), (trans-4)- ; (Ethienocarb)	58270-08-9	333.54	mg/m^3	13.63	C9.H15.Cl2.N3.O2.Zn	S	120-125
907	**Dichloro-1,1,1-trifluoroethane, 2,2-; (HCFC-123)**	**306-83-2**	152.93	ppm	6.25	C2.H.Cl2.F3	L	-107
908	**Dichloro-1-fluoroethane, 1,1-; (HCFC-141b; Freon 141)**	**1717-00-6**	116.95	ppm	4.78	C2.H3.Cl2.F	G/L	-103.5
909	Dichloro-2-butene, 1,4-	764-41-0	125	ppm	5.11	C4H6Cl2	L	3.5

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
889	Dibromo-4-nitrophenol, 2,6-	99-28-5						12/08/02	03/07/08	12/31/11
890	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	120	5.54	25	2.451 @ 20ºC		09/30/97	10/12/09	12/31/11
891	Dibromohexane, 1,6-	629-03-8	245.5			1.6025		07/11/07		12/31/11
892	Dibromomethane; (Methylene dibromide)	74-95-3	95.6 - 96.4	44.4	25	2.485		01/04/99	03/24/08	12/31/11
893	Dibromophenol, 2,6-	608-33-3						12/08/02	05/21/09	
894	Dibromopropane, 1,3-	109-64-8	166.5			1.977		01/04/99	10/11/05	12/31/11
895	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	47.3			2.18 @ 21.1C		06/13/02		12/31/11
896	Dibutyl (2-ethylhexyl)phosphate	z-0011						12/08/02	07/19/08	08/15/07
897	Dibutyl butylphosphonate	78-46-6	160-162			0.948 @ 20C		12/08/02		12/31/11
898	Dibutyl peroxide, tert-	110-05-4	111	25.1	25	0.791 @ 25C	450000	12/08/02		12/31/11
899	Dibutyl phosphate	107-66-4	135-8 @ 0.05mm				5000	08/07/98	05/21/09	12/31/11
900	Dibutyl phosphite	1809-19-4	95 @1 mm	1	95	0.986		06/13/02	05/21/09	12/31/11
901	Dibutyl phthalate	84-74-2	340	7.5x10-2	104	1.0465 @ 20ºC	5000	12/30/95	11/20/09	12/31/11
902	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4				0.815		07/11/07	05/21/09	12/31/11
903	Dibutylhexamethylenediamine, N,N'-	4835-11-4	205	0.0004	25			12/08/02	05/21/09	12/31/11
904	Dibutyltin dilaurate; (Dibutylbis(lauroyloxy)stannane)	77-58-7	205 @ 10 mmHg			1.06 @ 20		03/22/10	03/30/10	12/31/11
905	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9		0.16mPa	20			06/13/02	12/08/11	12/08/11
906	Dichloro(4,4-dimethylzinc - 5((((methylamino)carbonyl)oxy)imino)pentanenitrile), (trans-4)- ; (Ethienocarb)	58270-08-9		0.00001	25			12/08/02	05/21/09	12/31/11
907	**Dichloro-1,1,1-trifluoroethane, 2,2-; (HCFC-123)**	**306-83-2**	27.82	718	25	1.4638		07/11/07	05/21/09	12/31/11
908	**Dichloro-1-fluoroethane, 1,1-; (HCFC-141b; Freon 141)**	**1717-00-6**	32	412	25		76000	06/13/02	05/21/09	10/11/05
909	Dichloro-2-butene, 1,4-	764-41-0	158	3	25	1.185 No temp	15000	12/30/95	11/20/09	12/31/11

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910	Dichloro-2-propanol, 1,3-	96-23-1	128.99	ppm	5.27	C3.H6.Cl2.O	L	-4
911	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	255.03	mg/m^3	10.42	C8.H3.Cl2.F3.N2	S	212-214
912	Dichloroacetic acid	79-43-6	128.95	ppm	5.27	C2.Cl2.H2.O2	L	10
913	**Dichloroacetyl chloride**	**79-36-7**	147.38	ppm	6.02	C2.H.Cl3.O	L	
914	Dichloroacetylene	7572-29-4	94.92	ppm	3.88	C2.Cl2	L	-65
915	Dichloroamine; (Chlorimide)	3400-09-7	85.92	ppm	3.51	Cl2.H.N	L	
916	Dichlorobenzene, m-	541-73-1	147	ppm	6.01	C6H4Cl2	L	-24.8
917	Dichlorobenzene, o-	95-50-1	147	ppm	6.01	C6H4Cl2	L	-17
918	Dichlorobenzene, p-	106-46-7	147	ppm	6.01	C6H4Cl2	S	53.09
919	Dichlorobenzidene, 3,3'-	91-94-1	253.13	ppm	10.35	C12H10Cl2N2	S	132.5
920	Dichlorocyclohexane, 1,1-	2108-92-1	153.05	ppm	6.26	C6.H10.Cl2		
921	Dichlorocyclohexane, trans-1,2-	822-86-6	153.05	ppm	6.26	C6H10Cl2	L	
922	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	120.91	ppm	4.94	CCl2F2	G	-157.1
923	Dichloroethanol acetate, 1,2-	10140-87-1	157	ppm	6.42	C4.H6.Cl2.O2	L	<-32
924	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane; Bis(2-chloroethyl)ether)	111-44-4	143.01	ppm	5.85	C4H8Cl2O	L	-51.9
925	Dichloroethylaluminum	563-43-9	126.95	mg/m^3	5.19	C2.H5.Al.Cl2	S fuming	32
926	Dichloroethylbenzene; (Ethyldichlorobenzene)	1331-29-9	175.06	mg/m^3	7.15	C8H8Cl2	L	<70
927	Dichloroethylene, 1,2-	540-59-0	96.95	ppm	3.96	C2H2Cl2	L	-50
928	**Dichloroethylene, cis-1,2-**	**156-59-2**	96.94	ppm	3.96	C2H2Cl2	L	-80
929	**Dichloroethylene, trans-1,2-**	**156-60-5**	96.94	ppm	3.96	C2H2Cl2	L	-49.8
930	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	102.92	ppm	4.21	CHCl2F	G	-130.4
931	Dichlorohexane, 1,2-	2162-92-7	155.0668	ppm	6.34	C6.H12.Cl2		

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
910	Dichloro-2-propanol, 1,3-	96-23-1	174	1	28	1.367 @ 20C		10/11/05	02/04/08	12/31/11
911	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2		0.00004	22.5	3.49		12/08/02	05/21/09	12/31/11
912	Dichloroacetic acid	79-43-6	194	1	44	1.5634 @ 20C	119000	10/11/05	05/21/09	12/31/11
913	**Dichloroacetyl chloride**	**79-36-7**	108			15315@ 16C		10/11/05	05/21/09	08/17/07
914	Dichloroacetylene	7572-29-4	33			1.26		12/08/02	05/21/09	12/31/11
915	Dichloroamine; (Chlorimide)	3400-09-7				1.2		06/13/02		12/31/11
916	Dichlorobenzene, m-	541-73-1	173	0.75	8	1.2884 @ 20ºC	20200	12/30/95	10/09/09	12/31/11
917	Dichlorobenzene, o-	95-50-1	180	0.75	16.3	1.3059 @ 20ºC	20000	12/30/95	10/09/09	12/31/11
918	Dichlorobenzene, p-	106-46-7	174	0.75	8	1.2475 @ 55ºC	25000	12/30/95	04/20/10	12/31/11
919	Dichlorobenzidene, 3,3'-	91-94-1	402					10/31/92	11/20/09	12/31/11
920	Dichlorocyclohexane, 1,1-	2108-92-1						12/08/02	05/21/09	
921	Dichlorocyclohexane, trans-1,2-	822-86-6						03/01/00	02/17/12	02/17/12
922	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	-29.8	750	-30	1.486 @-29.8		11/30/92	10/09/09	12/31/11
923	Dichloroethanol acetate, 1,2-	10140-87-1	79-79.5 @ 33 mm			1.296 @ 20C		12/08/02	05/21/09	12/31/11
924	Dichloroethyl ether; (1,1'-Oxybis(2-chloro)ethane; Bis(2-chloroethyl)ether)	111-44-4	178.5	0.75	19.8	1.22 @ 20ºC	27000	12/30/95	10/09/09	12/31/11
925	Dichloroethylaluminum	563-43-9	194			1.222		12/08/02	07/06/10	07/06/10
926	Dichloroethylbenzene; (Ethyldichlorobenzene)	1331-29-9	220-224			1.208		09/30/97	10/13/09	12/31/11
927	Dichloroethylene, 1,2-	540-59-0	55	2.01x10+2	25	~1.28 No temp	56000	12/30/95	10/13/09	12/31/11
928	**Dichloroethylene, cis-1,2-**	**156-59-2**	60.1	75	3.8	1.2837 @ 20ºC	56000	09/30/97	10/13/09	10/11/05
929	**Dichloroethylene, trans-1,2-**	**156-60-5**	48.7	750	47.3	1.2565 @ 20ºC	56000	09/30/97	10/13/09	08/17/07
930	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	8.9	750	8.6	1.405 @ 9ºC		11/30/92	12/02/09	12/31/11
931	Dichlorohexane, 1,2-	2162-92-7						12/08/02	05/21/09	

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932	Dichlorohexane, 1,6-	2163-00-0	155.07	mg/m^3	6.337925	Cl.(C.H2)8.Cl	L	
933	Dichloroisopropyl ether	108-60-1	171.06	ppm	6.99	C6H12Cl2O	L	-96.8 to -101.8
934	Dichloromethane-d2	1665-00-5	86.94	ppm	3.55	C.D2.Cl2	L	-97
935	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	173.05	ppm	7.07	C5.H10.Cl2.O2	L	-32.8
936	**Dichloromethyl ether; (bis(Chloromethyl)ether)**	**542-88-1**	114.96	ppm	4.70	C2H4Cl2O	L	-41.5
937	Dichloromethylphenylsilane	149-74-6	191.14	mg/m^3	7.81	C7.H8.Cl2.Si	L	
938	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	116.9145	ppm	4.78	C.H3.Cl2.P	L	
939	Dichlorooctane, 1,8-	2162-99-4	183.12	mg/m^3	7.484367	C8.H16.Cl2	L	
940	Dichlorophene	97-23-4	269.13	mg/m^3	11.00	C13H10Cl2O2	S	178
941	**Dichlorophenol, 2,4-**	**120-83-2**	163	ppm	6.66	C6H4Cl2O	S	45
942	Dichlorophenol, 2,6-	87-65-0	163	mg/m^3	6.66	C6H4Cl2O	S	68.5
943	Dichlorophenoxyacetic acid, 2,4-; (2,4-D)	94-75-7	221.04	mg/m^3	9.03	C8H6Cl2O3	S	140.5
944	Dichloropropane	26638-19-7	112.99	ppm	4.62	C3H6Cl2	L	
945	Dichloropropane, 1,1-	78-99-9	112.99	ppm	4.62	C3H6Cl2	L	
946	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	112.99	ppm	4.62	C3H6Cl2	L	-100.4
947	Dichloropropane, 1,3-	142-28-9	112.99	ppm	4.62	C3H6Cl2	L	-99.5
948	Dichloropropane, 2,2-	594-20-7	112.99	ppm	4.62	C3H6Cl2	L	-33.9
949	Dichloropropene, 1,1-	563-58-6	110.97	ppm	4.54	C3H4Cl2		
950	Dichloropropene, 1,2-	563-54-2	110.97	ppm	4.54	C3H4Cl2	L	
951	Dichloropropene, 1,3-; (including cis- and trans- isomers)	542-75-6	110.97	ppm	4.54	C3H4Cl2	L	<-50
952	Dichloropropene, 2,3-	78-88-6	110.97	ppm	4.54	C3.H4.Cl2	L	10

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
932	Dichlorohexane, 1,6-	2163-00-0	87-90 @ 15 mm			1.068	53000	07/22/08	05/21/09	12/31/11
933	Dichloroisopropyl ether	108-60-1	187	0.75	27.3	1.103 @ 20ºC	14190	12/30/95	11/23/09	12/31/11
934	Dichloromethane-d2	1665-00-5	40			1.325	155000	07/11/07	04/20/10	06/11/09
935	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	217.5	0.1	20	1.2339 @ 20C		06/13/02		12/31/11
936	**Dichloromethyl ether; (bis(Chloromethyl)ether)**	**542-88-1**	106	29.4	25	1.323 @ 15ºC		08/21/96	10/13/09	12/31/11
937	Dichloromethylphenylsilane	149-74-6	205			1.18 @ 20C		06/13/02	05/21/09	12/31/11
938	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	80-81 @ 729 mm			1.3		04/14/04		12/31/11
939	Dichlorooctane, 1,8-	2162-99-4	115-116 @ 11 mm			1.025		07/22/08		12/31/11
940	Dichlorophene	97-23-4						01/04/99		12/31/11
941	**Dichlorophenol, 2,4-**	**120-83-2**	210	0.09	25			12/30/95	10/13/09	
942	Dichlorophenol, 2,6-	87-65-0	220	0.033	25	1.653 @ 20ºC		12/30/95	10/13/09	12/31/11
943	Dichlorophenoxyacetic acid, 2,4-; (2,4-D)	94-75-7	160 @ 0.4mmHg	8.25x10-8	20	1.42		12/30/95	10/13/09	12/31/11
944	Dichloropropane	26638-19-7		18.2	25		34000	06/13/02	04/28/10	02/07/12
945	Dichloropropane, 1,1-	78-99-9	88.1	65.9	25	1.1321 @ 20C	31000	06/13/02	01/27/12	12/31/11
946	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	96.4	53.3	25	1.159	34000	12/30/95	10/13/09	12/31/11
947	Dichloropropane, 1,3-	142-28-9	120.9	18.2	25	1.1876	34000	09/30/97	10/14/09	12/31/11
948	Dichloropropane, 2,2-	594-20-7	69.3			1.1136 @ 20ºC	29330	09/30/97	10/14/09	12/31/11
949	Dichloropropene, 1,1-	563-58-6	76.5			1.1864		09/30/97	04/20/10	12/31/11
950	Dichloropropene, 1,2-	563-54-2	75	90.8	20	1.1818 @ 20ºC	33850	09/30/97	10/14/09	12/31/11
951	Dichloropropene, 1,3-; (including cis- and trans- isomers)	542-75-6	108	34	25	1.22	50000	12/30/95	12/09/11	12/09/11
952	Dichloropropene, 2,3-	78-88-6	94	61.2	25	1.211 @ 20C	26000	06/13/02	12/09/11	12/09/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
953	Dichloropropene, cis-1,2-; (1,2-Dichloro-1-propene, (Z)-)	6923-20-2	110.97	ppm	4.54	C3H4Cl2		
954	**Dichlorosilane**	**4109-96-0**	101.01	ppm	4.13	Cl.H2.Si	G	-122
955	Dichlorotetrafluoroethane	1320-37-2	170.92	ppm	6.99	C2.Cl2.F4	G	-94
956	Dichlorotetrafluoroethane, 1,2-; (Freon 114, CFC 114)	76-14-2	170.92	ppm	6.99	C2Cl2F4	G	-93.9
957	Dichlorovos; (Dichlorvos)	62-73-7	220.98	mg/m^3	9.03	C4H7Cl2O4P	L	
958	Dicrotophos	141-66-2	237.22	mg/m^3	9.70	C8.H16.N.O5.P	L	
959	Dicyclohexano-18-crown-6	16069-36-6	372.56	mg/m^3	15.23	C20H36O6	S wax	38-54
960	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	166.3	mg/m^3	6.80	C6.H11.C6.H11	L	3.4
961	Dicyclohexylcarbodiimide	538-75-0	206.37	mg/m^3	8.43	C13.H22.N2	S	34.5
962	**Dicyclopentadiene**	**77-73-6**	132.22	ppm	5.40	C10.H12	L	32.9
963	Didecyldimethylammonium chloride	7173-51-5	362.16	mg/m^3	14.80	C22.H48.N.Cl		
964	Dieldrin	60-57-1	380.91	mg/m^3	15.57	C12H8Cl6O	S	175.5
965	Diesel fuel marine; (Diesel fuel No. 4)	z-0012		mg/m^3		[Unspecified]	L	
966	Diesel fuel marine; (Fuel oil No.2)	68476-30-2		mg/m^3		[Unspecified]	L	
967	Diesel fuels	68334-30-5		mg/m^3		[Unspecified]	L	
968	Diethanolamine	111-42-2	105.14	mg/m^3	4.30	C4H11NO2	S or L	28
969	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (Dowex 50-X8 resin)	69011-20-7		mg/m^3		(C28H30)x	S	
970	Diethoxydimethylsilane	78-62-6	148.31	ppm	6.06	C6H16O2Si	L	
971	Diethyl (methylthiomethyl) phosphonate	28460-01-7	198.22	ppm	8.10	C6.H15.O3.P.S	L	
972	**Diethyl benzene isomers; (Dowtherm J)**	**25340-17-4**	134.24	ppm	5.49	C10.H14	L	< -31
973	Diethyl carbonate	105-58-8	118.15	ppm	4.83	C5.H10.O3	L	-43
974	Diethyl chlorophosphate	814-49-3	172.56	mg/m^3	7.05	C4.H10.Cl.O3.P	L/S	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
953	Dichloropropene, cis-1,2-; (1,2-Dichloro-1-propene, (Z)-)	6923-20-2	93				33850	09/30/97	10/14/09	12/31/11
954	**Dichlorosilane**	**4109-96-0**	8.3				41000	12/08/02	05/24/09	04/20/07
955	Dichlorotetrafluoroethane	1320-37-2	4.1			1.5312		10/11/05	01/05/10	12/31/11
956	Dichlorotetrafluoroethane, 1,2-; (Freon 114, CFC 114)	76-14-2	3.8	2014	25	1.455		09/30/97	11/20/09	12/31/11
957	Dichlorovos; (Dichlorvos)	62-73-7	120 @ 14 mm					09/30/97	04/21/10	12/31/11
958	Dicrotophos	141-66-2	400	0.000086	20	1.216 @ 15C		12/08/02	05/25/09	12/31/11
959	Dicyclohexano-18-crown-6	16069-36-6	344					08/07/98	12/07/11	12/07/11
960	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	227			0.864		07/11/07		12/31/11
961	Dicyclohexylcarbodiimide	538-75-0						10/11/05	12/12/11	12/12/11
962	**Dicyclopentadiene**	**77-73-6**	166.6	10	47.6	0.976 @ 35C	8000	06/13/02	05/25/09	02/27/08
963	Didecyldimethylammonium chloride	7173-51-5						09/05/08		12/31/11
964	Dieldrin	60-57-1		5.89x10-6	25	1.75		12/30/95	04/21/10	12/31/11
965	Diesel fuel marine; (Diesel fuel No. 4)	z-0012						09/30/97	05/25/09	12/31/11
966	Diesel fuel marine; (Fuel oil No.2)	68476-30-2				0.8654 @ 15ºC		09/30/97	05/25/09	12/31/11
967	Diesel fuels	68334-30-5						09/30/97	05/25/09	12/31/11
968	Diethanolamine	111-42-2	268.8	7.5x10-3	53	1.0966 @ 20ºC	16000	09/30/97	10/14/09	12/31/11
969	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (Dowex 50-X8 resin)	69011-20-7						08/07/98	12/07/11	12/07/11
970	Diethoxydimethylsilane	78-62-6	114	10	13.3	0.86	12220	03/01/00	05/25/09	12/31/11
971	Diethyl (methylthiomethyl) phosphonate	28460-01-7						04/14/04		12/31/11
972	**Diethyl benzene isomers; (Dowtherm J)**	**25340-17-4**	183.8	1.05	25	0.868	7000	10/11/05	05/25/09	12/31/11
973	Diethyl carbonate	105-58-8	126	10.8	25	0.9752 @ 20C	14000	07/11/07		12/31/11
974	Diethyl chlorophosphate	814-49-3	88-90 @ 15 mm			1.21 @ 20C		06/13/02	05/25/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
975	Diethyl ethylphosphonate	78-38-6	166.16	mg/m^3	6.79	C6H15O3P	L	
976	Diethyl malonate; (Ethyl malonate)	105-53-3	160.19	ppm	6.55	C7.H12.O4	L	-49.8
977	Diethyl mercury	627-44-1	258.71	mg/m^3	10.57	C4H10Hg		
978	Diethyl methylphosphonate; (DEMP)	683-08-9	152.15	mg/m^3	6.22	C5H13O3P		
979	Diethyl oxalate	95-92-1	146.16	mg/m^3	5.97	C6.H10.O4	L	-40.6
980	Diethyl phosphite	762-04-9	138.12	mg/m^3	5.65	C4.H11.O4.P	L	
981	Diethyl phthalate; (Ethyl phthalate)	84-66-2	222.24	mg/m^3	9.08	C12H14O4	L	-40.5
982	Diethyl pyrocarbonate	1609-47-8	162.16	mg/m^3	6.63	C6.H10.O5	L	
983	Diethyl sulfate	64-67-5	154.19	ppm	6.30	C4H10O4S	L	-24
984	Diethyl tartrate	87-91-2	206.19	mg/m^3	8.43	C8.H14.O6	L	18.7
985	Diethyl telluride	627-54-3	185.72	mg/m^3	7.59	C4.H10.Te	S	137.5
986	Diethyl trichloromethylphosphonate	866-23-9	255.47	mg/m^3	10.44141	C5.H10.Cl3.O3.P	L	
987	Diethylamine	109-89-7	73.16	ppm	2.99	C4H11N	L	-38.9
988	Diethylaminoacetone	1620-14-0	129	ppm	5.27	[Unknown]		
989	Diethylaminopropylamine	104-78-9	130.27	mg/m^3	5.32	C7.H18.N2	L	
990	Diethylaniline, N,N-	91-66-7	149.23	mg/m^3	6.10	C10H15N	L	-38.8
991	Diethylbenzene, m-	141-93-5	134.24	mg/m^3	5.49	C10H14	S	
992	Diethylbenzene, o-	135-01-3	134.24	mg/m^3	5.49	C10H14	L	<-20
993	**Diethyldichlorosilane**	**1719-53-5**	157.13	ppm	6.42	C4.H10.Cl2.Si	L	-98.5
994	Diethylene glycol	111-46-6	106.14	ppm	4.34	C4H10O3	L	-6.5
995	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	220.36	mg/m^3	9.01	C10.H24.N2.O3	L	
996	Diethylene glycol diacetate; (2,2'-Oxybisethanol diacetate)	628-68-2	190.22	mg/m^3	7.77	C8H14O5	S	18

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
975	Diethyl ethylphosphonate	78-38-6	198			1.0259		01/04/99		12/31/11
976	Diethyl malonate; (Ethyl malonate)	105-53-3	198.9	1	40	1.055 @ 20C	13000	04/14/04		12/31/11
977	Diethyl mercury	627-44-1	159			2.43 @ 20ºC		09/30/97	10/22/09	12/31/11
978	Diethyl methylphosphonate; (DEMP)	683-08-9						03/01/00		12/31/11
979	Diethyl oxalate	95-92-1	185.4	1	47	1.079 @ 20C		04/14/04		12/31/11
980	Diethyl phosphite	762-04-9	187-188			1.074 @ 20C		10/11/05	10/11/05	12/31/11
981	Diethyl phthalate; (Ethyl phthalate)	84-66-2	295	7.5x10-3	12	1.232 @ 14ºC	7000	12/30/95	10/22/09	12/31/11
982	Diethyl pyrocarbonate	1609-47-8	160-163			1.12		07/11/07		12/31/11
983	Diethyl sulfate	64-67-5	208	0.75	36	1.172	41000	09/30/97	10/22/09	12/31/11
984	Diethyl tartrate	87-91-2	280			1.24		07/11/07	05/25/09	12/31/11
985	Diethyl telluride	627-54-3				1.5182 @ 15C		08/17/07	05/25/09	12/31/11
986	Diethyl trichloromethylphosphonate	866-23-9	130-131 @ 14 mm			1.362		07/22/08		12/31/11
987	Diethylamine	109-89-7	55.5	400	38	0.711	18000	08/07/98	04/21/10	12/31/11
988	Diethylaminoacetone	1620-14-0						12/08/02	05/25/09	
989	Diethylaminopropylamine	104-78-9	165-170			0.82	14000	07/11/07	02/05/08	12/31/11
990	Diethylaniline, N,N-	91-66-7	216.3	7.5x10-2	14	0.9307 @ 20ºC		09/30/97	10/22/09	12/31/11
991	Diethylbenzene, m-	141-93-5	181-182					01/04/99		12/31/11
992	Diethylbenzene, o-	135-01-3	183.5					01/04/99	01/24/12	01/24/12
993	**Diethyldichlorosilane**	**1719-53-5**	129 dec	40.4	48.1	1.0504 @ 20C		09/05/08	02/27/08	05/19/07
994	Diethylene glycol	111-46-6	244-245	0.07	22	1.1184	16000	08/07/98	05/25/09	12/31/11
995	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	147			1.005		04/14/04		12/31/11
996	Diethylene glycol diacetate; (2,2'-Oxybisethanol diacetate)	628-68-2	200			1.1068		03/01/00	04/13/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
997	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	134.48	ppm	5.50	C6.H14.O3	L	-68
998	Diethylene glycol hexyl ether; (n-Hexyl carbitol)	112-59-4	190.32	mg/m^3	7.78	C10.H22.03	L	-33.3
999	Diethylenetriamine	111-40-0	103.2	ppm	4.22	C4H13N3	L	-39
1000	Diethylenetriaminepentaacetic acid	67-43-6	393.35	mg/m^3	16.08	C14H23N3O10	S	219
1001	Diethylethanolamine, N,N-; (Diethylaminoethanol)	100-37-8	117.22	ppm	4.79	C6.H15.N.O.	L hygr	-70
1002	Diethylphosphatoethyltriethoxy silane	757-44-8	328.47	mg/m^3	13.43	C12.H29.O6.P.Si	S	
1003	Diethylstilbestrol; ((E)-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol)	56-53-1	268.38	mg/m^3	10.97	C18.H20.O2	S	171-172
1004	Diethylthiourea, N,N'-	105-55-5	132.25	mg/m^3	5.41	C5H12N2S	S	77
1005	Diethylurea, 1,3-	623-76-7	116.19	ppm	4.75	C5.H12.N2.O	S	112.5
1006	Diethylzinc	557-20-0	123.51	ppm	5.05	(C2.H5)2.Zn	L	-28
1007	**Difluoroethane; (1,1-Difluoroethane; HFC 152a)**	**75-37-6**	66.06	ppm	2.70	C2.H4.F2	L	-117
1008	Digitoxin	71-63-6	765.05	mg/m^3	31.27	C41.H64.O13	S	256-257
1009	Diglycidyl ether	2238-07-5	130.16	ppm	5.32	C6.H10.O3	L	
1010	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	176.21	mg/m^3	7.20	C8H16O4	L	-25
1011	Digoxin	20830-75-5	781.05	mg/m^3	31.92	C41.H64.O14	S	265 dec
1012	Dihexyl((diethylcarbamoyl)methyl)phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	363.48	mg/m^3	14.86	C18H38NO4P	S	
1013	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	86.1	mg/m^3	3.52	C4.H6.O2	L	-44
1014	Dihydro-2H-pyran, 3,4-	110-87-2	84.13	ppm	3.44	O.(C.H2)3.C.H.C.H	L mobile	
1015	Dihydro-3-(nonenyl)-2,5-furandione	28928-97-4	226.32	mg/m^3	9.25	C13.H20.O3	S	
1016	Dihydro-4-methyl furan, 2,3-	34314-83-5	84.12	mg/m^3	3.44	C5.H8.O	L	
1017	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	409.82	mg/m^3	16.75	Cl6H2Pt	S	60
1018	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	178.15	mg/m^3	7.28	C9.H6.O4	S	241.3 dec

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
997	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	162			0.9451	14000	04/14/04	05/25/09	12/31/11
998	Diethylene glycol hexyl ether; (n-Hexyl carbitol)	112-59-4	259.1	0.01	20	0.935		07/11/07		12/31/11
999	Diethylenetriamine	111-40-0	207	0.22	20	0.9586	10000	01/04/99	05/25/09	12/31/11
1000	Diethylenetriaminepentaacetic acid	67-43-6						07/09/97	11/23/09	12/31/11
1001	Diethylethanolamine, N,N-; (Diethylaminoethanol)	100-37-8	162	1.4	20	0.8851 @ 20C	67000	07/11/07	04/21/10	12/31/11
1002	Diethylphosphatoethyltriethoxy silane	757-44-8	141 @ 2MM			1.031		10/11/05		12/31/11
1003	Diethylstilbestrol; ((E)-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol)	56-53-1						06/13/02	04/13/09	12/31/11
1004	Diethylthiourea, N,N'-	105-55-5						01/04/99	02/27/08	12/31/11
1005	Diethylurea, 1,3-	623-76-7	263			1.0415 @ 25C	14670	12/08/02		12/31/11
1006	Diethylzinc	557-20-0	118	20.8	25	1.187 @ 18C		12/08/02	05/25/09	12/31/11
1007	**Difluoroethane; (1,1-Difluoroethane; HFC 152a)**	**75-37-6**	-26.5	4550	25	1.004 @ 25C	37000	06/13/02	05/25/09	
1008	Digitoxin	71-63-6						12/08/02	05/25/09	12/31/11
1009	Diglycidyl ether	2238-07-5	260	0.09	25	1.126 @ 25C		12/08/02	05/25/09	12/31/11
1010	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	218.5	7.5x10-2	10.6	1.0096 @ 20ºC	10000	09/30/97	10/22/09	12/31/11
1011	Digoxin	20830-75-5						12/08/02	05/25/09	12/31/11
1012	Dihexyl((diethylcarbamoyl)methyl)phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6		0.3	168	0.98		01/10/01	02/05/08	12/31/11
1013	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	203-204			1.41 @ 0C	14000	12/08/02	07/18/08	12/31/11
1014	Dihydro-2H-pyran, 3,4-	110-87-2	86-87			0.922 @ 19C		10/11/05	10/11/05	12/31/11
1015	Dihydro-3-(nonenyl)-2,5-furandione	28928-97-4	325			1.08		10/11/05	05/25/09	12/31/11
1016	Dihydro-4-methyl furan, 2,3-	34314-83-5						03/01/00		12/31/11
1017	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1				2.431		07/09/97	04/21/10	12/31/11
1018	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2		2.36E-07	25	0.862		10/11/05	10/11/05	12/31/11

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1019	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	88.12	ppm	3.60	C4.H8.O2	L	7
1020	Dihydroxyanthraquinone, 1,8-; (Dantron)	117-10-2	240.22	mg/m^3	9.82	C14H8O4	S	193
1021	Dihydroxybenzoic acid, 2,4-	89-86-1	154.13	mg/m^3	6.30	C7.H6.O4	S	218-219
1022	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	400.28254	mg/m^3	16.36	C10.H10.Na.O10.S2	S	300 dec
1023	Diiodomethane; (Methylene iodide)	75-11-6	267.83	mg/m^3	10.95	C.H2.I2	L	5 to 6
1024	Diisoamylamine	544-00-3	157.297	ppm	6.43	C10H23N	L	-44
1025	Diisobutyl ketone	108-83-8	142.27	ppm	5.81	C9.H18.O	L	
1026	Diisobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	142.25	ppm	5.81	[(C.H3)2.C.H.C.H2]2.Al.H	L	-80
1027	Diisobutylamine	110-96-3	129.28	ppm	5.28	C8.H10.N	L	-70
1028	Diisooctyl acid phosphate	27215-10-7	322.48	mg/m^3	13.18	C16.H35.O4.P	S	
1029	Diisopropyl methylphosphonate	1445-75-6	180.18	mg/m^3	7.36	C7H17O3P	L	
1030	Diisopropyl peroxydicarbonate	105-64-6	206.22	mg/m^3	8.43	C8.H14.O6	S	36016
1031	Diisopropylamine	108-18-9	101.22	ppm	4.14	C6H15N	L	
1032	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	200.18	mg/m^3	8.18	C8H19Cl2N	S	
1033	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0	145.28	mg/m^3	5.94	C8H19NO		
1034	Diisopropylaniline, 2,6-	24544-04-5	177.32	mg/m^3	7.25	C12.H19.N	L	-45
1035	Diisopropylbenzene, 1,3-	99-62-7	162.3	mg/m^3	6.63	C12.H18	L	-61
1036	Diisopropylethylamine, N,N-	7087-68-5	129.24	ppm	5.28	C8.H19.N	L	<-50
1037	Diisopropylfluorophosphate; (Phosphorofluoridic acid, bis(1-methylethyl) ester)	55-91-4	184.17	mg/m^3	7.53	C6.H14.F.O3.P	S	-82
1038	Diisopropylnaphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	212.36	mg/m^3	8.68	C16H20	S	
1039	**Diketene; (Ketene dimer)**	**674-82-8**	84.07	ppm	3.44	C4H4O2	L	-6.5
1040	Dilauroyl peroxide	105-74-8	398.7	mg/m^3	16.30	C24.H46.O4	S	49

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1019	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	234	0.0462	25	1.07		10/11/05	10/11/05	12/31/11
1020	Dihydroxyanthraquinone, 1,8-; (Dantron)	117-10-2						01/04/99	01/09/12	12/31/11
1021	Dihydroxybenzoic acid, 2,4-	89-86-1						10/11/05	07/18/08	12/31/11
1022	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0						10/11/05	05/25/09	12/31/11
1023	Diiodomethane; (Methylene iodide)	75-11-6	181			3.33 @ 15C		04/14/04		12/31/11
1024	Diisoamylamine	544-00-3	188			0.7672 @ 21C		07/11/07	12/09/11	12/09/11
1025	Diisobutyl ketone	108-83-8	166			0.81	8000	04/14/04	05/25/09	12/31/11
1026	Diisobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	140 @ 4 mm			0.798		07/11/07	05/25/09	12/31/11
1027	Diisobutylamine	110-96-3	139	7.27	25	0.745 @ 20C		06/13/02		12/31/11
1028	Diisooctyl acid phosphate	27215-10-7		4.70E-08	25			09/17/07		12/31/11
1029	Diisopropyl methylphosphonate	1445-75-6	121.05	0.28	25	0.976 No temp		07/09/97	10/22/09	12/31/11
1030	Diisopropyl peroxydicarbonate	105-64-6	17.2			1.080 @ 15C		12/08/02		12/31/11
1031	Diisopropylamine	108-18-9	83-84			0.722 @ 220C	11000	03/01/00	05/25/09	12/31/11
1032	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1						01/10/01		12/31/11
1033	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0						03/01/00		12/31/11
1034	Diisopropylaniline, 2,6-	24544-04-5	257			0.94		07/11/07		12/31/11
1035	Diisopropylbenzene, 1,3-	99-62-7	203.2	1	34.7	0.856		07/11/07		12/31/11
1036	Diisopropylethylamine, N,N-	7087-68-5	126.5			0.742		10/11/05		12/31/11
1037	Diisopropylfluorophosphate; (Phosphorofluoridic acid, bis(1-methylethyl) ester)	55-91-4	185	0.58	25	1.07		06/13/02	05/25/09	12/31/11
1038	Diisopropylnaphthalene; (Bis(isopropyl)naphthalene)	38640-62-9						01/04/99		12/31/11
1039	**Diketene; (Ketene dimer)**	**674-82-8**	126.1	7.5	19.3	1.0877 @ 20ºC	25000	11/30/92	10/22/09	
1040	Dilauroyl peroxide	105-74-8	62 dec			0.91 @ 25C		12/08/02	12/20/11	12/20/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1041	Dimefox; (bis(Dimethylamido)fluorophosphate)	115-26-4	154.15	mg/m^3	6.30	C4.H12.F.N2.O.P	L	
1042	Dimethoate	60-51-5	229.27	mg/m^3	9.37	C3.H12.N.O3.P.S2	S	51-52
1043	Dimethoxybenzene, 1,3-	151-10-0	138.18	mg/m^3	5.65	C8.H10.02	L	-52
1044	Dimethoxybenzene, o-	91-16-7	138.18	mg/m^3	5.65	C8.H10.O2	S	22.5
1045	Dimethoxybenzidene 3,3'-; (o-Dianisidine)	119-90-4	244.29	mg/m^3	9.98	C14H16N2O2	S	137
1046	Dimethoxybutane, 1,3-	10143-66-5	118.2	ppm	4.83	C6.H14.O2	L	
1047	Dimethoxybutane, 2,2-	3453-99-4	118.1754	ppm	4.83	C.C.(C.H3.O)2.C.C	L	
1048	Dimethoxydiphenylsilane	6843-66-9	244.39	mg/m^3	9.99	C14.H16.O2.Si	S	
1049	Dimethoxyethane, 1,2-	110-71-4	90.14	ppm	3.68	C4H10O2	L	-58
1050	Dimethoxypropane, 2,2-	77-76-9	104.15	ppm	4.26	C5.H12.O2	L	-47
1051	Dimethyglyoxime; (Diacetyldioxime)	95-45-4	116.14	mg/m^3	4.75	C4H8N2O2	S	238-240
1052	Dimethyl butane, 2,2-	75-83-2	86.2	ppm	3.52	C6H14	L	-98.2
1053	Dimethyl carbamoyl chloride	79-44-7	107.54	ppm	4.40	C3H6ClNO	L	-33
1054	Dimethyl carbonate	616-38-6	90.09	ppm	3.68	C3.H6.O3	L	0.5
1055	Dimethyl cyclopentanol, 1,3-	19550-46-0	114.187	mg/m^3	4.67	C7.H14.O	L	
1056	**Dimethyl disulfide**	**624-92-0**	94.2	ppm	3.85	C2H6S2	L	-84.67
1057	Dimethyl mercury	593-74-8	230.66	mg/m^3	9.43	C2H6Hg	L	
1058	Dimethyl methylphosphonate; (DMMP)	756-79-6	124.09	mg/m^3	5.07	C3H9O3P	L	
1059	**Dimethyl phosphite**	**868-85-9**	110.05	mg/m^3	4.50	C2H703P	L	
1060	Dimethyl phosphorochloridothioate	2524-03-0	160.56	mg/m^3	6.56	C2.H6.Cl.O2.P.S	L	
1061	Dimethyl siloxane; (Dimethylpolysiloxane; Syltherm XLT; Syltherm 800; Silicone 360)	63148-62-9		mg/m^3		[Unspecified]	Lvisc	
1062	**Dimethyl sulfate**	**77-78-1**	126.13	ppm	5.16	C2H604S	L	-31.7

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1041	Dimefox; (bis(Dimethylamido)fluorophosphate)	115-26-4	67 @ 4 mm	0.11	20	1.115 @ 20C		12/08/02	05/25/09	12/31/11
1042	Dimethoate	60-51-5	107 @ 0.05 mm	1.1 mPa	25	1.277 @ 65C		12/08/02	05/25/09	12/31/11
1043	Dimethoxybenzene, 1,3-	151-10-0	217.5			1.0521		10/11/05	02/27/08	12/31/11
1044	Dimethoxybenzene, o-	91-16-7	206			1.081		10/11/05		12/31/11
1045	Dimethoxybenzidene 3,3'-; (o-Dianisidine)	119-90-4						12/30/95	11/23/09	12/31/11
1046	Dimethoxybutane, 1,3-	10143-66-5					12900	06/13/02		12/31/11
1047	Dimethoxybutane, 2,2-	3453-99-4					12940	06/13/02		12/31/11
1048	Dimethoxydiphenylsilane	6843-66-9	286					10/11/05	10/11/05	12/31/11
1049	Dimethoxyethane, 1,2-	110-71-4	82-83			0.86877	16000	01/04/99		12/31/11
1050	Dimethoxypropane, 2,2-	77-76-9	83			0.847		07/11/07		12/31/11
1051	Dimethyglyoxime; (Diacetyldioxime)	95-45-4						08/07/98		12/31/11
1052	Dimethyl butane, 2,2-	75-83-2	49.7	400	31	0.649	12000	01/04/99		12/31/11
1053	Dimethyl carbamoyl chloride	79-44-7	167	1.95	25	1.168		09/30/97	11/23/09	12/31/11
1054	Dimethyl carbonate	616-38-6	90.91	55.364	25	1.065 @ 17C		10/11/05		12/31/11
1055	Dimethyl cyclopentanol, 1,3-	19550-46-0						10/11/05	05/25/09	12/31/11
1056	**Dimethyl disulfide**	**624-92-0**	109.74	75	45	1.0625 @ 20ºC	11000	12/30/95	10/22/09	01/19/11
1057	Dimethyl mercury	593-74-8	93	75	29	3.17		09/30/97	11/23/09	12/31/11
1058	Dimethyl methylphosphonate; (DMMP)	756-79-6	66-68 @10mm					01/04/99		12/31/11
1059	**Dimethyl phosphite**	**868-85-9**	56.5 @ 8mm			1.2		03/01/00		12/31/11
1060	Dimethyl phosphorochloridothioate	2524-03-0	68 @ 12 mm	4	40	1.326		12/08/02	05/25/09	12/31/11
1061	Dimethyl siloxane; (Dimethylpolysiloxane; Syltherm XLT; Syltherm 800; Silicone 360)	63148-62-9				0.94		07/09/97	05/25/09	12/31/11
1062	**Dimethyl sulfate**	**77-78-1**	188 dec	0.677	25	1.3322 @ 20ºC		12/30/95	10/23/09	08/17/07

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1063	**Dimethyl sulfide; (2-Thiopropane)**	**75-18-3**	62.13	ppm	2.54	C2H6S	L	-98.24
1064	Dimethyl sulfone	67-71-0	94.133	mg/m^3	3.85	C2.H6.O2.S	S	108.9
1065	Dimethyl sulfoxide; (DMSO)	67-68-5	78.13	ppm	3.19	C2H6OS	L	17.89
1066	Dimethyl(1-phenylethyl)benzene	40766-31-2	210.34	mg/m^3	8.60	C16H18	L	
1067	Dimethyl(polysiloxane); (Polydimethylsiloxane, silanol terminated; Dimethylsiloxane, poly, hydroxy end-blocked)	70131-67-8		mg/m^3			L	
1068	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	132.18	ppm	5.40	C6.H12.O3	L	-26.4
1069	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	102.21	ppm	4.18	C5.H14.N2	L	-70
1070	Dimethyl-1-butanamine, N,N-	927-62-8	101.22	mg/m^3	4.14	C6.H15.N	L	<-60
1071	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	98.17	ppm	4.01	C7.H14	L	-124.2
1072	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	151.163	mg/m^3	6.18	C8.H9.N.O2	L	15
1073	Dimethyl-3-pentanone, 2,4-	565-80-0	114.21	ppm	4.67	C7.H14.O	L	-69
1074	Dimethyl-5-phenylphenazinium chloride, 3,7-diamino-2,8-; (Safranine; Gossypimine)	477-73-6	350.88	mg/m^3	14.34	C20.H19.N4.Cl	S	
1075	Dimethylacetamide, N,N-	127-19-5	87.14	ppm	3.56	C4.H9.N.O	L	-20
1076	Dimethylacrylamide, N,N-	2680-03-7	99.15	mg/m^3	4.05	C5.H9.N.O		
1077	**Dimethylamine**	**124-40-3**	45.08	ppm	1.84	C2H7N	G	-92.18
1078	Dimethylamino)benzaldehyde, p-(	100-10-7	149.21	mg/m^3	6.10	C9H11NO	S	74
1079	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, p-((p-(; (Methyl orange, sodium salt)	547-58-0	327.36	mg/m^3	13.38	C14.H14.N3.O3.S.Na	S	>300
1080	Dimethylaminoazobenzene, 4-	60-11-7	225.29	mg/m^3	9.21	C14H15N3	S	117
1081	Dimethylaminocyclohexane, N,N-	98-94-2	127.26	mg/m3	5.20	C8.H17.N	L	-77
1082	Dimethylaminoethanol, 2-	108-01-0	89.16	ppm	3.64	C4.H11.N.O	L	-59
1083	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	144.06	mg/m^3	5.89	C4.H10.Cl.N.Cl.h	S	201
1084	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	134.18	mg/m^3	5.48	C5.H14.N2.O2	L	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1063	**Dimethyl sulfide; (2-Thiopropane)**	**75-18-3**	37.33	750	37	0.8483 @ 20º	22000	12/30/95	10/23/09	01/19/11
1064	Dimethyl sulfone	67-71-0	238			1.1700 @ 10C		10/11/05		12/31/11
1065	Dimethyl sulfoxide; (DMSO)	67-68-5	189	0.75	27.4	1.101	26000	08/21/96	04/21/10	12/31/11
1066	Dimethyl(1-phenylethyl)benzene	40766-31-2						01/04/99		12/31/11
1067	Dimethyl(polysiloxane); (Polydimethylsiloxane, silanol terminated; Dimethylsiloxane, poly, hydroxy end-blocked)	70131-67-8				1		07/11/07		12/31/11
1068	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	75	70	20	1.065		10/11/05	05/25/09	12/31/11
1069	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	123	10	30	0.8100 @ 30C		07/11/07		12/31/11
1070	Dimethyl-1-butanamine, N,N-	927-62-8	95			0.7206 @ 20C		07/11/07		12/31/11
1071	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	91.5			0.7124		03/01/00		12/31/11
1072	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	240			1.1402 @ 20C		10/11/05	05/25/09	12/31/11
1073	Dimethyl-3-pentanone, 2,4-	565-80-0	125.4			0.8108		10/11/05	06/24/08	12/31/11
1074	Dimethyl-5-phenylphenazinium chloride, 3,7-diamino-2,8-; (Safranine; Gossypimine)	477-73-6						10/11/05		12/31/11
1075	Dimethylacetamide, N,N-	127-19-5	165	1.3	25	0.943 @ 20C	17000	12/08/02		12/31/11
1076	Dimethylacrylamide, N,N-	2680-03-7						10/11/05	10/11/05	12/31/11
1077	**Dimethylamine**	**124-40-3**	6.88	750	6.6	0.6804 @ 0ºC	28000	11/30/92	10/23/09	08/16/07
1078	Dimethylamino)benzaldehyde, p-(	100-10-7	176-177 @17mm					01/10/01		12/31/11
1079	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, p-((p-(; (Methyl orange, sodium salt)	547-58-0	dec.					10/11/05	04/13/09	12/31/11
1080	Dimethylaminoazobenzene, 4-	60-11-7	dec	3.3x10-7	no temp			09/30/97	10/17/09	12/31/11
1081	Dimethylaminocyclohexane, N,N-	98-94-2	158-165	3.6	20	0.8490 @ 20ºC	35000	07/22/10		12/31/11
1082	Dimethylaminoethanol, 2-	108-01-0	135			0.8866 @ 20C	16000	10/11/05	02/05/08	12/31/11
1083	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7						07/11/07		12/31/11
1084	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	60-61			1.05		07/11/07	02/05/08	12/31/11

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1085	Dimethylaniline, N,N-	121-69-7	121.2	ppm	4.95	C8.H11.N	L	2.5
1086	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	212.29	mg/m^3	8.68	C14H16N2	S	131
1087	Dimethylbutyric acid, 2,2-	595-37-9	116.16	mg/m^3	4.75	C2.H5.C(C.H3)2.C.O2.H	L	-14
1088	**Dimethylchlorosilane; (Chlorodimethylsilane)**	**1066-35-9**	94.62	ppm	3.87	C2.H7.Cl.Si	L	-111
1089	Dimethylcyclohexane, cis-1,4-	624-29-3	112.22	ppm	4.59	C8H16	L	-87.4
1090	Dimethyldecane, 2,2-	17302-37-3	170.34	ppm	6.96	C12H26		
1091	**Dimethyldichlorosilane**	**75-78-5**	129.06	ppm	5.27	C2H6Cl2Si	L	-16
1092	Dimethyldicyclopentadiene	26472-00-4	160.28	mg/m^3	6.55	C12.H16	L	-51
1093	Dimethyldimethoxysilane	1112-39-6	120.25	mg/m^3	4.91	C4.H12.O2.Si	L	
1094	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	90.14	ppm	3.68	C4H10O2	L	-8
1095	**Dimethylformamide, N,N-**	**68-12-2**	73.09	ppm	2.99	C3H7NO	L	-60.48
1096	Dimethylheptane, 2,2-	1071-26-7	128.26	ppm	5.24	C9.H2.0	L	-113
1097	Dimethylhexane, 3,3-	563-16-6	114.23	ppm	4.67	C8.H18	L	-126.1
1098	**Dimethylhydrazine, 1,1-**	**57-14-7**	60.098	ppm	2.46	C2H8N2	L	-57.2
1099	**Dimethylhydrazine, 1,2-**	**540-73-8**	60.1	ppm	2.46	C2H8N2	fumes	-8.9
1100	Dimethylimidizole, 1,2-	1739-84-0	96.15	mg/m^3	3.93	C5.H8.N2	S	37-39
1101	Dimethylisopropylamine, N,N-	996-35-0	87.1644	mg/m^3	3.56	C5.H13.N		
1102	Dimethylnonane, 4,5-	17302-23-7	156.31156	ppm	6.39	C11.H24	L	
1103	Dimethyloctane, 3,5-	15869-93-9	142.2838	ppm	5.82	C10.H22	L	
1104	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	122.18	mg/m^3	4.99	C8.H10.O	L	26
1105	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	122.18	mg/m^3	4.99	C8.H10.O	S	48-49

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1085	Dimethylaniline, N,N-	121-69-7	193.1	0.7	25	0.9557 @ 20C		06/13/02	05/26/09	12/31/11
1086	Dimethylbenzidene 3,3'-; (o-Tolidine)	119-93-7	300					12/30/95	10/23/09	12/31/11
1087	Dimethylbutyric acid, 2,2-	595-37-9	94-96			0.928		07/11/07	02/05/08	12/31/11
1088	**Dimethylchlorosilane; (Chlorodimethylsilane)**	**1066-35-9**	34.6			0.852		09/05/08	05/26/09	08/04/10
1089	Dimethylcyclohexane, cis-1,4-	624-29-3	124.4			0.7829		03/01/00	02/27/08	12/31/11
1090	Dimethyldecane, 2,2-	17302-37-3					5950	12/08/02	05/26/09	12/31/11
1091	**Dimethyldichlorosilane**	**75-78-5**	70.3	144	25	1.064	34000	08/21/96	01/21/10	01/21/10
1092	Dimethyldicyclopentadiene	26472-00-4	200	7.5	47.8	0.941	10000	07/11/07	01/17/12	01/17/12
1093	Dimethyldimethoxysilane	1112-39-6	81.4			0.864		07/11/07		12/31/11
1094	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	89dec	3.07	20	0.86		03/01/00		12/31/11
1095	**Dimethylformamide, N,N-**	**68-12-2**	153	7.5	38	0.9455	22000	11/30/92	10/27/09	10/11/05
1096	Dimethylheptane, 2,2-	1071-26-7	132.7			0.7105 @ 20C	8000	12/08/02	05/26/09	12/31/11
1097	Dimethylhexane, 3,3-	563-16-6	111.9			0.7100 @ 20C	9000	12/08/02	05/26/09	12/31/11
1098	**Dimethylhydrazine, 1,1-**	**57-14-7**	63.9	75	10.5	0.791 @ 22ºC	20000	11/30/92	04/21/10	12/31/11
1099	**Dimethylhydrazine, 1,2-**	**540-73-8**	81	75	26.4	0.8274 @ 20ºC		09/30/97	10/27/09	12/31/11
1100	Dimethylimidizole, 1,2-	1739-84-0	204	1	20	1.084		07/11/07		12/31/11
1101	Dimethylisopropylamine, N,N-	996-35-0						07/11/07	05/26/09	12/31/11
1102	Dimethylnonane, 4,5-	17302-23-7					6470	06/13/02	05/26/09	05/26/09
1103	Dimethyloctane, 3,5-	15869-93-9					7000	06/13/02	05/26/09	06/17/09
1104	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	210.8	0.102	25	0.9650 @ 20C		06/13/02	01/16/12	01/16/12
1105	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	203	0.274	25			06/13/02		9/16/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1106	Dimethylphthalate	131-11-3	194.18	mg/m^3	7.94	C10H10O4	L	5.5
1107	Dimethylpolysilane; (Poly(dimethylsilane))	28883-63-8	290.77	ppm	11.88	(C2.H6.Si)x	S	
1108	Dimethyl-p-phenylenediamine, N,N-	99-98-9	136.22	mg/m^3	5.57	C8.H12.N2	S/L	41
1109	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	72.17	ppm	2.95	C5.H12	G/L	-16.6
1110	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	107.17	ppm	4.38	C7.H9.N	L	-6.1
1111	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	226.3722	mg/m^3	9.25	C6.H18.O5.Si2	S	
1112	Dimetilan	644-64-4	240.3	mg/m^3	9.82	C10.H16.N4.O3	S	68-71
1113	Di-n-amylamine	2050-92-2	157.297	ppm	6.43	C10H23N	L	-7.85
1114	Di-n-butylamine	111-92-2	129.28	ppm	5.28	C8H19N	L	-61.9
1115	Dinitraniline orange; (Hansa orange RN)	3468-63-1	338.28	mg/m^3	13.83	C16H10N4O5	S	302
1116	Dinitroaniline, 2,4-	97-02-9	183.14	mg/m^3	7.49	C6.H5.N3.O4	S	188
1117	Dinitrobenzene, m-	99-65-0	168.11	mg/m^3	6.87	C6H4N2O4	S	90.3
1118	Dinitrobenzene, o-	528-29-0	168.12	mg/m^3	6.87	C6.H4.N2.O4	S	118
1119	Dinitrobenzene, p-	100-25-4	168.12	mg/m^3	6.87	C6.H4.N2.O4	S	173
1120	Dinitro-o-cresol, 4,6-	534-52-1	198.13	mg/m^3	8.10	C7H6N2O5	S	86.5
1121	Dinitrophenol	25550-58-7	184.12	mg/m^3	7.53	C6H4N2O5	S	
1122	Dinitrophenol, 2,3-	66-56-8	184.11	mg/m^3	7.52	C6H4N2O5	S	144.5
1123	Dinitrophenol, 2,4-	51-28-5	184.11	mg/m^3	7.52	C6H4N2O5	S	114.8
1124	Dinitrophenol, 2,6-	573-56-8	184.12	mg/m^3	7.53	C6.H4.N2.O5	S	63
1125	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	197.17	mg/m^3	8.06	C7H7N3O4	S	171-172
1126	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	144.16	mg/m^3	5.89	C4.H8.N4.O2	S	158
1127	Dinitrotoluene	25321-14-6	182.14	mg/m^3	7.44	C7H6N2O4	L or S	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1106	Dimethylphthalate	131-11-3	283.7	7.5x10-3	27	1.1905 @ 20ºC	9000	08/21/96	02/17/12	02/17/12
1107	Dimethylpolysilane; (Poly(dimethylsilane))	28883-63-8						07/11/07	04/21/10	
1108	Dimethyl-p-phenylenediamine, N,N-	99-98-9	262	0.0001	25	1.036 @ 20C		06/13/02	05/26/09	12/31/11
1109	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	9.5	1290	25	0.613 @ 0C	14000	06/13/02	05/26/09	12/31/11
1110	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	145.7	5.65	25	0.9226 @ 25C		12/08/02		12/31/11
1111	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5						10/11/05	05/26/09	12/31/11
1112	Dimetilan	644-64-4	200-210 @13mm	0.000097	20			12/08/02	05/26/09	12/31/11
1113	Di-n-amylamine	2050-92-2	202.5	0.153	25	0.777		10/11/05	10/11/05	12/31/11
1114	Di-n-butylamine	111-92-2	159.6	2		0.7613	11000	09/30/97	11/23/09	12/31/11
1115	Dinitraniline orange; (Hansa orange RN)	3468-63-1		9.32x10-12	25	1.52 No temp		09/30/97	10/28/09	12/31/11
1116	Dinitroaniline, 2,4-	97-02-9	[56.7]	5.94E-07	25	1.615		12/08/02		12/31/11
1117	Dinitrobenzene, m-	99-65-0	291	2.0x10-4	25	1.5751 @ 18ºC		09/30/97	11/23/09	12/31/11
1118	Dinitrobenzene, o-	528-29-0	319			1.571 @ 0C	18000	06/13/02	05/26/09	12/31/11
1119	Dinitrobenzene, p-	100-25-4	299	<1	20	1.625 @ 18C	18000	06/13/02	05/26/09	12/31/11
1120	Dinitro-o-cresol, 4,6-	534-52-1	220	0.00012	25	1.58 @ 20ºC		09/30/97	10/28/09	
1121	Dinitrophenol	25550-58-7						08/07/98	05/25/09	12/31/11
1122	Dinitrophenol, 2,3-	66-56-8				1.681 @ 20ºC		08/21/96	10/28/09	12/31/11
1123	Dinitrophenol, 2,4-	51-28-5	subl	3.9x10-4	20	1.683 @ 24^{0}C		12/30/95	05/27/09	12/31/11
1124	Dinitrophenol, 2,6-	573-56-8						08/07/98	01/05/10	12/31/11
1125	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6						08/07/98	07/19/08	12/31/11
1126	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4						12/08/02	07/10/08	12/31/11
1127	Dinitrotoluene	25321-14-6	250			1.3208 @ 71^{0}C		12/30/95	11/23/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1128	Dinitrotoluene, 2,4-	121-14-2	182.13	mg/m^3	7.44	C7H6N2O4	S	70.5
1129	Dinitrotoluene, 2,6-	606-20-2	182.13	mg/m^3	7.44	C7H6N2O4	S	66
1130	Dinitrotoluene, 3,4-	610-39-9	182.15	mg/m^3	7.44	C7.H6.N2.O4	S	61
1131	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	240.21	mg/m^3	9.82	C10H12N2O5	S	40
1132	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	240.24	mg/m^3	9.82	C10.H12.N2.O5	S	125.5-126.5
1133	Dioctyl phthalate, n-	117-84-0	390.62	mg/m^3	15.97	C24H38O4	S	
1134	Dioctyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	426.76	mg/m^3	17.44	C26.H50.O4	L	-48
1135	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	444.62	mg/m^3	18.17	C20H37NaO7S	S	155
1136	**Dioxane, 1,4-; (1,4-Diethyleneoxide)**	**123-91-1**	88.11	ppm	3.60	C4H8O2	L	11.7
1137	Dioxathion	78-34-2	456.56	mg/m^3	18.66	C12.H26.O6.P2.S4	L	-20
1138	Dioxin; (TCDD; 2,3,7,8-Tetrachlorodibenzo-p-dioxin)	1746-01-6	321.97	mg/m^3	13.16	C12H4Cl4O2	S	295
1139	Dioxolane, 1,3-	646-06-0	74.09	ppm	3.03	C3H6O2	L	-95
1140	Dipentaerythritol; (Dipentek)	126-58-9	254.26	mg/m^3	10.39	C10.H22.O7	S	212-220
1141	Dipentyl pentylphosphonate	6418-56-0	292.45	mg/m^3	11.95	C15H33O3P	S	
1142	Diphacinone; (Diphenadione)	82-66-6	340.39	mg/m^3	13.91	C23.H16.O3	S	147
1143	Diphenyl chlorophosphate; (Diphenylphosphoryl chloride)	2524-64-3	268.63596	mg/m3	10.98	C12.H10.Cl.O3.P	L	
1144	Diphenyl cresol phosphate	26444-49-5	340.31466	mg/m^3	13.91	C19.H17.O4.P	L	-38
1145	Diphenyl mercury	587-85-9	354.8	mg/m^3	14.50	C12H10Hg		
1146	**Diphenyl; (Biphenyl)**	**92-52-4**	154.21	ppm	6.30	C12H10	S	68.93
1147	Diphenylamine	122-39-4	169.22	mg/m^3	6.92	C12H11N	S	53.2
1148	**Diphenylchloroarsine; (Chlorodiphenylarsine)**	**712-48-1**	264.59	mg/m^3	10.81	C12.H10.As.Cl	S	44

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1128	Dinitrotoluene, 2,4-	121-14-2	300 dec	1.47x10-4	22	1.3208 @ 71^{0}C	14000	12/30/95	11/23/09	12/31/11
1129	Dinitrotoluene, 2,6-	606-20-2	285	5.67x10-4	25	1.2833 @ 111^{0}C	14000	12/30/95	11/23/09	12/31/11
1130	Dinitrotoluene, 3,4-	610-39-9				1.2594 @ 111C		06/13/02	04/21/10	12/31/11
1131	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7		1	151.1	1.265 @ 45^{0}C		12/30/95	10/28/09	12/31/11
1132	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1						12/08/02	05/27/09	12/31/11
1133	Dioctyl phthalate, n-	117-84-0						08/07/98		12/31/11
1134	Dioctyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	256 @ 5 mm			0.914 @ 20C		04/14/04		12/31/11
1135	Dioctyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	dec			1.1 @ 20C		03/01/00		12/31/11
1136	**Dioxane, 1,4-; (1,4-Diethyleneoxide)**	**123-91-1**	101.5	75	39.6	1.0337 @ 20^{0}C	17000	12/30/95	10/23/09	10/11/05
1137	Dioxathion	78-34-2	60-68 @ 0.5 mm			1.257 @ 26C		12/08/02	05/27/09	12/31/11
1138	Dioxin; (TCDD; 2,3,7,8-Tetrachlorodibenzo-p-dioxin)	1746-01-6		1.50x10-9	25			09/30/97	10/29/09	12/31/11
1139	Dioxolane, 1,3-	646-06-0	78			1.066	21000	01/04/99	05/27/09	12/31/11
1140	Dipentaerythritol; (Dipentek)	126-58-9				1.33		04/14/04	05/27/09	12/31/11
1141	Dipentyl pentylphosphonate	6418-56-0						08/07/98	02/27/08	12/31/11
1142	Diphacinone; (Diphenadione)	82-66-6		13.7 nPa	25	1.281 @ 25C		12/08/02	05/27/09	12/31/11
1143	Diphenyl chlorophosphate; (Diphenylphosphoryl chloride)	2524-64-3	314 @ 272 mmHg			1.296		08/05/10		12/31/11
1144	Diphenyl cresol phosphate	26444-49-5	390			1.208		08/17/07	04/10/09	12/31/11
1145	Diphenyl mercury	587-85-9	204 @ 10mmHg			2.318		12/30/95	10/29/09	12/31/11
1146	**Diphenyl; (Biphenyl)**	**92-52-4**	256.1	0.75	69	1.04 @ 20^{0}C	6000	12/30/95	10/29/09	12/31/11
1147	Diphenylamine	122-39-4	302	7.5x10-3	48	1.158 @ 22^{0}C		12/30/95	11/23/09	12/31/11
1148	**Diphenylchloroarsine; (Chlorodiphenylarsine)**	**712-48-1**	330 dec	0.00049	20	1.333 @ 40C		09/05/08	05/27/09	

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1149	**Diphenyldichlorosilane**	**80-10-4**	253.21	ppm	10.35	C12.H10.Cl2.Si	L	-20
1150	Diphenylguanidine, 1,3-	102-06-7	211.29	mg/m^3	8.64	C13H13N3	S	150
1151	Diphenylhydrazine, 1,2-	122-66-7	184.24	mg/m^3	7.53	C12H12N2	S	131
1152	Diphenylmethane	101-81-5	168.25	mg/m^3	6.88	C13.H12	L-S	25.9
1153	Diphenylnitrosamine	86-30-6	198.24	mg/m^3	8.10	C12H10N2O	S	66.5
1154	Diphenyloxazole, 2,5-	92-71-7	221.25	mg/m^3	9.04	C15H11NO	S	74
1155	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	167.1208	mg/m^3	6.83	C7.H5.N.O4	S	252
1156	Dipotassium cadmium oxide	z-0013	222.6064	mg/m^3	9.10	K2.Cd.O2	S	
1157	Dipotassium dihydrogen silicate	z-0014	172.278	mg/m^3	7.04	K2.H2.Si.O2	S	
1158	Dipotassium metasilicate	10006-28-7	154.263	mg/m^3	6.30	K2.Si.O3	S	
1159	Dipropyl ketone; (4-Heptanone)	123-19-3	114.21	ppm	4.67	C7.H14.O	L	-32.6
1160	Dipropylamine	142-84-7	101.19	mg/m^3	4.14	C6H15N	L	-63
1161	Dipropylene glycol methyl ether	34590-94-8	148.2	ppm	6.06	C7H16O3	L	-80
1162	Direct Black 38; (Apomine black GX)	1937-37-7	781.78	mg/m^3	31.95	C34.H25.N9.O7.S2.2Na	S	
1163	Di-sec-octylphthalate	117-81-7	390.56	mg/m^3	15.96	C24H38O4	L	-55
1164	Disodium (2-ethylhexyl)phosphate	15505-13-2	155	mg/m^3	6.34	C8.H19.O4.P.2Na		
1165	Disodium 3,6-endoxohexahydrophthalate	129-67-9	230.14	mg/m^3	9.41	C8H8Na2O5	S	144
1166	Disodium butylphosphate	64114-42-7	200	mg/m^3	8.17	C4.H11.04.P.2Na		
1167	Disodium cadmium oxide	z-0016	190.3893	mg/m^3	7.78	Na2.Cd.O2	S	
1168	Disodium dihydrogen silicate	z-0017	140.078	mg/m^3	5.73	[Unknown]	S	
1169	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	220.1	mg/m^3	9.00	C6.H12.N2.O4.2Na	S	
1170	Disodium hexafluorosilicate (2-)	16893-85-9	188.07	mg/m^3	7.69	F6.Si.2Na	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1149	**Diphenyldichlorosilane**	**80-10-4**	305			1.204		09/05/08	04/21/10	
1150	Diphenylguanidine, 1,3-	102-06-7	170 dec			1.115		08/07/98		12/31/11
1151	Diphenylhydrazine, 1,2-	122-66-7	293	4.4x10-4	25	1.158 @ 16^{0}C		12/30/95	11/23/09	12/31/11
1152	Diphenylmethane	101-81-5	264.5	1	76	1.008		10/11/05	10/11/05	12/31/11
1153	Diphenylnitrosamine	86-30-6				1.23		01/10/01		12/31/11
1154	Diphenyloxazole, 2,5-	92-71-7	360			1.0940 @ 100^{0}C		07/09/97	10/29/09	12/31/11
1155	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2						10/11/05	05/27/09	12/31/11
1156	Dipotassium cadmium oxide	z-0013						12/08/02	05/27/09	12/31/11
1157	Dipotassium dihydrogen silicate	z-0014						12/08/02	05/27/09	12/31/11
1158	Dipotassium metasilicate	10006-28-7						12/08/02	05/27/09	
1159	Dipropyl ketone; (4-Heptanone)	123-19-3	144	5.2	20	0.815	11000	12/08/02	05/27/09	12/31/11
1160	Dipropylamine	142-84-7	109.3	7.5	6	0.7400 @ 20^{0}C		11/15/96	01/24/12	01/24/12
1161	Dipropylene glycol methyl ether	34590-94-8	188.3	0.4	26	0.951	11000	08/07/98	02/16/12	02/16/12
1162	Direct Black 38; (Apomine black GX)	1937-37-7						06/13/02		12/31/11
1163	Di-sec-octylphthalate	117-81-7	384	7.5x10-3	122	0.981	1000	12/30/95	11/23/09	12/31/11
1164	Disodium (2-ethylhexyl)phosphate	15505-13-2						12/08/02	05/27/09	
1165	Disodium 3,6-endoxohexahydrophthalate	129-67-9				1.431		01/10/01		12/31/11
1166	Disodium butylphosphate	64114-42-7						12/08/02	05/27/09	
1167	Disodium cadmium oxide	z-0016						12/08/02	05/27/09	12/31/11
1168	Disodium dihydrogen silicate	z-0017						12/08/02	05/27/09	12/31/11
1169	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5						12/08/02	05/27/09	
1170	Disodium hexafluorosilicate (2-)	16893-85-9				2.7		10/11/05	04/21/10	12/31/11

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

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1171	Disodium iminodiacetate	928-72-3	177.08	ppm	7.24	C4.H5.N.O4.2Na	S	
1172	Disodium monoxide; (Disodium oxide; Sodium oxide)	1313-59-3	61.98	mg/m^3	2.53	Na2.O	S	1132 dec
1173	Disulfiram	97-77-8	296.56	mg/m^3	12.12	C10.H20.N2.S4	S	70
1174	Disulfoton	298-04-4	274.42	mg/m^3	11.22	C8.H19.O2.P.S3	S	>-25
1175	Di-tert-butyl dicarbonate	24424-99-5	218.28	mg/m^3	8.92	C10.H18.O5	L	
1176	Di-tert-butylhydroquinone, 2,5-	88-58-4	222.35	mg/m^3	9.09	C14.H22.O2	S	213.5
1177	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	519.51	mg/m^3	21.23	C23.H24.N2.S2.I	S	248
1178	Dithiobiuret	541-53-7	135.22	mg/m^3	5.53	C2.H5.N3.S2	S	181
1179	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	154.26	mg/m^3	6.30	C4.H10.O2.S2	L	26
1180	Dithioerythritol, 1,4-	6892-68-8	154.26	mg/m^3	6.30	C4.H10.O2.S2	L	
1181	Diurethane dimethacrylate	72869-86-4	470.56	mg/m^3	19.23	C23.H38.N2.O8	S	
1182	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	130.2	ppm	5.32	C10H10	L	-87
1183	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	130.2	ppm	5.32	C10H10	L	-87
1184	Dodecamethylcyclohexasiloxane	540-97-6	445.02	mg/m^3	18.19	C12.H36.O6.Si6	S	
1185	Dodecane	112-40-3	170.38	ppm	6.96	C12H26	L	-9.6
1186	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	202.44	ppm	8.27	C12.H26.S	L	-7
1187	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	266.38	mg/m^3	10.89	C16.H26.O3	S	41-43
1188	Dodecenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	266.38	mg/m^3	10.89	C16H.H26.O3	L	
1189	Dodecenylsuccinic anhydride	25377-73-5	266.38	mg/m^3	10.89	C16.H27.O3	L	
1190	Dodecyl alcohol	112-53-8	186.38	mg/m^3	7.62	C12H26O	S	24
1191	Dodecyl methacrylate	142-90-5	254.46	ppm	10.40	C16.H30.O2	L	-29
1192	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0	326.54	mg/m^3	13.35	C18H30O3S		

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1171	Disodium iminodiacetate	928-72-3					33850	12/08/02		12/31/11
1172	Disodium monoxide; (Disodium oxide; Sodium oxide)	1313-59-3				2.27		09/05/08	06/12/09	06/12/09
1173	Disulfiram	97-77-8	117			1.3		06/13/02	05/27/09	12/31/11
1174	Disulfoton	298-04-4	132-133 @ 1.5 mm	0.000054	20	1.144 @ 20C		12/08/02	05/27/09	12/31/11
1175	Di-tert-butyl dicarbonate	24424-99-5						07/11/07		12/31/11
1176	Di-tert-butylhydroquinone, 2,5-	88-58-4						10/11/05	05/27/09	12/31/11
1177	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8		0.00001	25			06/13/02	05/27/09	12/31/11
1178	Dithiobiuret	541-53-7	dec			1.522 @ 30C		12/08/02	05/27/09	12/31/11
1179	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	160			1.261		10/11/05	05/25/09	12/31/11
1180	Dithioerythritol, 1,4-	6892-68-8						04/14/04		12/31/11
1181	Diurethane dimethacrylate	72869-86-4	200			1.11		07/11/07		12/31/11
1182	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	195-200	0.579	25	0.918	11000	08/07/98	05/27/09	12/31/11
1183	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	195-200	0.579	25	0.918	7000	01/04/99	05/27/09	12/31/11
1184	Dodecamethylcyclohexasiloxane	540-97-6						12/08/02	05/27/09	
1185	Dodecane	112-40-3	216.3	0.135	25	0.749	6000	08/07/98		12/31/11
1186	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	142-145	0.00853	20	0.8450 @ 20C		07/11/07	05/28/09	12/31/11
1187	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	180-182	<1	20			07/11/07	05/28/09	12/31/11
1188	Dodecenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	350			1.005		07/11/07		12/31/11
1189	Dodecenylsuccinic anhydride	25377-73-5	180-182 @ 5mm			1.002		04/14/04		12/31/11
1190	Dodecyl alcohol	112-53-8	145-148	8.48E-04	25	0.830-6	6000	08/07/98	01/09/12	01/09/12
1191	Dodecyl methacrylate	142-90-5	142 @ 4mm	0.0012	20	0.868 @ 20C		10/11/05	10/11/05	12/31/11
1192	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0						01/04/99		12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1193	Dodecylphenol, 4- (mixture of isomers)	27193-86-8	262.48	mg/m^3	10.73	C18.H30.O	L/S	66
1194	Dodecylsarcosine sodium salt, N-; (N-Lauryl sarcosine sodium salt)	7631-98-3	279.45	mg/m^3	11.42	C13.H30.N.O2.Na	S	
1195	**Dodecyltrichlorosilane**	**4484-72-4**	303.81	ppm	12.42	C12.H25.Cl3.Si	L	
1196	Dowex 50WX4 (50-400 ion exchange resin)	11113-61-4	196.04	mg/m^3	8.01	[Unknown]	S	
1197	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	223.09	mg/m^3	9.12	C9.H12.Cl2.O2	L	
1198	Dysprosium	7429-91-6	162.5	mg/m^3	6.64	Dy	S	1409
1199	Dysprosium nickelide	12175-27-8	221.19	mg/m^3	9.04	DyNi	S	
1200	Dysprosium nitrate	10143-38-1	348.6	mg/m^3	14.25	DyN3O9	S	88.6
1201	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	373	mg/m^3	15.25	Dy2.O3	S	2408
1202	Ecolite	z-0018		mg/m^3		[Unspecified]		
1203	Emetine dihydrochloride, l-	316-42-7	553.63	mg/m^3	22.63	C29.H40.N2.O4.2(Cl.H)	S	255
1204	Endosulfan	115-29-7	406.93	mg/m^3	16.63	C9H6Cl6O3S	S	106
1205	Endothion	2778-04-3	280.25	mg/m^3	11.45	C9.H13.O6.P.S	S	96
1206	Endrin	72-20-8	380.91	mg/m^3	15.57	C12H8Cl6O	S	245 dec
1207	Epibatidine	140111-52-0	208.69	mg/m^3	8.53	C11H13ClN2	L	
1208	Epibromohydrin	3132-64-7	136.99	mg/m^3	5.60	C3.H5.Br.O	L	-40
1209	**Epichlorohydrin**	**106-89-8**	92.53	ppm	3.78	C3H5ClO	L	-25.6
1210	Epinephrine; (Vasotonin; (R)-4-(1-Hydroxy-2-(methylamino)ethyl)-1,2-benzenediol)	51-43-4	183.23	mg/m^3	7.49	C9.H13.N.O3	S	216
1211	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	323.32	mg/m^3	13.21	C14.H14.N.O4.P.S	L/S	36
1212	Epoxy resin (EPON 1001)	25068-38-6a		mg/m^3		(C18H21ClO3)x	S	
1213	Epoxy resin (EPON 1007)	25068-38-6b		mg/m^3		(C18H21ClO3)x	S	
1214	Epoxy resin (EPON 820)	25068-38-6c		mg/m^3		(C18H21ClO3)x	S	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1193	Dodecylphenol, 4- (mixture of isomers)	27193-86-8	175			0.93 @ 20C		10/11/05	05/28/09	12/31/11
1194	Dodecylsarcosine sodium salt, N-; (N-Lauryl sarcosine sodium salt)	7631-98-3						04/14/04		12/31/11
1195	**Dodecyltrichlorosilane**	**4484-72-4**	288			1.026		09/05/08	04/21/10	
1196	Dowex 50WX4 (50-400 ion exchange resin)	11113-61-4						10/11/05	05/28/09	12/31/11
1197	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	64-67 @ 0.2 torr			1.17		07/11/07	05/28/09	12/31/11
1198	Dysprosium	7429-91-6	2335			8.54		07/11/07	05/28/09	12/31/11
1199	Dysprosium nickelide	12175-27-8						08/07/98	05/28/09	12/31/11
1200	Dysprosium nitrate	10143-38-1						08/07/98		12/31/11
1201	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8				7.81		12/08/02		12/31/11
1202	Ecolite	z-0018						08/07/98		12/31/11
1203	Emetine dihydrochloride, l-	316-42-7		0.00001	25			06/13/02	05/28/09	12/31/11
1204	Endosulfan	115-29-7	106 @ 0.7mmHg	6.2x10-6	20	1.745 @ 20^0C		12/30/95	10/29/09	12/31/11
1205	Endothion	2778-04-3						12/08/02	05/28/09	12/31/11
1206	Endrin	72-20-8		3x10-6	20	1.7 @ 20^0C	11000	12/30/95	10/29/09	12/31/11
1207	Epibatidine	140111-52-0						07/09/97	10/29/09	12/31/11
1208	Epibromohydrin	3132-64-7	135			1.601		10/11/05	10/11/05	12/31/11
1209	**Epichlorohydrin**	**106-89-8**	117.9	16.4	25	1.175	23000	11/30/92	11/23/09	02/28/08
1210	Epinephrine; (Vasotonin; (R)-4-(1-Hydroxy-2-(methylamino)ethyl)-1,2-benzenediol)	51-43-4						06/13/02	02/05/08	12/31/11
1211	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	215 @ 5mm	0.126 mPa	25	1.268 @ 25C		12/08/02	04/21/10	12/31/11
1212	Epoxy resin (EPON 1001)	25068-38-6a						09/30/97	10/30/09	12/31/11
1213	Epoxy resin (EPON 1007)	25068-38-6b						09/30/97	10/30/09	12/31/11
1214	Epoxy resin (EPON 820)	25068-38-6c						09/30/97	10/30/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1215	Epoxy resin ERL-2795	25068-38-6d		mg/m^3		(C18H21ClO3)x	S	
1216	Epoxy resin, cured; (4,4'-(1-Methylethylidene)biscyclohexanol, polymer with (chloromethyl)oxirane)	30583-72-3		mg/m^3		(C18H33ClO3)x	S	
1217	Epoxy resin; (Bisphenol A-Bisphenol A diglycidyl ether polymer)	25036-25-3		mg/m^3		(C21.H24.O4.C15.H16.O2)x	S	
1218	Epoxy resin; (Epichlorhydrin, polymer with diethylene glycol)	25928-94-3		mg/m^3		(C7H15ClO4)x	S	
1219	**Epoxybutane, 1,2-; (1,2-Butylene oxide)**	**106-88-7**	72.12	ppm	2.95	C4H8O	L	-150
1220	Epoxyethyl)-7-oxabicyclo(4.1.0)heptane, 3-(; (Vinyl cyclohexene dioxide)	106-87-6	140.18	ppm	5.73	C8H12O2	L	< -55
1221	Erbium nitrate pentahydrate	10031-51-3	443.35	mg/m^3	18.12	Er.(N.O3)3.5(H2.O)	S	
1222	Erbium(III) nitrate	10168-80-6	353.29	mg/m^3	14.44	ErN3O9	S	
1223	Erbium(III) nitrate hexahydrate	13476-05-6	461.41	mg/m^3	18.86	ErH12N3O15	S	130 lose water
1224	Erbium(III) oxide	12061-16-4	382.52	mg/m^3	15.63	Er2.O3	S	2344
1225	Ergocalciferol; (Vitamin D2)	50-14-6	396.72	mg/m^3	16.21	C28.H44.O	S	115-118
1226	Ergotamine tartrate	379-79-3	1313.56	mg/m^3	53.69	C66.H70.N10.O10.C4.H6.O6	S	203 dec
1227	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7		mg/m^3		[Unknown]	S	
1228	Ethanaminium, N,N,N-triethyl-, iodide (1:1); (Tetraethylammoniumiodide; Ammonium, tetraethyl-, iodide)	68-05-3	257.19	mg/m^3	10.51	C8.H2.0.N.I	S	300 dec
1229	Ethane	74-84-0	30.08	ppm	1.23	C2.H6	G	-172
1230	Ethanedioic acid, dimethyl ester	553-90-2	118.089	mg/m^3	4.83	C4.H6.O4	S	54.8
1231	Ethanedithiol, 1,2-	540-63-6	94.2	ppm	3.85	C2.H6.S2	L	-41.2
1232	Ethanediyl)bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	182.28	mg/m^3	7.45	C14H14	S	52
1233	Ethanediylbis(N-(carboxymethyl)glycine), N,N'-1,2-, dipotassium salt	2001-94-7	368.46	mg/m^3	15.06	C10.H14.N2.O8.2K	S	
1234	Ethanediylbis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	214.2634	mg/m^3	8.76	C14.H14.O2	S	95
1235	**Ethanethiol; (Ethyl mercaptan)**	**75-08-1**	62.13	ppm	2.54	C2H6S	L	-147.88

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1215	Epoxy resin ERL-2795	25068-38-6d						09/30/97	10/30/09	12/31/11
1216	Epoxy resin, cured; (4,4'-(1-Methylethylidene)biscyclohexanol, polymer with (chloromethyl)oxirane)	30583-72-3						01/04/99	05/28/09	12/31/11
1217	Epoxy resin; (Bisphenol A-Bisphenol A diglycidyl ether polymer)	25036-25-3						07/11/07		12/31/11
1218	Epoxy resin; (Epichlorhydrin, polymer with diethylene glycol)	25928-94-3						09/30/97	12/20/11	12/31/11
1219	**Epoxybutane, 1,2-; (1,2-Butylene oxide)**	**106-88-7**	63.3	180	25	0.8312	17000	09/30/97	01/21/10	01/21/10
1220	Epoxyethyl)-7-oxabicyclo(4.1.0)heptane, 3-(; (Vinyl cyclohexene dioxide)	106-87-6	227	< 0.1	20	1.0966 @ 20^0C		10/11/05	10/11/05	12/31/11
1221	Erbium nitrate pentahydrate	10031-51-3						09/30/97	11/24/09	12/31/11
1222	Erbium(III) nitrate	10168-80-6						09/30/97	10/30/09	12/31/11
1223	Erbium(III) nitrate hexahydrate	13476-05-6						09/30/97	10/30/09	12/31/11
1224	Erbium(III) oxide	12061-16-4	3920			8.64		12/08/02	05/28/09	12/31/11
1225	Ergocalciferol; (Vitamin D2)	50-14-6						12/08/02	07/19/08	12/31/11
1226	Ergotamine tartrate	379-79-3						12/08/02	05/28/09	12/31/11
1227	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7				1.1-1.2		04/14/04	05/28/09	12/31/11
1228	Ethanaminium, N,N,N-triethyl-, iodide (1:1); (Tetraethylammoniumiodide; Ammonium, tetraethyl-, iodide)	68-05-3				1.559 @ 4C		10/11/05	06/16/10	12/31/11
1229	Ethane	74-84-0	-88.6	760		0.446 as liq	29000	06/13/02	05/28/09	12/31/11
1230	Ethanedioic acid, dimethyl ester	553-90-2	163.5			1.148		10/11/05	07/19/08	12/31/11
1231	Ethanedithiol, 1,2-	540-63-6	146	5.68	25	1.124		10/11/05	10/11/05	12/31/11
1232	Ethanediyl)bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	284			1.00		03/01/00		12/31/11
1233	Ethanediylbis(N-(carboxymethyl)glycine), N,N'-1,2-, dipotassium salt	2001-94-7						10/11/05	10/11/05	12/31/11
1234	Ethanediylbis(oxy))bisbenzene, 1,1'-(1,2-	104-66-5	182 @17mm					10/11/05	10/11/05	12/31/11
1235	**Ethanethiol; (Ethyl mercaptan)**	**75-08-1**	35	750	34.7	0.8315	28000	09/30/97	10/30/09	

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1236	Ethanol, titanium(4+) salt	3087-36-3	232.16	mg/m^3	9.49	4(C2.H6.O).Ti	L	
1237	Ethanolamine	141-43-5	61.08	ppm	2.50	C2H7NO	L	10.5
1238	Ethenylsilanetriol triacetate	4130-08-9	232.263	mg/m^3	9.49	C8.H12.O6.Si	L	7
1239	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	394.35	mg/m^3	16.12	C21H20BrN3	S	238-240
1240	Ethion	563-12-2	384.49	mg/m^3	15.71	C9.H22.O4.P2.S4	L	-13
1241	Ethoxyethanol, 2-	110-80-5	90.12	ppm	3.68	C4H10O2	L	-70
1242	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	134.2	ppm	5.48	C6H14O3	L	
1243	Ethoxyethyl methacrylate, 2-	2370-63-0	158.1968	mg/m^3	6.47	C8.H14.O3	S	
1244	Ethoxyethylacetate, 2-	111-15-9	132.16	ppm	5.40	C6H12O3	L	-61.7
1245	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-(; (Checkmate)	74051-80-2	327.53	mg/m^3	13.39	C17H29NO3S	S	
1246	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6		mg/m^3			S	44-48
1247	Ethoxylated alcohols, C7-C21	68991-48-0		mg/m^3		[Unspecified]		
1248	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9		mg/m^3		(C2H4O)n (C15H24O)		42-43
1249	Ethyl (or dimethyl) pyrrolidine	z-0020	99	mg/m^3	4.05	[Unspecified]		
1250	Ethyl acetate	141-78-6	88.11	ppm	3.60	C4H8O2	L	-83.8
1251	Ethyl acetoacetate	141-97-9	130.16	mg/m^3	5.32	C6.H10.O3	L	-45
1252	**Ethyl acrylate**	**140-88-5**	100.12	ppm	4.09	C5H8O2	L	-71.2
1253	**Ethyl alcohol; (Ethanol)**	**64-17-5**	46.07	ppm	1.88	C2H6O	L	-114.14
1254	Ethyl alcohol-d; (Ethanol-d)	925-93-9	47.07	ppm	1.92	C2H5OD	L	
1255	**Ethyl benzene**	**100-41-4**	106.18	ppm	4.34	C8H10	L	-94.9
1256	Ethyl benzoate	93-89-0	150.19	mg/m^3	6.14	C9.H10.O2	L	-34.6
1257	Ethyl bromoacetate	105-36-2	167.02	ppm	6.83	C4.H7.Br.O2	L	<-20

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1236	Ethanol, titanium(4+) salt	3087-36-3						10/11/05	05/28/09	12/31/11
1237	Ethanolamine	141-43-5	171	0.75	35	1.0180 @ 20^0C	25000	11/30/92	04/22/10	12/31/11
1238	Ethenylsilanetriol triacetate	4130-08-9	112 @13mm			1.16		10/11/05	05/28/09	12/31/11
1239	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8						01/04/99		12/31/11
1240	Ethion	563-12-2	165 @ 0.3mm			1.31 @ 20C		12/08/02	05/28/09	12/31/11
1241	Ethoxyethanol, 2-	110-80-5	135	7.5	30	0.9253	17000	12/30/95	01/17/12	01/17/12
1242	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	201.9			0.986	12000	01/04/99		12/31/11
1243	Ethoxyethyl methacrylate, 2-	2370-63-0						10/11/05	10/11/05	12/31/11
1244	Ethoxyethylacetate, 2-	111-15-9	156.4	0.75	14	0.9740 @ 20^0C	13000	09/30/97	01/24/12	02/17/12
1245	Ethoxyimino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-(; (Checkmate)	74051-80-2						03/01/00		12/31/11
1246	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6				1.02		07/11/07	05/28/09	12/31/11
1247	Ethoxylated alcohols, C7-C21	68991-48-0						07/09/97	11/09/09	12/31/11
1248	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9						09/30/97	11/09/09	12/31/11
1249	Ethyl (or dimethyl) pyrrolidine	z-0020						12/08/02	05/28/09	
1250	Ethyl acetate	141-78-6	77.11	75	20.4	0.9003 @ 20^0C	20000	12/30/95	11/09/09	12/31/11
1251	Ethyl acetoacetate	141-97-9	180.8	0.78	25	1.0282 @ 20C	14000	10/11/05	10/11/05	12/31/11
1252	**Ethyl acrylate**	**140-88-5**	99.4	75	38.5	0.9234 @ 20^0C	14000	09/30/97	11/09/09	
1253	**Ethyl alcohol; (Ethanol)**	**64-17-5**	78.29	75	29.2	0.7893 @ 20^0C	33000	08/21/96	06/23/10	12/31/11
1254	Ethyl alcohol-d; (Ethanol-d)	925-93-9	78.29					07/11/07	05/28/09	12/31/11
1255	**Ethyl benzene**	**100-41-4**	136.2	10	26	0.8669	8000	12/30/95	05/28/09	
1256	Ethyl benzoate	93-89-0	213.4	1	44	1.048 @ 20C		07/11/07		12/31/11
1257	Ethyl bromoacetate	105-36-2	158.8	2.6	25	1.5032 @ 20C		07/11/07		12/31/11

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1258	Ethyl butyl ketone; (3-Heptanone)	106-35-4	114.21	ppm	4.67	C7.H14.O	L	-36.7
1259	Ethyl cellulose	9004-57-3		mg/m^3		[Unknown]	S	240-255
1260	Ethyl chloride; (Chloroethane)	75-00-3	64.51	ppm	2.64	C2H5Cl	L or G	-138.4
1261	Ethyl chloroacetate	105-39-5	122.56	ppm	5.01	C4.H7.Cl.O2	L	-27
1262	**Ethyl chloroformate**	**541-41-3**	108.53	ppm	4.44	C3.H5.Cl.O2	L/S	-80.6
1263	**Ethyl dimethylamido-cyanophosphate; (Tabun; GA)**	**77-81-6**	162.15	ppm	6.63	C5H11N2O2P	L	-49.4
1264	Ethyl ether	60-29-7	74.12	ppm	3.03	C4H10O	L	-116.2
1265	Ethyl formate	109-94-4	74.09	ppm	3.03	C3.H6.O2	L	-79
1266	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	144.21	mg/m^3	5.89	C8H16O2	L	
1267	**Ethyl isocyanate**	**109-90-0**	71.078	ppm	2.91	C3.H5.N.O	L	
1268	Ethyl lactate; (Ethyl (S)-(-)-lactate)	687-47-8	118.13	mg/m^3	4.83	C5.H10.O3	L/S	25
1269	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	265.1	mg/m^3	10.84	C2H5ClHg	S	192
1270	Ethyl methacrylate; (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	114.16	ppm	4.67	C6.H10.O2	L	<-75
1271	Ethyl nitrite	109-95-5	75.08	ppm	3.07	C2.H5.N.O3	L	-50
1272	Ethyl O-2-diisopropylaminoethylmethylphosphonite, O-; (QL)	57856-11-8	235.30566	mg/m^3	9.62	C11.H26.N.O2.P		
1273	Ethyl propionate	105-37-3	102.15	ppm	4.18	C5.H10.O2	L	-72.6
1274	Ethyl S,S-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	242.34	mg/m^3	9.90	C8H19O2PS2	L	-13
1275	Ethyl sec-amyl ketone; (5-Methyl-3-heptanone)	541-85-5	128.24	ppm	5.24	C8.H16.O	L	-23
1276	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	106.0536	mg/m^3	4.33	C2.H6.O3.Si	S	
1277	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	146.26	ppm	5.98	C8.H18.O2	L	-40
1278	**Ethyl-1-hexanol, 2-**	**104-76-7**	130.26	ppm	5.32	C8H18O	L	<76

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1258	Ethyl butyl ketone; (3-Heptanone)	106-35-4	149-152			0.8198 @ 20C	14000	12/08/02	05/28/09	12/31/11
1259	Ethyl cellulose	9004-57-3				1,07-1.18		10/11/05	06/30/08	12/31/11
1260	Ethyl chloride; (Chloroethane)	75-00-3	12.3	750	12	0.9239 @ 0^0C	36000	12/30/95	04/22/10	12/31/11
1261	Ethyl chloroacetate	105-39-5	144	10	37.5	1.145		07/11/07	02/28/08	12/31/11
1262	**Ethyl chloroformate**	**541-41-3**	94	22.4	25	1.1442 @ 15C		06/13/02	05/28/09	12/31/07
1263	**Ethyl dimethylamido-cyanophosphate; (Tabun; GA)**	**77-81-6**	238 dec	0.07	25	1.073		01/10/01	05/28/09	10/11/05
1264	Ethyl ether	60-29-7	34.5	750	34.1	0.7138 @ 20^0C	17000	12/30/95	02/17/12	02/17/12
1265	Ethyl formate	109-94-4	54.3	100	5.4	0.9236 @ 20C	28000	07/11/07	05/28/09	12/31/11
1266	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	228	7.5	108	0.9031	8000	09/30/97	11/09/09	12/31/11
1267	**Ethyl isocyanate**	**109-90-0**	60	200	25	0.9031		01/22/10		12/31/11
1268	Ethyl lactate; (Ethyl (S)-(-)-lactate)	687-47-8	154	3.75	25	1.042	15000	07/11/07	04/13/09	12/31/11
1269	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7						09/30/97	05/28/09	12/31/11
1270	Ethyl methacrylate; (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	119	20.59	20	0.911	18000	06/13/02		12/31/11
1271	Ethyl nitrite	109-95-5	17			0.900 @ 15.5C	30000	12/08/02		12/31/11
1272	Ethyl O-2-diisopropylaminoethylmethylphosphonite, O-; (QL)	57856-11-8						10/11/05	05/28/09	12/31/11
1273	Ethyl propionate	105-37-3	99	40	27.2	0.891 @ 20C	18000	04/14/04		12/31/11
1274	Ethyl S,S-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	86-91 @ 0.2 mm	3.80E-04	25	1.094@ 20		08/07/98	05/28/09	12/31/11
1275	Ethyl sec-amyl ketone; (5-Methyl-3-heptanone)	541-85-5	168	2	20	0.822 @ 20C		12/08/02	05/28/09	12/31/11
1276	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2						07/11/07	05/28/09	12/31/11
1277	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	243.1	<0.01	20	0.9422 @ 20C		07/11/07		12/31/11
1278	**Ethyl-1-hexanol, 2-**	**104-76-7**	184-185	0.2	20	0.834	8800	01/04/99	12/08/09	12/08/09

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1279	Ethyl-2-methylheptane, 3-	14676-29-0	142.2838	ppm	5.82	C.C.(C.H3).C.(C2.H5).C.C.C.C	L	
1280	Ethyl-2-methyloctane, 6-	62016-19-7	156.31	ppm	6.39	C11.H24	L	
1281	Ethyl-2-oxazoline, 2-	10431-98-8	99.13	ppm	4.05	C5.H9.N.O.	L	-62
1282	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid ethyl ester)	120-47-8	166.19	mg/m^3	6.79	C9.H10.O3	S	116
1283	Ethyl-5-methylheptane, 3-	52896-90-9	142.28	ppm	5.82	C10.H22	L	
1284	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3	266.34	mg/m^3	10.89	C16H19NaO2	S (?)	
1285	**Ethylamine; (Monoethylamine; Ethylamine anhydrous)**	**75-04-7**	45.1	ppm	1.84	C2.H7.N	L	-80.6
1286	Ethylbenzaldehyde, 2-	22927-13-5	134.1774	ppm	5.48	C9.H100	S	
1287	**Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine; Nitrogen mustard-1)**	**538-07-8**	170.1	mg/m^3	6.95	C6.H13.Cl2.N	L	-34
1288	**Ethylchlorothioformate**	**2941-64-2**	132.56	ppm	5.42	C3.H5.Cl.O.S	L	
1289	**Ethyldichloroarsine; (Dichloroethylarsine)**	**598-14-1**	174.89	mg/m^3	7.15	C2.H5.As.Cl2	L	-65
1290	Ethylene	74-85-1	28.05	ppm	1.15	C2H4	G	-169.15
1291	**Ethylene chlorohydrin; (2-Chloroethanol)**	**107-07-3**	80.52	ppm	3.29	C2H5ClO	L	-69
1292	**Ethylene dibromide; (Dibromoethane)**	**106-93-4**	187.86	ppm	7.68	C2H2Br2	L	9.84
1293	**Ethylene dichloride; (1,2-Dichloroethane)**	**107-06-2**	98.96	ppm	4.04	C2H4Cl2	L	-35.7
1294	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	64.07	ppm	2.62	C2.H5.F.O	L	-26.45
1295	Ethylene glycol	107-21-1	62.08	ppm	2.54	C2H6O2	L	-12.69
1296	Ethylene glycol diacetate	111-55-7	146.16	mg/m^3	5.97	C6.H10.O4	L	-31
1297	Ethylene glycol dimethacrylate	97-90-5	198.1	mg/m^3	8.10	C10.H14.O4	L	-40
1298	Ethylene glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	118.15	ppm	4.83	C5.H10.O3	L	-70
1299	Ethylene glycol monomethyl ether; (2-Methoxyethanol; EGME; Methyl Cellosolve(R))	109-86-4	76.11	ppm	3.11	C3H8O2	L	-86.5

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1279	Ethyl-2-methylheptane, 3-	14676-29-0	163			0.7398	7100	06/13/02	12/22/11	12/22/11
1280	Ethyl-2-methyloctane, 6-	62016-19-7						12/08/02	12/22/11	12/22/11
1281	Ethyl-2-oxazoline, 2-	10431-98-8	128.4			0.982		07/11/07		12/31/11
1282	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid ethyl ester)	120-47-8	297-298					07/11/07		12/31/11
1283	Ethyl-5-methylheptane, 3-	52896-90-9					7000	12/08/02	12/22/11	12/22/11
1284	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3						09/30/97	11/09/09	12/31/11
1285	**Ethylamine; (Monoethylamine; Ethylamine anhydrous)**	**75-04-7**	16.6	400	20	0.662 @ 20C	35000	06/13/02	05/28/09	08/17/07
1286	Ethylbenzaldehyde, 2-	22927-13-5	83 @ 1 mmHg			0.979	10000	06/13/02		12/31/11
1287	**Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine; Nitrogen mustard-1)**	**538-07-8**	194 dec	0.25	25	1.09		12/08/02	05/28/09	12/31/11
1288	**Ethylchlorothioformate**	**2941-64-2**	132			1.195		09/05/08	05/28/09	12/31/11
1289	**Ethyldichloroarsine; (Dichloroethylarsine)**	**598-14-1**	156 dfc	2.29	21.5	1.742 @ 14C		09/05/08	04/22/10	04/22/10
1290	Ethylene	74-85-1	-103.77	5.12E+4	25	0.61	27000	08/07/98	02/17/12	02/17/12
1291	**Ethylene chlorohydrin; (2-Chloroethanol)**	**107-07-3**	128.8	10	30.3	1.197 @ 20C/4C	49000	03/01/00	05/28/09	
1292	**Ethylene dibromide; (Dibromoethane)**	**106-93-4**	131.6	7.5	18	2.1683		12/30/95	01/22/10	
1293	**Ethylene dichloride; (1,2-Dichloroethane)**	**107-06-2**	83.5	75	23.7	1.2454	62000	12/30/95	04/22/10	11/10/09
1294	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	103.5	21.25	25	1.1040 @ 20C		12/08/02	05/28/08	12/31/11
1295	Ethylene glycol	107-21-1	197.3	7.5x10-2	24	1.1135 @ 20^0C	32000	11/30/92	11/10/09	08/17/07
1296	Ethylene glycol diacetate	111-55-7	190-191	0.0774	25	1.104	16000	07/11/07		12/31/11
1297	Ethylene glycol dimethacrylate	97-90-5	260			1.055 @ 20C		10/11/05	10/11/05	12/31/11
1298	Ethylene glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	143	2	20	1.005 @ 20C	17000	07/11/07	01/10/12	01/10/12
1299	Ethylene glycol monomethyl ether; (2-Methoxyethanol; EGME; Methyl Cellosolve(R))	109-86-4	124.5	6.2	20	0.966	18000	08/07/98	01/25/12	01/10/12

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1300	Ethylene glycol monopropyl ether; (Propyl cellosolve; Ektasolve EP)	2807-30-9	104.15	ppm	4.26	C5H12O2	L	
1301	Ethylene glycol mono-sec-butyl ether	7795-91-7	118.2	mg/m^3	4.83	C6H14O2	S (?)	
1302	**Ethylene oxide; (Oxirane)**	**75-21-8**	44.05	ppm	1.80	C2H4O	L or G	-112.5
1303	Ethylene/vinyl acetate copolmer	24937-78-8		mg/m^3		(C4.H6.O2.C2.H4)x	S	100
1304	Ethylenediamine dihydrochloride	333-18-6	133.04	mg/m^3	5.44	C2.H8.N2.2(Cl.H)	S	subl.
1305	**Ethylenediamine, 1,2-**	**107-15-3**	60.12	ppm	2.46	C2H8N2	L	8.5
1306	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	336.24	mg/m^3	13.74	C10H14N2Na2O8	S	
1307	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	372.28	mg/m^3	15.22	C10.H14.N2.O8. 2Na 2(H2.O)	S	248 dec
1308	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	362.099	mg/m^3	14.80	C10H16FeN3O8	S	
1309	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	416.2	mg/m^3	17.01	C10.H12.N2.O8.4Na.2(H2.O)	S	
1310	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)	64-02-8	380.2	mg/m^3	15.54	C10H12N2Na4O8	S	220
1311	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	292.24	mg/m^3	11.94	C10H16N2O8	S	245 dec
1312	Ethylenedinitrilo)tetra-2-propanol, 1,1',1'',1'''-(	102-60-3	292.43	mg/m^3	11.95	C14H32N2O4	L	
1313	**Ethyleneimine**	**151-56-4**	43.07	ppm	1.76	C2H5N	L	-77.9
1314	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	102.16	mg/m^3	4.18	C3H6N2S	S	203
1315	Ethylheptane, 4-	2216-32-2	128.26	ppm	5.24	C9.H20	L	
1316	Ethylhexyl acrylate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	184.31	ppm	7.53	C11.H20.O2	L	-90
1317	Ethylhexyl bromide, 2-	18908-66-2	193.1962	mg/m^3	7.90	C8.H17.Br	L	69.44
1318	**Ethylhexylchloroformate, 2-**	**24468-13-1**	192.71	ppm	7.88	C9.H17.Cl.O2	L	
1319	Ethylhexyloxy)ethanol, 2-(2-	1559-35-9	174.32	mg/m^3	7.12	C10.H22.O2	L	
1320	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	98.96	ppm	4.04	C2H4Cl2	L	-96.9
1321	**Ethylidene norbornene**	**16219-75-3**	120.19	ppm	4.91	C9.H12	L	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1300	Ethylene glycol monopropyl ether; (Propyl cellosolve; Ektasolve EP)	2807-30-9	149.8	7.5	40	0.9112 @ 20^0C	13000	09/30/97	11/10/09	12/31/11
1301	Ethylene glycol mono-sec-butyl ether	7795-91-7						09/30/97	11/10/09	12/31/11
1302	**Ethylene oxide; (Oxirane)**	**75-21-8**	10.6	750	10.2	0.8821 @ 10^0C	30000	10/31/92	11/10/09	12/06/07
1303	Ethylene/vinyl acetate copolmer	24937-78-8				1.07		10/11/05	05/28/09	12/31/11
1304	Ethylenediamine dihydrochloride	333-18-6						10/11/05	07/18/08	12/31/11
1305	**Ethylenediamine, 1,2-**	**107-15-3**	117.2	10.7	20	0.8994	25000	01/04/99	05/28/09	10/11/05
1306	Ethylenediaminetetraacetic acid, disodium salt	139-33-3						08/07/98		12/31/11
1307	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6						04/14/04	05/28/09	12/31/11
1308	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9						03/01/00		12/31/11
1309	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1						04/14/04		12/31/11
1310	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)	64-02-8	240 dec					07/09/97	11/10/09	12/31/11
1311	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4						07/09/97	11/10/09	12/31/11
1312	Ethylenedinitrilo)tetra-2-propanol, 1,1',1'',1'''-(	102-60-3	190			1.03		10/11/05	02/17/12	02/17/12
1313	**Ethyleneimine**	**151-56-4**	56	75	4.1	0.832	33000	12/30/95	11/09/09	04/02/09
1314	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7						12/30/95	01/22/12	02/17/12
1315	Ethylheptane, 4-	2216-32-2	141.2			0.7241	8000	06/13/02		12/31/11
1316	Ethylhexyl acrylate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	214-218	1	50	0.8869 @ 20C	8000	04/14/04	02/17/12	02/17/12
1317	Ethylhexyl bromide, 2-	18908-66-2	75-77 @ 16 mm			1.086		10/11/05	05/28/09	12/31/11
1318	**Ethylhexylchloroformate, 2-**	**24468-13-1**	106					09/05/08	05/28/09	12/31/11
1319	Ethylhexyloxy)ethanol, 2-(2-	1559-35-9	227.7					08/17/07		12/31/11
1320	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	57.3	75	1	1.757 @ 20^0C	54000	12/30/95	11/24/09	12/31/11
1321	**Ethylidene norbornene**	**16219-75-3**	70.2-70.4 @ 58 mm				9000	04/14/04	05/28/09	08/16/07

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1322	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	88.82	mg/m^3	3.63	C2.H5.Cl.Mg	S	
1323	**Ethylphosphorodichloridate**	**1498-51-7**	162.94	ppm	6.66	C2.H5.Cl2.O2.P	L	
1324	**Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)**	**50782-69-9**	267.41	ppm	10.93	C11H26NO2PS	L?	
1325	Ethylthiocyanate	542-90-5	87.15	mg/m^3	3.56	C3.H5.N.S	L	-85.5
1326	Ethyltoluene, o-	611-14-3	120.21	mg/m^3	4.91	C9H12	L	
1327	Ethyltoluene, p-	622-96-8	120.21	mg/m^3	4.91	C9H12	L	-62.4
1328	Europium	7440-53-1	151.96	mg/m^3	6.21	Eu	S	826
1329	Europium nitrate; (Europium trinitrate)	10138-01-9	337.99	mg/m^3	13.81	EuN3O9	S	
1330	Europium oxide	1308-96-9	351.928	mg/m^3	14.38	Eu2.O3	S	2350
1331	Europium(II) iodide	22015-35-6	405.77	mg/m^3	16.58	Eu.I2	S	580
1332	Farnesol	4602-84-0	222.41	mg/m^3	9.09	C15.H26.O	L	
1333	Fatty acids, tall-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	66070-62-0		mg/m^3		[Unknown]		
1334	Fenamiphos	22224-92-6	303.39	mg/m^3	12.40	C13.H22.N.O3.P.S	S	49.2
1335	Fensulfothion	115-90-2	308.37	mg/m^3	12.60	C11.H17.O4.P.S2	L	
1336	Fenthion	55-38-9	278.34	mg/m^3	11.38	C10.H15.O3.P.S2	L	7
1337	Ferric ammonium citrate	1185-57-5	709.44	mg/m^3	29.00	C6.H8.O7.xFe.xH4.N	S	
1338	Ferric ammonium sulfate dodecahydrate	7783-83-7	482.26	mg/m^3	19.71	Fe.N.H4.2(S.O4).12(H2.O)	S	39-41
1339	Ferric ammonium sulfate; (Sulfuric acid, ammonium iron(3e+) salt (2:1:1))	10138-04-2	269.02	mg/m^3	11.00	Fe.N.H3.2(H2.S.O4)	S	
1340	Ferric chloride	7705-08-0	162.2	mg/m^3	6.63	Cl3Fe	S plates	307.6
1341	Ferric chloride hexahydrate	10025-77-1	270.32	mg/m^3	11.05	Cl3FeH12O6	S	37
1342	Ferric fluoride	7783-50-8	112.85	mg/m^3	4.61	Fe.F3	S	1000

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1322	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3				0.978		07/11/07	05/28/09	12/31/11
1323	**Ethylphosphorodichloridate**	**1498-51-7**	167			1.35 @ 19ºC		01/22/10		12/31/11
1324	**Ethyl-S-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)**	**50782-69-9**						01/04/99	05/28/09	08/16/07
1325	Ethylthiocyanate	542-90-5	145	4	25	1.020 @ 16ºC		12/08/02	05/28/09	12/31/11
1326	Ethyltoluene, o-	611-14-3	164.1			0.88		01/04/99	10/11/05	12/31/11
1327	Ethyltoluene, p-	622-96-8	162.2					01/04/99		12/31/11
1328	Europium	7440-53-1	1489			5.24		01/04/99	05/28/09	12/31/11
1329	Europium nitrate; (Europium trinitrate)	10138-01-9						09/30/97	11/10/09	12/31/11
1330	Europium oxide	1308-96-9				7.42		12/08/02		12/31/11
1331	Europium(II) iodide	22015-35-6						07/11/07	05/28/09	12/31/11
1332	Farnesol	4602-84-0	110 - 113			0.8871 @ 20C		07/11/07		12/31/11
1333	Fatty acids, tall-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	66070-62-0						09/30/97	11/10/09	12/31/11
1334	Fenamiphos	22224-92-6	450	0.000001	25	1.15 @ 20C		12/08/02	05/28/09	12/31/11
1335	Fensulfothion	115-90-2	440	0.00005	25	1.202 @ 20C		12/08/02	05/28/09	12/31/11
1336	Fenthion	55-38-9	87 @ 0.01 mm	4 mPa	20	1.25		07/11/07	05/28/09	12/31/11
1337	Ferric ammonium citrate	1185-57-5				1.8 @ 20C		06/13/02	05/30/09	12/31/11
1338	Ferric ammonium sulfate dodecahydrate	7783-83-7				1.71		04/14/04	05/28/09	12/31/11
1339	Ferric ammonium sulfate; (Sulfuric acid, ammonium iron(3e+) salt (2:1:1))	10138-04-2						08/07/98	05/29/09	12/31/11
1340	Ferric chloride	7705-08-0	~ 316	1	194	2.9		07/09/97	01/03/12	01/03/12
1341	Ferric chloride hexahydrate	10025-77-1				1.82		01/04/99	04/22/10	12/31/11
1342	Ferric fluoride	7783-50-8				3.52		06/13/02	04/22/10	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1343	Ferric hydroxide; (Iron(III) hydroxide)	1309-33-7	106.87	mg/m^3	4.37	FeH3O3	S	500
1344	Ferric nitrate	10421-48-4	241.86	mg/m^3	9.89	FeN3O9	S	35
1345	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	404.06	mg/m^3	16.51	N3.O9.Fe.9(H2.O)	S deliq	47.2
1346	Ferric phosphate	10045-86-0	150.82	mg/m^3	6.16	FeO4P	S	
1347	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	399.88	mg/m^3	16.34	Fe2O12S3	S	480 dec
1348	Ferrous ammonium sulfate	10045-89-3	284.07	mg/m^3	11.61	FeH8N2O8S2	S	100-110
1349	Ferrous carbonate	563-71-3	115.86	mg/m^3	4.74	FeCO3	S	dec
1350	Ferrous chloride	7758-94-3	126.75	mg/m^3	5.18	Cl2Fe	S hygr	676
1351	Ferrous disulfide; (Iron disulfide)	12068-85-8	119.97	mg/m^3	4.90	FeS2	S	>600
1352	Ferrous hydroxide; (Iron(II) hydroxide)	18624-44-7	89.86	mg/m^3	3.67	FeH2O2	S	140 dec
1353	Ferrous Oxalate; (Iron(II) oxalate)	516-03-0	143.87	mg/m3	5.88	C.Fe.O4	S	
1354	Ferrous sulfamate	14017-39-1	155.96	mg/m^3	6.37	FeH6N2O6S2	S	
1355	Ferrous sulfate	7720-78-7	151.91	mg/m^3	6.21	FeO4S	S	
1356	Ferrous sulfate heptahydrate	7782-63-0	278.01	mg/m^3	11.36	FeH14O11S	S	~ 60 dec
1357	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3		mg/m^3		[Unspecified]	S	
1358	Fluenetil	4301-50-2	258.31	mg/m^3	10.56	C16.H15.F.O2	S	
1359	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	87.82	mg/m^3	3.59	B.F4.H	L	
1360	Fluoranthene	206-44-0	202.25	mg/m^3	8.27	C16H10	S	110.19
1361	Fluorene, 9H-	86-73-7	166.22	mg/m^3	6.79	C13H10	S	114.77
1362	Fluorides (as F)	16984-48-8	18.9984	mg/m^3	0.78	F	S	
1363	**Fluorine**	**7782-41-4**	38	ppm	1.55	F2	G	-219.4 triple point
1364	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	141.1	mg/m^3	5.77	F.C6.H4.N.O2	S	27

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1343	Ferric hydroxide; (Iron(III) hydroxide)	1309-33-7	dec			3.65		01/10/01	05/30/09	12/31/11
1344	Ferric nitrate	10421-48-4				1.68 @ 21^{0}C		08/21/96	11/24/09	12/31/11
1345	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	decomp			1.68 @ 21C		06/13/02	04/22/10	12/31/11
1346	Ferric phosphate	10045-86-0				2.87		01/04/99	05/31/09	12/31/11
1347	Ferric sulfate; (Iron(III) sulfate)	10028-22-5				3.1		12/30/95	06/28/10	12/31/11
1348	Ferrous ammonium sulfate	10045-89-3				1.865		08/07/98	05/31/09	12/31/11
1349	Ferrous carbonate	563-71-3				3.9		10/11/05	05/31/09	12/31/11
1350	Ferrous chloride	7758-94-3	1012	10	700	3.16		08/07/98	04/22/10	12/31/11
1351	Ferrous disulfide; (Iron disulfide)	12068-85-8				5.2		08/07/98	06/28/10	12/31/11
1352	Ferrous hydroxide; (Iron(II) hydroxide)	18624-44-7				3.4		09/30/97	11/10/09	12/31/11
1353	Ferrous Oxalate; (Iron(II) oxalate)	516-03-0						07/22/10		12/31/11
1354	Ferrous sulfamate	14017-39-1						08/07/98	05/31/09	12/31/11
1355	Ferrous sulfate	7720-78-7				3.65		08/21/96	11/10/09	12/31/11
1356	Ferrous sulfate heptahydrate	7782-63-0				1.895		12/30/95	11/10/09	12/31/11
1357	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3						09/30/97	01/24/12	01/24/12
1358	Fluenetil	4301-50-2		0.0000025	25			12/08/02	05/31/09	12/31/11
1359	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	130 dec			1.84		04/14/04	05/31/09	12/31/11
1360	Fluoranthene	206-44-0	384	9.22x10-6	25	1.252 @ 0^{0}C		09/30/97	11/10/09	12/31/11
1361	Fluorene, 9H-	86-73-7	295	7.5	137.4	1.203 @ 0^{0}C		09/30/97	11/10/09	12/31/11
1362	Fluorides (as F)	16984-48-8						08/07/98	05/31/09	12/31/11
1363	**Fluorine**	**7782-41-4**	-188.12	750	-188.3	1.553		11/30/92	06/23/10	
1364	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	206-207			1.338		10/11/05		12/31/11

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1365	Fluoro-4-nitrophenol, 2-	403-19-0	157.1	mg/m^3	6.42	C6.H4.F.N.O3	S	120-122
1366	Fluoro-6-nitrophenol, 2-	1526-17-6	157.1	mg/m^3	6.42	C6.H4.F.N.O3		
1367	Fluoroacetamide	640-19-7	77.07	mg/m^3	3.15	C2.H4.F.N.O	S	107-109
1368	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	100.03	mg/m^3	4.09	C2.H2.F.O2.Na	S	200
1369	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	78.05	mg/m^3	3.19	C2.H3.F.O2	S	35.3
1370	Fluoroacetyl chloride	359-06-8	96.49	mg/m^3	3.94	C2.H2.Cl.F.O	L	
1371	Fluoroaniline, p-	371-40-4	111.13	mg/m^3	4.54	C6.H6.F.N	L	-1.9
1372	Fluorobenzene	462-06-6	96.11	mg/m^3	3.93	C6.H5.F	L	-40
1373	**Fluorosulfonic acid; (Fluorosulfuric acid)**	**7789-21-1**	100.07	mg/m^3	4.09	F.H.O3.S	L	-89
1374	Fluorotrimethylsilane	420-56-4	92	ppm	3.76	C3H9FSi	L	
1375	Fluorouracil	51-21-8	130.09	mg/m^3	5.32	C4.H3.F.N2.O2	S	282-283
1376	Fonofos	944-22-9	246.34	mg/m^3	10.07	C10.H15.O.P.S2	L	
1377	Food Red 15; (FD&C Red No. 19)	81-88-9	479.06	mg/m^3	19.58	C28.H31.N2.O3.Cl	S	
1378	Forane	26675-46-7	184.5	ppm	7.54	C3.H2.Cl.F5.O		
1379	**Formaldehyde**	**50-00-0**	30.03	ppm	1.23	CH2O	G	-92
1380	Formaldehyde cyanohydrin; (Hydroxyacetonitrile; Glycolonitrile)	107-16-4	57.06	ppm	2.33	C2.H3.N.O	L	<-72
1381	Formamide	75-12-7	45.05	ppm	1.84	CH3NO	L	2.5
1382	Formetanate hydrochloride	23422-53-9	257.72	mg/m^3	10.53	C11H15N3O2ClH	S powder	201 dec
1383	**Formic acid**	**64-18-6**	46.03	ppm	1.88	CH2O2	L	8.3
1384	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	86.1	mg/m^3	3.52	C4.H6.O2	L	
1385	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	102.15	ppm	4.18	C5-H10-O2	L	-90
1386	Formothion	2540-82-1	257.27	mg/m^3	10.51	C6H12NO4PS2	L	25.5

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1365	Fluoro-4-nitrophenol, 2-	403-19-0						12/08/02	05/31/09	
1366	Fluoro-6-nitrophenol, 2-	1526-17-6						12/08/02	05/31/09	
1367	Fluoroacetamide	640-19-7	250	0.001	25			12/08/02	05/31/09	12/31/11
1368	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8						06/13/02	05/31/09	12/31/11
1369	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	167-168	1.9	25	1.393 @ 36C		12/08/02	05/31/09	12/31/11
1370	Fluoroacetyl chloride	359-06-8	73	80	25			12/08/02	05/31/09	12/31/11
1371	Fluoroaniline, p-	371-40-4	188	1	25	1.1725 @ 20C		07/11/07		12/31/11
1372	Fluorobenzene	462-06-6	85.2			1.024		04/14/04		12/31/11
1373	**Fluorosulfonic acid; (Fluorosulfuric acid)**	**7789-21-1**	163			1.726		09/05/08	04/22/10	
1374	Fluorotrimethylsilane	420-56-4					20950	03/01/00		12/31/11
1375	Fluorouracil	51-21-8	361	0.00001	25			06/13/02	05/31/09	12/31/11
1376	Fonofos	944-22-9	380	0.00021	25	1.16		12/08/02	05/31/09	12/31/11
1377	Food Red 15; (FD&C Red No. 19)	81-88-9						06/13/02		12/31/11
1378	Forane	26675-46-7						10/11/05		12/31/11
1379	**Formaldehyde**	**50-00-0**	-19.1	750	-19.3	0.815 @ -20^{0}C	70000	11/30/92	11/11/09	
1380	Formaldehyde cyanohydrin; (Hydroxyacetonitrile; Glycolonitrile)	107-16-4	183	1.8	25	1.1		12/08/02	05/31/09	12/31/11
1381	Formamide	75-12-7	70.5	29.7	129.4	1.134	27000	01/04/99	05/31/09	12/31/11
1382	Formetanate hydrochloride	23422-53-9		0.027 mPa	25			12/08/02	05/31/09	12/31/11
1383	**Formic acid**	**64-18-6**	101	75	37	1.220 @ 20^{0}C	120000	10/31/92	06/23/10	06/23/10
1384	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	83			0.948 @ 18C		12/08/02		12/31/11
1385	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	106	40	31.6	0.911	17000	12/08/02		12/31/11
1386	Formothion	2540-82-1		0.0000085	30	1.361 @ 20C		12/08/02	01/24/12	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1387	Formparanate	17702-57-7	235.32	mg/m^3	9.62	C12.H17.N3.O2	S	
1388	Formylpiperidine, 1-	2591-86-8	113.18	ppm	4.63	C6.H11.N.O.	L	-30.8
1389	Fosthietan	21548-32-3	241.28	mg/m^3	9.86	C6.H12.N.O3.P.S2	L	
1390	Fuberidazole	3878-19-1	184.21	mg/m^3	7.53	C11H8N2O	S	286
1391	Fuel oil, residual	68476-33-5		mg/m^3		[Unspecified]	L	
1392	Fulminic acid; (Carbyloxime)	506-85-4	43.02	ppm	1.76	CHNO	L unstabl	
1393	Fumaric acid	110-17-8	116.08	mg/m^3	4.74	C4.H4.O4	S	300-302
1394	**Furan**	**110-00-9**	68.07	ppm	2.78	C4H4O	L	-85.61
1395	**Furancarboxaldehyde, 2-; (Furfural)**	**98-01-1**	96.09	ppm	3.93	C5H4O2	L	-38.1
1396	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	140.14	ppm	5.73	C7H8O3	S	34.5
1397	Furfuryl alcohol	98-00-0	98.1	ppm	4.01	C5H6O2	L	-14.6
1398	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	466.58	mg/m^3	19.07	C24H34O9	S	151-152
1399	Gadolinium	7440-54-2	157.25	mg/m^3	6.43	Gd	S	1312
1400	Gadolinium chloride hexahydrate	13450-84-5	371.72	mg/m^3	15.19	Gd.Cl3.6(H2.O)	S	
1401	Gadolinium hydroxide	16469-18-4	208.27	mg/m^3	8.51	Gd.(O.H)3	S	
1402	Gadolinium nitrate, solid	10168-81-7	343.28	mg/m^3	14.03	GdN3O9	S	
1403	Gadolinium nitrite	z-0022	295.25	mg/m^3	12.07	Gd.(N.O2)3	S	
1404	Gadolinium(III) oxide	12064-62-9	362.4982	mg/m^3	14.82	Gd2.O3	S hygr	2339
1405	Gallic acid monohydrate	5995-86-8	188.1366	mg/m^3	7.69	C7.H8.O6	S	251
1406	Gallium	7440-55-3	69.72	mg/m^3	2.85	Ga	S	29.78
1407	Gallium oxide	12024-21-4	187.44	mg/m^3	7.66	Ga2O3	S	1900
1408	Gallium trichloride	13450-90-3	176.07	mg/m^3	7.20	Ga.Cl3	S/L	78

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1387	Formparanate	17702-57-7	385	0.0000025	25			12/08/02	05/31/09	12/31/11
1388	Formylpiperidine, 1-	2591-86-8	222.5			1.019		10/11/05	10/11/05	12/31/11
1389	Fosthietan	21548-32-3	250	0.0000065	25	1.3		12/08/02	05/31/09	12/31/11
1390	Fuberidazole	3878-19-1		0.00001	25			12/08/02		12/31/11
1391	Fuel oil, residual	68476-33-5				0.8		07/09/97	11/24/09	12/31/11
1392	Fulminic acid; (Carbyloxime)	506-85-4						07/11/07		12/31/11
1393	Fumaric acid	110-17-8	290	0.000154	25	1.635 @ 20C		06/13/02		12/31/11
1394	**Furan**	**110-00-9**	31.5	750	31	0.9514 @ 20^0C	23000	12/30/95	05/31/09	12/31/11
1395	**Furancarboxaldehyde, 2-; (Furfural)**	**98-01-1**	161.7	0.75	16	1.1594 @ 20^0C	21000	11/15/96	11/12/09	
1396	Furancarboxylic acid, ethyl ester, 2-; (Ethyl furoate)	614-99-3	196.8			1.1174 @ 21^0C		12/08/02	02/05/08	12/31/11
1397	Furfuryl alcohol	98-00-0	171	0.75	25	1.1296 @ 20^0C	18000	09/30/97	11/12/09	12/31/11
1398	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1						03/01/00		12/31/11
1399	Gadolinium	7440-54-2	3273			7.898		04/14/04		12/31/11
1400	Gadolinium chloride hexahydrate	13450-84-5						07/11/07	02/28/08	12/31/11
1401	Gadolinium hydroxide	16469-18-4						12/08/02	06/01/09	
1402	Gadolinium nitrate, solid	10168-81-7						08/07/98	06/01/09	12/31/11
1403	Gadolinium nitrite	z-0022						01/10/01	06/01/09	08/14/07
1404	Gadolinium(III) oxide	12064-62-9	3900			7.407 @ 15C		12/08/02	12/23/11	02/17/12
1405	Gallic acid monohydrate	5995-86-8						10/11/05	06/01/09	12/31/11
1406	Gallium	7440-55-3	2403			5.904		08/07/98	06/01/09	12/31/11
1407	Gallium oxide	12024-21-4				5.88		08/07/98	01/16/12	01/16/12
1408	Gallium trichloride	13450-90-3	201.3			2.47 @ 26C		06/13/02	06/01/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1409	Gallium trifluoride	7783-51-9	126.72	mg/m^3	5.18	F3Ga	S	
1410	**Gasoline**	**86290-81-5**	72	ppm	2.94	[Unspecified]	L	-90.5
1411	Gelatin; (Pharmagel A)	9000-70-8		mg/m^3		[Unknown]	S	
1412	**Germane; (Germanium tetrahydride)**	**7782-65-2**	76.63	ppm	3.13	Ge.H4	G	-165
1413	Germanium	7440-56-4	72.59	mg/m^3	2.97	Ge	S crystals	938.25
1414	Germanium oxide	1310-53-8	104.59	mg/m^3	4.27	GeO2	S	1115 sol
1415	Germanium tetrafluoride	7783-58-6	148.6	mg/m^3	6.07	Ge.F4	G	-15
1416	Germanous acid	z-0023	122.604	mg/m^3	5.01	Ge.H2.O3	S	
1417	Giemsa's stain; (Blood stain)	51811-82-6		mg/m^3		[Unknown]	S	300
1418	Gluconic acid, D-	526-95-4	196.18	mg/m^3	8.02	C6.H12.O7	S	131
1419	Glucose monohydrate, D(+)-; (Dextrose)	14431-43-7	198.17	mg/m^3	8.10	C6.H12.O6.H2.O	S	
1420	Glucose, alpha-D-; (alpha-Dextrose)	492-62-6	180.18	mg/m^3	7.36	C6.H12.O6	S	
1421	Glucose, D-; (Dextrose, anhydrous)	50-99-7	180.18	mg/m^3	7.36	C6.H12.O6	S	146
1422	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0	147.15	mg/m^3	6.01	C5.H9.N.O4	S	194
1423	**Gluteraldehyde**	**111-30-8**	100.13	ppm	4.09	C5H8O2	L	
1424	Glycerine (mist); (Glycerol; Glycerin)	56-81-5	92.09	mg/m^3	3.76	C3H8O3	L	18.1
1425	Glycerine carbonate; (4-Hydroxymethyl-1,3-dioxolan-2-one)	931-40-8	118.09	mg/m^3	4.83	C4.H6.O4	S	
1426	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	358.63	mg/m^3	14.66	C21H42O4	S	58-59
1427	Glycidaldehyde	765-34-4	72.06	ppm	2.95	C3H4O2	L	-62
1428	Glycidol; (Oxiranemethanol)	556-52-5	74.09	ppm	3.03	C3.H6.O2	L	-45
1429	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimethoxysilane)	2530-83-8	236.38	mg/m^3	9.66	C9.H20.O5.Si	L	
1430	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	128.14	ppm	5.24	C6.H8.O3	L	-41.5

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1409	Gallium trifluoride	7783-51-9						08/07/98		12/31/11
1410	**Gasoline**	**86290-81-5**	32-210	304-684	37.8	0.70-0.80	13000	09/30/97	12/08/11	06/23/10
1411	Gelatin; (Pharmagel A)	9000-70-8				0.68		04/14/04	06/03/08	12/31/11
1412	**Germane; (Germanium tetrahydride)**	**7782-65-2**	-90			1.523 @ -142ºC		12/08/02	01/21/10	01/21/10
1413	Germanium	7440-56-4	2,833	0	25	5.323		10/11/05	12/08/11	12/31/11
1414	Germanium oxide	1310-53-8				4.703		08/07/98	12/08/11	12/31/11
1415	Germanium tetrafluoride	7783-58-6	-36.5					10/11/05	06/01/09	12/31/11
1416	Germanous acid	z-0023						12/08/02		12/31/11
1417	Giemsa's stain; (Blood stain)	51811-82-6				0.89		04/14/04	06/01/09	12/31/11
1418	Gluconic acid, D-	526-95-4				1.24		07/11/07	06/01/09	12/31/11
1419	Glucose monohydrate, D(+)-; (Dextrose)	14431-43-7						07/11/07	12/23/11	12/23/11
1420	Glucose, alpha-D-; (alpha-Dextrose)	492-62-6				1.544		04/14/04	12/23/11	12/23/11
1421	Glucose, D-; (Dextrose, anhydrous)	50-99-7				1.544		04/14/04	12/23/11	12/23/11
1422	Glutamic acid, L-; ((S)-(+)-Glutamic acid)	56-86-0				1.4601 @ 20C		04/14/04		12/31/11
1423	**Gluteraldehyde**	**111-30-8**	71-72					01/04/99		08/24/07
1424	Glycerine (mist); (Glycerol; Glycerin)	56-81-5	290	7.5x10-3	96	1.2613 @ 20^0C	30000	08/21/96	05/21/10	12/31/11
1425	Glycerine carbonate; (4-Hydroxymethyl-1,3-dioxolan-2-one)	931-40-8	137 @ 0.5 mm			1.4		07/11/07	06/01/09	12/31/11
1426	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1				0.97		11/15/96	11/12/09	12/31/11
1427	Glycidaldehyde	765-34-4	112.5			1.1403 @ 20^0C		09/30/97	02/17/12	02/17/12
1428	Glycidol; (Oxiranemethanol)	556-52-5	167 dec	0.9	25	1.115 @ 20C		07/11/07	06/01/09	12/31/11
1429	Glycidoxypropyltrimethoxysilane; (3-(2,3-Epoxypropoxy) propyltrimethoxysilane)	2530-83-8	290			1.065-1.075		07/11/07		12/31/11
1430	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	57.2 @ 2mm			1.1074 @ 20C		07/11/07		12/31/11

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1431	Glycine; (Aminoacetic acid)	56-40-6	75.08	mg/m^3	3.07	C2.H5.N.O2	S	262 dec
1432	Glycol carbonate; (Ethylene carbonate)	96-49-1	88.07	mg/m^3	3.60	C3.H4.O3	S	36.4
1433	Glycolic acid; (Hydroxyacetic acid)	79-14-1	76.06	mg/m^3	3.11	C2H4O3	S	63(alpha) 79(beta)
1434	Glycols, polyethylene, dimethyl ether	24991-55-7		mg/m^3		(C2.H4.O)n.C2.H6.O	L	
1435	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3		mg/m^3		(C2H4O)n C15H24O	L (n<15)	
1436	Glycoluril; (Acetyleneurea)	496-46-8	142.117	mg/m^3	5.81	C2.H6.N2.O4	S	300 dec
1437	Glyoxal	107-22-2	58.04	mg/m^3	2.37	C2.H2.O2	L	15
1438	Goethite; (Iron hydroxide oxide)	1310-14-1	88.85374	mg/m^3	3.63	Fe.O.O.H	S	
1439	Gold	7440-57-5	196.97	mg/m^3	8.05	Au	S	1064.76
1440	Graphite; (Mineral carbon)	7782-42-5	12.01	mg/m^3	0.49	C	S	3652-3657
1441	Grease; (Animal grease, inedible)	68153-81-1		mg/m^3		[Unknown]	S/L	
1442	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	147.12	mg/m^3	6.01	C2.H5.N5.O3	S	118
1443	Guanidinehydrochloride	50-01-1	95.53	mg/m^3	3.90	C.H5.N3.Cl.H	S	183
1444	Hafnium	7440-58-6	178.49	mg/m^3	7.30	Hf	S	2233
1445	Hafnium oxide	12055-23-1	210.49	mg/m^3	8.60	HfO2	S	2812
1446	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	165.37	ppm	6.76	BrCClF2	G	-160.5
1447	Hansa yellow	13515-40-7	390.61	mg/m^3	15.96	C17H15ClN4O5		
1448	Helium	7440-59-7	4	ppm	0.16	He	G	-272.2
1449	Hematoxylin	517-28-2	302.3	mg/m^3	12.36	C16H14O6	S	100-120
1450	Heptachlor	76-44-8	373.32	mg/m^3	15.26	C10H5Cl7	S	95.5
1451	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	389.32	mg/m^3	15.91	C10H5Cl7O		160
1452	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4	409.28	mg/m^3	16.73	C12HCl7O	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1431	Glycine; (Aminoacetic acid)	56-40-6				1.1607		04/14/04		12/31/11
1432	Glycol carbonate; (Ethylene carbonate)	96-49-1	248	0.01	20	1.322 @ 40C		04/14/04		12/31/11
1433	Glycolic acid; (Hydroxyacetic acid)	79-14-1	100 dec	8.1	80	1.49		01/10/01	01/19/09	12/31/11
1434	Glycols, polyethylene, dimethyl ether	24991-55-7						10/11/05	10/11/05	12/31/11
1435	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3				1.06		01/04/99	01/22/12	01/22/12
1436	Glycoluril; (Acetyleneurea)	496-46-8						04/14/04	06/01/09	12/31/11
1437	Glyoxal	107-22-2	51 @ 776mm	255	25	1.29 @ 20C	73300	04/14/04	06/01/09	12/31/11
1438	Goethite; (Iron hydroxide oxide)	1310-14-1				4.26		12/08/02	06/01/09	
1439	Gold	7440-57-5	2700	1	1869	19.3		01/04/99	06/01/09	12/31/11
1440	Graphite; (Mineral carbon)	7782-42-5	subl	1	3586	2.25		01/04/99	05/21/10	12/31/11
1441	Grease; (Animal grease, inedible)	68153-81-1						04/14/04	06/01/09	12/31/11
1442	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7						06/13/02		12/31/11
1443	Guanidinehydrochloride	50-01-1						04/14/04		12/31/11
1444	Hafnium	7440-58-6	4603	7.5x10-3	2416	13.3		09/30/97	11/12/09	12/31/11
1445	Hafnium oxide	12055-23-1	5400			9.68		08/07/98	06/01/09	12/31/11
1446	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	-4	>760	20			08/07/98	06/01/09	12/31/11
1447	Hansa yellow	13515-40-7						09/30/97	11/12/09	12/31/11
1448	Helium	7440-59-7	-268.9			0.147 @ -270.8C		01/10/01	06/01/09	08/17/07
1449	Hematoxylin	517-28-2						08/07/98	06/01/09	12/31/11
1450	Heptachlor	76-44-8	145 @ 1.5mmHg	4.0x10-4	25	1.57 @ 9^0C		12/30/95	01/10/12	01/10/12
1451	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3						08/21/96	11/24/09	12/31/11
1452	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4						03/01/00		12/31/11

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1453	Heptachlorodibenzofuran, 1,2,3,4,7,8,9-; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7	409.28	mg/m^3	16.73	C12HCl7O	S	
1454	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9	425.28	mg/m^3	17.38	C12HCl7O2	S	
1455	Heptadecane	629-78-7	240.53	ppm	9.83	C17-H36	L	
1456	Heptafluorobutyric acid	375-22-4	214.05	mg/m^3	8.75	C4.H.F7.O2	L	-19.9
1457	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	416.059	mg/m^3	17.00	C8F16O	S	
1458	Heptane	142-82-5	100.23	ppm	4.10	C7H16	L	-91.61
1459	Heptanoic acid	111-14-8	130.21	ppm	5.32	C7.H14.O2	L	-7.5
1460	Heptanol, 1-; (Heptyl alcohol)	111-70-6	116.23	mg/m^3	4.75	C7-H16-O	L	-34.6
1461	Heptene, 1-	592-76-7	98.21	ppm	4.01	C7.H14	L	-10
1462	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	220.06	mg/m^3	8.99	Cr.(CO)6	S	152-155
1463	Hexachloroacetone	116-16-5	264.73	mg/m^3	10.82	C3.Cl6.O	L	-2
1464	Hexachlorobenzene	118-74-1	284.78	mg/m^3	11.64	C6Cl6	S	228.83
1465	**Hexachlorobutadiene**	**87-68-3**	260.76	ppm	10.66	C4Cl6	L	-21
1466	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	290.83	mg/m^3	11.89	C6H6Cl6	S	158
1467	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	290.82	mg/m^3	11.89	C6H6Cl6	S	297
1468	Hexachlorocylopentadiene	77-47-4	272.77	ppm	11.15	C5Cl6	L	-9
1469	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	390.84	mg/m^3	15.97	C12H2Cl6O2	S	239
1470	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	374.84	mg/m^3	15.32	C12H2Cl6O	S (?)	
1471	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	374.84	mg/m^3	15.32	C12H2Cl6O	S (?)	
1472	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	374.84	mg/m^3	15.32	C12H2Cl6O	S	
1473	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	374.84	mg/m^3	15.32	C12H2Cl6O	S (?)	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1453	Heptachlorodibenzofuran, 1,2,3,4,7,8,9-; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7						03/01/00		12/31/11
1454	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9						03/01/00		12/31/11
1455	Heptadecane	629-78-7					4000	12/08/02		12/31/11
1456	Heptafluorobutyric acid	375-22-4	120.8			1.645		10/11/05		12/31/11
1457	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	31-173					08/07/98	05/21/10	12/31/11
1458	Heptane	142-82-5	98.52	40	22.3	0.684	10000	08/07/98	06/01/09	12/31/11
1459	Heptanoic acid	111-14-8	222.2	0.0056	25	0.918		10/11/05	10/11/05	12/31/11
1460	Heptanol, 1-; (Heptyl alcohol)	111-70-6	175.8	0.2163	25	0.824 @ 20C		12/08/02	5/21/10	12/31/11
1461	Heptene, 1-	592-76-7	93.6	59.3	25	0.6969 @ 20C		10/11/05		12/31/11
1462	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6						12/08/02	02/10/12	12/31/11
1463	Hexachloroacetone	116-16-5	202.2	0.376	20	1.74 @ 12C		07/11/07		12/31/11
1464	Hexachlorobenzene	118-74-1	325	4.9x10-5	25	2.044 @ 23^{0}C		12/30/95	01/09/12	02/17/12
1465	**Hexachlorobutadiene**	**87-68-3**	215	7.5x10-2	22	1.556		11/30/92	11/12/09	
1466	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	288	4.5x10-5	25	1.87 @ 20^{0}C		09/30/97	01/25/12	01/25/12
1467	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7						08/07/98	01/25/12	01/25/12
1468	Hexachlorocylopentadiene	77-47-4	239	0.06	25	1.7019		12/30/95	11/12/09	12/31/11
1469	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6						03/01/00		12/31/11
1470	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9						09/30/97	11/12/09	12/31/11
1471	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9						09/30/97	11/12/09	12/31/11
1472	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9						03/01/00		12/31/11
1473	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5						09/30/97	11/12/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1474	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	390.86	mg/m^3	15.97	C12H2Cl6O2	S	285
1475	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3	390.84	mg/m^3	15.97	C12H2Cl6O2	S	
1476	Hexachloroethane	67-72-1	236.74	ppm	9.68	C2Cl6	S	186.8 triple point
1477	Hexachloronaphthalene	1335-87-1	334.74	mg/m^3	13.68	C10H2Cl6	S	137.2
1478	Hexachlorophene	70-30-4	406.9	mg/m^3	16.63	C13H6Cl6O2	S	166.5
1479	Hexachloropropene	1888-71-7	248.73	ppm	10.17	C3Cl6	L	-72.9
1480	Hexadecanamine, 1-	143-27-1	241.52	mg/m^3	9.87	C16.H35.N	S	46.2
1481	Hexadecane	544-76-3	226.5	mg/m^3	9.26	C16H34	L	18.14
1482	Hexadecanoic acid; (Palmitic acid)	57-10-3	256.48	mg/m^3	10.48	C16H32O2	S	63-64
1483	Hexadecanol, 1-	36653-82-4	242.5	mg/m^3	9.91	C16H34O	S	50
1484	Hexadecene, 1-	629-73-2	224.48	ppm	9.17	C16-H32	L	4.1
1485	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	340.05	mg/m^3	13.90	C21.H38.N.Cl	S	80
1486	Hexadecyltrimethylammonium chloride	112-02-7	320.07	mg/m^3	13.08	C19.H40.Cl.N	S	
1487	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	168.05	ppm	6.87	C3.H2.F6.O	L	-2.0
1488	**Hexafluoroacetone**	**684-16-2**	166.02	ppm	6.79	C3F6O	G	-125.45
1489	Hexafluorobenzene	392-56-3	186.06	ppm	7.60	C6.F6	L	3 - 4
1490	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	162.04	ppm	6.62	C4.F6	G	-117.4
1491	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	138.02	ppm	5.64	C2.F6	G	
1492	**Hexafluoropropylene; (Hexafluoropropene)**	**116-15-4**	150.02	ppm	6.13	C3F6	G	-156.5
1493	Hexafluoropropylene-vinylidene fluoride polymer; (Viton)	9011-17-0		mg/m^3		(-C3-F6.C2-H2-F2)x	S	
1494	Hexamethylcyclotrisiloxane	541-05-9	222.46	mg/m^3	9.09	C6H18O3Si3	S	64.5
1495	Hexamethyldisilazane	999-97-3	161.44	mg/m^3	6.60	C6H19NSi2	L	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1474	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7		3.6x10-11	25			09/30/97	01/24/12	12/31/11
1475	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3						03/01/00		12/31/11
1476	Hexachloroethane	67-72-1	184.7 subl	0.75	33.6	2.091 @ 21^{0}C		12/30/95	12/01/09	12/31/11
1477	Hexachloronaphthalene	1335-87-1	343.3 - 387.8	3.3x10-6	25	1.78 no temp		09/30/97	12/01/09	12/31/11
1478	Hexachlorophene	70-30-4						12/30/95	11/12/09	12/31/11
1479	Hexachloropropene	1888-71-7	209-210	0.244	25	1.76 @ 20C		06/13/02	10/15/06	12/31/11
1480	Hexadecanamine, 1-	143-27-1	322.5			0.8129 @ 20C	20000	10/11/05	10/15/06	12/31/11
1481	Hexadecane	544-76-3	286.5	1	105.3	0.77335		01/04/99	02/17/12	02/17/12
1482	Hexadecanoic acid; (Palmitic acid)	57-10-3	271.5@100			0.849		03/01/00	10/15/06	12/31/11
1483	Hexadecanol, 1-	36653-82-4	178-182			0.8176 @ 50C/4C		03/01/00	10/15/06	12/31/11
1484	Hexadecene, 1-	629-73-2	284.4			0.7811 @ 20C		12/08/02	02/22/08	12/31/11
1485	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5						04/15/07		12/31/11
1486	Hexadecyltrimethylammonium chloride	112-02-7					20000	07/11/07		12/31/11
1487	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	59			1.46		07/11/07		12/31/11
1488	**Hexafluoroacetone**	**684-16-2**	-27.4	750	-27.6	1.33		12/30/95	11/12/09	04/20/07
1489	Hexafluorobenzene	392-56-3	81-82			1.61 @ 20C		07/11/07		12/31/11
1490	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	-24.6					07/11/07		12/31/11
1491	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	-78.2			4.76 (air=1)		10/11/05	03/10/08	12/31/11
1492	**Hexafluoropropylene; (Hexafluoropropene)**	**116-15-4**	-29.6	750	-30.6	1.583 @ -40^{0}C		08/21/96	11/13/09	12/31/07
1493	Hexafluoropropylene-vinylidene fluoride polymer; (Viton)	9011-17-0				1.78		04/14/04	06/02/09	12/31/11
1494	Hexamethylcyclotrisiloxane	541-05-9	134			1.12		03/01/00		12/31/11
1495	Hexamethyldisilazane	999-97-3	125			0.76		08/07/98	10/15/06	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1496	Hexamethyldisiloxane	107-46-0	162.42	ppm	6.64	C6H18OSi	L	-59
1497	Hexamethylene diisocyanate polymer	28182-81-2		mg/m^3		(C8H12N2O2)x	S	
1498	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	168.19	ppm	6.87	C8H12N2O2	L	-67
1499	Hexamethyleneimine	111-49-9	99.2	mg/m^3	4.05	C6.H13.N	L	-37
1500	Hexamethylenetetraamine hydrochloride	58713-21-6		mg/m^3		[Unknown]		
1501	Hexamethylenetetraamine; (Methenamine)	100-97-0	140.19	mg/m^3	5.73	C6H12N4	S	>250
1502	Hexamethylphosphoramide	680-31-9	179.2	ppm	7.32	C6H18N3OP	L	7.2
1503	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	422.92	ppm	17.29	C30.H62	L	-38
1504	Hexanal	66-25-1	100.18	ppm	4.09	C6-H12-O	L	-56.3
1505	**Hexane**	**110-54-3**	86.18	ppm	3.52	C6H14	L	-95.35
1506	Hexanediol diacrylate, 1,6-	13048-33-4	226.3	mg/m^3	9.25	C12.H18.O4	L	
1507	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	118.2	mg/m^3	4.83	C6.H14.O2	S hygr.	42
1508	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	182.2	mg/m^3	7.45	C6.H14.O6	S	167
1509	Hexanenitrile	628-73-9	97.18	ppm	3.97	C8-H11-N	L	
1510	Hexanethiol, 1-; (N-Hexylmercaptan)	111-31-9	118.26	ppm	4.83	C6.H14.S	L	-80.56
1511	Hexanitrostilbene	20062-22-0	450.23	mg/m^3	18.40	C14.H6.N6.O12	S	
1512	Hexanoic acid	142-62-1	116.18	mg/m^3	4.75	C6H12O2	L	-1.5
1513	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	102.2	mg/m^3	4.18	C6.H14.O	L	
1514	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	102.2	ppm	4.18	C6H14O	L	-46.7
1515	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	100.18	ppm	4.09	C6H12O	L	-56.9
1516	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	100.18	ppm	4.09	C6-H12-O	L	
1517	Hexanoyl chloride	142-61-0	134.603	mg/m^3	5.50	C6.H11.Cl.O	L	-87

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1496	Hexamethyldisiloxane	107-46-0	101			0.76 @ 20C	5000	12/08/02		12/31/11
1497	Hexamethylene diisocyanate polymer	28182-81-2						09/30/97	11/23/11	12/31/11
1498	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	122 @ 10mmHg	0.5	25	1.0528 @ 20^0C		07/09/97	11/13/09	12/31/11
1499	Hexamethyleneimine	111-49-9	138	8.09	25	0.8643 @ 22C	16000	07/11/07		12/31/11
1500	Hexamethylenetetraamine hydrochloride	58713-21-6						07/09/97	11/13/09	12/31/11
1501	Hexamethylenetetraamine; (Methenamine)	100-97-0	subl	4.0x10-3	25	1.331 @ -5^0C		07/09/97	01/25/12	01/25/12
1502	Hexamethylphosphoramide	680-31-9	232.5	0.03	25	1.03 @ 20^0C		09/30/97	01/30/12	02/17/12
1503	Hexamethyltetracosane, 2,6,10,15,19,23-; (Squalane)	111-01-3	350			0.8115 @ 15C		10/11/05		12/31/11
1504	Hexanal	66-25-1	131	11.3	25	0.8335 @ 20C		12/08/02		12/31/11
1505	**Hexane**	**110-54-3**	68.73	75	9.8	0.6606	10000	11/15/96	12/01/09	12/31/11
1506	Hexanediol diacrylate, 1,6-	13048-33-4		0.017	25	1.01		07/11/07	01/25/12	01/25/12
1507	Hexanediol, 1,6-; (Hexamethylene glycol)	629-11-8	250	0.0005 (est)	25	0.967 @ 0C		10/11/05	10/15/06	12/31/11
1508	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	69-65-8	290-295			1.52 @ 20C		04/14/04	10/15/06	12/31/11
1509	Hexanenitrile	628-73-9	163.6					12/08/02	07/18/08	12/31/11
1510	Hexanethiol, 1-; (N-Hexylmercaptan)	111-31-9	151.11			0.84		04/15/07	06/02/09	12/31/11
1511	Hexanitrostilbene	20062-22-0						04/15/07		12/31/11
1512	Hexanoic acid	142-62-1	205	0.18	20	0.9295	13000	01/04/99	07/07/08	12/31/11
1513	Hexanol, 2-; (2-Hydroxyhexane)	626-93-7	139			0.814		10/11/05	10/15/06	12/31/11
1514	Hexanol, n-; (n-Hexyl alcohol)	111-27-3	157.2	1	24.4	0.8204	12000	01/04/99	10/15/06	12/31/11
1515	Hexanone, 2-; (Methyl n-butyl ketone)	591-78-6	127.2	10	38.8	0.83	12000	01/04/99	06/02/09	12/31/11
1516	Hexanone, 3-; (Ethyl propyl ketone)	589-38-8	124			0.813 @ 21.8C	10000	12/08/02	10/15/06	12/31/11
1517	Hexanoyl chloride	142-61-0	123			0.9784 @ 20C		07/11/07		12/31/11

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1518	Hexaphenylcyclotrisiloxane	512-63-0	594.8892	mg/m^3	24.31	C36.H30.O3.Si3	S	184-188
1519	**Hexene, 1-**	**592-41-6**	84.158	ppm	3.44	C6H12	L	-139.9
1520	Hexylene glycol	107-41-5	118.2	ppm	4.83	C6H14O2	L	-50
1521	**Hexyltrichlorosilane**	**928-65-4**	219.63	ppm	8.98	C6.H13.Cl3.Si	L	
1522	Holmium	7440-60-0	164.93	mg/m^3	6.74	Ho	S	
1523	Holmium trioxide	12055-62-8	377.859	mg/m^3	15.44	Ho2-O3	S	2415
1524	Humic acid, sodium salt	68131-04-4		mg/m^3			S	>300
1525	**Hydrazine**	**302-01-2**	32.05	ppm	1.31	H4N2	L	1.54
1526	Hydrazine hydrate; (Hydrazine monohydrate; aqueous solutions - 10217-52-4)	7803-57-8	50.08	mg/m^3	2.05	H4.N2.H2.O	L	-51.7
1527	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	68.52	mg/m^3	2.80	ClH5N2	S	198
1528	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	95.06	mg/m^3	3.89	H4N2-HNO3	S	70
1529	Hydrazine sulfate	10034-93-2	130.14	mg/m^3	5.32	H4N2.H2SO4	S/L	254 decom
1530	Hydrazine, dihydrochloride	5341-61-7	104.98	mg/m^3	4.29	Cl.H.0.5 H4.N2	S	197 dec
1531	**Hydriodic acid; (Hydrogen iodide)**	**10034-85-2**	127.91	ppm	5.23	HI	G	-50.8
1532	**Hydrobromic acid; (Hydrogen bromide)**	**10035-10-6**	80.92	ppm	3.31	BrH	G	-87
1533	Hydrogen	1333-74-0	2.02	ppm	0.08	H2	G	-259.18
1534	**Hydrogen chloride; (Hydrochloric acid)**	**7647-01-0**	36.46	ppm	1.49	ClH	G	-114.17
1535	**Hydrogen cyanide; (Hydrocyanic acid)**	**74-90-8**	27.03	ppm	1.10	CHN	L or G	-13.29
1536	**Hydrogen fluoride; (Hydrofluoric acid)**	**7664-39-3**	20.01	ppm	0.82	FH	G	-83.36
1537	**Hydrogen peroxide**	**7722-84-1**	34.02	ppm	1.39	H2O2	L	-0.43
1538	Hydrogen peroxide - 30%	7722-84-1a	34.02	ppm	1.39	H2O2	L	-11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1518	Hexaphenylcyclotrisiloxane	512-63-0	300					10/11/05	10/15/06	12/31/11
1519	**Hexene, 1-**	**592-41-6**	64.5	310	38	0.6732	12000	01/04/99	06/02/09	12/31/11
1520	Hexylene glycol	107-41-5	197.1	0.05	20	0.9234	10000	01/04/99	05/24/10	12/31/11
1521	**Hexyltrichlorosilane**	**928-65-4**	190			1.1100 @ 20ºC		09/05/08	05/25/10	01/03/08
1522	Holmium	7440-60-0	2720	2	1630	8.78		07/11/07		12/31/11
1523	Holmium trioxide	12055-62-8				8.41		12/08/02	06/02/09	12/31/11
1524	Humic acid, sodium salt	68131-04-4						10/11/05	10/15/06	12/31/11
1525	**Hydrazine**	**302-01-2**	113.55	14.4	25	1.0036	29000	11/30/92	11/13/09	06/02/09
1526	Hydrazine hydrate; (Hydrazine monohydrate; aqueous solutions - 10217-52-4)	7803-57-8	119			1.03 @ 21C		06/13/02	12/09/11	12/09/11
1527	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	200 dec			1.42		08/07/98	06/02/09	06/02/09
1528	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6						09/30/97	12/09/11	12/09/11
1529	Hydrazine sulfate	10034-93-2				1.378		06/13/02	06/02/09	12/31/11
1530	Hydrazine, dihydrochloride	5341-61-7				1.42		10/11/05	06/02/09	12/31/11
1531	**Hydriodic acid; (Hydrogen iodide)**	**10034-85-2**	-35.38	5940	25	5.66		08/07/98	06/02/09	02/16/12
1532	**Hydrobromic acid; (Hydrogen bromide)**	**10035-10-6**	-66.5	760	-66.5	3.5		08/07/98	06/02/09	02/16/12
1533	Hydrogen	1333-74-0	-252.8	1240000	25	0.070 @ -253C	40000	06/13/02	10/15/06	08/17/07
1534	**Hydrogen chloride; (Hydrochloric acid)**	**7647-01-0**	-85	750	-85.2	1.49		11/30/92	11/23/09	10/11/05
1535	**Hydrogen cyanide; (Hydrocyanic acid)**	**74-90-8**	26	750	25.4	0.6876 @ 20^0C	56000	12/30/95	11/23/09	10/11/05
1536	**Hydrogen fluoride; (Hydrofluoric acid)**	**7664-39-3**	20	750	19.2	0.818		11/30/92	05/25/10	06/02/09
1537	**Hydrogen peroxide**	**7722-84-1**	150.2	0.75	13	1.44		11/30/92	06/23/10	04/20/07
1538	Hydrogen peroxide - 30%	7722-84-1a	150.2			1.4067		07/11/07	06/02/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1539	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	204.23	mg/m^3	8.35	C8.H5.O4.K	S	dec
1540	**Hydrogen selenide**	**7783-07-5**	80.98	ppm	3.31	H2Se	G	-64
1541	**Hydrogen sulfide**	**7783-06-4**	34.08	ppm	1.39	H2S	G	-85.5
1542	Hydrogenated terphenyl	61788-32-7	298	ppm	12.18		L	
1543	Hydroquinone	123-31-9	110.12	mg/m^3	4.50	C6H6O2	S	172
1544	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7		mg/m^3		[Unspecified]	L	
1545	Hydrotreated middle distillate (Petroleum base oil)	64742-46-7		mg/m^3			L	
1546	Hydroxy-2-methylpropanoic acid, 2-; (2-Methyllactic acid)	594-61-6	104.11	mg/m^3	4.26	C4.H8.O3	S	82.5
1547	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9	224.28	mg/m^3	9.17	C12.H16.O4	S	
1548	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	116.18	ppm	4.75	C6H12O2	L	-47
1549	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	502.31	mg/m^3	20.53	Ca5.OH.(PO4)3	S	
1550	Hydroxybenezenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	174.18	mg/m^3	7.12	C6.H6.O4.S	S	
1551	Hydroxybenzoic acid, 4-; (p-Salicylic acid)	99-96-7	138.1226	mg/m^3	5.65	C7.H6.O3	S	214.5
1552	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	135.14	mg/m^3	5.52	C6.H5.N3.O	S	157-158
1553	Hydroxyethyl acrylate, 2-; (Acrylic acid, 2-hydroxyethyl ester)	818-61-1	116.13	ppm	4.75	C5.H8.O3	L	
1554	Hydroxyethyl methacrylate, 2-	868-77-9	130.14	mg/m^3	5.32	C6H10O3	L	-12
1555	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	238.24	mg/m^3	9.74	C6.H18.N2.O4.S	S	
1556	Hydroxyethylenediaminetriacetic acid, N-	150-39-0	278.3	mg/m^3	11.37	C10H18N2O7	S	160-5 dec
1557	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidine bisphosphonic acid, 1-)	2809-21-4	206.03	mg/m^3	8.42	C2H8O7P2	S	105
1558	Hydroxylamine	7803-49-8	33.04	mg/m^3	1.35	H3NO	L	34
1559	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	69.5	mg/m^3	2.84	ClH4NO	S	159

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1539	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7				1.6		04/14/04		12/31/11
1540	**Hydrogen selenide**	**7783-07-5**	-41.4	7600	23.4			03/01/00	06/02/09	02/16/12
1541	**Hydrogen sulfide**	**7783-06-4**	-59.55	750	-60.5	1.393	40000	11/30/92	05/25/10	06/22/07
1542	Hydrogenated terphenyl	61788-32-7	340			1.006		07/11/07	06/02/09	12/31/11
1543	Hydroquinone	123-31-9	285	1	132.4	1.358		08/07/98	06/02/09	12/31/11
1544	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7						01/04/99	10/15/06	12/31/11
1545	Hydrotreated middle distillate (Petroleum base oil)	64742-46-7	>205			0.8545		04/14/04	08/17/07	12/31/11
1546	Hydroxy-2-methylpropanoic acid, 2-; (2-Methyllactic acid)	594-61-6	212					04/14/04	06/02/09	12/31/11
1547	Hydroxy-4'-hydroxyethoxy-2-methylpropiophenone, 2-	106797-53-9						10/11/05	10/15/06	12/31/11
1548	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	164	1.1	20	0.9306	18000	01/04/99	06/02/09	12/31/11
1549	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5						05/19/07	06/02/09	11/09/07
1550	Hydroxybenezenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9				1.337		07/11/07		12/31/11
1551	Hydroxybenzoic acid, 4-; (p-Salicylic acid)	99-96-7		1.90E-07	25	1.46		08/17/07		12/31/11
1552	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2						07/11/07		12/31/11
1553	Hydroxyethyl acrylate, 2-; (Acrylic acid, 2-hydroxyethyl ester)	818-61-1	220	0.0523	25	1.011	18000	07/11/07		12/31/11
1554	Hydroxyethyl methacrylate, 2-	868-77-9	67	0.126	25	1.034		10/11/05	01/16/12	01/16/12
1555	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9						04/14/04		12/31/11
1556	Hydroxyethylenediaminetriacetic acid, N-	150-39-0						01/10/01	10/15/06	12/31/11
1557	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidine bisphosphonic acid, 1-)	2809-21-4						01/10/01	01/19/12	02/17/12
1558	Hydroxylamine	7803-49-8	110	10	47.2	1.227		08/07/98	10/15/06	12/31/11
1559	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	dec			1.6717		08/07/98	10/15/06	12/31/11

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

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1560	Hydroxylamine nitrate	13465-08-2	96.04	mg/m^3	3.93	H4N2O4	L	
1561	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	164.16	mg/m^3	6.71	H8N2O6S	S	177
1562	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	119.1	mg/m^3	4.87	C.H4.O3.S.Na	S	63
1563	Hydroxy-N-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	213.2354	mg/m^3	8.72	C13.H11.N.O2		118-120
1564	Hydroxyphenyl)benzothiazole, 2-(2-	3411-95-8	227.28	mg/m^3	9.29	C13.H9.N.O.S	S	131-133
1565	Hydroxyphenylacetic acid, alpha-	90-64-2	152.16	mg/m^3	6.22	C8.H8.O3	S	117-119
1566	Hydroxypropyl cellulose	9004-64-2	806.9296	mg/m^3	32.98	C36.H70.O19	S	
1567	Hydroxyquinoline sulfate, 8-	134-31-6	388.42	mg/m^3	15.88	C18.H14.N2.O2.H2.O4.S	S	177.5
1568	Hypophosphorous acid-d3; (Hydrophosphorus acid-d3 solution, 50 wt.% in D2O)	57583-56-9	69.01	mg/m^3	2.82	D3.P.O2		
1569	Hypophosphorus acid; (Phosphonic acid)	6303-21-5	66	mg/m^3	2.70	H3.O2.P	S	26.5
1570	Imidazole	288-32-4	68.09	mg/m^3	2.78	C3.H4.N2	S	90-91
1571	Imidazole hydrochloride	1467-16-9	104.54	mg/m^3	4.27	C3.H4.N2.H.Cl	S	158-161
1572	Iminodiacetic acid	142-73-4	133.12	mg/m^3	5.44	C4H7NO4	S	220-250
1573	Iminodiacetic acid, disodium salt hydrate	17593-73-6	195.08254	mg/m^3	7.97	C4.H7.N.Na2.O5	S	180
1574	Indan	496-11-7	118.19	mg/m^3	4.83	C9H10	L	-51.4
1575	Indene	95-13-6	116.16	ppm	4.75	C9H8	L	-1.5
1576	Indeno(1,2,3-cd)pyrene	193-39-5	276.34	mg/m^3	11.29	C22H12	S	161-163.5
1577	Indigo carmine; (FD&C blue No 2)	860-22-0	466.36	mg/m^3	19.06	C16H8N2Na2O8S2	S	
1578	Indium	7440-74-6	114.82	mg/m^3	4.69	In	S	156.61
1579	Indium oxide (vapor)	1312-43-2b	245.6394	mg/m^3	10.04	In2-O	V	
1580	Indium sulfate	13464-82-9	517.82	mg/m^3	21.16	O12.S3.In2	S	
1581	Indium trichloride	10025-82-8	221.17	mg/m^3	9.04	Cl3In	S	586 subl

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1560	Hydroxylamine nitrate	13465-08-2				1.156		08/07/98	05/25/10	12/31/11
1561	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0						08/07/98	10/15/06	12/31/11
1562	Hydroxymethanesulfinic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0						10/11/05	10/15/06	12/31/11
1563	Hydroxy-N-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1						10/11/05	09/09/09	12/31/11
1564	Hydroxyphenyl)benzothiazole, 2-(2-	3411-95-8						07/11/07	04/13/09	12/31/11
1565	Hydroxyphenylacetic acid, alpha-	90-64-2	dec			1.3		10/11/05	10/15/06	12/31/11
1566	Hydroxypropyl cellulose	9004-64-2						07/11/07		12/31/11
1567	Hydroxyquinoline sulfate, 8-	134-31-6	267	0.00166	25	1.034 @ 20C		10/11/05	10/15/06	12/31/11
1568	Hypophosphorous acid-d3; (Hydrophosphorus acid-d3 solution, 50 wt.% in D2O)	57583-56-9				1.35		07/11/07	05/27/10	02/07/12
1569	Hypophosphorus acid; (Phosphonic acid)	6303-21-5				1.439		08/07/98	06/02/09	12/31/11
1570	Imidazole	288-32-4	257			1.0303 @ 101C		04/14/04	10/15/06	12/31/11
1571	Imidazole hydrochloride	1467-16-9						10/11/05	10/15/06	12/31/11
1572	Iminodiacetic acid	142-73-4	247.5 dec					01/10/01	10/15/06	12/31/11
1573	Iminodiacetic acid, disodium salt hydrate	17593-73-6						10/11/05	09/10/09	12/31/11
1574	Indan	496-11-7	176.5			0.963		01/04/99		12/31/11
1575	Indene	95-13-6	182	0.75	12	0.996	10000	09/30/97	11/16/09	12/31/11
1576	Indeno(1,2,3-cd)pyrene	193-39-5						12/08/02	10/15/06	12/31/11
1577	Indigo carmine; (FD&C blue No 2)	860-22-0						08/07/98	10/15/06	12/31/11
1578	Indium	7440-74-6	2080			7.31 @ 20C		04/14/04	06/02/09	12/31/11
1579	Indium oxide (vapor)	1312-43-2b						07/02/08	06/02/09	12/31/11
1580	Indium sulfate	13464-82-9				3.44		10/11/05	08/17/07	12/31/11
1581	Indium trichloride	10025-82-8	600			4		08/07/98	08/17/07	12/31/11

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1582	Indium(III) oxide	1312-43-2a	277.64	mg/m^3	11.35	In2-O3	S	1913
1583	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	145.17	ppm	5.93	C9-H7-N-O		
1584	Iodic acid	7782-68-5	175.91	mg/m^3	7.19	HIO3	S	110 dec
1585	**Iodine**	**7553-56-2**	253.81	ppm	10.37	I2	S	113.7
1586	Iodine 125	17144-19-3	250	ppm	10.22	I2	S	sublimes
1587	Iodobenzene	591-50-4	204.01	mg/m^3	8.34	C6.H5.I	L	-29
1588	Iodoethane; (Ethyl iodide)	75-03-6	155.97	ppm	6.37	C2.H5.I	L	-108
1589	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	295.93	ppm	12.10	C3.F7.I	L	
1590	Iodopentane, 1-	628-17-1	198.06	mg/m^3	8.09	C5.H11.I	L	85.6
1591	Iotalamic acid	2276-90-6	613.92	mg/m^3	25.09	C11.H9.I3.N2.O4	S	285 dec.
1592	Iridium	7439-88-5	192.2	mg/m^3	7.86	Ir	S	2446
1593	Iron	7439-89-6	55.85	mg/m^3	2.28	Fe	S	1538
1594	Iron carbide	12011-67-5	179.55	mg/m^3	7.34	Fe3-C	S	
1595	Iron hydroxide oxide	20344-49-4	88.85	mg/m^3	3.63	FeHO2	S	
1596	Iron oxide; (Ferric oxide)	1309-37-1	159.69	mg/m^3	6.53	Fe2O3	S	1539
1597	**Iron pentacarbonyl**	**13463-40-6**	195.9	ppm	8.01	C5FeO5	L	-25
1598	Iron sulfide	1317-37-9	87.91	mg/m^3	3.59	FeS	S	1188
1599	Iron(II) chloride tetrahydrate	13478-10-9	198.83	mg/m^3	8.13	Cl2Fe.4H2O	S	105 dec
1600	Iron(II) oxide; (Ferrous oxide)	1345-25-1	73.85	mg/m3	3.018351	Fe.O	S	1377
1601	Iron(II) perchlorate hexahydrate	13520-69-9	353.3378	mg/m^3	14.44	Fe.Cl.O4.6(H2.O)		
1602	Iron(II,III) oxide; (Ferrosoferric oxide; Iron(III) oxide)	1317-61-9	231.533	mg/m^3	9.46	Fe3.O4	S	1597
1603	Iron(III) perchlorate	13537-24-1	354.1968	mg/m^3	14.48	Cl3.Fe.O12	S	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1582	Indium(III) oxide	1312-43-2a				7.18		12/08/02		12/31/11
1583	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8						12/08/02	10/15/06	12/31/11
1584	Iodic acid	7782-68-5				4.629		08/21/96	06/16/10	12/31/11
1585	**Iodine**	**7553-56-2**	184.4	0.75	35.9	4.933		08/21/96	11/16/09	
1586	Iodine 125	17144-19-3						04/14/04	06/03/09	
1587	Iodobenzene	591-50-4	188			1.823		07/11/07	05/27/10	12/31/11
1588	Iodoethane; (Ethyl iodide)	75-03-6	72.4	100	18	1.948 @ 15C		10/11/05	06/17/10	12/31/11
1589	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	41			2.04		07/11/07	06/17/10	12/31/11
1590	Iodopentane, 1-	628-17-1	157			1.5161 @ 20C		07/11/07	05/27/10	12/31/11
1591	Iotalamic acid	2276-90-6						10/11/05	12/23/11	12/23/11
1592	Iridium	7439-88-5	4428			21.56		07/11/07		12/31/11
1593	Iron	7439-89-6	2861	7.5x10-3	1455	7.87		09/30/97	11/16/09	12/31/11
1594	Iron carbide	12011-67-5						12/08/02	05/27/10	12/31/11
1595	Iron hydroxide oxide	20344-49-4				4.26		08/07/98	06/03/09	12/31/11
1596	Iron oxide; (Ferric oxide)	1309-37-1				5.25		08/21/96	01/25/12	01/25/12
1597	**Iron pentacarbonyl**	**13463-40-6**	103	40	30.3	1.453 @ 25C	37000	03/01/00	06/03/09	10/11/05
1598	Iron sulfide	1317-37-9	dec			4.7		02/08/12	02/13/12	
1599	Iron(II) chloride tetrahydrate	13478-10-9				1.93		06/13/02	05/27/10	12/31/11
1600	Iron(II) oxide; (Ferrous oxide)	1345-25-1				6		05/24/10	06/15/10	12/31/11
1601	Iron(II) perchlorate hexahydrate	13520-69-9						10/11/05	06/03/09	12/31/11
1602	Iron(II,III) oxide; (Ferrosoferric oxide; Iron(III) oxide)	1317-61-9				5.17		04/14/04	06/03/09	12/31/11
1603	Iron(III) perchlorate	13537-24-1						10/11/05	06/03/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1604	Iron(III) sulfate heptahydrate	35139-28-7	278.05	mg/m^3	11.36	Fe.S.O4.7H2.O	Shygr.	64
1605	Isoamyl acetate; (Isopentyl acetate)	123-92-2	130.21	ppm	5.32	C7H14O2	L	-78.5
1606	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	88.15	ppm	3.60	C5H12O	L	-117.2
1607	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	88.15	ppm	3.60	C5H12O	L	-69
1608	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	117.15	ppm	4.79	C5H11NO2	L	
1609	Isobenzan	297-78-9	411.73	mg/m^3	16.83	C9H4Cl8O	S	120-122
1610	Isobutanol-2-amine	124-68-5	89.16	mg/m^3	3.64	C4H11NO	S	30-31
1611	Isobutyl acetate	110-19-0	116.16	ppm	4.75	C6H12O2	L	-98.8
1612	Isobutyl alcohol	78-83-1	74.12	ppm	3.03	C4H10O	L	-101.9
1613	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	92.57	ppm	3.78	C4.H9.Cl	L	-130.3
1614	**Isobutyl chloroformate**	**543-27-1**	136.5779	ppm	5.58	C5.H9.Cl.O2	L	
1615	Isobutyl isobutyrate	97-85-8	144.24	mg/m^3	5.90	C8H16O2	L	-81
1616	Isobutylamine	78-81-9	73.16	ppm	2.99	C4H11N	L	-85.5
1617	Isobutyraldehyde	78-84-2	72.12	ppm	2.95	C4H8O	L	-65
1618	Isobutyric acid	79-31-2	88.12	ppm	3.60	C4H8O2	L	-47
1619	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	158.22	ppm	6.47	C8.H14.O3	L	-53.5
1620	**Isobutyronitrile**	**78-82-0**	69.11	ppm	2.82	C4H7N	L	-71.5
1621	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	26.02	mg/m^3	1.06	[Unspecified]	L/S	
1622	**Isocyanatoethyl methacrylate, 2-**	**30674-80-7**	155.15	ppm	6.34	C7H9NO3	L	
1623	Isocyanic acid	75-13-8	43.02	ppm	1.76	CHNO	G unstabl	
1624	Isocyanic acid, 3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	188.01	mg/m^3	7.68	C7H3Cl2NO	S	42-43
1625	Isodrin	465-73-6	364.9	mg/m^3	14.91	C12H8Cl6	S	240-242

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1604	Iron(III) sulfate heptahydrate	35139-28-7				2.99 - 3.08		10/11/05	06/03/09	12/31/11
1605	Isoamyl acetate; (Isopentyl acetate)	123-92-2	142.5	5.6	25	0.876 @ 15C	10000	06/13/02	06/03/09	12/31/11
1606	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	131.1	0.75	13	0.8104 @ 20^0C	12000	11/15/96	11/16/09	12/31/11
1607	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	116.25	7.5	24	0.8203 @ 20^0C	12000	11/15/96	11/16/09	12/31/11
1608	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	99.2			0.8828 @ 20^0C	16300	12/30/95	11/16/09	12/31/11
1609	Isobenzan	297-78-9		0.00001	25	1.87		12/08/02	06/03/09	12/31/11
1610	Isobutanol-2-amine	124-68-5	165			0.934		01/10/01	12/23/11	12/31/11
1611	Isobutyl acetate	110-19-0	116.5	7.5	10	0.8712 @ 20ºC	13000	09/30/97	11/16/09	12/31/11
1612	Isobutyl alcohol	78-83-1	107.89	7.5	20.9	0.8018 @ 20^0C	12000	12/30/95	01/03/12	01/03/12
1613	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	68.8			0.881 @ 20C	20000	10/11/05	10/11/05	12/31/11
1614	**Isobutyl chloroformate**	**543-27-1**	128.7			1.053		04/15/07	04/10/09	12/31/11
1615	Isobutyl isobutyrate	97-85-8	147.5	10	39.9	0.85-0.86	9600	01/04/99	10/15/06	12/31/11
1616	Isobutylamine	78-81-9	68.6	138	25	0.731 @ 20C	34000	06/13/02	05/27/10	12/31/11
1617	Isobutyraldehyde	78-84-2	64	173	25	0.7938 @ 20C	16000	06/13/02	06/03/09	12/31/11
1618	Isobutyric acid	79-31-2	118-119	1	14.7	0.949 @ 20C	20000	06/13/02	10/15/06	12/31/11
1619	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	181.5 @ 734mm			0.9535 @ 20C		07/11/07	02/25/08	12/31/11
1620	**Isobutyronitrile**	**78-82-0**	103.9	32.7	25	0.7704 @ 20^0C		11/30/92	11/16/09	
1621	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024						11/15/96	05/27/10	12/31/11
1622	**Isocyanatoethyl methacrylate, 2-**	**30674-80-7**						12/30/95	11/16/09	12/31/11
1623	Isocyanic acid	75-13-8		996	25			07/11/07		12/31/11
1624	Isocyanic acid, 3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	240	0.02	25			12/08/02	06/03/09	12/31/11
1625	Isodrin	465-73-6	344	0.00001	25			12/08/02	06/03/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1626	Isonate 181 MDI prepolymer	z-0113		mg/m^3			L	
1627	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	114.26	ppm	4.67	C18H18	L	-107.5
1628	Isopentane; (Ethyldimethylmethane; 2-Methylbutane)	78-78-4	72.17	ppm	2.95	C5H12	S	-160.5
1629	Isophorone	78-59-1	138.21	ppm	5.65	C9H14O	L	-8.1
1630	Isophorone diisocyanate	4098-71-9	222.32	ppm	9.09	C12H18N2O2	S	-60
1631	Isophthalic acid; (Phthalic acid, m isomer)	121-91-5	166.14	mg/m^3	6.79	C8.H6.O4	S	347.5
1632	**Isoprene**	**78-79-5**	68.13	ppm	2.78	H2C=C(CH3)CH=CH2	L	-146.7
1633	Isopropyl acetate	108-21-4	102.15	ppm	4.18	C5H10O2	L	-73
1634	Isopropyl alcohol	67-63-0	60.1	ppm	2.46	C3H8O	L	-87.9
1635	Isopropyl chloride; (2-Chloropropane)	75-29-6	78.54	ppm	3.21	CH3CHClCH3	L	-117
1636	**Isopropyl chloroformate; (Isopropyl chlorocarbonate)**	**108-23-6**	122.56	ppm	5.01	C4H7ClO2	L	-80
1637	Isopropyl ether; (Diisopropyl ether)	108-20-3	102.2	ppm	4.18	(CH3)2.CHOCH.(CH3)2	L	-60
1638	**Isopropyl methanefluoro-phosphonate; (Sarin; GB)**	**107-44-8**	140.09	ppm	5.73	C4H10FO2P	L	-57
1639	Isopropyl nitrate	1712-64-7	105.11	ppm	4.30	C3.H7.N.O3	L	
1640	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	72.07	mg/m^3	2.95	C3.H8.O.1/4 Ti	L	~20
1641	Isopropylamine; (2-Propanamine)	75-31-0	59.13	ppm	2.42	(CH3)2CHNH2	L	-101.2
1642	Isopropylmagnesium chloride; (Chloro(1-methylethyl)magnesium)	1068-55-9	102.8513	mg/m^3	4.20	C3.H7.Cl.Mg	L	
1643	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	211.3	mg/m^3	8.64	C10H17N3O2	L	
1644	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	134.24	mg/m^3	5.49	C10.H14	L	-68.9
1645	Jeffamine M-600	77110-54-4	600	mg/m^3	24.52		S	-40
1646	**Jet fuels, (JP-5 and JP-8)**	**70892-10-3**		mg/m^3		[Unspecified]	L	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1626	Isonate 181 MDI prepolymer	z-0113	200					12/08/02	06/03/09	06/03/09
1627	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	99.2	40.6	21	0.692 @ 20C	10000	01/04/99	05/27/10	12/31/11
1628	Isopentane; (Ethyldimethylmethane; 2-Methylbutane)	78-78-4	30.2	595	21.1	0.62	13000	06/13/02	06/03/09	12/31/11
1629	Isophorone	78-59-1	215.2	0.75	33.1	0.9255 @ 20^0C	8000	09/30/97	11/16/09	12/31/11
1630	Isophorone diisocyanate	4098-71-9	360	0.00001	25	1.062 @ 20C		12/08/02	06/03/09	12/31/11
1631	Isophthalic acid; (Phthalic acid, m isomer)	121-91-5	subl.	0.068	100	1.507 @ 20C		10/11/05	05/27/10	12/31/11
1632	**Isoprene**	**78-79-5**	34	400	550	0.679 @ 20ºC	10000	06/13/02	06/01/10	07/18/08
1633	Isopropyl acetate	108-21-4	88.4	40	17	0.874	17000	01/04/99	06/03/09	12/31/11
1634	Isopropyl alcohol	67-63-0	82.3	75	33.6	0.7809	20000	11/30/92	11/12/09	12/31/11
1635	Isopropyl chloride; (2-Chloropropane)	75-29-6	34.8	515.3	25	0.868 @ 15C	28000	06/13/02	06/03/09	12/31/11
1636	**Isopropyl chloroformate; (Isopropyl chlorocarbonate)**	**108-23-6**	105	72	21	1.078		03/01/00	06/03/09	12/31/11
1637	Isopropyl ether; (Diisopropyl ether)	108-20-3	68.5	150	25	0.719	10000	04/15/07	06/03/09	12/31/11
1638	**Isopropyl methanefluoro-phosphonate; (Sarin; GB)**	**107-44-8**	147	2.86	25	1.10 @ 20^0C		07/09/97	06/03/09	10/11/05
1639	Isopropyl nitrate	1712-64-7	102			1.036		07/11/07	06/01/10	12/31/11
1640	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	220			0.9711 @ 20C		04/14/04	10/15/06	12/31/11
1641	Isopropylamine; (2-Propanamine)	75-31-0	33-34	579.6	25	0.694 @ 15C	20000	06/13/02	06/03/09	12/31/11
1642	Isopropylmagnesium chloride; (Chloro(1-methylethyl)magnesium)	1068-55-9				0.834		04/14/04	10/15/06	12/31/11
1643	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	295	0.001	25	1.07 @ 20C		12/08/02	06/03/09	12/31/11
1644	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	177.1	1.5	25	0.853	7000	07/11/07	10/15/06	12/31/11
1645	Jeffamine M-600	77110-54-4						10/11/05	06/03/09	10/11/05
1646	**Jet fuels, (JP-5 and JP-8)**	**70892-10-3**				0.8		07/09/97	11/16/09	

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1647	Kaolin; (Aluminum silicate hydroxide; Fuller's earth [8031-18-3])	1332-58-7		mg/m^3			S	1760
1648	Kepone; (Chlordecone)	143-50-0	490.64	mg/m^3	20.05	C10Cl10O	S	350 dec
1649	**Kerosene; (Fuel Oil No 1)**	**8008-20-6**	170	mg/m^3	6.95	[Unknown]	L	-46
1650	**Ketene; (Carbomethene, Ethenone)**	**463-51-4**	42.04	ppm	1.72	C2H2O	G	-151
1651	Krypton	7439-90-9	83.8	ppm	3.43	Kr	G	-157.1
1652	Lactic acid	50-21-5	90.09	mg/m^3	3.68	C3H6O3	L	16.8
1653	Lactic acid, sodium salt, DL-; (Propanoic acid, 2-hydroxy-, monosodium salt)	312-85-6	113.06837	mg/m^3	4.62	C3.H6.O3.Na	S	
1654	Lactonitrile	78-97-7	71.09	mg/m^3	2.91	C3H5NO	L	-40
1655	Lactose, beta-D-; (beta-D-Glucopyranose, 4-O-beta-D-galactopyranosyl-)	5965-66-2	342.3	mg/m^3	13.99	C12.H22.O11	S	254
1656	Lanthanum	7439-91-0	138.91	mg/m^3	5.68	La	S	920
1657	Lanthanum alizarin	z-0026		mg/m^3		[Unknown]		
1658	Lanthanum boride	12008-21-8	203.7655	mg/m^3	8.33	La.B6	S	2715
1659	Lanthanum carbonate	6487-39-4	601.96	mg/m^3	24.60	La2(CO3)3.8H2O	S	
1660	Lanthanum chloride	10099-58-8	245.26	mg/m^3	10.02	La.Cl3	S deliq	860
1661	Lanthanum fluoride	13709-38-1	195.9	mg/m^3	8.01	LaF3	S	
1662	Lanthanum hydroxide	14507-19-8	189.92752	mg/m^3	7.76	La(OH)3	S	dec
1663	Lanthanum nitrate	10099-59-9	324.94	mg/m^3	13.28	LaN3O9	Sdeliq	~40
1664	Lanthanum oxide	1312-81-8	325.82	mg/m^3	13.32	La2O3	S	2315
1665	Lanthanum phosphate	14913-14-5	233.876	mg/m^3	9.56	LaPO4	S	
1666	Lanthanum(III) nitrate hexahydrate	10277-43-7	433.06	mg/m^3	17.70	La.3(NO3).6 H2O	S	~40
1667	Laromin C 260; (bis(4-Amino-3-methylcyclohexyl) methane; Dimethyldicyane)	6864-37-5	238.47	mg/m^3	9.75	C15.H30.N2	L	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1647	Kaolin; (Aluminum silicate hydroxide; Fuller's earth [8031-18-3])	1332-58-7				1.8 - 2.6		04/14/04	05/21/10	12/31/11
1648	Kepone; (Chlordecone)	143-50-0		2.25x10-7	25	1.61		12/30/95	12/01/09	12/31/11
1649	**Kerosene; (Fuel Oil No 1)**	**8008-20-6**	175-325	0.48	20	~ 0.80 (no temp)	6000	08/21/96	11/16/09	
1650	**Ketene; (Carbomethene, Ethenone)**	**463-51-4**	-49.8	750	-50			09/30/97	11/16/09	04/20/07
1651	Krypton	7439-90-9	-152.9			2.89		04/14/04	06/03/09	08/17/07
1652	Lactic acid	50-21-5	122 @ 15mm			1.249		08/07/98	06/03/09	12/31/11
1653	Lactic acid, sodium salt, DL-; (Propanoic acid, 2-hydroxy-, monosodium salt)	312-85-6						07/11/07		12/31/11
1654	Lactonitrile	78-97-7	221	0.119	25	0.9834		12/08/02	06/03/09	12/31/11
1655	Lactose, beta-D-; (beta-D-Glucopyranose, 4-O-beta-D-galactopyranosyl-)	5965-66-2				1.59 @ 20C		04/14/04	06/03/09	12/31/11
1656	Lanthanum	7439-91-0	3464			6.166		01/04/99	06/03/09	12/31/11
1657	Lanthanum alizarin	z-0026						08/07/98	06/03/09	12/31/11
1658	Lanthanum boride	12008-21-8				4.76		04/14/04	06/03/09	12/31/11
1659	Lanthanum carbonate	6487-39-4				2.6		08/07/98	06/03/09	12/31/11
1660	Lanthanum chloride	10099-58-8	1000			3.84		10/11/05	06/03/09	12/31/11
1661	Lanthanum fluoride	13709-38-1						08/07/98	06/03/09	12/31/11
1662	Lanthanum hydroxide	14507-19-8						12/08/02	06/03/09	10/15/06
1663	Lanthanum nitrate	10099-59-9	~126					09/30/97	01/25/12	01/25/12
1664	Lanthanum oxide	1312-81-8	4200			6.51		08/21/96	11/16/09	12/31/11
1665	Lanthanum phosphate	14913-14-5						12/08/02	06/03/09	
1666	Lanthanum(III) nitrate hexahydrate	10277-43-7	126 dec					04/14/04	06/03/09	12/31/11
1667	Laromin C 260; (bis(4-Amino-3-methylcyclohexyl) methane; Dimethyldicyane)	6864-37-5	93-100			0.94		09/30/97	06/03/09	12/31/11

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1668	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	266.4	mg/m^3	10.89	C12.H26.O4.S	S	
1669	Lead	7439-92-1	207.2	mg/m^3	8.47	Pb	S	327.462
1670	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	379.35	mg/m^3	15.50	C4H12O7Pb	S	75 dec
1671	Lead acetate, basic; (Lead subacetate)	1335-32-6	807.7	mg/m^3	33.01	C4H10O8Pb3	S	dec
1672	Lead acetate; (Lead diacetate)	301-04-2	325.29	mg/m^3	13.30	C4H6O4Pb	Pwdr	75
1673	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	347.1	mg/m^3	14.19	AsHO4Pb	S	280 dec
1674	Lead arsenate; (Trilead diarsenate)	3687-31-8	899.4	mg/m^3	36.76	As2O8Pb3	S	1042 dec
1675	Lead bromide	10031-22-8	367.01	mg/m^3	15.00	Br2Pb	S	373
1676	Lead carbonate	598-63-0	267.21	mg/m^3	10.92	Pb.CO3	S	315
1677	Lead chloride	7758-95-4	278.09	mg/m^3	11.37	Cl2Pb	S	501
1678	Lead chromate	7758-97-6	323.2	mg/m^3	13.21	CrO4Pb	S	844
1679	Lead dioxide	1309-60-0	239.2	mg/m^3	9.78	O2Pb	S	290 dec
1680	Lead fluoborate	13814-96-5	380.81	mg/m^3	15.56	Pb.B2F8	L	
1681	Lead fluoride	7783-46-2	245.2	mg/m^3	10.02	F2Pb	S	855
1682	Lead hydroxide	19783-14-3	241.21	mg/m^3	9.86	Pb.(OH)2	S	
1683	Lead iodide	10101-63-0	461.01	mg/m^3	18.84	I2Pb	S	402
1684	Lead nitrate	10099-74-8	331.2	mg/m^3	13.54	N2O6Pb	S	470
1685	Lead nitrite	13826-65-8	299.2	mg/m^3	12.23	Pb(NO2)2	S	
1686	Lead oxalate	814-93-7	295.2196	mg/m^3	12.07	Pb.(COOH)2	S	
1687	Lead oxide; (Lead monoxide)	1317-36-8	223.2	mg/m^3	9.12	OPb	S	888
1688	Lead phosphate	7446-27-7	811.51	mg/m^3	33.17	3Pb.P2O8	S	1014
1689	Lead sulfate; (Sulfuric acid, lead(2+) salt (1:1))	7446-14-2	303.25	mg/m^3	12.39	O4PbS	S	1170

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

Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1668	Lauryl sulfate; (Dodecyl sulfate)	151-41-7						07/11/07		12/31/11
1669	Lead	7439-92-1	1749	7.5x10-3	705	11.3		12/30/95	12/23/11	12/23/11
1670	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4				2.55		12/30/95	06/01/10	12/31/11
1671	Lead acetate, basic; (Lead subacetate)	1335-32-6	200 dec					12/30/95	06/01/10	12/31/11
1672	Lead acetate; (Lead diacetate)	301-04-2	>200 decomp			2.55		01/04/99	06/01/10	12/31/11
1673	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9				5.943		09/30/97	07/09/10	12/31/11
1674	Lead arsenate; (Trilead diarsenate)	3687-31-8				5.8		09/30/97	06/28/10	12/31/11
1675	Lead bromide	10031-22-8	916			6.66		08/07/98	06/01/10	12/31/11
1676	Lead carbonate	598-63-0	400 dec			6.61		12/08/02	01/25/12	01/25/12
1677	Lead chloride	7758-95-4	950	1	547	5.85		08/07/98	01/03/12	01/03/12
1678	Lead chromate	7758-97-6	dec			6.12		09/30/97	01/27/12	01/27/12
1679	Lead dioxide	1309-60-0				9.64		09/30/97	11/20/09	12/31/11
1680	Lead fluoborate	13814-96-5				1.75 @ 20C		06/13/02	06/04/09	12/31/11
1681	Lead fluoride	7783-46-2	1290	10	904	7.75 cubic		08/07/98	01/09/12	01/09/12
1682	Lead hydroxide	19783-14-3						05/20/08	06/01/10	12/31/11
1683	Lead iodide	10101-63-0	954			6.16		08/07/98	06/02/10	12/31/11
1684	Lead nitrate	10099-74-8				4.53		07/09/97	02/17/12	02/17/12
1685	Lead nitrite	13826-65-8						12/08/02	06/02/10	12/31/11
1686	Lead oxalate	814-93-7						12/08/02	06/28/10	12/31/11
1687	Lead oxide; (Lead monoxide)	1317-36-8		7.5x10-3	724	9.35		08/21/96	01/09/12	01/09/12
1688	Lead phosphate	7446-27-7				6.9-7.3		06/13/02	01/25/12	01/25/12
1689	Lead sulfate; (Sulfuric acid, lead(2+) salt (1:1))	7446-14-2				6.2		01/04/99	06/04/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1690	Lead sulfide	1314-87-0	239.25	mg/m^3	9.78	Pb.S	S	1114
1691	Lead tetroxide	1314-41-6	685.6	mg/m^3	28.02	O4Pb3	S	830
1692	Lead(II) arsenite	10031-13-7	421	mg/m^3	17.21	As2O4Pb	S	
1693	Lead(II) perchlorate trihydrate	13453-62-8	460.15	mg/m^3	18.81	Cl2H6O11Pb	S	
1694	Leco set 7007 powder	z-0027		mg/m^3		[Unknown]		
1695	Leptophos; (Fosvel)	21609-90-5	412.07	mg/m^3	16.84	C13.H10.Br.Cl.O2.P.S	S	70.2-70.4
1696	**Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)**	**40334-69-8**	233.35	mg/m^3	9.54	C4.H4.As.Cl3	L	
1697	**Lewisite 3; (Tris(2-chlorovinyl)arsine)**	**40334-70-1**	259.394	mg/m^3	10.60	C6.H6.As.Cl3	L	
1698	Lignosulfonate (aqueous)	8062-15-5		mg/m^3		[Unknown]	L	
1699	Limestone; (Calcium carbonate; Dolomite)	1317-65-3	100.09	mg/m^3	4.09	Ca.C.O3	S	
1700	Limonene, d-	5989-27-5	136.26	ppm	5.57	C10H16	L	-74.35
1701	Lindane; (gamma-Benzenehexachloride)	58-89-9	290.83	mg/m^3	11.89	C6H6Cl6	S	112.5
1702	Linseed oil	8001-26-1		mg/m^3		[Unknown]	L	-24
1703	Liquified petroleum gas; (L.P.G.)	68476-85-7	43.9	ppm	1.79	[Unspecified]	G	
1704	Lithium	7439-93-2	6.94	mg/m^3	0.28	Li	S	180.5
1705	Lithium acetate dihydrate	6108-17-4	102.016	mg/m^3	4.17	Li.C2.H3.O2.2 H2O	S	58
1706	Lithium aluminate	12003-67-7	65.92034	mg/m^3	2.69	Al.Li.O2	S	
1707	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	65.92	mg/m^3	2.69	AlLiO	S	1900-2000
1708	Lithium aluminum silicate; (Petalite)	1302-66-5	306.28	mg/m^3	12.52	AlLiO10Si4	S	
1709	Lithium azide	19597-69-4	48.96	mg/m^3	2.00	LiN3	S	115-298
1710	Lithium borohydride; (Lithium tetrahydroborate)	16949-15-8	21.78	mg/m^3	0.89	BH4Li	S pwd	268
1711	Lithium bromide	7550-35-8	86.85	mg/m^3	3.55	BrLi	S	550

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1690	Lead sulfide	1314-87-0	1281	1	852	7.5		06/13/02	06/04/09	12/31/11
1691	Lead tetroxide	1314-41-6				8.92		09/30/97	11/20/09	12/31/11
1692	Lead(II) arsenite	10031-13-7				5.85		01/10/01	07/06/10	12/31/11
1693	Lead(II) perchlorate trihydrate	13453-62-8						10/11/05	06/04/09	12/31/11
1694	Leco set 7007 powder	z-0027						08/07/98	06/04/09	12/31/11
1695	Leptophos; (Fosvel)	21609-90-5	380	0.000002	25	1.53 @ 25C		12/08/02	06/04/09	12/31/11
1696	**Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)**	**40334-69-8**						10/11/05	06/04/09	04/20/07
1697	**Lewisite 3; (Tris(2-chlorovinyl)arsine)**	**40334-70-1**						10/11/05	06/04/09	04/20/07
1698	Lignosulfonate (aqueous)	8062-15-5						09/30/97	11/20/09	12/31/11
1699	Limestone; (Calcium carbonate; Dolomite)	1317-65-3						09/30/97	10/21/09	12/31/11
1700	Limonene, d-	5989-27-5	175.5-176	20	68.2	0.8402	7000	01/04/99	06/04/09	12/31/11
1701	Lindane; (gamma-Benzenehexachloride)	58-89-9	323.4	4.20x10-5	20	1.85 no temp		12/30/95	11/20/09	12/31/11
1702	Linseed oil	8001-26-1	>316			0.925-0.935 no temp		09/30/97	11/20/09	12/31/11
1703	Liquified petroleum gas; (L.P.G.)	68476-85-7					19000	01/04/99	06/04/09	12/31/11
1704	Lithium	7439-93-2	1342	5.92E-13	127	0.534		12/30/95	12/09/11	12/31/11
1705	Lithium acetate dihydrate	6108-17-4				1.3		04/14/04		12/31/11
1706	Lithium aluminate	12003-67-7						10/11/05	06/04/09	12/31/11
1707	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7				2.5525		08/07/98	09/10/10	12/31/11
1708	Lithium aluminum silicate; (Petalite)	1302-66-5						08/07/98	07/06/10	12/31/11
1709	Lithium azide	19597-69-4						08/07/98	06/04/09	12/31/11
1710	Lithium borohydride; (Lithium tetrahydroborate)	16949-15-8	380 dec			0.66		07/11/07	06/02/10	12/31/11
1711	Lithium bromide	7550-35-8	~ 1300	7.5x10-2	630	3.464		11/30/92	11/30/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1712	Lithium carbonate	554-13-2	73.89	mg/m^3	3.02	CLi2O3	S	720
1713	Lithium chloride	7447-41-8	42.39	mg/m^3	1.73	Li.Cl	S	610
1714	Lithium chromate; (Lithium chromium oxide)	14307-35-8	129.88	mg/m^3	5.31	CrLi2O4	S	75 dec
1715	Lithium deuteride	13587-16-1	8.96	mg/m^3	0.37	LiD	S	680
1716	Lithium diisopropylamide; (LDA)	4111-54-0	107.1233	mg/m^3	4.38	C6.H14.Li.N	S	
1717	Lithium fluoride	7789-24-4	25.94	mg/m^3	1.06	FLi	S	848
1718	**Lithium hydride**	**7580-67-8**	7.95	mg/m^3	0.32	HLi	S	692
1719	Lithium hydroxide	1310-65-2	23.95	mg/m^3	0.98	HLiO	S crystals	473
1720	Lithium hydroxide monohydrate	1310-66-3	41.97	mg/m^3	1.72	Li.OH.H2O	S	
1721	Lithium iodide	10377-51-2	133.8445	mg/m^3	5.47	Li.I	S	469
1722	Lithium metaborate, anhydrous	13453-69-5	49.751	mg/m^3	2.03	Li.B.O2	S hygr	849
1723	Lithium molybdate	13568-40-6	173.82	mg/m^3	7.10	Li2MoO4	S	705
1724	Lithium niobium oxide; (Lithium niobate)	12031-63-9	147.85	mg/m^3	6.04	LiNbO3	S	1250
1725	Lithium nitrate	7790-69-4	68.95	mg/m^3	2.82	LiNO3	S	253
1726	Lithium nitride	26134-62-3	34.83	mg/m^3	1.42	Li3N	S	813
1727	Lithium nitrite	13568-33-7	52.94	mg/m^3	2.16	Li.N.O2	S	
1728	Lithium oxide	12057-24-8	29.88	mg/m3	1.22	Li2.O	S crystals	1438
1729	Lithium perchlorate, anhydrous	7791-03-9	106.39	mg/m^3	4.35	Li.Cl.O4	L	
1730	Lithium silicon	68848-64-6	97.817	mg/m^3	4.00	Li6.Si2	S	
1731	Lithium stearate	4485-12-5	290.47	mg/m^3	11.87	Li.C18.H35.O2	S	220
1732	Lithium sulfate	10377-48-7	109.94	mg/m^3	4.49	Li2O4S	S	859
1733	Lithium tetraborate	12007-60-2	169.12	mg/m^3	6.91	B4Li2O7	S	930

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1712	Lithium carbonate	554-13-2	1200 dec			2.11		08/07/98	08/17/07	12/31/11
1713	Lithium chloride	7447-41-8	1350	1	547	2.07		04/14/04	08/17/07	12/31/11
1714	Lithium chromate; (Lithium chromium oxide)	14307-35-8				2.15 no temp		11/30/92	01/16/12	01/16/12
1715	Lithium deuteride	13587-16-1				0.906		08/07/98	06/04/09	06/04/09
1716	Lithium diisopropylamide; (LDA)	4111-54-0				0.79		07/11/07	06/04/09	12/31/11
1717	Lithium fluoride	7789-24-4	1676	1	1047	2.635		08/07/98	06/04/09	12/31/11
1718	**Lithium hydride**	**7580-67-8**		~0	no temp	0.78		11/30/92	11/30/09	04/20/07
1719	Lithium hydroxide	1310-65-2	1626			1.45		11/30/92	11/30/09	12/31/11
1720	Lithium hydroxide monohydrate	1310-66-3				1.51		04/14/04	10/15/06	12/31/11
1721	Lithium iodide	10377-51-2	1171			4.06		10/11/05	06/05/09	12/31/11
1722	Lithium metaborate, anhydrous	13453-69-5	1719			2.18		12/08/02	06/04/09	12/31/11
1723	Lithium molybdate	13568-40-6				2.66		08/07/98	06/05/09	12/31/11
1724	Lithium niobium oxide; (Lithium niobate)	12031-63-9						08/07/98	06/05/09	12/31/11
1725	Lithium nitrate	7790-69-4				2.38		09/30/97	11/30/09	12/31/11
1726	Lithium nitride	26134-62-3				1.27		09/30/97	11/30/09	12/31/11
1727	Lithium nitrite	13568-33-7						12/08/02	10/15/06	
1728	Lithium oxide	12057-24-8				2.013		01/29/10	03/30/10	12/31/11
1729	Lithium perchlorate, anhydrous	7791-03-9						10/11/05	10/15/06	12/31/11
1730	Lithium silicon	68848-64-6						09/02/08	12/09/11	12/31/11
1731	Lithium stearate	4485-12-5				1.03		04/14/04	10/15/06	12/31/11
1732	Lithium sulfate	10377-48-7						01/04/99	10/15/06	12/31/11
1733	Lithium tetraborate	12007-60-2				2.4		08/07/98	06/02/10	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1734	Lithium tetraborate pentahydrate	1303-94-2	259.19	mg/m^3	10.59	B4H10Li2O12	S	845
1735	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	37.96	mg/m^3	1.55	Al.H4.Li	S reacts H2O	125 dec
1736	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6	106.9494	mg/m^3	4.37	C6.H15.B.D.Li		
1737	Lithium triethylborohydride; (Super-hydride)	22560-16-3	105.94	mg/m^3	4.33	Li.(C2.H5)3. BH	S	
1738	Lubricating oil, rerefined	68476-77-7		mg/m^3			L	
1739	Lutetium	7439-94-3	174.967	mg/m^3	7.15	Lu	S	1663
1740	Lutetium oxide	12032-20-1	397.93	mg/m^3	16.26	Lu2O3	S	2500
1741	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	107.17	ppm	4.38	C7.H9.N	L	-5.8
1742	Magnesium	7439-95-4	24.31	mg/m^3	0.99	Mg	S	650
1743	Magnesium acetate tetrahydrate	16674-78-5	250.3012	mg/m^3	10.23	Mg.C4.H6.O4.6 H2O	L	
1744	**Magnesium aluminum phosphide**	**z-0116**	192.82	ppm	7.88	Mg3.Al.P3	S	
1745	Magnesium carbonate hydroxide	7760-50-1	395.58	mg/m^3	16.17	C2.H2.Mg5.O14	S	
1746	Magnesium carbonate; (Magnesite)	546-93-0	84.31	mg/m^3	3.45	CMgO3	S crystals	990
1747	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	395.5764	mg/m^3	16.17	C4.H2.Mg5.O14	S	
1748	Magnesium chloride	7786-30-3	95.21	mg/m^3	3.89	Cl2Mg	S	714
1749	Magnesium chloride hexahydrate	7791-18-6	203.33	mg/m^3	8.31	Mg.Cl2-6H2O	S	118 dec
1750	Magnesium ethoxide	2414-98-4	116.44	mg/m^3	4.76	C4.H10.Mg.O2	S	
1751	Magnesium fluoride	7783-40-6	62.3	mg/m^3	2.55	F2Mg	S	1263
1752	Magnesium formate	557-39-1	114.34	mg/m^3	4.67	C2H2MgO4	S	
1753	Magnesium hydroxide	1309-42-8	58.33	mg/m^3	2.38	H2MgO2	S amor	350 dec
1754	Magnesium iodate tetrahydrate	7790-32-1	446.172	mg/m^3	18.24	Mg.(I.O3)2.4(H2.O)	S	210 dec
1755	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	148.33	mg/m^3	6.06	MgN2O6	S	95-100

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1734	Lithium tetraborate pentahydrate	1303-94-2				1.39741		08/07/98	06/02/10	12/31/11
1735	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3				0.92		10/11/05	06/02/10	12/31/11
1736	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6				0.898		07/11/07	06/05/09	12/31/11
1737	Lithium triethylborohydride; (Super-hydride)	22560-16-3						07/11/07	06/02/10	12/31/11
1738	Lubricating oil, rerefined	68476-77-7						07/11/07	06/05/09	12/31/11
1739	Lutetium	7439-94-3	3402			9.84		07/11/07	06/02/10	12/31/11
1740	Lutetium oxide	12032-20-1				9.42		08/07/98	06/05/09	12/31/11
1741	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	144	5.65	25	0.9252 @ 20C		07/11/07		12/31/11
1742	Magnesium	7439-95-4	1090	7.5x10-3	428	1.74		07/09/97	11/30/09	12/31/11
1743	Magnesium acetate tetrahydrate	16674-78-5						04/14/04	06/05/09	02/07/12
1744	**Magnesium aluminum phosphide**	**z-0116**						09/05/08	02/13/12	02/13/12
1745	Magnesium carbonate hydroxide	7760-50-1						10/11/05	06/05/09	12/31/11
1746	Magnesium carbonate; (Magnesite)	546-93-0				3.01		07/09/97	11/30/09	12/31/11
1747	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0						10/11/05	06/03/10	12/31/11
1748	Magnesium chloride	7786-30-3	1412			2.325		08/07/98	06/05/09	12/31/11
1749	Magnesium chloride hexahydrate	7791-18-6				1.59		04/14/04	06/05/09	12/31/11
1750	Magnesium ethoxide	2414-98-4						10/11/05	06/03/10	12/31/11
1751	Magnesium fluoride	7783-40-6	2227			3.148		09/30/97	11/30/09	12/31/11
1752	Magnesium formate	557-39-1						08/07/98	06/05/09	12/31/11
1753	Magnesium hydroxide	1309-42-8				2.36		01/04/99	06/05/09	12/31/11
1754	Magnesium iodate tetrahydrate	7790-32-1				3.3		10/11/05	06/05/09	12/31/11
1755	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	330 dec			1.45		08/07/98	06/05/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1756	Magnesium oxide	1309-48-4	40.3	mg/m^3	1.65	MgO	S pwd	2825
1757	**Magnesium phosphide**	**12057-74-8**	134.87	ppm	5.51	Mg3.P2	S	
1758	Magnesium silicate hydrate	1343-90-4	278.91	mg/m^3	11.40	H2Mg2O9Si3	S	
1759	Magnesium silicate; (Florisil)	1343-88-0		mg/m^3			S	
1760	Magnesium sulfate (1:1)	7487-88-9	120.37	mg/m^3	4.92	Mg.S.O4	S	1127
1761	Magnesium sulfate heptahydrate	10034-99-8	246.51	mg/m^3	10.08	Mg.S.O4.7H2O	S	loses 7H2O @ 200
1762	Magnesium(II) nitrate (1:2), hexahydrate	13446-18-9	256.45	mg/m^3	10.48	Mg.N2.O6.6H2.O	S delq	89
1763	**Malathion**	**121-75-5**	330.36	mg/m^3	13.50	C10H19O6PS2	L	1.4
1764	Maleic acid	110-16-7	116.08	mg/m^3	4.74	C4H4O4	S	138-139
1765	Maleic acid, disodium salt	371-47-1	277.01	mg/m^3	11.32	C4.H4.O4.xNa	S	
1766	**Maleic anhydride**	**108-31-6**	98.06	ppm	4.01	C4H2O3	S	52.56
1767	Maleic hydrazide; (3,6-Pyridazinedione, 1,2-dihydro-)	123-33-1	112.1	mg/m^3	4.58	C4.H4.N2.O2	S	>300
1768	Malic acid, DL-	617-48-1	134.09	mg/m^3	5.48	C4.H6.O5	S	132
1769	Malonic acid; (Carboxyacetic acid)	141-82-2	104.07	mg/m^3	4.25	C3H4O4	S	135.6
1770	Mancozeb; (Dithane M-45)	8018-01-7	541.03	mg/m^3	22.11	C4.H6.Mn.N2.S4*C4.H6.N2.S4.Zn	S powder	192-204 dec.
1771	Manganese	7439-96-5	54.94	mg/m^3	2.25	Mn	S	1246
1772	Manganese carbonate	598-62-9	114.95	mg/m^3	4.70	Mn.C.H2.O3	S	
1773	Manganese dioxide	1313-13-9	86.94	mg/m^3	3.55	MnO2	S	535 dec
1774	Manganese hydroxide	18933-05-6	88.953	mg/m^3	3.64	H2MnO2	S	dec
1775	Manganese nitrite	18488-90-9	146.9474	mg/m^3	6.01	Mn(NO2)2	S	
1776	Manganese oxalate	640-67-5	142.95	mg/m^3	5.84	MnC2O4	S	
1777	Manganese oxide; (Manganese tetroxide)	1317-35-7	228.82	mg/m^3	9.35	Mn3O4	S	1564

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1756	Magnesium oxide	1309-48-4	3600	51.5	2832	3.6		12/30/95	02/17/12	02/17/12
1757	**Magnesium phosphide**	**12057-74-8**						09/05/08	02/13/12	02/13/12
1758	Magnesium silicate hydrate	1343-90-4						09/30/97	11/30/09	12/31/11
1759	Magnesium silicate; (Florisil)	1343-88-0				2.5		07/02/08	06/05/09	12/31/11
1760	Magnesium sulfate (1:1)	7487-88-9				2.66		04/14/04	10/15/06	12/31/11
1761	Magnesium sulfate heptahydrate	10034-99-8	1124 dec			1.68		04/14/04	07/18/08	12/31/11
1762	Magnesium(II) nitrate (1:2), hexahydrate	13446-18-9	330 dec			1.464		04/14/04	06/05/09	12/31/11
1763	**Malathion**	**121-75-5**	156 @ 0.7mmHg	1.78x10-4	25	1.2076 @ 20˚C		09/30/97	06/03/10	01/21/10
1764	Maleic acid	110-16-7	135 dec	3.59E-05	25	1.59		08/07/98	10/15/06	12/31/11
1765	Maleic acid, disodium salt	371-47-1						10/11/05	10/15/06	12/31/11
1766	**Maleic anhydride**	**108-31-6**	202	7.5	73.7	1.314 @ 60˚C	14000	12/30/95	06/05/09	03/11/11
1767	Maleic hydrazide; (3,6-Pyridazinedione, 1,2-dihydro-)	123-33-1				1.6		06/13/02	01/19/12	01/19/12
1768	Malic acid, DL-	617-48-1				1.25		10/11/05	10/15/06	12/31/11
1769	Malonic acid; (Carboxyacetic acid)	141-82-2				1.63		08/07/98	06/05/09	12/31/11
1770	Mancozeb; (Dithane M-45)	8018-01-7						07/11/07	06/05/09	12/31/11
1771	Manganese	7439-96-5	2061	7.5x10-3	955	7.3		09/30/97	11/30/09	12/31/11
1772	Manganese carbonate	598-62-9	200 dec			3.7		12/08/02	06/05/09	12/31/11
1773	Manganese dioxide	1313-13-9				5.08		08/21/96	11/30/09	12/31/11
1774	Manganese hydroxide	18933-05-6				3.26		01/10/01	06/05/09	12/31/11
1775	Manganese nitrite	18488-90-9						12/08/02	06/05/09	12/31/11
1776	Manganese oxalate	640-67-5						12/08/02	06/05/09	12/31/11
1777	Manganese oxide; (Manganese tetroxide)	1317-35-7				4.7		08/07/98	07/06/10	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1778	Manganese phosphate	10124-54-6	354.75	mg/m^3	14.50	Mn3.(P.O4)2	S	
1779	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	218.1	mg/m^3	8.91	MnO3C9H7	L/S	1.5
1780	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	125.84	mg/m^3	5.14	Cl2Mn	S deliq	654
1781	Manganese(II) chloride tetrahydrate	13446-34-9	197.92	mg/m^3	8.09	Mn.Cl2.4 H2O	S	58
1782	Manganese(II) nitrate hexahydrate	10377-66-9	287.039	mg/m^3	11.73	MnN2O6 6H2O	S	28 dec
1783	Manganese(II) nitrate hydrate	15710-66-4	196.963	mg/m^3	8.05	H2.Mn.N2.O7	S	
1784	Manganese(II) sulfate monohydrate	10034-96-5	169.02	mg/m^3	6.91	Mn.O4.S.H2.O	S	700
1785	Manganese(III) oxide	1317-34-6	157.88	mg/m^3	6.45	Mn2.O3	S	871-887
1786	Manganese(VII) oxide	12057-92-0	221.88	mg/m^3	9.07	Mn2O7	L	5.9
1787	Manganous oxide; (Manganese(II) oxide)	1344-43-0	70.94	mg/m^3	2.90	MnO	S	1650
1788	Manganous sulfate	7785-87-7	151	mg/m^3	6.17	MnO4S	S	700
1789	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	87	mg/m^3	3.56	MnS	S	3.99
1790	Mastic (resin)	61789-92-2		mg/m^3		[Unspecified]	S	
1791	Melamine	108-78-1	126.15	mg/m^3	5.16	C3H6N6	S	347
1792	Memtetrahydrophthalic anhydride; (Tetrahydrophthalic anhydride)	85-43-8	152.1494	mg/m^3	6.22	C8.H8.O3	S	101.9
1793	Mephosfolan	950-10-7	269.34	mg/m^3	11.01	C8H16NO3PS2	S	
1794	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	92.12	ppm	3.77	C2.H4.O2.S	L	-16.5
1795	Mercaptobenzoic acid, o-	147-93-3	154.19	mg/m^3	6.30	C7.H6.O2.S	S	164
1796	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4	167.25	mg/m^3	6.84	C7H5NS2	S	177-179
1797	Mercaptoethanol, 2-	60-24-2	78.14	ppm	3.19	C2.H6.O.S	L	
1798	Mercaptopropionic acid, 3-	107-96-0	106.15	mg/m^3	4.34	C3.H6.O2.S	I	16.8
1799	Mercuric acetate	1600-27-7	318.69	mg/m^3	13.03	Hg.C4.H6.O4	S	178-180

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1778	Manganese phosphate	10124-54-6						12/08/02	06/05/09	12/31/11
1779	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	233	7.3	100	1.388 @ 20ºC		06/13/02	07/06/10	12/31/11
1780	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	1225			2.977		01/10/01	06/05/09	12/31/11
1781	Manganese(II) chloride tetrahydrate	13446-34-9				2.01		04/14/04	07/06/10	12/31/11
1782	Manganese(II) nitrate hexahydrate	10377-66-9				1.8		09/30/97	11/30/09	12/31/11
1783	Manganese(II) nitrate hydrate	15710-66-4						10/11/05	06/05/09	12/31/11
1784	Manganese(II) sulfate monohydrate	10034-96-5	850 dec			3.25		04/14/04	06/05/09	12/31/11
1785	Manganese(III) oxide	1317-34-6	dec			5		10/11/05	06/05/09	12/31/11
1786	Manganese(VII) oxide	12057-92-0						12/08/02	06/05/09	12/31/11
1787	Manganous oxide; (Manganese(II) oxide)	1344-43-0				5.45		01/10/01	07/06/10	12/31/11
1788	Manganous sulfate	7785-87-7	850 dec			3.25		11/15/96	11/30/09	12/31/11
1789	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6						08/07/98	07/06/10	12/31/11
1790	Mastic (resin)	61789-92-2						09/30/97	11/30/09	12/31/11
1791	Melamine	108-78-1	subl.	50	315	1.573		01/04/99	06/03/10	12/31/11
1792	Memtetrahydrophthalic anhydride; (Tetrahydrophthalic anhydride)	85-43-8	195 @ 50ºC	0.057	25	1.2 @ 105º C		08/29/08	01/10/12	01/10/12
1793	Mephosfolan	950-10-7	410	1E-10	25	1.539 @ 26ºC		12/08/02	06/05/09	12/31/11
1794	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	108 @ 15mm	0.0868	25	1.325	59000	07/11/07	06/05/09	12/31/11
1795	Mercaptobenzoic acid, o-	147-93-3		subl.				10/11/05	10/15/06	12/31/11
1796	Mercaptobenzothiazole, 2-; (2-Benzothiazolethiol)	149-30-4				1.52		08/07/98	06/05/09	12/31/11
1797	Mercaptoethanol, 2-	60-24-2	157-158	1	20	1.1168 @ 20C	23000	04/14/04	06/05/09	12/31/11
1798	Mercaptopropionic acid, 3-	107-96-0	114-115.5			1.218 @ 21C	16000	07/11/07		12/31/11
1799	Mercuric acetate	1600-27-7	decom			3.28		06/13/02	06/05/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1800	Mercuric cyanide	592-04-1	252.63	mg/m^3	10.33	Hg.C2N2	S	320 decom
1801	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	454.4	mg/m^3	18.57	HgI2	S	259
1802	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	296.65	mg/m^3	12.12	Hg.SO4	S	decom
1803	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	316.79	mg/m^3	12.95	C2HgN2S2	S	
1804	Mercuric trifluoroacetate	13257-51-7	426.62	mg/m^3	17.44	Hg.(C.F3.C.O.O)2	S	171-173
1805	Mercurol; (Mercury nucleate)	12002-19-6		mg/m^3		[Unknown]	S	
1806	Mercurous chloride; (Mercury monochloride)	7546-30-7	236.04	mg/m^3	9.65	ClHg	S	400 subl
1807	Mercurous nitrate monohydrate	7782-86-7	281.62	mg/m^3	11.51	Hg.(NO3)H.H2O	S	79.1 del
1808	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	262.6	mg/m^3	10.73	Hg.NO3	S	70 decom
1809	Mercurous oxide; (Mercury(I) oxide)	15829-53-5	417.18	mg/m^3	17.05	Hg2O	S	100 dec
1810	Mercury hydroxide	12135-13-6	234.605	mg/m^3	9.59	H2HgO2	S	
1811	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	324.6	mg/m^3	13.27	HgN2O6	S	79
1812	Mercury nitrite; (Mercury(II) nitrite)	18541-72-5	292.59	mg/m^3	11.96	Hg.(N.O2)2	S	
1813	**Mercury vapor**	**7439-97-6**	200.59	mg/m^3	8.20	Hg	L	-38.9
1814	Mercury(I) chloride; (Dimercury dichloride)	10112-91-1	472.08	mg/m^3	19.29	Cl2.Hg2	S	400 subl.
1815	Mercury(II) chloride; (Mercury bichloride)	7487-94-7	271.5	mg/m^3	11.10	Cl2Hg	S	277
1816	Mercury(II) nitrate monohydrate	7783-34-8	342.62	mg/m^3	14.00	Hg(N.O3)2.H2.O	S hygr.	79
1817	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	216.59	mg/m^3	8.85	HgO	S	500 dec
1818	**Mesitylene; (1,3,5-Trimethylbenzene)**	**108-67-8**	120.19	ppm	4.91	C9H12	L	-44.72
1819	Metaphosphoric acid	37267-86-0	79.98	mg/m^3	3.27	H.P.O3	S hygr	21
1820	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	172.2	mg/m^3	7.04	C8H12O4	L	
1821	**Methacrylaldehyde**	**78-85-3**	70.1	ppm	2.87	C4H6O	L	-81

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1800	Mercuric cyanide	592-04-1				3.996		06/13/02	06/05/09	12/31/11
1801	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	350	100	261.8	6.28 no temp		09/30/97	06/03/10	12/31/11
1802	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9				6.47		06/13/02	06/05/09	12/31/11
1803	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8						08/07/98	06/05/09	12/31/11
1804	Mercuric trifluoroacetate	13257-51-7						07/11/07	06/05/09	12/31/11
1805	Mercurol; (Mercury nucleate)	12002-19-6						01/04/99	06/05/09	12/31/11
1806	Mercurous chloride; (Mercury monochloride)	7546-30-7				7.15		08/07/98	06/05/09	12/31/11
1807	Mercurous nitrate monohydrate	7782-86-7				4.3		04/15/07	06/05/09	12/31/11
1808	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5				4.78		06/13/02	06/05/09	12/31/11
1809	Mercurous oxide; (Mercury(I) oxide)	15829-53-5				9.8		09/30/97	12/01/09	12/31/11
1810	Mercury hydroxide	12135-13-6						12/08/02	06/05/09	12/31/11
1811	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0				4.3		12/30/95	12/01/09	12/31/11
1812	Mercury nitrite; (Mercury(II) nitrite)	18541-72-5						12/08/02	06/03/10	12/31/11
1813	**Mercury vapor**	**7439-97-6**	356.7	2.0x10-3	25	13.5336		11/30/92	06/03/10	12/31/11
1814	Mercury(I) chloride; (Dimercury dichloride)	10112-91-1				7.15		10/11/05	06/05/09	12/31/11
1815	Mercury(II) chloride; (Mercury bichloride)	7487-94-7	304	7.5x10-3	64.4	5.6		09/30/97	06/03/10	12/31/11
1816	Mercury(II) nitrate monohydrate	7783-34-8				4.3		09/30/97	12/01/09	12/31/11
1817	Mercury(II) oxide; (Mercuric oxide)	21908-53-2				11.14		07/09/97	06/03/10	12/31/11
1818	**Mesitylene; (1,3,5-Trimethylbenzene)**	**108-67-8**	164.74	0.75	9	0.8615	10000	09/30/97	12/01/09	12/31/11
1819	Metaphosphoric acid	37267-86-0	260	0.03	25			10/11/05	06/05/09	12/31/11
1820	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	191	0.35	25	1.051 @ 20C		12/08/02	06/05/09	12/31/11
1821	**Methacrylaldehyde**	**78-85-3**	68-70	120	20	0.830 @ 20C		12/08/02	07/19/08	08/13/07

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1822	Methacrylamide	79-39-0	85.12	mg/m^3	3.48	C4.H7.N.O	S	105-107
1823	**Methacrylic acid**	**79-41-4**	86.1	ppm	3.52	H2C=C(CH3)CO.OH	L	16
1824	Methacrylic acid, diester with triethylene glycol; (Polyester TGM3)	109-16-0	286.36	mg/m^3	11.70	C14H22O6	L	
1825	Methacrylic anhydride	760-93-0	154.18	mg/m^3	6.30	C8H10O3	L	
1826	**Methacrylonitrile; (Methylacrylonitrile)**	**126-98-7**	67.1	ppm	2.74	C4H5N	L	-36
1827	Methacryloyl chloride	920-46-7	104.54	ppm	4.27	C4H5ClO	L	-60
1828	Methamidophos	10265-92-6	141.14	mg/m^3	5.77	C2H8NO2PS	S	40
1829	Methane	74-82-8	16.04	ppm	0.66	CH4	G	-182.47
1830	Methane-d3	676-80-2	19.07	ppm	0.78	C.H.D3	G	-183
1831	Methanesulfonic acid	75-75-2	96.01	mg/m^3	3.92	CH4O3S	S/L	20
1832	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	124.17	mg/m^3	5.07	C3H8O3S	L	
1833	**Methanesulfonyl chloride**	**124-63-0**	114.55	ppm	4.68	C.H3.Cl.O2.S	L	-32
1834	Methanesulfonyl fluoride	558-25-8	98.1	ppm	4.01	CH3FO2S	L	
1835	Methidathion; (O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolinyl-3-methyl)dithiophosphate)	950-37-8	302.34	mg/m^3	12.36	C6H11N2O4PS3	S	39-40
1836	Methiocarb; (Mercaptodimethur)	2032-65-7	225.33	mg/m^3	9.21	C11H15NO2S	S	117-118
1837	Methomyl	16752-77-5	162.23	mg/m^3	6.63	C5H10N2O2S	S	78-79
1838	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	136.15	mg/m^3	5.56	C8.H8.O2	L	0
1839	Methoxybenzyl alcohol, 4-	105-13-5	138.18	mg/m^3	5.65	C8.H10.O2	L/S	25
1840	Methoxychlor	72-43-5	345.65	mg/m^3	14.13	C16H15Cl3O2	S	87
1841	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	120.17	ppm	4.91	C5H12O3	L	-70
1842	Methoxyethylamine, 2-	109-85-3	75.13	ppm	3.07	C3H9NO	L	
1843	Methoxyethylmercuric acetate	151-38-2	318.74	mg/m^3	13.03	C5H10HgO3	S	42

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1822	Methacrylamide	79-39-0	215					10/11/05	01/09/12	01/09/12
1823	**Methacrylic acid**	**79-41-4**	163	1	25.5	1.014	16000	06/13/02	06/05/09	
1824	Methacrylic acid, diester with triethylene glycol; (Polyester TGM3)	109-16-0						09/30/97	01/25/12	01/25/12
1825	Methacrylic anhydride	760-93-0	240	0.01	25	1.035		12/08/02	06/05/09	12/31/11
1826	**Methacrylonitrile; (Methylacrylonitrile)**	**126-98-7**	90.3	40	12.8	0.805	20000	01/04/99	06/05/09	10/11/05
1827	Methacryloyl chloride	920-46-7	96	40	25			12/08/02	06/05/09	12/31/11
1828	Methamidophos	10265-92-6	dec	0.0003	25	1.31 @ 44.5C		12/08/02	06/05/09	12/31/11
1829	Methane	74-82-8	-161.48	750	-161.7	0.4228 @ -162ºC	50000	12/30/95	12/09/11	12/09/11
1830	Methane-d3	676-80-2	-163					07/11/07	12/09/11	12/09/11
1831	Methanesulfonic acid	75-75-2	167 @ 10mm			1.4812		08/07/98	10/15/06	12/31/11
1832	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	213	0.328	25	1.1452 @ 22C		06/13/02	10/15/06	12/31/11
1833	**Methanesulfonyl chloride**	**124-63-0**	62 @ 18 mm	18	62	1.4805 @ 18C		04/15/07	06/05/09	12/31/11
1834	Methanesulfonyl fluoride	558-25-8	124	10	25			12/08/02	06/05/09	12/31/11
1835	Methidathion; (O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolinyl-3-methyl)dithiophosphate)	950-37-8		0.000001	25	1.495 @ 20C		12/08/02	06/05/09	12/31/11
1836	Methiocarb; (Mercaptodimethur)	2032-65-7	325	0.0001	25			12/08/02	06/05/09	12/31/11
1837	Methomyl	16752-77-5	335	0.00005	25	1.2946 @ 24C		12/08/02	06/05/09	12/31/11
1838	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	249.5	1	73	1.123 @ 20C		07/11/07	02/17/12	02/17/12
1839	Methoxybenzyl alcohol, 4-	105-13-5	259.1			1.108		07/11/07		12/31/11
1840	Methoxychlor	72-43-5		4.2x10-5	25	1.41		12/30/95	06/03/10	12/31/11
1841	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	194.2	0.2	20	1.0354	15000	01/04/99	01/19/09	12/31/11
1842	Methoxyethylamine, 2-	109-85-3	95				30000	08/07/98	10/15/06	12/31/11
1843	Methoxyethylmercuric acetate	151-38-2		0.00001	25			12/08/02	06/06/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1844	Methoxyphenol, p-	150-76-5	124.15	mg/m^3	5.07	C7.H8.O2	S	52.5
1845	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	89.16	ppm	3.64	C4H11NO	L	-75.7
1846	Methoxytrimethylsilane	1825-61-2	104.22	ppm	4.26	C4-H12-O-Si		
1847	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	111.11	ppm	4.54	C5-H5-N-O2	L	-22.5
1848	Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone)	872-50-4	99.15	ppm	4.05	C5H9NO	L	-17
1849	Methyl acetate	79-20-9	74.09	ppm	3.03	C3.H6.O2	L	-98.7
1850	Methyl acetylene	74-99-7	40.07	ppm	1.64	C3H4	G	-104
1851	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	80.19	ppm	3.28	[Unspecified]	G	-38 - -20
1852	Methyl acrylate	96-33-3	86.1	ppm	3.52	CH3OCO-CH=CH2	L	-76.5
1853	**Methyl alcohol; (Methanol)**	**67-56-1**	32.04	ppm	1.31	CH4O	L	-97.53
1854	Methyl alcohol-d	1455-13-6	33.05	ppm	1.35	D.O.C.H3	L	11
1855	Methyl alcohol-d4	811-98-3	36.07	ppm	1.47	D.O.C.D3	L	11
1856	Methyl benzoate; (Benzoic acid, methyl ester)	93-58-3	136.16	ppm	5.57	C8.H8.O2	L	-12.5
1857	**Methyl bromide; (Bromomethane)**	**74-83-9**	94.94	ppm	3.88	CH3Br	G	-93.68
1858	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	142.22	mg/m^3	5.81	C8.H14.O2	L	-75
1859	**Methyl chloride**	**74-87-3**	50.49	ppm	2.06	CH3Cl	G	-97.7
1860	**Methyl chloroformate; (Methyl chlorocarbonate)**	**79-22-1**	94.5	ppm	3.86	C2H3ClO2	L	
1861	**Methyl chlorosilane; (Chloromethylsilane)**	**993-00-0**	80.59	ppm	3.29	CH5ClSi	G	-135
1862	**Methyl cyclohexylfluorophosphonate; (GF)**	**329-99-7**	180.18	ppm	7.36	C7H14FO2P		
1863	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	216.27	mg/m^3	8.84	C5H13O3PS2	L	
1864	**Methyl dichlorosilane; (Dichloromethylsilane)**	**75-54-7**	115.04	ppm	4.70	C.H4.Cl2.Si	L	-93

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1844	Methoxyphenol, p-	150-76-5	246			1.55 @ 20C		10/11/05	06/06/09	12/31/11
1845	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	116	20	30	0.8615		01/04/99	06/06/09	12/31/11
1846	Methoxytrimethylsilane	1825-61-2						12/08/02	06/06/09	
1847	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	200.5	0.2	25	1.1012		04/14/04	06/06/09	12/31/11
1848	Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone)	872-50-4	202			1.027	13000	01/04/99	06/04/10	12/31/11
1849	Methyl acetate	79-20-9	57.8	100	9.4	0.92438	31000	07/11/07	06/06/09	12/31/11
1850	Methyl acetylene	74-99-7	-23.3	3876	20	1.38	17000	08/07/98	06/06/09	12/31/11
1851	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8					30000	08/07/98	06/06/09	12/31/11
1852	Methyl acrylate	96-33-3	85	100	28	0.9561 @ 20C	28000	06/13/02	01/25/12	01/25/12
1853	**Methyl alcohol; (Methanol)**	**67-56-1**	64.6	75	15.2	0.7914 @ 20˚C	55000	11/30/92	12/01/09	
1854	Methyl alcohol-d	1455-13-6	65.5			0.81	55000	04/15/07	06/04/10	06/06/09
1855	Methyl alcohol-d4	811-98-3	65.4			0.888	55000	07/11/07	06/04/10	06/06/09
1856	Methyl benzoate; (Benzoic acid, methyl ester)	93-58-3	199.6	1	39	1.082		04/15/07		12/31/11
1857	**Methyl bromide; (Bromomethane)**	**74-83-9**	3.5	750	3.3	1.6755 @ 20˚C	11000	12/30/95	06/23/10	12/31/11
1858	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	163	2.12	25	0.8836 @ 20C	20000	04/14/04	10/15/06	12/31/11
1859	**Methyl chloride**	**74-87-3**	-24.09	750	-24.4	0.911	81000	11/30/92	12/02/09	06/25/07
1860	**Methyl chloroformate; (Methyl chlorocarbonate)**	**79-22-1**	71.4			1.223	67000	01/04/99	06/06/09	12/31/11
1861	**Methyl chlorosilane; (Chloromethylsilane)**	**993-00-0**	-45				20000	12/08/02	06/06/09	
1862	**Methyl cyclohexylfluorophosphonate; (GF)**	**329-99-7**						06/13/02	06/06/09	08/10/07
1863	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	230			1.207 @ 20C		12/08/02	06/06/09	12/31/11
1864	**Methyl dichlorosilane; (Dichloromethylsilane)**	**75-54-7**	41	429	25	1.10 @ 27C		09/05/08	01/22/10	01/22/10

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1865	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	100.01	mg/m^3	4.09	CH3F2OP	L	
1866	Methyl ether; (Dimethyl ether)	115-10-6	46.08	ppm	1.88	C2H6O	G	-138.5
1867	Methyl ethyl ketone peroxide	1338-23-4	176.21	ppm	7.20	C8H16O4	L	
1868	Methyl fluoride; (Fluoromethane)	593-53-3	34.03	mg/m^3	1.39	CH3F	G	-143.3
1869	Methyl fluoroacetate	453-18-9	92.08	mg/m^3	3.76	C3H5FO2	L	
1870	Methyl fluorosulfate	421-20-5	114.1	ppm	4.66	CH3FO3S	L	
1871	Methyl formate; (Formic acid, methyl ester)	107-31-3	60.06	ppm	2.45	C2H4O2	L	-99.8
1872	**Methyl iodide**	**74-88-4**	141.94	ppm	5.80	CH3I	L	-66.4
1873	Methyl isobutyl ketone; (Hexone)	108-10-1	100.16	ppm	4.09	C6H12O	L	-84
1874	**Methyl isocyanate**	**624-83-9**	57.05	ppm	2.33	C2H3NO	L	-45
1875	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	86.15	ppm	3.52	C5H10O	L	
1876	**Methyl isothiocyanate; (Isothiocyanatomethane)**	**556-61-6**	73.12	mg/m^3	2.99	C2H3NS	S/L	36
1877	Methyl lithium	917-54-4	21.98	mg/m^3	0.90	Li.C.H3	L	
1878	**Methyl mercaptan**	**74-93-1**	48.11	ppm	1.97	CH4S	G	-123
1879	Methyl mercury	22967-92-6	215.63	mg/m^3	8.81	CH3Hg	S	
1880	**Methyl methacrylate**	**80-62-6**	100.12	ppm	4.09	C5H8O2	L	-47.55
1881	Methyl n-amyl ketone	110-43-0	114.19	ppm	4.67	C7H14O	L	-35
1882	Methyl nitrate; (Nitric acid, methyl ester)	598-58-3	77.05	ppm	3.15	C.H3.N.O3	L	-83
1883	**Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)**	**163702-07-6 163702-08-7**	250.063727	ppm	10.22	C5.H3.F9.O	G	
1884	**Methyl parathion**	**298-00-0**	263.21	mg/m^3	10.76	C8H10NO5PS	S	38
1885	Methyl phencapton	3735-23-7	349.25	mg/m^3	14.27	C9H11Cl2O2PS2	L	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1865	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	98			1.33		03/01/00	10/15/06	12/31/11
1866	Methyl ether; (Dimethyl ether)	115-10-6	-23.7	4450	25	0.661	20000	01/04/99	06/06/09	12/31/11
1867	Methyl ethyl ketone peroxide	1338-23-4	19					09/30/97	12/02/09	12/31/11
1868	Methyl fluoride; (Fluoromethane)	593-53-3	-78.4	750	-78.6	0.557	73330	11/30/92	06/04/10	12/31/11
1869	Methyl fluoroacetate	453-18-9	104.5			1.161 @ 15C		12/08/02	10/15/06	12/31/11
1870	Methyl fluorosulfate	421-20-5	92			1.427 @ 16C		12/08/02	06/06/09	12/31/11
1871	Methyl formate; (Formic acid, methyl ester)	107-31-3	31.5	400	16	0.975 @ 20C	45000	06/13/02	06/06/09	12/31/11
1872	**Methyl iodide**	**74-88-4**	42.43	750	42.1	2.2789 @ 20˚C	100000	11/30/92	12/02/09	
1873	Methyl isobutyl ketone; (Hexone)	108-10-1	116.5	7.5	9	0.7965	12000	03/24/10	12/02/09	12/31/11
1874	**Methyl isocyanate**	**624-83-9**	38.3	750	38.8	0.9588 @ 20ºC	53000	12/30/95	12/02/09	10/11/05
1875	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	93-94			0.805 @ 16ºC	15000	12/08/02	06/06/09	03/16/11
1876	**Methyl isothiocyanate; (Isothiocyanatomethane)**	**556-61-6**	119	19	20	1.069 @ 37ºC		06/13/02	03/11/11	03/15/11
1877	Methyl lithium	917-54-4				0.701		04/14/04	10/15/06	12/31/11
1878	**Methyl mercaptan**	**74-93-1**	5.9	750	5.7	0.8665 @ 20˚C	39000	11/30/92	12/02/09	01/19/11
1879	Methyl mercury	22967-92-6						03/01/00	06/06/09	12/31/11
1880	**Methyl methacrylate**	**80-62-6**	100.5	75	39.7	**0.9377**	17000	12/30/95	12/02/09	
1881	Methyl n-amyl ketone	110-43-0	151.05	7.5	36	0.811 @ 20˚C	10000	09/30/97	12/02/09	12/31/11
1882	Methyl nitrate; (Nitric acid, methyl ester)	598-58-3	65 expl			1.208 @ 20C		10/11/05	10/15/06	12/31/11
1883	**Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)**	**163702-07-6 163702-08-7**						10/11/05	06/06/09	02/25/08
1884	**Methyl parathion**	**298-00-0**	35-36	0.2 mPa	20	1.358 @ 20˚C		11/15/96	01/22/10	12/31/11
1885	Methyl phencapton	3735-23-7	400	0.0000035	25			12/08/02	06/06/09	12/31/11

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1886	Methyl phosphonic dichloride	676-97-1	132.91	mg/m^3	5.43	CH3Cl2OP	S	32
1887	Methyl phosphonothioic dichloride	676-98-2	148.97	mg/m^3	6.09	CH3Cl2PS	L	-25.6
1888	Methyl pyridine, 3-; (3-Picoline)	108-99-6	93.14	ppm	3.81	C6H7N	L	
1889	Methyl salicylate	119-36-8	152.16	ppm	6.22	C8H8O3	L	-8.6
1890	Methyl sulfoxide-d6; (Dimethyl-d6-sulfoxide)	2206-27-1	84.15	ppm	3.44	C2.D6.O.S	L	18
1891	**Methyl tert-butyl ether; (MTBE)**	**1634-04-4**	88.15	ppm	3.60	C5H12O	L	-108.6
1892	Methyl thiocyanate	556-64-9	73.12	ppm	2.99	C2H3NS	L	-51
1893	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	72.12	ppm	2.95	C4H8O	L	<-80
1894	**Methyl vinyl ketone; (3-Buten-2-one)**	**78-94-4**	70.1	ppm	2.87	C4H6O	L	
1895	Methyl-1-butene, 2-	563-46-2	70.14	ppm	2.87	C5H10	L	-137.5
1896	Methyl-1H-benzotriazole	29385-43-1	133.17	mg/m^3	5.44	C7H7N3		
1897	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	174.22	mg/m^3	7.12	C10H10N2O	Pwdr	128.9
1898	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	90.19	ppm	3.69	C4.H10.S	L	-165
1899	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	70.09	ppm	2.86	C4H6O	L	-97.5
1900	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	150.24	mg/m^3	6.14	C10.H14.O	S	51
1901	Methyl-2-butene, 2-	513-35-9	70.133	ppm	2.87	C5.H10	L	-133.72
1902	Methyl-2-chloroacrylate	80-63-7	120.54	ppm	4.93	C4H5ClO2	L	
1903	Methyl-2-heptanone, 6-	928-68-7	128.21	mg/m^3	5.24	C8.H16.O	L	
1904	Methyl-2-hexanone, 5-; (Methyl isoamyl ketone)	110-12-3	114.21	ppm	4.67	C7H14O	L	-73.9
1905	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	98.16	ppm	4.01	C6H10O	L	-59
1906	Methyl-4-penten-2-one, 4-	3744-02-3	98.14	ppm	4.01	C6H10O	L	-72.6
1907	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	152.17	mg/m^3	6.22	C7H8N2O2	S	107

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1886	Methyl phosphonic dichloride	676-97-1	162					03/01/00	06/06/09	12/31/11
1887	Methyl phosphonothioic dichloride	676-98-2	177-178			1.35-1.42		01/10/01	10/15/06	12/31/11
1888	Methyl pyridine, 3-; (3-Picoline)	108-99-6	143-144			0.9613	13000	01/04/99	06/06/09	12/31/11
1889	Methyl salicylate	119-36-8	223.3	0.0343	25	1.184		03/01/00	09/05/10	12/31/11
1890	Methyl sulfoxide-d6; (Dimethyl-d6-sulfoxide)	2206-27-1	55 @ 5 mmHg			1.19		04/14/04	05/25/09	02/08/12
1891	**Methyl tert-butyl ether; (MTBE)**	**1634-04-4**	55	75	-2	0.7353	16000	09/30/97	12/02/09	02/22/08
1892	Methyl thiocyanate	556-64-9	130-133			1.068		03/01/00	06/06/09	12/31/11
1893	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	97			0.831 @ 20C		12/08/02	06/06/09	12/31/11
1894	**Methyl vinyl ketone; (3-Buten-2-one)**	**78-94-4**	81.4			0.839325	21000	08/07/98	06/06/09	
1895	Methyl-1-butene, 2-	563-46-2	31.04	610	20	0.06504 @ 20C	14000	06/13/02	06/06/09	08/17/07
1896	Methyl-1H-benzotriazole	29385-43-1						11/15/96	06/06/09	12/31/11
1897	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	191					01/04/99	10/15/06	12/31/11
1898	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	84-85	80.71	25	0.8299 @ 17C		07/11/07		12/31/11
1899	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	34					03/01/00	10/15/06	12/31/11
1900	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	233	1	64	0.972		10/11/05	01/16/12	01/16/12
1901	Methyl-2-butene, 2-	513-35-9	38.56	468	25	0.6623 @ 20C	16000	07/11/07		12/31/11
1902	Methyl-2-chloroacrylate	80-63-7	140	12	25	1.189 @ 20C		12/08/02	06/06/09	12/31/11
1903	Methyl-2-heptanone, 6-	928-68-7	167			0.8151 @ 20C		10/11/05	06/06/09	12/31/11
1904	Methyl-2-hexanone, 5-; (Methyl isoamyl ketone)	110-12-3	144			0.8132	10000	01/04/99	06/06/09	12/31/11
1905	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	130	10	26	0.8539	14000	01/04/99	06/06/09	12/31/11
1906	Methyl-4-penten-2-one, 4-	3744-02-3	124.2			0.8411	14000	03/01/00	06/06/09	
1907	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8		0.000013	20			06/13/02	06/06/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
1908	Methyl-5-vinylpyridine, 2-	140-76-1	119.18	mg/m^3	4.87	C8H9N	L	
1909	Methyl-8-quinolinol, 2-	826-81-3	159.2	mg/m^3	6.51	C10.H9.N.O.	S	73.8
1910	Methylal; (Dimethoxymethane)	109-87-5	76.1	ppm	3.11	C3H8O2	L	-105.1
1911	Methylamine hydrochloride	593-51-1	67.53	mg/m^3	2.76	C.H5.N.Cl.H	S	232-234
1912	Methylamino)ethanol, 2-(	109-83-1	75.11	ppm	3.07	C3.H9.N.O	L	-4.5
1913	Methylaniline, N-	100-61-8	107.17	ppm	4.38	C7H9N	L	-57
1914	Methylaziridine, 1-	1072-44-2	57.11	ppm	2.33	C3-H7-N	L	
1915	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	101.15	mg/m^3	4.13	C5H11NO	S	137
1916	Methylbutylamine, N-	110-68-9	87.19	ppm	3.56	C5.H13.N	L	-75
1917	Methylcellulose	9004-67-5	40000 - 180000	mg/m^3		[Unspecified]	S	290-305
1918	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7	110.75	ppm	4.53	CH7ClSi2		
1919	Methylcholanthrene, 3-	56-49-5	268.35	mg/m^3	10.97	C21H16	S	180
1920	Methylcyclohexane	108-87-2	98.21	ppm	4.01	C7H14	L	-126.4
1921	Methylcyclohexanone	1331-22-2	112.19	ppm	4.59	C7H12O	L	-14
1922	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	112.19	ppm	4.59	C7H12O	L	-14
1923	Methylcyclopentane	96-37-7	84.18	ppm	3.44	C6.H12	L	-142.5
1924	Methyldecane, 4-	2847-72-5	156.31	ppm	6.39	C11.H24	L	-77.5
1925	**Methyldichloroarsine; (Dichloromethylarsine)**	**593-89-5**	160.86	mg/m^3	6.57	C.H3.As.Cl2	L	-59
1926	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	267.15	ppm	10.92	C13H12Cl2N2	S	110
1927	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	262.39	ppm	10.72	C15H22NO2	L	
1928	**Methylene chloride; (Dichloromethane)**	**75-09-2**	84.93	ppm	3.47	CH2Cl2	L	-97.2

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1908	Methyl-5-vinylpyridine, 2-	140-76-1	181	1.7	25	0.98 @ 20C		12/08/02	06/06/09	12/31/11
1909	Methyl-8-quinolinol, 2-	826-81-3	267					10/11/05	06/06/09	12/31/11
1910	Methylal; (Dimethoxymethane)	109-87-5	42	750	41.7	0.8593 @ 20˚C	22000	09/30/97	12/02/09	12/31/11
1911	Methylamine hydrochloride	593-51-1	227 @ 15C					10/11/05		12/31/11
1912	Methylamino)ethanol, 2-(	109-83-1	156	0.7	20	0.937 @ 20C		10/11/05		12/31/11
1913	Methylaniline, N-	100-61-8	194-197			0.989		01/04/99	06/06/09	12/31/11
1914	Methylaziridine, 1-	1072-44-2	27.5			0.7572 @ 19C		12/08/02	06/06/09	12/31/11
1915	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	226					03/01/00	10/15/06	12/31/11
1916	Methylbutylamine, N-	110-68-9	91			0.7335		07/11/07		12/31/11
1917	Methylcellulose	9004-67-5						11/15/96	12/02/09	12/31/11
1918	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7						12/08/02	06/06/09	12/31/11
1919	Methylcholanthrene, 3-	56-49-5	280 @ 80mmHg	4.3x10-8	25	1.28 @ 20˚C		12/30/95	12/02/09	12/31/11
1920	Methylcyclohexane	108-87-2	100.3	40	22	0.7864	11000	01/04/99	06/06/09	12/31/11
1921	Methylcyclohexanone	1331-22-2	160-170			0.925		01/04/99	10/15/06	12/31/11
1922	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	165.1			0.92	12000	01/10/01	06/06/09	12/31/11
1923	Methylcyclopentane	96-37-7	71.8	100	17.9	0.750 @ 20C	10000	10/11/05	10/11/05	12/31/11
1924	Methyldecane, 4-	2847-72-5	187			1.4352 @ 20C		10/11/05	06/06/09	12/31/11
1925	**Methyldichloroarsine; (Dichloromethylarsine)**	**593-89-5**	90 @ 200 mm	10	24.3	1.84 @ 20C		09/05/08	06/04/10	
1926	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4		2.86x10-7	25	1.44 no temp		08/21/96	12/03/09	12/31/11
1927	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1						06/13/02	06/06/09	12/31/11
1928	**Methylene chloride; (Dichloromethane)**	**75-09-2**	40	750	39.3	1.3266 @ 20˚C	120000	12/30/95	12/03/09	

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1929	**Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)**	**101-68-8**	250.25	mg/m^3	10.23	C15H10N2O2	S	37
1930	Methylene fluoride; (Difluoromethane; HFC-32)	75-10-5	52.03	ppm	2.13	C.H2.F2	L	
1931	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5	250.26	mg/m^3	10.23	C15.H10.N2.O		
1932	Methylenebisacrylamide, N,N'-	110-26-9	154.19	mg/m^3	6.30	C7.H10.N2.O2	S	185
1933	Methylenedianiline, 4,4'-	101-77-9	198.26	ppm	8.10	C13H14N2	S	92.5
1934	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	76.09	mg/m^3	3.11	C3H8O2	S	
1935	Methylformamide, N-	123-39-7	59.08	ppm	2.41	C2.H5.N.O	L	-5.4
1936	Methylfuran, 2-	534-22-5	82.11	ppm	3.36	C5-H6-O	L	-88.7
1937	Methylheptane, 2-	592-27-8	114.23	ppm	4.67	C8.H18	L	-109
1938	Methylheptane, 4-	589-53-7	114.23	ppm	4.67	C8H18	L	-121
1939	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2		mg/m^3				
1940	Methylimidazole, 1-	616-47-7	82.12	mg/m^3	3.36	C4.H6.N2	L	-6
1941	Methylimidazole, 4-	822-36-6	82.12	mg/m^3	3.36	C4.H6.N2	S	56
1942	Methyllactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	132.18	mg/m^3	5.40	C6H12O3	L	
1943	**Methyllactonitrile, 2-; (Acetone cyanohydrin)**	**75-86-5**	85.11	ppm	3.48	C4H7NO	L	-19
1944	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	119.26	ppm	4.87	C.H3.BrMg	L	
1945	Methylmagnesium chlordie	676-58-4	74.793	mg/m^3	3.06	C.H3.Cl.Mg	S	
1946	Methylmercuric dicyanamide	502-39-6	298.72	mg/m^3	12.21	C3H6HgN4	S	156
1947	Methylmorpholine, 4-	109-02-4	101.17	ppm	4.13	C5.H11.N.O	L	-64.4
1948	Methylnaphthalene, 1-	90-12-0	142.21	mg/m^3	5.81	C11H10	L	-22
1949	Methylnaphthalene, 2-	91-57-6	142.2	mg/m^3	5.81	C11H10	S	34.6

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1929	**Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)**	**101-68-8**	196 @ 5mmHg	5.0x10-6	25	1.197 @ 70˚C		12/30/95	12/03/09	12/31/11
1930	Methylene fluoride; (Difluoromethane; HFC-32)	75-10-5						10/11/05	06/06/09	12/31/11
1931	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5						07/11/07	06/06/09	12/31/11
1932	Methylenebisacrylamide, N,N'-	110-26-9	dec			1.235 @ 30C	8000	10/11/05		12/31/11
1933	Methylenedianiline, 4,4'-	101-77-9	398	2.03x10-7	25	1.070 @ 103˚C		07/09/97	12/03/09	12/31/11
1934	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	107-109					03/01/00	10/15/06	12/31/11
1935	Methylformamide, N-	123-39-7	180-185	0.253	25	0.9961	18000	07/11/07		12/31/11
1936	Methylfuran, 2-	534-22-5	63.7	139	20	0.827 @ 20C		12/08/02		12/31/11
1937	Methylheptane, 2-	592-27-8	118			0.608	9800	10/11/05	06/06/09	12/31/11
1938	Methylheptane, 4-	589-53-7	117.7			0.7046 @ 20C	10000	12/08/02	06/06/09	12/31/11
1939	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2						07/11/07	06/06/09	12/31/11
1940	Methylimidazole, 1-	616-47-7	196			1.0325		04/14/04	10/15/06	12/31/11
1941	Methylimidazole, 4-	822-36-6	263					08/17/07		12/31/11
1942	Methyllactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7						01/10/01		12/31/11
1943	**Methyllactonitrile, 2-; (Acetone cyanohydrin)**	**75-86-5**	95	7.5x10-1	20	0.932 @ 19˚C	22000	12/30/95	12/03/09	10/11/05
1944	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1						07/11/07		12/31/11
1945	Methylmagnesium chlordie	676-58-4				1.02	23000	07/11/07		12/31/11
1946	Methylmercuric dicyanamide	502-39-6		0.00003	25			12/08/02	06/06/09	12/31/11
1947	Methylmorpholine, 4-	109-02-4	115			0.9	22000	10/11/05	10/15/06	12/31/11
1948	Methylnaphthalene, 1-	90-12-0	241	0.067	25	1.025		01/04/99	06/06/09	12/31/11
1949	Methylnaphthalene, 2-	91-57-6	241.1	0.75	57	1.0058 @ 20˚C	8000	09/30/97	12/03/09	12/31/11

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1950	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	128	ppm	5.23	C6-H12-N2-O		
1951	Methylnonane, 4-	17301-94-9	142.28	ppm	5.82	C10.H22	L	-99
1952	Methylpentane, 2-; (Isohexane)	107-83-5	86.2	ppm	3.52	C6H14	L	-154
1953	Methylpentane, 3-	96-14-0	86.18	ppm	3.52	C6.H14	L	-118
1954	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	102.2	ppm	4.18	C6.H14.O	L	
1955	Methylphenol, 2-; (o-Cresol)	95-48-7	108.15	ppm	4.42	C7H8O	S	30
1956	Methylphenol, 3-; (m-Cresol)	108-39-4	108.15	ppm	4.42	C7H8O	L	10.9
1957	Methylphenol, 4-; (p-Cresol)	106-44-5	108.15	ppm	4.42	C7H8O	S	35.5
1958	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	166.26	mg/m^3	6.80	C8H10N2S	S	151-152
1959	Methylphosphonate	993-13-5	96.02246	mg/m^3	3.92	C.H5.O3.P	S	108.5
1960	Methylphosphonothioic acid, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	309.29	mg/m^3	12.64	C13H12NO4PS	L	
1961	Methylphosphonothioic acid-, O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	262.34	mg/m^3	10.72	C10H15O2PS2	L	
1962	Methylphosphonothioic acid, S-(2-(dimethylamino)ethyl) O-ethyl ester	20820-80-8	211.29	ppm	8.64	C7.H18.N.O2.P.S	L	
1963	Methylpropane, 2-; (Isobutane)	75-28-5	58.12	ppm	2.38	C4H10	G	-159.4
1964	Methylpropene, 2-; (Isobutene)	115-11-7	56.12	ppm	2.29	C4H8	L or G	-140.3
1965	Methylpropylnitrosoamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	102.16	ppm	4.18	C4-H2-N2-O	L	
1966	Methylpyridine, 2-; (2-Picoline)	109-06-8	93.14	ppm	3.81	N-CHCH-CHCH-CCH3	L	-70
1967	Methylpyrrole, N-	96-54-8	81.12	mg/m^3	3.32	C5.H7.N	L	-56.32
1968	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	85.15	mg/m^3	3.48	C5-H11-N	L	-90
1969	Methylstyrene, alpha-	98-83-9	118.19	ppm	4.83	C9.H10	L	-24.0
1970	Methyltetrahydrofuran, 2-	96-47-9	86.15	ppm	3.52	C5.H10.O	L	
1971	Methyltriacetoxysilane	4253-34-3	220.25	mg/m^3	9.00	C7H12O6Si		40.5

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1950	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1						12/08/02	10/15/06	12/31/11
1951	Methylnonane, 4-	17301-94-9	165.7			0.7323 @ 20C		10/11/05	10/15/06	12/31/11
1952	Methylpentane, 2-; (Isohexane)	107-83-5	60.3			0.669	10000	08/07/98	06/06/09	12/31/11
1953	Methylpentane, 3-	96-14-0	63.3	190	25	0.69576	12000	07/11/07	06/04/10	12/31/11
1954	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	130			0.804	11000	07/11/07	06/06/09	12/31/11
1955	Methylphenol, 2-; (o-Cresol)	95-48-7	191	1	38.2	1.05 @ 20C/4C	14000	03/01/00	03/24/10	12/31/11
1956	Methylphenol, 3-; (m-Cresol)	108-39-4	202.8	1	52	1.04 @ 22C/4C	10600	03/01/00	03/24/10	12/31/11
1957	Methylphenol, 4-; (p-Cresol)	106-44-5	201.8	1	53	1.0341 @ 20C/4C	10600	03/01/00	03/24/10	12/31/11
1958	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8		0.000002	25			12/08/02	06/06/09	12/31/11
1959	Methylphosphonate	993-13-5	dec.					10/11/05	06/06/09	12/31/11
1960	Methylphosphonothioic acid, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	400	0.00001	25			12/08/02	06/06/09	12/31/11
1961	Methylphosphonothioic acid-, O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	298	0.0001	25			12/08/02	06/06/09	12/31/11
1962	Methylphosphonothioic acid, S-(2-(dimethylamino)ethyl) O-ethyl ester	20820-80-8						07/11/07		12/31/11
1963	Methylpropane, 2-; (Isobutane)	75-28-5	-11.73	750	-12	0.551	16000	09/30/97	12/03/09	12/31/11
1964	Methylpropene, 2-; (Isobutene)	115-11-7	-6.9			0.6	18000	01/04/99	06/06/09	12/31/11
1965	Methylpropylnitrosoamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	91 @ 40 mm					12/08/02	06/06/09	12/31/11
1966	Methylpyridine, 2-; (2-Picoline)	109-06-8	129	11.2	25	0.950 @ 15C	14000	06/13/02	06/06/09	12/31/11
1967	Methylpyrrole, N-	96-54-8	112.81	15	20.2	0.9145 @ 15C	10000	07/11/07	06/06/09	12/31/11
1968	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	80.5			0.8054		04/14/04	06/06/09	12/31/11
1969	Methylstyrene, alpha-	98-83-9	167-170			0.913 @ 17C	9000	10/11/05	03/24/10	12/31/11
1970	Methyltetrahydrofuran, 2-	96-47-9	80			0.853 @ 20C		04/14/04	06/06/09	12/31/11
1971	Methyltriacetoxysilane	4253-34-3	111 @ 17mmHg			1.175 @ 20˚C		09/30/97	12/03/09	12/31/11

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1972	**Methyltrichlorosilane; (Trichloromethyl silane)**	**75-79-6**	149.48	ppm	6.11	CH3Cl3Si	L	-90
1973	Methyltriethoxysilane	2031-67-6	178.34	ppm	7.29	C7.H18.O3.Si	L	
1974	Methyl-trifluoromethanesulfonate	333-27-7	164.1051	mg/m^3	6.71	C2.H3.F3.O3.S	?	
1975	Methyltrimethoxysilane	1185-55-3	136.25	mg/m^3	5.57	C4.H12.O3.Si	L	
1976	Methyltrioctylammonium chloride	5137-55-3	404.25	mg/m^3	16.52	C25H54ClN		
1977	**Methylvinyldichlorosilane; (Dichloromethylvinylsilane)**	**124-70-9**	141.08	ppm	5.77	C3.H6.Cl2.Si	L	
1978	Methylvinylsiloxane-dimethylsiloxane copolymer, vinyl terminated	68083-18-1		mg/m^3				
1979	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	165.21	mg/m^3	6.75	C9H11NO2	S	76-77
1980	Mevinphos; (Phosdrin)	7786-34-7	224.17	mg/m^3	9.16	C7H13O6P	S	6.7
1981	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	222.32	mg/m^3	9.09	C12H18N2O2	S	85
1982	Mica; (mica silicates)	12001-26-2	398.3	mg/m^3	16.28	[Unspecified]	S	1387
1983	Michler's ketone; (4,4'-Bis(dimethylamino)benzophenone)	90-94-8	268.39	mg/m^3	10.97	C17H20N2O	S	179
1984	Mineral fibers, fine	z-0032		mg/m^3		[Unspecified]	S	1387
1985	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5		mg/m^3			L	
1986	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3		mg/m^3			L	
1987	Mineral oil, petroleum distillates, solvent refined light naphthenic	64741-97-5		mg/m^3			L	
1988	Mineral oil, petroleum distillates, solvent-refined (mild) heavy paraffinic	64741-88-4		mg/m^3			L	
1989	Mineral oil, white	8042-47-5		mg/m^3		[Unspecified]	L	
1990	Mineral oil; (Oil mist, mineral)	8012-95-1		mg/m^3		[Unspecified]	L	
1991	Mirex; (Perchloropentacyclodecane)	2385-85-5	545.54	mg/m^3	22.30	C10Cl12	S	485 dec
1992	Mitomycin C	50-07-7	334.37	mg/m^3	13.67	C15-H18-N4-O5	S	>360

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1972	**Methyltrichlorosilane; (Trichloromethyl silane)**	**75-79-6**	65.6	75	7	1.273 @ 20˚C	76000	08/21/96	01/22/10	01/22/10
1973	Methyltriethoxysilane	2031-67-6	144.5			0.895 @ 20C		10/11/05	06/06/09	12/31/11
1974	Methyl-trifluoromethanesulfonate	333-27-7	100-102			1.45		04/14/04	06/04/10	12/31/11
1975	Methyltrimethoxysilane	1185-55-3	103.5			0.949 @ 20C		10/11/05	06/06/09	12/31/11
1976	Methyltrioctylammonium chloride	5137-55-3						08/07/98	06/06/09	12/31/11
1977	**Methylvinyldichlorosilane; (Dichloromethylvinylsilane)**	**124-70-9**	92			1.08 @ 20C		09/05/08	06/06/09	
1978	Methylvinylsiloxane-dimethylsiloxane copolymer, vinyl terminated	68083-18-1						07/11/07	06/06/09	12/31/11
1979	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	360	0.00001	25			12/08/02	06/06/09	12/31/11
1980	Mevinphos; (Phosdrin)	7786-34-7	280	2.9	25			06/13/02	06/04/10	06/04/10
1981	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4		0.000002	25			12/08/02	06/06/09	12/31/11
1982	Mica; (mica silicates)	12001-26-2				2.6-3.2		09/30/97	06/04/10	12/31/11
1983	Michler's ketone; (4,4'-Bis(dimethylamino)benzophenone)	90-94-8	>360 decom					06/13/02	06/06/09	12/31/11
1984	Mineral fibers, fine	z-0032				2.6-3.2 no temp		09/30/97	06/04/10	12/31/11
1985	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5	174-274			0.862		04/14/04	01/19/12	01/19/12
1986	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3						04/14/04	06/06/09	12/31/11
1987	Mineral oil, petroleum distillates, solvent refined light naphthenic	64741-97-5						10/11/05	06/06/09	12/31/11
1988	Mineral oil, petroleum distillates, solvent-refined (mild) heavy paraffinic	64741-88-4	383			0.88		04/14/04	12/10/10	12/31/11
1989	Mineral oil, white	8042-47-5						07/09/97	12/03/09	12/31/11
1990	Mineral oil; (Oil mist, mineral)	8012-95-1				0.83-0.905		01/04/99	12/10/10	12/31/11
1991	Mirex; (Perchloropentacyclodecane)	2385-85-5		8x10-7	25			09/30/97	12/03/09	12/31/11
1992	Mitomycin C	50-07-7	534	0.00001	25			06/13/02	06/07/09	12/31/11

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1993	Molecular sieve 13X	63231-69-6		mg/m^3		Na86[AlO2)86(SiO2)106] · xH2O	S	
1994	Molybdate orange	12656-85-8		mg/m^3		[Unspecified]	S	
1995	Molybdenum	7439-98-7	95.94	mg/m^3	3.92	Mo	S	2623
1996	Molybdenum carbide	12011-97-1	107.95	mg/m^3	4.41	Mo.C	S	2692
1997	Molybdenum dioxide	18868-43-4	127.94	mg/m^3	5.23	MoO2	S ins	
1998	Molybdenum disilicide	12136-78-6	152.111	mg/m^3	6.22	Mo.Si2	S	~1900
1999	Molybdenum hexacarbonyl	13939-06-5	264	mg/m^3	10.79	Mo.(CO)6	S	
2000	Molybdenum pentachloride	10241-05-1	273.19	mg/m^3	11.17	Mo.Cl5	S hygr	194
2001	Molybdenum trioxide	1313-27-5	143.94	mg/m^3	5.88	Mo.O3	S	795
2002	Molybdenum(IV) sulfide	1317-33-5	160.07	mg/m^3	6.54	Mo.S2	S	1185
2003	Molybdic acid	7782-91-4	161.9534	mg/m^3	6.62	H2-Mo-O4	V	
2004	Molybdic acid, ammonium salt; (Ammonium molibdate)	11098-84-3	224.28	mg/m^3	9.17		S	
2005	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	205.92	mg/m^3	8.42	MoNa2O4	S	686
2006	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	1163.89	mg/m^3	47.57	H24Mo7N6O24	S	90
2007	Molybdophosphoric acid	12026-57-2	1825.25346	mg/m^3	74.60	Mo12.O40.P.3H	S	
2008	Molybdophosphoric acid hydrate; (Phosphomolybdic acid hydrate)	51429-74-4	2786.8778	mg/m^3	113.90	6H.Mo18.O62.P2	S	104
2009	Monobutyl phosphite	16456-56-7	138.12	mg/m^3	5.65	C4H11O3P	L	
2010	Monochloroamine; (Chloramide)	10599-90-3	51.48	ppm	2.10	Cl.H2.N	L	-66
2011	Monochloropentafluoroethane; (CFC-115)	76-15-3	154.47	ppm	6.31	C2ClF5	G	-106
2012	Monocrotophos	6923-22-4	223.19	mg/m^3	9.12	C7H14NO5P	S	54-55
2013	**Monomethylamine; (Methylamine)**	**74-89-5**	31.06	ppm	1.27	CH5N	G	-93.5
2014	**Monomethylhydrazine; (Methyl hydrazine)**	**60-34-4**	46.07	ppm	1.88	CH6N2	L	-52.36

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
1993	Molecular sieve 13X	63231-69-6						04/14/04	10/15/06	12/31/11
1994	Molybdate orange	12656-85-8						01/04/99	06/07/09	12/31/11
1995	Molybdenum	7439-98-7	4639	7.5x10-3	2469	10.2		09/30/97	12/03/09	12/31/11
1996	Molybdenum carbide	12011-97-1				8.2		04/14/04	06/07/09	12/31/11
1997	Molybdenum dioxide	18868-43-4						12/08/02	06/07/09	12/31/11
1998	Molybdenum disilicide	12136-78-6	2030			6.2		04/14/04	06/07/09	12/31/11
1999	Molybdenum hexacarbonyl	13939-06-5						10/11/05	06/07/09	12/31/11
2000	Molybdenum pentachloride	10241-05-1	268			2.93		10/11/05	06/07/09	12/31/11
2001	Molybdenum trioxide	1313-27-5	1155			4.696		01/04/99	06/07/10	12/31/11
2002	Molybdenum(IV) sulfide	1317-33-5				4.80 @ 14C		04/14/04	06/07/09	12/31/11
2003	Molybdic acid	7782-91-4						12/08/02	06/07/09	12/31/11
2004	Molybdic acid, ammonium salt; (Ammonium molibdate)	11098-84-3						10/11/05	06/07/09	12/31/11
2005	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0						01/04/99	06/07/09	12/31/11
2006	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	dec			2.498		01/04/99	06/07/09	12/31/11
2007	Molybdophosphoric acid	12026-57-2						10/11/05	06/07/09	12/31/11
2008	Molybdophosphoric acid hydrate; (Phosphomolybdic acid hydrate)	51429-74-4				1.62		04/14/04	06/07/09	12/31/11
2009	Monobutyl phosphite	16456-56-7						01/04/99		12/31/11
2010	Monochloroamine; (Chloramide)	10599-90-3						06/13/02	07/18/08	12/31/11
2011	Monochloropentafluoroethane; (CFC-115)	76-15-3	-37.7			1.5678 @ -42C		06/13/02	06/07/09	12/31/11
2012	Monocrotophos	6923-22-4	125	0.000007	25	1.22 @ 20C		12/08/02	06/07/09	12/31/11
2013	**Monomethylamine; (Methylamine)**	**74-89-5**	-6.32	750	-6.6	0.656	43000	11/30/92	12/03/09	10/15/06
2014	**Monomethylhydrazine; (Methyl hydrazine)**	**60-34-4**	87.5	75	32.9	0.874	25000	11/30/92	12/03/09	08/14/07

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2015	Monosodium titanate	60704-88-3	102.87	mg/m^3	4.20	NaTiO2	S	
2016	Montmorillonite	1318-93-0		mg/m^3			S clay	
2017	Morpholine	110-91-8	87.14	ppm	3.56	C4H9NO	L	-4.9
2018	Morpholinepropanesulfonic acid, 4-	1132-61-2	209.29	mg/m^3	8.55	C7.H15.N.O4.S	S	
2019	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	195.26	mg/m^3	7.98	C6.H13.N.O4.S	S	243
2020	Muscimol; (5-Aminomethyl-3-isoxyzole)	2763-96-4	114.12	mg/m^3	4.66	C4H6N2O2	S	174-176
2021	Mustard gas sulfoxide; (bis(2-Chloroethyl)sulfoxide)	5819-08-9	175.08	mg/m^3	7.16	C4.H8.C12.O.S		
2022	Myoglobins	9008-45-1		mg/m^3			S	
2023	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	284.54	ppm	11.63	C18-H36-O2		
2024	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	270.46	mg/m^3	11.05	C17-H34-O2	L	~3
2025	Nabumetone; (Relafen; 4-(6-Methoxy-2-naphthyl)-2-butanone)	42924-53-8	228.29	mg/m^3	9.33	C15H16O2	S	80
2026	Nadic methyl anhydride	25134-21-8	178.2	mg/m^3	7.28	C10.H10.O3	L	18
2027	Naphtha (coal tar); (Naphtha [petroleum] light aliphatic; Aliphatic naphtha)	8030-30-6	100	ppm	4.09	[Unspecified]	S	
2028	Naphtha (petroleum), heavy catalytic cracked	64741-54-4		mg/m^3		[Unspecified]	L	
2029	Naphtha (petroleum), light straight-run	64741-46-4	100	ppm	4.09	C4 to C10 hydrocarbons	G	
2030	Naphtha, heavy aliphatic solvent	64742-96-7		mg/m^3		C11 to C16 range	L	
2031	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	171.27	ppm	7.00	[Unspecified]	L	-71
2032	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	143.19	mg/m^3	5.85	C10H9N	S	49.2
2033	Naphthalene	91-20-3	128.17	ppm	5.24	C10H8	S	80.26
2034	Naphthaleneacetamide, 1-	86-86-2	185.24	mg/m^3	7.57	C12H11NO	S	
2035	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	452.30861	mg/m^3	18.49	C10.H7.Na3.O10.S3	S	
2036	Naphthenic acid, lead salt	61790-14-5	1578.52	mg/m^3	64.52	[Unspecified]	L	~0

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2015	Monosodium titanate	60704-88-3						12/30/95	12/03/09	12/31/11
2016	Montmorillonite	1318-93-0						10/11/05	01/19/09	12/31/11
2017	Morpholine	110-91-8	128.9	10	23	1.007	14000	01/04/99	06/08/09	12/31/11
2018	Morpholinepropanesulfonic acid, 4-	1132-61-2	277-280					04/15/07		12/31/11
2019	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9						10/11/05	10/15/06	12/31/11
2020	Muscimol; (5-Aminomethyl-3-isoxyzole)	2763-96-4		0.00001	25			12/08/02	06/08/09	12/31/11
2021	Mustard gas sulfoxide; (bis(2-Chloroethyl)sulfoxide)	5819-08-9						07/11/07	04/13/09	12/31/11
2022	Myoglobins	9008-45-1						10/11/05	06/08/09	12/31/11
2023	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1					4230	12/08/02		12/31/11
2024	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	192.6 @ 20 mm	0.0000935	25	0.8532 @ 20C		12/08/02		12/31/11
2025	Nabumetone; (Relafen; 4-(6-Methoxy-2-naphthyl)-2-butanone)	42924-53-8						08/21/96	12/03/09	12/31/11
2026	Nadic methyl anhydride	25134-21-8	143 @ 10 mm			1.232		04/14/04	10/15/06	12/31/11
2027	Naphtha (coal tar); (Naphtha [petroleum] light aliphatic; Aliphatic naphtha)	8030-30-6	~150 - variable	< 5		0.89 - variable	10000	09/30/97	12/09/11	12/09/11
2028	Naphtha (petroleum), heavy catalytic cracked	64741-54-4	149-216			0.862- 0.892		03/01/00	12/09/11	12/09/11
2029	Naphtha (petroleum), light straight-run	64741-46-4	-20 to 180				10000	08/17/07	12/09/11	12/09/11
2030	Naphtha, heavy aliphatic solvent	64742-96-7	190-290					07/11/07	12/09/11	12/09/11
2031	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	65 --> 230	0.49	68	0.77 @ 60C	6000	03/01/00	06/08/09	12/31/11
2032	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	300.7	7.5x10-2	62	1.0228 @ 20ºC		12/30/95	12/03/09	12/31/11
2033	Naphthalene	91-20-3	217.9	7.5x10-2	24.1	1.0253 @ 20ºC	9000	12/30/95	12/03/09	12/31/11
2034	Naphthaleneacetamide, 1-	86-86-2	181subl					08/07/98	10/15/06	12/31/11
2035	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4						10/11/05	06/08/09	12/31/11
2036	Naphthenic acid, lead salt	61790-14-5						01/04/99	01/19/12	01/19/12

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2037	Naphthol, 1-	90-15-3	144.18	mg/m^3	5.89	C10.H8.O	S	96
2038	Naphthol, 2-	135-19-3	144.18	mg/m^3	5.89	C10.H8.O	S	122
2039	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	224.2308	mg/m^3	9.16	C10.H6.O4.S		
2040	Naphthoquinone, 1,4-	130-15-4	158.15	mg/m^3	6.46	C10H6O2	S	128.5
2041	Naphthylamine, beta-	91-59-8	143.2	mg/m^3	5.85	C10H9N	S	125-126
2042	Naphthylthiourea, alpha-; (ANTU)	86-88-4	202.29	mg/m^3	8.27	C11H10N2S	S	198
2043	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0		mg/m^3			L	
2044	Neodecanoic acid	26896-20-8	172.3	mg/m^3	7.04	C10H20O2	L	
2045	Neodecanoic acid, calcium salt; (Calcium neodecanoate)	27253-33-4	382.5978	mg/m^3	15.64	C20.H38.Ca.O4	S	
2046	Neodymium	7440-00-8	144.24	mg/m^3	5.90	Nd	S	1016
2047	Neodymium bromide	13536-80-6	383.95	mg/m^3	15.69	Br3Nd	S	684
2048	Neodymium fluoride	13709-42-7	201.2352096	mg/m^3	8.22	Nd.F3	S	1377
2049	Neodymium hydroxide	16469-17-3	195.26	mg/m^3	7.98	Nd(OH)3	S	
2050	Neodymium nitrate	10045-95-1	330.26	mg/m^3	13.50	N3NdO9	S	
2051	Neodymium nitrate, pentahydrate	14517-29-4	438.35	mg/m^3	17.92	Nd.(N.O3)3.6(H2.O)	S hygr	
2052	Neodymium nitrite	z-0033	282.23	mg/m^3	11.54	Nd(NO2)3	S	
2053	Neodymium(III) chloride	10024-93-8	250.6	mg/m^3	10.24	Cl3Nd	S	759
2054	Neodymium(III) oxide	1313-97-9	336.48	mg/m^3	13.75	Nd2-O3	S	2233
2055	Neon	7440-01-9	20.18	ppm	0.82	Ne	G	-248.67
2056	Nickel	7440-02-0	58.69	mg/m^3	2.40	Ni	S	1455
2057	Nickel acetate tetrahydrate	6018-89-9	248.84	mg/m^3	10.17	C4H14O48Ni	S	250 dec
2058	Nickel aluminide	12003-78-0	79.67	mg/m^3	3.26	Ni.Al	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2037	Naphthol, 1-	90-15-3	282.5	1.7	100	1.0989 @ 99C		10/11/05		12/31/11
2038	Naphthol, 2-	135-19-3	286	10	145.5	0.581 @ 0C		10/11/05	12/08/11	12/08/11
2039	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9						10/11/05	06/08/09	12/31/11
2040	Naphthoquinone, 1,4-	130-15-4	subl.	0.0195	50	1.422 no temp		08/21/96	12/04/09	12/31/11
2041	Naphthylamine, beta-	91-59-8				1.422		09/30/97	12/04/09	12/31/11
2042	Naphthylthiourea, alpha-; (ANTU)	86-88-4	400	0.000001	25			06/13/02	06/07/10	12/31/11
2043	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0						07/11/07	06/08/09	12/31/11
2044	Neodecanoic acid	26896-20-8						09/30/97	12/09/11	12/09/11
2045	Neodecanoic acid, calcium salt; (Calcium neodecanoate)	27253-33-4						09/02/08	12/09/11	02/08/12
2046	Neodymium	7440-00-8	3074	7.5x10-3	1322.3	7.01		07/11/07	12/21/11	12/21/11
2047	Neodymium bromide	13536-80-6	540? HC@P					08/07/98	06/07/10	12/31/11
2048	Neodymium fluoride	13709-42-7	2300			6.51		12/08/02	06/07/10	12/31/11
2049	Neodymium hydroxide	16469-17-3						12/08/02	06/08/09	
2050	Neodymium nitrate	10045-95-1						09/30/97	12/04/09	12/31/11
2051	Neodymium nitrate, pentahydrate	14517-29-4						10/11/05	06/08/09	12/31/11
2052	Neodymium nitrite	z-0033						12/08/02	06/08/09	04/20/07
2053	Neodymium(III) chloride	10024-93-8	1600			4.13		07/09/97	12/04/09	12/31/11
2054	Neodymium(III) oxide	1313-97-9	3760			7.24		09/17/07	06/08/09	12/31/11
2055	Neon	7440-01-9	-245.9			1.204 @ BP		04/14/04	06/08/09	
2056	Nickel	7440-02-0	2913	7.5x10-3	1510	8.9		12/30/95	12/09/09	12/31/11
2057	Nickel acetate tetrahydrate	6018-89-9				1.74		10/11/05	06/07/10	12/31/11
2058	Nickel aluminide	12003-78-0						10/11/05	06/08/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2059	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	376.26	mg/m^3	15.38	C.H4.Ni3.O7.4H2O	S	
2060	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	304.18	mg/m^3	12.43	Ni3.C.H4.O7	S	
2061	**Nickel carbonyl**	**13463-39-3**	170.73	ppm	6.98	C4NiO4	L	-19.3
2062	Nickel chloride; (Nickelous chloride)	7718-54-9	129.61	mg/m^3	5.30	Ni.Cl2	S deliq	1001 sealed tube
2063	Nickel cyanide	557-19-7	110.75	mg/m^3	4.53	Ni.C2N2	S	>200
2064	Nickel fluoride	13940-83-5	168.751	mg/m^3	6.90	F2.H8.Ni.O4	S	
2065	Nickel formate	3349-06-2	148.73	mg/m^3	6.08	C2H4NiO4	S	
2066	Nickel oxalate (liquids)	6018-94-6a	146.71	mg/m^3	6.00	C2NiO4	L	
2067	Nickel oxalate (solids)	6018-94-6b	182.75	mg/m^3	7.47	C2H4NiO6	S	
2068	Nickel oxide; (Nickel(II) oxide)	1313-99-1	74.69	mg/m^3	3.05	NiO	S	1957
2069	Nickel perchlorate	13637-71-3	365.685	mg/m^3	14.95	Ni.(Cl.O4)2-6(H2.O)	S	140
2070	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	250.89	mg/m^3	10.25	Ni.H4.N2.O6.S2	L	
2071	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	262.89	mg/m^3	10.74	H12NiO10S	S	103 loses water
2072	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	154.76	mg/m^3	6.33	NiO4S	S	840 dec
2073	Nickel(2+) stearate	2223-95-2	625.64	mg/m^3	25.57	C36.H70.Ni.O4	S	
2074	Nickel(II) bromide	13462-88-9	218.417	mg/m^3	8.93	Ni.Br2	S hygr	963
2075	Nickel(II) carbonate (1:1)	3333-67-3	118.72	mg/m^3	4.85	Ni.C.O3	S	dec
2076	Nickel(II) chloride hexahydrate	7791-20-0	237.73	mg/m^3	9.72	Cl2H12NiO6	S deliq	subl
2077	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	92.71	mg/m^3	3.79	H2NiO2	S	230 dec
2078	Nickel(II) nitrate hexahydrate	13478-00-7	290.85	mg/m^3	11.89	H12N2NiO12	L	56.7
2079	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	182	mg/m^3	7.44	N2NiO6	S	56.7
2080	Nickel(II) nitrite	17861-62-0	150.7	mg/m^3	6.16	Ni.(NO2)2	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2059	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8						04/14/04	06/07/10	12/31/11
2060	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4				2.6		04/14/04	06/07/10	12/31/11
2061	**Nickel carbonyl**	**13463-39-3**	42.1	750	42	1.31	20000	11/30/92	12/09/09	12/31/11
2062	Nickel chloride; (Nickelous chloride)	7718-54-9	973 sublime			3.51		06/13/02	06/07/10	12/31/11
2063	Nickel cyanide	557-19-7				2.393		06/13/02	06/07/10	12/31/11
2064	Nickel fluoride	13940-83-5						10/11/05	06/07/10	12/31/11
2065	Nickel formate	3349-06-2				2.15		08/07/98	06/08/10	12/31/11
2066	Nickel oxalate (liquids)	6018-94-6a						12/08/02	12/10/10	12/31/11
2067	Nickel oxalate (solids)	6018-94-6b						12/08/02	12/10/10	12/31/11
2068	Nickel oxide; (Nickel(II) oxide)	1313-99-1				6.72		08/21/96	07/07/10	12/31/11
2069	Nickel perchlorate	13637-71-3						10/11/05	07/07/10	12/31/11
2070	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3						04/14/04	07/07/10	12/31/11
2071	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0				2.031		08/07/98	07/07/10	12/31/11
2072	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	103			4.01		09/30/97	12/04/09	12/31/11
2073	Nickel(2+) stearate	2223-95-2						10/11/05	07/07/10	12/31/11
2074	Nickel(II) bromide	13462-88-9				5.1		04/14/04	06/08/10	12/31/11
2075	Nickel(II) carbonate (1:1)	3333-67-3				4.39		10/11/05	07/07/10	12/31/11
2076	Nickel(II) chloride hexahydrate	7791-20-0	987	1	671	3.55		08/07/98	06/08/10	12/31/11
2077	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7				4.1		09/30/97	01/16/12	01/16/12
2078	Nickel(II) nitrate hexahydrate	13478-00-7	136.7			2.05		09/30/97	07/07/10	12/31/11
2079	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	137			2.05 no temp		12/30/95	06/08/10	12/31/11
2080	Nickel(II) nitrite	17861-62-0						12/08/02	07/07/10	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2081	Nickel(II) phosphate	10381-36-9	366.01	mg/m^3	14.96	Ni3.(PO4)2	S	
2082	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	109.74	mg/m^3	4.49	H3NiO3	S	230 dec
2083	Nicotinamide	98-92-0	122.14	mg/m^3	4.99	C6.H6.N2.O	S	129
2084	Nicotine sulfate	65-30-5	418.56	mg/m^3	17.11	C20H26N4.O4S	S	
2085	Nicotine, dl-beta-; (DL-Nicotine)	22083-74-5	417.48	mg/m^3	17.06	C10-H14-N2	S	-79
2086	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	162.26	mg/m^3	6.63	C10H14N2	L	-79
2087	Nicotinic acid; (Niacin)	59-67-6	123.12	mg/m^3	5.03	C6.H5.N.O2	S	236
2088	Niobium	7440-03-1	92.1	mg/m^3	3.76	Nb	S	2468
2089	Niobium chloride	10026-12-7	270.16	mg/m^3	11.04	Cl5Nb	S	204.7-209.5
2090	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	265.82	mg/m^3	10.86	Nb2O5	S	1512
2091	Niobium(IV) carbide	12069-94-2	104.92	mg/m^3	4.29	Nb.C	S	3500
2092	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	230.9	mg/m^3	9.44	C6H3Cl4N	S	62-63
2093	Nitrate(s)	14797-55-8	62.005	mg/m^3	2.53	NO3	S	
2094	**Nitric acid**	**7697-37-2**	63.01	ppm	2.58	HNO3	L	-41.6
2095	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	119.12	ppm	4.87	C4.H9.N.O3	L	
2096	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	91.08	ppm	3.72	C2.H5.N.O3	L	-112
2097	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	133.17	ppm	5.44	C5.H11.N.O3	L	-123
2098	**Nitric oxide**	**10102-43-9**	30.01	ppm	1.23	NO	G	-163.3
2099	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6	235.12	mg/m^3	9.61	C6.H7.N.O6.2Na	S	>300
2100	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8	275.101	mg/m^3	11.24	C6.H6.N.O6.3Na.H2.0	S	340
2101	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	191.16	mg/m^3	7.81	C6H9NO6	S	242
2102	Nitrilotris(methylene)trisphosphonic acid; (Amino, tris[methylene phosphonic acid])	6419-19-8	299.07	mg/m^3	12.22	C3.H12.N.O9.P3	L	-14

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2081	Nickel(II) phosphate	10381-36-9						12/08/02	07/07/10	12/31/11
2082	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3				4.15		09/30/97	06/08/10	12/31/11
2083	Nicotinamide	98-92-0	157 @ 0.0005 mm	0.00042	25	1.4		10/11/05	10/15/06	12/31/11
2084	Nicotine sulfate	65-30-5		0.00001	25	1.15 @ 20C		12/08/02	06/08/09	12/31/11
2085	Nicotine, dl-beta-; (DL-Nicotine)	22083-74-5	247	0.038	25	1.0097 @ 20C		06/13/02	06/08/09	12/31/11
2086	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	247.3	0.038/1	25/61.8	1.0092 @ 20C	7000	06/13/02	06/08/09	12/31/11
2087	Nicotinic acid; (Niacin)	59-67-6	subl.			1.473		10/11/05	06/08/09	12/31/11
2088	Niobium	7440-03-1	4742			8.57		07/02/08	06/08/09	12/31/11
2089	Niobium chloride	10026-12-7	250			2.75		01/04/99	01/25/12	01/25/12
2090	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8				4.6		08/07/98		12/31/11
2091	Niobium(IV) carbide	12069-94-2				7.7		04/15/07	06/17/09	12/31/11
2092	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4		0.003	22.5			06/13/02	06/08/09	12/31/11
2093	Nitrate(s)	14797-55-8						01/04/99	06/08/09	12/31/11
2094	**Nitric acid**	**7697-37-2**	83	75	28.4	1.5129 @ 20ºC		11/30/92	12/11/09	04/20/07
2095	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	136			1.0228 @ 30C		04/15/07	06/08/09	12/31/11
2096	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	87.7	64	25	1.004 @ 20C	41000	10/11/05	06/08/09	12/31/11
2097	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	145			0.99		10/11/05	10/15/06	12/31/11
2098	**Nitric oxide**	**10102-43-9**	-151.74	750	-151.9	1.226		12/30/95	12/07/09	08/17/07
2099	Nitrilotriacetic acid, disodium salt; (Disodium nitrilotriacetate)	15467-20-6						10/11/05	10/15/06	12/31/11
2100	Nitrilotriacetic acid, trisodium salt, monohydrate	18662-53-8				1.782	2000	04/15/07	02/16/12	02/16/12
2101	Nitrilotriacetic acid; (Aminotriacetic acid)	139-13-9	167 @ 13 mm					01/04/99	10/15/06	12/31/11
2102	Nitrilotris(methylene)trisphosphonic acid; (Amino, tris[methylene phosphonic acid])	6419-19-8	105			1.33 @ 20		09/05/08	06/08/09	12/31/11

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2103	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	138.13	mg/m^3	5.65	C6H6N2O2	S	72
2104	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	138.13	mg/m^3	5.65	C6H6N2O2	S	114
2105	Nitroaniline, p-	100-01-6	138.12	mg/m^3	5.65	C6H6N2O2	S	147.5
2106	Nitrobenzene	98-95-3	123.11	ppm	5.03	C6H5NO2	L	5.7
2107	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	225.16	mg/m^3	9.20	C6.H4.N.O5.Na	S	350
2108	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	92-93-3	199.21	mg/m^3	8.14	C12H9NO2	S	114
2109	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-Chloronitrobenzene)	121-73-3	157.56	mg/m^3	6.44	C6H4 ClNO2	S	46
2110	Nitrocyclohexane	1122-60-7	129.18	mg/m^3	5.28	C6H11NO2	L	-34
2111	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	127.1	ppm	5.19	[C6H9-NO2]		
2112	Nitrodiphenylamine, 2-	119-75-5	214.24	mg/m^3	8.76	C12H10N2O2	S	75.5
2113	Nitroethane	79-24-3	75.08	ppm	3.07	C2H5NO2	L	-90
2114	Nitrogen	7727-37-9	28.02	ppm	1.15	N2	G	-210
2115	**Nitrogen dioxide**	**10102-44-0**	46.01	ppm	1.88	NO2	G	-9.3
2116	Nitrogen mustard hydrochloride	55-86-7	192.52	mg/m^3	7.87	C5H12Cl3N	S	111.5
2117	**Nitrogen mustard; (Bis(b-chloroethyl)methylamine; Nitrogen mustard-2)**	**51-75-2**	156.05	mg/m^3	6.38	C5H11Cl2N	L	-60
2118	**Nitrogen tetroxide**	**10544-72-6**	92.02	mg/m^3	3.76	N2O4	G	-11.2
2119	**Nitrogen trifluoride**	**7783-54-2**	71.01	ppm	2.90	F3N	G	-208.5
2120	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	76.011	ppm	3.11	N2O3	G	-101.1
2121	Nitroglycerin	55-63-0	227.09	mg/m^3	9.28	C3H5N3O9	L	13.5
2122	Nitromethane	75-52-5	61.05	ppm	2.50	CH3NO2	L	-29
2123	Nitromethane-d3; (Trideuteronitromethane)	13031-32-8	64.06	ppm	2.62	C.D3.N.O2	L	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2103	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	284.5	0.00277	25	0.9015 @ 25C	15000	12/08/02	10/15/06	12/31/11
2104	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	306.4	0.0000362	25	0.9011 @ 25C		12/08/02	10/15/06	12/31/11
2105	Nitroaniline, p-	100-01-6	332	7.5x10-3	87.8	1.424 @ 20ºC		12/30/95	12/07/09	12/31/11
2106	Nitrobenzene	98-95-3	210.8	7.5x10-2	10	1.2037 @ 20ºC	18000	12/30/95	12/07/09	12/31/11
2107	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4						07/11/07		12/31/11
2108	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	92-93-3	340					09/30/97	12/07/09	12/31/11
2109	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-Chloronitrobenzene)	121-73-3	236	0.097	25	1.534 @ 20C		06/13/02	01/10/12	01/12/12
2110	Nitrocyclohexane	1122-60-7	205.5	0.35	25	1.0610 @ 20C		12/08/02	06/08/09	12/31/11
2111	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0						12/08/02	06/08/09	
2112	Nitrodiphenylamine, 2-	119-75-5				1.36		03/01/00	10/15/06	12/31/11
2113	Nitroethane	79-24-3	114	15.6	20	1.046	34000	01/04/99		12/31/11
2114	Nitrogen	7727-37-9	-195.79			0.808 @ -195.8C		04/15/07		06/08/09
2115	**Nitrogen dioxide**	**10102-44-0**	21.15	908	25	1.88		11/30/92	06/08/09	10/15/06
2116	Nitrogen mustard hydrochloride	55-86-7	87 @ 18mmHg			1.118		08/07/98		12/31/11
2117	**Nitrogen mustard; (Bis(b-chloroethyl)methylamine; Nitrogen mustard-2)**	**51-75-2**	87 @ 18mmHg	0.17	25	1.118	34000	09/30/97	12/07/09	12/31/11
2118	**Nitrogen tetroxide**	**10544-72-6**	21.15			1.493 @ 20ºC		06/13/02	03/11/11	01/22/10
2119	**Nitrogen trifluoride**	**7783-54-2**	-129			1.537 @ -129ºC		08/07/98	01/22/10	01/22/10
2120	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	~ 3			1.4 @ 2ºC		07/03/08	06/08/09	12/31/11
2121	Nitroglycerin	55-63-0	218 expl	7.5x10-3	48.6	1.5931 @ 20ºC		09/30/97	12/08/09	12/31/11
2122	Nitromethane	75-52-5	101	27.8	20	1.1322	73000	01/04/99	02/08/12	02/08/12
2123	Nitromethane-d3; (Trideuteronitromethane)	13031-32-8	100			1.183		07/11/07	02/08/12	02/08/12

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2124	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	151.18	mg/m^3	6.18	C8.H9.N.O2	S	15
2125	Nitronium Tetrafluoroborate	13826-86-3	132.82	mg/m^3	5.43	B.F4.N.O2	S	
2126	Nitrophenol (mixed isomers)	25154-55-6	139.12	mg/m^3	5.69	C6H5NO3	S	
2127	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	139.12	mg/m^3	5.69	C6H5NO3	S	45
2128	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	139.12	mg/m^3	5.69	C6H5NO3	S	97
2129	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7	139.11	mg/m^3	5.69	C6H5NO3	S	113.6
2130	Nitropropane, 1-	108-03-2	89.09	ppm	3.64	C3H7NO2	L	-108
2131	Nitropropane, 2-	79-46-9	89.09	ppm	3.64	C3H7NO2	L	-91.3
2132	Nitropyrene, 1-	5522-43-0	247.26	mg/m^3	10.11	C16H9NO2	S	151-152
2133	Nitropyridine-N-oxide, 4-; (Pyridine, 4-nitro, 1-oxide)	1124-33-0	140.11	mg/m^3	5.73	C5H4N2O3	S	159-160
2134	Nitrosodimethylamine	62-75-9	74.08	mg/m^3	3.03	C2H6N2O	L	
2135	Nitrosodiphenylamine, p-	156-10-5	198.24	mg/m^3	8.10	C12H10N2O	S	144-145
2136	Nitrosodipropylamine; (DPNA)	621-64-7	130.22	mg/m^3	5.32	C6H14N2O		
2137	Nitrosomorpholine	59-89-2	116.12	mg/m^3	4.75	C4H8N2O2	S	29
2138	Nitroso-N-methylurea, N-	684-93-5	103.08	mg/m^3	4.21	C2H5N3O2	S	123 dec
2139	Nitrosophenol, p-	104-91-6	123.11	mg/m^3	5.03	C6H5NO2	S	144 dec
2140	Nitrosotoluene, 2-; (o-Nitrosotoluene)	611-23-4	121.15	mg/m^3	4.95	C7H7NO	S	72.5
2141	Nitrosyl chloride	2696-92-6	65.46	ppm	2.68	ClNO	G	-61.5
2142	Nitrosylsulfuric acid	7782-78-7	127.07	mg/m^3	5.19	H.N.O5.S	S	73.5 dec
2143	Nitrotoluene, m-	99-08-1	137.15	ppm	5.61	C7H7NO2	L	16
2144	Nitrotoluene, o-	88-72-2	137.15	ppm	5.61	C7H7NO2	L	-10
2145	Nitrotoluene, p-	99-99-0	137.14	ppm	5.61	C7H7NO2	S	51.63

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2124	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	226			1.112 @ 15C		07/11/07		12/31/11
2125	Nitronium Tetrafluoroborate	13826-86-3						07/11/07	06/08/09	12/31/11
2126	Nitrophenol (mixed isomers)	25154-55-6						06/13/02		02/08/12
2127	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	214.5	1	49.3	1.495		01/10/01		12/31/11
2128	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	194 @ 70 mm	0.1	25	1.485 @ 20 C		06/13/02		12/31/11
2129	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7		7.5x10-3	72.6	1.479 @ 20ºC		12/30/95	12/08/09	12/31/11
2130	Nitropropane, 1-	108-03-2	131.1	7.5	20	0.9961	22000	09/30/97	12/08/09	12/31/11
2131	Nitropropane, 2-	79-46-9	120.2	7.5	10.7	0.9821	16000	12/30/95	12/08/09	12/31/11
2132	Nitropyrene, 1-	5522-43-0						06/13/02		12/31/11
2133	Nitropyridine-N-oxide, 4-; (Pyridine, 4-nitro, 1-oxide)	1124-33-0						06/13/02		12/31/11
2134	Nitrosodimethylamine	62-75-9	152	7.5	30.7	1.0048		09/30/97	12/08/09	12/31/11
2135	Nitrosodiphenylamine, p-	156-10-5						06/13/02		12/31/11
2136	Nitrosodipropylamine; (DPNA)	621-64-7						01/04/99	01/22/12	01/22/12
2137	Nitrosomorpholine	59-89-2	225					09/30/97	12/08/09	12/31/11
2138	Nitroso-N-methylurea, N-	684-93-5						09/30/97	12/08/09	12/31/11
2139	Nitrosophenol, p-	104-91-6						09/30/97	12/08/09	12/31/11
2140	Nitrosotoluene, 2-; (o-Nitrosotoluene)	611-23-4						09/30/97	12/08/09	12/31/11
2141	Nitrosyl chloride	2696-92-6	-6.4	>760		1.250 L @ 30C		01/04/99		12/31/11
2142	Nitrosylsulfuric acid	7782-78-7				3		07/11/07		12/31/11
2143	Nitrotoluene, m-	99-08-1	231.9	0.27	25	1.1630 @ 15C	16000	06/13/02	06/08/09	12/31/11
2144	Nitrotoluene, o-	88-72-2	222.3	1	50	1.1622 @ 19C/15C	21000	06/13/02	06/08/09	12/31/11
2145	Nitrotoluene, p-	99-99-0	238.3	0.164	25	1.1038 @ 75ºC	16000	09/30/97	12/08/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2146	Nitrous acid	7782-77-6	47.01	mg/m^3	1.92	HNO2	L	
2147	Nitrous oxide	10024-97-2	44.01	ppm	1.80	N2O	G	-90.8
2148	Nonacosane	630-03-5	408.793	mg/m^3	16.71	C29.H60	S	
2149	Nonanal	124-19-6	142.27	mg/m^3	5.81	C9-H18-O	L	
2150	Nonane; (Shellsol 140)	111-84-2	128.26	ppm	5.24	C9H20	L	-53.46
2151	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	139.27	ppm	5.69	C9-H17-N	L	-34.2
2152	Nonanoic acid	112-05-0	158.27	mg/m^3	6.47	C9.H18.O2	L	12
2153	Nonanone, 2-	821-55-6	142.27	ppm	5.81	C9-H18-O	L	-9
2154	Nonene, 1-	124-11-8	126.24	ppm	5.16	C9.H18	L	-81.3
2155	Nonoxynol-4	7311-27-5	396.57	mg/m^3	16.21	C23H40O5	L	
2156	Nonyl alcohol	143-08-8	144.29	mg/m^3	5.90	C9.H20.O	L	-5
2157	Nonyl phenol (mixed isomers)	25154-52-3	220.35	mg/m^3	9.01	C15H24O	L	-10
2158	Nonyl phenol, 4- (branched)	84852-15-3	220.39	mg/m^3	9.01	C15H24O	L	
2159	Nonyl phenol, p-	104-40-5	220.35	mg/m^3	9.01	C15H24O	L	42
2160	Nonylphenol, 4-, branched, ethoxylated	127087-87-0	396.63	mg/m^3	16.21	C23-H40-O5	L	
2161	Nonylphenoxypolyethoxyethanol	68412-54-4		mg/m^3		[Unspecified]	S	
2162	**Nonyltrichlorosilane**	**5283-67-0**	261.72	ppm	10.70	C9.H19.Cl3.Si	L	
2163	Norbormide	991-42-4	511.61	mg/m^3	20.91	C33H25N3O3	S	190-198
2164	Norchlorofluoroepibatidine	z-0034		mg/m^3		[Unknown]	L?	
2165	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	459.72	mg/m^3	18.79	C12Cl8O2	S	330-332
2166	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	443.72	mg/m^3	18.14	C12Cl8O	S	
2167	Octachloronaphthalene	2234-13-1	403.73	mg/m^3	16.50	C10Cl8	S	197.5

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2146	Nitrous acid	7782-77-6						12/08/02	02/08/12	12/31/11
2147	Nitrous oxide	10024-97-2	-88.48	750	-88.7	1.799		11/30/92	06/08/09	12/31/11
2148	Nonacosane	630-03-5						06/13/02	06/09/09	12/31/11
2149	Nonanal	124-19-6	190-192			0.820-0.830		12/08/02	10/15/06	12/31/11
2150	Nonane; (Shellsol 140)	111-84-2	150.82	7.5	34	0.7192 @ 20ºC	7000	11/15/96	12/09/09	12/31/11
2151	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	224.4			0.8178 @ 20C		12/08/02	06/09/09	12/31/11
2152	Nonanoic acid	112-05-0	254	0.00165	25	0.9055 @ 20C		10/11/05	10/15/06	12/31/11
2153	Nonanone, 2-	821-55-6	194			0.832 @ 30C	9000	12/08/02	10/15/06	12/31/11
2154	Nonene, 1-	124-11-8	146.9	5.4	25	0.7433	8000	10/11/05	10/15/06	12/31/11
2155	Nonoxynol-4	7311-27-5						06/13/02	06/09/09	12/31/11
2156	Nonyl alcohol	143-08-8	213.5	0.0227	25	0.827 @ 20C	8000	10/11/05	10/15/06	12/31/11
2157	Nonyl phenol (mixed isomers)	25154-52-3	293-297	2.36x10-5	25	0.950 @ 20ºC	10000	07/09/97	12/09/09	12/31/11
2158	Nonyl phenol, 4- (branched)	84852-15-3						07/09/97	12/09/09	12/31/11
2159	Nonyl phenol, p-	104-40-5	~295			0.950 @ 20ºC		07/09/97	12/09/09	12/31/11
2160	Nonylphenol, 4-, branched, ethoxylated	127087-87-0						01/04/99	10/15/06	12/31/11
2161	Nonylphenoxypolyethoxyethanol	68412-54-4						01/04/99	06/09/09	12/31/11
2162	**Nonyltrichlorosilane**	**5283-67-0**				1.072		09/05/08	06/09/09	
2163	Norbormide	991-42-4						12/08/02	06/09/09	12/31/11
2164	Norchlorofluoroepibatidine	z-0034						07/09/97	12/09/09	12/31/11
2165	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9		8E-13	25			03/01/00	02/16/12	02/16/12
2166	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0						03/01/00	01/19/12	01/19/12
2167	Octachloronaphthalene	2234-13-1	441 @ 7mmHg	1.1x10-8	25	2.0		09/30/97	12/09/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2168	Octacosane	630-02-4	394.76852	ppm	16.13	C28.H58	S	57-62
2169	Octadecane, n-	593-45-3	254.495	ppm	10.40	C18.H38	S	28.2
2170	Octadecanoic acid, n-; (Stearic acid)	57-11-4	284.48	mg/m^3	11.63	C18H36O2	S	69.3
2171	Octadecanol, 1-	112-92-5	270.56	ppm	11.06	C18-H38-O	S	58
2172	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	282.52	mg/m^3	11.55	C18.H34.O2	L	16.3
2173	Octadecyl methacrylate	32360-05-7	338.5726	mg/m^3	13.84	C22.H42.O2	L	18-20
2174	**Octadecyltrichlorosilane**	**112-04-9**	387.99	ppm	15.86	C18.H37.Cl3.Si	L	
2175	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	200.03	ppm	8.18	C4F8	G	-41.4
2176	Octamethylcyclotetrasiloxane	556-67-2	296.68	ppm	12.13	C8-H24-O4-Si4	L	17.5
2177	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide)	152-16-9	286.3	mg/m^3	11.70	C8H24N4O3P2	L	20-21
2178	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	128.24	mg/m^3	5.24	C8-H16-O	L	-23
2179	Octanamine, 1-	111-86-4	129.28	mg/m^3	5.28	C8.H19.N	L	
2180	Octane, n-	111-65-9	114.26	ppm	4.67	CH3.(CH2)6.CH3	L	
2181	Octanedione, 2,5-	3214-41-3	142	mg/m^3	5.80	C8H14O2	L	
2182	Octanenitrile	124-12-9	125.24	ppm	5.12	C8-H15-N	L	-45.6
2183	Octanethiol, 1-	111-88-6	146.21	ppm	5.98	C8.H18.S	L	-49.2
2184	Octanoic acid; (Caprylic acid)	124-07-2	144.24	mg/m^3	5.90	C8.H16.O2	L	17
2185	Octanol, 2-	123-96-6	130.26	mg/m^3	5.32	C8.H18.O	L	-31.6
2186	Octanone, 2-	111-13-7	128.24	mg/m^3	5.24	C8-H16-O	L	-16
2187	Octaphenylcyclotetrasiloxane	546-56-5	793.24	mg/m^3	32.42	C48.H40.O4.Si4	S	200.5
2188	**Octene, 1-**	**111-66-0**	112.22	ppm	4.59	C8H16	L	-101.7
2189	**Octyl alcohol; (n-Octanol)**	**111-87-5**	130.28	ppm	5.32	C8H18O	L	-16.7

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2168	Octacosane	630-02-4	440	<1	20			06/13/02	06/09/09	12/31/11
2169	Octadecane, n-	593-45-3	316.3			0.7768 @ 28C		10/11/05	06/09/09	12/31/11
2170	Octadecanoic acid, n-; (Stearic acid)	57-11-4	350 dec	7.5x10-2	153	0.9408 @ 20ºC		09/30/97	12/09/09	12/31/11
2171	Octadecanol, 1-	112-92-5	202	0.0000026	25	0.8124 @ 59C	4000	12/08/02	10/15/06	12/31/11
2172	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	286 @ 100 mm	1	176.5	0.895 @ 25C		10/11/05	12/08/11	12/31/11
2173	Octadecyl methacrylate	32360-05-7	195 @ 6mm			0.864		10/11/05		12/31/11
2174	**Octadecyltrichlorosilane**	**112-04-9**	160 @ 13	<5	20	0.984		06/25/07	06/09/09	06/25/07
2175	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	-6.04			1.513 @ -21C		12/08/02	08/17/07	12/31/11
2176	Octamethylcyclotetrasiloxane	556-67-2	175			0.9558	8000	12/08/02		12/31/11
2177	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide)	152-16-9	154 @ 2 mm	0.001	25	1.09		12/08/02	02/26/08	12/31/11
2178	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	163.4	1.18	25	0.821 @ 20C		12/08/02		12/31/11
2179	Octanamine, 1-	111-86-4	185-187			0.779 @ 20C		10/11/05		12/31/11
2180	Octane, n-	111-65-9	125.8	10	19.2	0.7036	8000	06/13/02	12/09/11	12/31/11
2181	Octanedione, 2,5-	3214-41-3						03/01/00	10/15/06	12/31/11
2182	Octanenitrile	124-12-9	205.2			0.8136 @ 20C		12/08/02		12/31/11
2183	Octanethiol, 1-	111-88-6	198.1	0.4245	25	0.8433 @ 20C		07/11/07	06/09/09	12/31/11
2184	Octanoic acid; (Caprylic acid)	124-07-2	240			0.91 @ 20C		10/11/05		12/31/11
2185	Octanol, 2-	123-96-6	179.3	0.242	25	0.8193 @ 20C		10/11/05		12/31/11
2186	Octanone, 2-	111-13-7	172.5			0.820 @ 20C		12/08/02	06/09/09	12/31/11
2187	Octaphenylcyclotetrasiloxane	546-56-5	330					10/11/05	10/15/06	12/31/11
2188	**Octene, 1-**	**111-66-0**	121.2	17.4	25	0.71	9000	01/04/99	06/09/09	
2189	**Octyl alcohol; (n-Octanol)**	**111-87-5**	194.5			0.827		08/07/98	06/23/10	06/23/10

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2190	**Octyl mercaptan, t-**	**141-59-3**	146.32	ppm	5.98	C8.H18.S	L	
2191	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9	210.3182	mg/m^3	8.60	C16-H18		
2192	**Octyltrichlorosilane**	**5283-66-9**	246.69	ppm	10.08	C8.H17.Cl3.Si	L	
2193	Oil gas; (Oil fog)	z-0035	11.9	ppm	0.49	[Unspecified]	G	
2194	**Oleum; (fuming Sulfuric acid)**	**8014-95-7**	178.14	mg/m^3	7.28	H2O4S.O3S	L	
2195	Organorhodium complex	z-0036	300	mg/m^3	12.26	[Unspecified]	S	
2196	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	106.14	ppm	4.34	C4.H10.O3	L	15
2197	Osmium	7440-04-2	190.2	mg/m^3	7.77	Os	S	3033
2198	**Osmium tetroxide**	**20816-12-0**	254.23	ppm	10.39	O4Os	S	40.6
2199	**Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)**	**106602-80-6**	170	ppm	6.95			
2200	Ouabain	630-60-4	584.73	mg/m^3	23.90	C29H44O12	S	190
2201	Oxalic acid dihydrate	6153-56-6	126.1	mg/m^3	5.15	C2H6O6	S	189.5
2202	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	90.04	mg/m^3	3.68	C2H2O4	S	189.5 dec
2203	Oxalyl chlorine	79-37-8	126.93	ppm	5.19	Cl.C.O.CO.Cl	L	-16
2204	Oxamide	471-46-5	88.08	mg/m^3	3.60	C2.H4.N2.O2	S	350 dec
2205	Oxamyl	23135-22-0	219.29	mg/m^3	8.96	C7H13N3O3S	S	100-102
2206	Oxathiane, 1,4-	15980-15-1	104.18	ppm	4.26	C4H8OS	L	-17
2207	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	70.1	ppm	2.87	C4-H6-O	L	-135
2208	Oxone, monopersulfate compound	37222-66-5		mg/m^3			S	
2209	Oxybis(N,N-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	160.2588	ppm	6.55	C8H20N2O	L	
2210	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	134.09	mg/m^3	5.48	C4H6O5	S	148

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2190	**Octyl mercaptan, t-**	**141-59-3**	154-166	5.20	25	0.848 @ 15.5		01/22/10		12/31/11
2191	Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide	83242-95-9						08/07/98	06/09/09	12/31/11
2192	**Octyltrichlorosilane**	**5283-66-9**	232			1.07 @ 20C		09/05/08		04/20/07
2193	Oil gas; (Oil fog)	z-0035						12/08/02	06/09/09	12/31/11
2194	**Oleum; (fuming Sulfuric acid)**	**8014-95-7**						12/08/02	06/23/10	05/10/10
2195	Organorhodium complex	z-0036						12/08/02	08/07/09	12/31/11
2196	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	100.6			0.9676 @ 20C		10/11/05		12/31/11
2197	Osmium	7440-04-2	5012			22.59		07/11/07		12/31/11
2198	**Osmium tetroxide**	**20816-12-0**	131.2	11	27	5.1		09/30/97	12/09/09	06/27/08
2199	**Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)**	**106602-80-6**						10/11/05	06/09/09	10/15/06
2200	Ouabain	630-60-4						06/13/02	06/09/09	12/31/11
2201	Oxalic acid dihydrate	6153-56-6	dec	0.54	105	1.653		09/30/97	12/21/09	12/31/11
2202	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	157 subl	0.54	105	1.9 @ 17ºC		12/30/95	12/10/09	12/31/11
2203	Oxalyl chlorine	79-37-8	63.5			1.4785 @ 20C		07/11/07		12/31/11
2204	Oxamide	471-46-5	419 dec			1.667 @ 20C		04/15/07		12/31/11
2205	Oxamyl	23135-22-0	310	0.00023	25	0.98		12/08/02	06/09/09	12/31/11
2206	Oxathiane, 1,4-	15980-15-1	148.7			1.117	17600	01/04/99		12/31/11
2207	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	67			0.869		12/08/02	06/09/09	12/31/11
2208	Oxone, monopersulfate compound	37222-66-5						10/11/05	06/09/09	12/31/11
2209	Oxybis(N,N-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	80 @ 15mmHg					08/17/07	04/13/09	12/31/11
2210	Oxydiacetic acid; (Oxodiacetic acid)	110-99-6	dec					01/04/99	10/15/06	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2211	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	274.3	mg/m^3	11.21	C12.H18.O7	L	-4
2212	Oxydiphenoxarsine, 10,10'-; (Phenoxarsine oxide)	58-36-6	502.24	mg/m^3	20.53	C24H16As2O3	S	184-185
2213	Oxydisulfoton	2497-07-6	290.42	mg/m^3	11.87	C8H19O3PS3	L	
2214	**Oxygen difluoride; (Fluorine monoxide)**	**7783-41-7**	54	ppm	2.21	F2O	G	-223.8
2215	Ozone	10028-15-6	48	ppm	1.96	O3	G	-193
2216	Palladium	7440-05-3	106.42	mg/m^3	4.35	Pd	S	1554.8
2217	Palladium chloride	7647-10-1	177.33	mg/m^3	7.25	Cl2Pd	S crystals	678-680
2218	Palladium hydroxide	12135-22-7	140.43468	mg/m^3	5.74	Pd(OH)2	S	
2219	Palladium nitrate	10102-05-3	230.42	mg/m3	9.42	Pd. (N.O3)2	S hygr	dec.
2220	Palladium oxide	1314-08-5	122.42	mg/m3	5.00	Pd.O	S	750 dec.
2221	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethanolamine	71808-29-2		mg/m^3		Cl8.H36.O2.C6.H15.N.O3	S	115
2222	Paraffin, n-	8002-74-2		mg/m^3		[Unspecified]	varies	47-65
2223	Paraffins, petroleum, normal C5-C20	64771-72-8	189	ppm	7.72	[Unspecified]	Swax	
2224	Paraformaldehyde	30525-89-4		mg/m^3		(CH2O)n	S	155
2225	Paraldehyde	123-63-7	132.16	mg/m^3	5.40	C6H12O3	L	12.6
2226	Paraquat	4685-14-7	186.25	mg/m^3	7.61	C12H14N2	S	
2227	Paraquat dichloride	1910-42-5	257.16	mg/m^3	10.51	C12H14Cl2N2	S	300 dec
2228	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	408.48	mg/m^3	16.70	C12H4N2-2CH3-SO4	S	300
2229	**Parathion**	**56-38-2**	291.26	mg/m^3	11.90	C10H14NO5PS	L	6.1
2230	Paris Green; (Cupric acetoarsenite)	12002-03-8	1013.78	mg/m^3	41.43	C4-H6-As6-Cu4-O16	S	
2231	Particulate material (PNOS)	z-0037		mg/m^3		[Unspecified]	S	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2211	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	162			1.14		10/11/05	10/15/06	12/31/11
2212	Oxydiphenoxarsine, 10,10'-; (Phenoxarsine oxide)	58-36-6	380 dec	0.00001	25	1.40-1.42		12/08/02	06/09/09	12/31/11
2213	Oxydisulfoton	2497-07-6	330	0.0035	25			12/08/02	06/09/09	12/31/11
2214	**Oxygen difluoride; (Fluorine monoxide)**	**7783-41-7**	-144.8	760	-144.6	1.90 @ -224C		12/08/02	06/09/09	12/31/11
2215	Ozone	10028-15-6	-111.35	750	-111.5	1.962		11/30/92	12/10/09	12/31/11
2216	Palladium	7440-05-3	2963	7.5x10-3	1448	12		12/30/95	12/10/09	12/31/11
2217	Palladium chloride	7647-10-1				4		01/04/99	01/16/12	01/16/12
2218	Palladium hydroxide	12135-22-7						12/08/02	06/09/09	
2219	Palladium nitrate	10102-05-3						05/24/10	06/15/10	12/31/11
2220	Palladium oxide	1314-08-5				8.3		05/24/10	01/17/12	01/17/12
2221	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethanolamine	71808-29-2	360			1.65		04/14/04	06/09/09	12/31/11
2222	Paraffin, n-	8002-74-2				~0.90		12/30/95	12/10/09	12/31/11
2223	Paraffins, petroleum, normal C5-C20	64771-72-8	225-243	25.8	38	0.764 @ 15.6C		01/10/01	06/09/09	12/31/11
2224	Paraformaldehyde	30525-89-4	decomp			1.46 @ 15C		06/13/02	06/09/09	12/31/11
2225	Paraldehyde	123-63-7	124.3	7.5	17	0.9943 @ 20ºC	13000	12/30/95	12/10/09	12/31/11
2226	Paraquat	4685-14-7	175-180 dec	~0	20	1.24 @ 20ºC		09/30/97	05/10/10	12/31/11
2227	Paraquat dichloride	1910-42-5						08/07/98	05/10/10	10/15/06
2228	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2		0.0000001	25			06/13/02	05/10/10	12/31/11
2229	**Parathion**	**56-38-2**	375	6.68x10-6	20	1.2681 @ 20ºC		12/30/95	05/10/10	12/31/11
2230	Paris Green; (Cupric acetoarsenite)	12002-03-8		0.00001	25			12/08/02	06/09/09	12/31/11
2231	Particulate material (PNOS)	z-0037						01/10/01	06/09/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2232	PBX (mixture of HMX and nitrocellulose [CTN])	z-0038	450	mg/m^3	18.39	.25HMX+.75CTN	S	
2233	**Pentaborane**	**19624-22-7**	63.14	ppm	2.58	B5H9	L	-46.6
2234	Pentachlorobenzene	608-93-5	250.34	mg/m^3	10.23	C6HCl5	S	86
2235	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	340.4	mg/m^3	13.91	C12H3Cl5O	S	
2236	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	340.4	mg/m^3	13.91	C12H3Cl5O		196-196.5
2237	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	356.4	mg/m^3	14.57	C12H3Cl5O2	S	240-241
2238	Pentachloroethane	76-01-7	202.29	mg/m^3	8.27	C2HCl5	L	-28.78
2239	Pentachloronitrobenzene	82-68-8	295.34	mg/m^3	12.07	C6Cl5NO2	S	144
2240	Pentachlorophenol	87-86-5	266.34	mg/m^3	10.89	C6HCl5O	S	174
2241	Pentadecafluorooctanoic acid	335-67-1	414.09	mg/m^3	16.92	C8.H.F15.O2	S	55-56
2242	Pentadecane	629-62-9	212.47	ppm	8.68	C15H32	L	9.9
2243	Pentadecanoic acid	1002-84-2	242.45	ppm	9.91	C15-H30-O2	S	53
2244	Pentadecylamine	2570-26-5	227.49	mg/m^3	9.30	C15H33N	S	36.5
2245	Pentaerythritol	115-77-5	136.17	mg/m^3	5.57	C5H12O4	S	262
2246	Pentaerythritol tetra(3-mercaptopropionate), reaction products with 2-(hydroxymethyl)-2-((3-mercapto-1-oxopropoxy)methyl)-1,3-propanediyl bis(3-mercaptopropanoate) and 1-octene	95823-35-1	1001.3772	mg/m^3	40.93	C17.H28.O8.S4.C14.H24.O7.S3.C8.H16	S	
2247	Pentaerythritol tetranitrate	78-11-5	316.17	mg/m^3	12.92	C5H8N4O12	S	138-140
2248	Pentafluorobenzoic acid	602-94-8	212.08	mg/m^3	8.67	C7.H.F5.O2	S	107
2249	Pentafluoropropane, 1,1,1,3,3-	460-73-1	134.06	ppm	5.48	C3.H3.F5	G	
2250	Pentane, n-	109-66-0	72.17	ppm	2.95	C5H12	L	-129.8
2251	Pentanediol, 1,5-	111-29-5	104.17	mg/m^3	4.26	C5.H12.O2	L	-18
2252	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	100.13	ppm	4.09	C5.H8.O2	L	-23.2

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2232	PBX (mixture of HMX and nitrocellulose [CTN])	z-0038						12/08/02	06/09/09	06/09/09
2233	**Pentaborane**	**19624-22-7**	60	170	25	0.61 @ 0C	4200	04/15/07	06/09/09	04/20/07
2234	Pentachlorobenzene	608-93-5	277	0.0065	25	1.8342 @ 16ºC		12/30/95	02/16/12	01/19/12
2235	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6						03/01/00	06/24/10	12/31/11
2236	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4		2.63x10-9	25			09/30/97	12/10/09	12/31/11
2237	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4						09/30/97	12/10/09	12/31/11
2238	Pentachloroethane	76-01-7	162	7.5	37.4	1.6796 @ 20ºC		12/30/95	12/10/09	12/31/11
2239	Pentachloronitrobenzene	82-68-8	328 dec	5x10-5	20	1.718		12/30/95	12/10/09	12/31/11
2240	Pentachlorophenol	87-86-5	310 dec	1.10x10-4	25	1.978 @ 22ºC		12/30/95	05/10/10	12/31/11
2241	Pentadecafluorooctanoic acid	335-67-1	189	0.15	20	1.792 @ 20C		10/11/05	05/10/10	12/31/11
2242	Pentadecane	629-62-9	270.6	0.0034	35	0.7685 @ 20C	5000	12/08/02	04/03/08	12/31/11
2243	Pentadecanoic acid	1002-84-2	257 @ 100 MM					12/08/02		12/31/11
2244	Pentadecylamine	2570-26-5	307.6	0.0003	25			12/08/02	06/09/09	12/31/11
2245	Pentaerythritol	115-77-5				1.38		01/04/99	06/09/09	12/31/11
2246	Pentaerythritol tetra(3-mercaptopropionate), reaction products with 2-(hydroxymethyl)-2-((3-mercapto-1-oxopropoxy)methyl)-1,3-propanediyl bis(3-mercaptopropanoate) and 1-octene	95823-35-1						07/11/07	06/09/09	12/31/11
2247	Pentaerythritol tetranitrate	78-11-5	205-215 expl			1.773		08/07/98	12/08/11	12/08/11
2248	Pentafluorobenzoic acid	602-94-8	220					07/11/07		12/31/11
2249	Pentafluoropropane, 1,1,1,3,3-	460-73-1	15.3	935	20	1.32		10/11/05	06/09/09	12/31/11
2250	Pentane, n-	109-66-0	36.1	400	18.5	0.626	14000	08/07/98	06/09/09	12/31/11
2251	Pentanediol, 1,5-	111-29-5	239	<0.01	20	0.994 @ 20ºC		10/11/05	10/11/05	12/31/11
2252	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	139			0.9721	24000	04/14/04	05/10/10	03/16/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2253	Pentanenitrile	110-59-8	83.15	ppm	3.40	C5-H9-N	L	-96.2
2254	Pentanol, 2-; (sec-Amyl alcohol; Methyl propyl carbinol; Isoamyl alcohol, secondary)	6032-29-7	88.17	ppm	3.60	C5.H12.O	L	-50
2255	Pentanone, 2-; (Methyl propyl ketone)	107-87-9	86.15	ppm	3.52	C5H10O	L	
2256	Pentanone, 3-; (Diethyl ketone)	96-22-0	86.15	ppm	3.52	C5.H10.O	L	-42
2257	Pentatriacontane	630-07-9	492.9538	mg/m^3	20.15	C35.H72	S	
2258	Pentene, 1-	109-67-1	70.13	ppm	2.87	C5H10	L	-165.2
2259	Pentobarbital sodium; (Nembutal sodium)	57-33-0	249.3	mg/m^3	10.19	C11H18N2O3.Na	L	130
2260	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	88.17	ppm	3.60	C5.H12.0	L	-11.9
2261	Peptone; (Hydrolized protein, Tryptones)	73049-73-7		mg/m^3			S	
2262	**Peracetic acid**	**79-21-0**	76.06	mg/m^3	3.11	C2H4O3	L	0.1
2263	Perboric acid, sodium salt	7632-04-4	82.81	mg/m^3	3.38	BHNaO3	S crystals	60 dec
2264	Perchloric acid	7601-90-3	100.46	ppm	4.11	ClHO4	L	-112
2265	Perchloric acid, zinc salt, hexahydrate	10025-64-6	372.39	mg/m^3	15.22	Cl2.O8-Zn-6(H2.O)	S	105-107
2266	**Perchloroethylene; (Tetrachloroethylene)**	**127-18-4**	165.83	ppm	6.78	C2Cl4	L	-22.3
2267	**Perchloromethyl mercaptan**	**594-42-3**	185.89	ppm	7.60	CCl4S	L	
2268	**Perchloryl fluoride; (Chlorine oxyfluoride)**	**7616-94-6**	102.45	ppm	4.19	ClFO3	G	-146
2269	Percoll	65455-52-9		mg/m^3				
2270	Perfluoro compounds, C5-C18; (Fluorinert electronic liquid perfluoro compounds)	86508-42-1	332.42	ppm	13.59	C6.F14	L	
2271	Perfluoroalkylether polymer; (Capped homopolymers of hexafluoropropylene epoxide, Fluorine End-)	60164-51-4		mg/m^3		(C3.F6.O)n.C5.F12.O	S	
2272	**Perfluoroisobutylene; (Octafluoro-sec-butene)**	**382-21-8**	200.03	ppm	8.18	C4F8	G	-130
2273	Perfluoropolyether; (1,1,2,3,3,3-Hexafluoro-1-propene, oxidized, polymerized; Vacuum pump oil)	69991-67-9		mg/m^3		CF3-((O.C.F.C.F3.C.F2-)x.)-O.C.F2)x).O.CF3	L	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2253	Pentanenitrile	110-59-8	141.3			0.8008 @ 20ºC		12/08/02		12/31/11
2254	Pentanol, 2-; (sec-Amyl alcohol; Methyl propyl carbinol; Isoamyl alcohol, secondary)	6032-29-7	119.3	1	20	0.8169 @ 20C	12000	04/14/04	06/10/10	12/31/11
2255	Pentanone, 2-; (Methyl propyl ketone)	107-87-9	102			0.801-0.806	15000	01/04/99	06/09/09	12/31/11
2256	Pentanone, 3-; (Diethyl ketone)	96-22-0	101			0.8159 @ 19C	16000	10/11/05	06/09/09	12/31/11
2257	Pentatriacontane	630-07-9						06/13/02		12/31/11
2258	Pentene, 1-	109-67-1	29.9	635	25	0.6405 @ 20C	14000	06/13/02	08/17/07	12/31/11
2259	Pentobarbital sodium; (Nembutal sodium)	57-33-0						06/13/02		12/31/11
2260	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	101.8	16.8	25	0.809	12000	10/11/05	10/11/05	12/31/11
2261	Peptone; (Hydrolized protein, Tryptones)	73049-73-7						04/14/04	06/09/09	12/31/11
2262	**Peracetic acid**	**79-21-0**	105			1.15 @ 20C	56000	03/01/00	06/09/09	10/11/05
2263	Perboric acid, sodium salt	7632-04-4						10/11/05	01/16/12	01/16/12
2264	Perchloric acid	7601-90-3	~90			1.77		09/30/97	12/08/11	12/08/11
2265	Perchloric acid, zinc salt, hexahydrate	10025-64-6	200 dec			2.252		10/11/05		12/31/11
2266	**Perchloroethylene; (Tetrachloroethylene)**	**127-18-4**	121.3	7.5	10	1.623 @ 20ºC	110000	11/30/92	12/10/09	10/11/05
2267	**Perchloromethyl mercaptan**	**594-42-3**	149	3	20	1.6947 @ 20ºC		03/01/00	06/09/09	10/11/05
2268	**Perchloryl fluoride; (Chlorine oxyfluoride)**	**7616-94-6**	-46.8	8943.9	25	1.434 (L)		12/08/02	06/09/09	09/29/10
2269	Percoll	65455-52-9						10/11/05	06/09/09	12/31/11
2270	Perfluoro compounds, C5-C18; (Fluorinert electronic liquid perfluoro compounds)	86508-42-1	102	31	20	1.8		04/14/04	08/17/07	12/31/11
2271	Perfluoroalkylether polymer; (Capped homopolymers of hexafluoropropylene epoxide, Fluorine End-)	60164-51-4				1.32 - 2.2		07/11/07		12/31/11
2272	**Perfluoroisobutylene; (Octafluoro-sec-butene)**	**382-21-8**	7	2.56x10+3	25	1.5922 @ 0ºC		12/30/95	12/10/09	12/31/11
2273	Perfluoropolyether; (1,1,2,3,3,3-Hexafluoro-1-propene, oxidized, polymerized; Vacuum pump oil)	69991-67-9	>270 @ 5 mm	<1	20	1.9		04/14/04	04/13/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2274	Periodic acid	10450-60-9	227.9404	mg/m^3	9.32	H5.I.O6	L	
2275	Periodic acid, sodium salt	7790-28-5	213.89	mg/m^3	8.74	Na.I.O4	S	300
2276	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3		mg/m^3		[Unspecified]	S amor	
2277	Permafluor E+	z-0039		mg/m^3		Mixture	L	-50
2278	Permafluor-V (85+% toluene)	z-0040	85	ppm	3.47	Mixture	L	
2279	Peroxydicarbonic acid, disodium salt	3313-92-6	168.02	mg/m^3	6.87	C2H2Na2O6		
2280	Petrolatum	8009-03-8		mg/m^3			S	38-54
2281	Petroleum 50 thinner; (Paint thinner)	z-0041	130	ppm	5.31	[Unspecified]	L	
2282	Petroleum asphalt	8052-42-4b		mg/m^3		[Unspecified]	S or L	
2283	Petroleum coke, calcined	64743-05-1		mg/m^3		unspecified	S	
2284	Petroleum distillates, clay-treated light naphthenic	64742-45-6		mg/m^3		[Unspecified]	L	
2285	Petroleum distillates, low boiling	68477-31-6	99	mg/m^3	4.05	[Unspecified]	L	
2286	Petroleum distillates; (Petroleum crude oil)	8002-05-9	97.87	ppm	4.00	[Unspecified]		
2287	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9		mg/m^3		[Unspecified]		
2288	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0	97.26	ppm	3.98	[Unspecified]	L	
2289	Petroleum spirits; (VM & P Naphtha, Ligroine, Paint solvent)	8032-32-4	111.73	ppm	4.57	[Unspecified]	L	<-73
2290	Phenacetin; (p-Acetophenetidide)	62-44-2	179.22	mg/m^3	7.32	C10H13NO2	S	134
2291	Phenaglycodol; (Ultran; 2-p-Chlorophenyl-3-methyl-2,3-butanediol)	79-93-6	214.71	mg/m^3	8.78	C11H15ClO2	S	
2292	Phenanthrene	85-01-8	178.23	mg/m^3	7.28	C14H10	S	99.24
2293	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	692.5562	mg/m^3	28.31	C36H24FeN6O4S	S	
2294	Phenanthroline, 1,10-	66-71-7	180.22	mg/m^3	7.37	C12H8N2	S	93-94
2295	**Phenol**	**108-95-2**	94.11	ppm	3.85	C6H6O	S	40.89

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2274	Periodic acid	10450-60-9						04/14/04	06/09/09	12/31/11
2275	Periodic acid, sodium salt	7790-28-5	dec			3.865		10/11/05	10/11/05	12/31/11
2276	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3				0.13		07/09/97	05/10/10	12/31/11
2277	Permafluor E+	z-0039	150	5		0.9		01/10/01	06/09/09	04/20/07
2278	Permafluor-V (85+% toluene)	z-0040		22	20	0.86		06/13/02	06/09/09	06/09/09
2279	Peroxydicarbonic acid, disodium salt	3313-92-6						01/04/99		12/31/11
2280	Petrolatum	8009-03-8				0.820-0.865		07/11/07		12/31/11
2281	Petroleum 50 thinner; (Paint thinner)	z-0041						09/30/97	09/05/10	12/31/11
2282	Petroleum asphalt	8052-42-4b	>700ºF	0.018 lb/sq in	210	1.00 - 1.18		09/30/97	12/10/09	12/31/11
2283	Petroleum coke, calcined	64743-05-1						10/11/05	06/09/09	12/31/11
2284	Petroleum distillates, clay-treated light naphthenic	64742-45-6						04/14/04	05/11/10	12/31/11
2285	Petroleum distillates, low boiling	68477-31-6						07/11/07	06/09/09	12/31/11
2286	Petroleum distillates; (Petroleum crude oil)	8002-05-9				0.78 - 0.97		09/30/97	12/10/09	12/31/11
2287	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9	150-345					01/04/99	05/11/10	12/31/11
2288	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0					8000	01/04/99	06/09/09	12/31/11
2289	Petroleum spirits; (VM & P Naphtha, Ligroine, Paint solvent)	8032-32-4	40-80			0.635-0.660	9000	09/30/97	06/09/10	12/31/11
2290	Phenacetin; (p-Acetophenetidide)	62-44-2	242-245	6.29x10-7	25			12/30/95	12/10/09	12/31/11
2291	Phenaglycodol; (Ultran; 2-p-Chlorophenyl-3-methyl-2,3-butanediol)	79-93-6						12/30/95	12/10/09	12/31/11
2292	Phenanthrene	85-01-8	340	7.5x10-3	53	0.9800 @ 4˚C	7000	09/30/97	12/10/09	12/31/11
2293	Phenanthroline ferrous sulfate, 1,10-	14634-91-4						01/10/01	06/09/09	12/31/11
2294	Phenanthroline, 1,10-	66-71-7						04/15/07		12/31/11
2295	**Phenol**	**108-95-2**	181.87	0.75	34.1	1.0545 @ 45˚C	17000	11/30/92	12/11/09	

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2296	Phenol red, sodium salt	34487-61-1	376.36	mg/m^3	15.38	C19.H13.Na.O5.S	S	285
2297	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4		mg/m^3		(C6.H6.O. .C.H2.O)x	L	
2298	Phenolphthalein	77-09-8	318.34	mg/m^3	13.01	C20H14O4	S	258-262
2299	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	138.18	ppm	5.65	C8.H10.O2	L	14
2300	**Phenyl Chloroformate; (Carbonochloridic acid, phenyl ester)**	**1885-14-9**	156.57	ppm	6.40	C7.H5.Cl.O2	L	
2301	**Phenyl dichloroarsine; (Dichlorophenylarsine)**	**696-28-6**	222.93	mg/m^3	9.11	C6.H5.As.Cl2	L	-15.6
2302	Phenyl ether; (Diphenyl ether)	101-84-8	170.22	ppm	6.96	C12.H10.O	S	37-39
2303	**Phenyl isocyanate**	**103-71-9**	119.13	ppm	4.87	C7.H5.N.O	L	-30
2304	Phenyl sepharose cl-4b	69106-59-8		mg/m^3			S	
2305	Phenyl-1,2-propanedione, 1-	579-07-7	148.16	mg/m^3	6.06	C9H8O2	L	<20
2306	Phenyl-2-oxazoline, 2-	7127-19-7	147.17	ppm	6.02	C9.H9.N.O	L	12
2307	Phenyl-2-propanol, 2-; (Dimethylphenylmethanol)	617-94-7	136.21	ppm	5.57	C9H12O	S	35-37
2308	Phenylacetylene; (Ethynylbenzene)	536-74-3	102.14	mg/m^3	4.17	C8.H6	L	-45
2309	Phenylazo)aniline, p-(	60-09-3	197.26	mg/m^3	8.06	C12H11N3	S	126
2310	Phenylboric acid; (Benzeneboronic acid)	98-80-6	121.94	mg/m^3	4.98	C6H7BO2	S	216
2311	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	160.28	mg/m^3	6.55	C12.H16	L	7-8
2312	Phenylene diisocyanate, 1,4-	104-49-4	160.14	mg/m^3	6.55	C8H4N2O2	S	
2313	Phenylenediamine dihydrochloride, 1,2-	615-28-1	181.06	mg/m^3	7.40	C6H9Cl2N2		
2314	Phenylenediamine dihydrochloride, 1,4-	624-18-0	181.06	mg/m^3	7.40	C6H9Cl2N2	S	
2315	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	108.16	mg/m^3	4.42	C6H8N2	S/L	104
2316	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	108.16	mg/m^3	4.42	C6H8N2	S/L	65

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2296	Phenol red, sodium salt	34487-61-1						07/11/07		12/31/11
2297	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	>245	<20	20	1.22		10/11/05	10/11/05	12/31/11
2298	Phenolphthalein	77-09-8				1.299		01/10/01		12/31/11
2299	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	242	0.03	25	1.11 @ 20C		07/11/07	06/09/09	12/31/11
2300	**Phenyl Chloroformate; (Carbonochloridic acid, phenyl ester)**	**1885-14-9**	187-189	63.074	20	1.244		07/11/07	12/26/09	12/31/11
2301	**Phenyl dichloroarsine; (Dichlorophenylarsine)**	**696-28-6**	254.4	0.021	20	1.654 @ 20ºC		12/08/02	06/09/09	
2302	Phenyl ether; (Diphenyl ether)	101-84-8	259			1.0728 @ 20ºC	7000	04/14/04	06/09/09	12/31/11
2303	**Phenyl isocyanate**	**103-71-9**	158-168	1	10.6	1.0956 @ 19.6ºC		07/11/07	01/22/10	01/22/10
2304	Phenyl sepharose cl-4b	69106-59-8						07/11/07	06/09/09	12/31/11
2305	Phenyl-1,2-propanedione, 1-	579-07-7	222			1.007 @ 20C/4C		03/01/00		12/31/11
2306	Phenyl-2-oxazoline, 2-	7127-19-7	75			1.118		07/11/07	12/09/11	12/09/11
2307	Phenyl-2-propanol, 2-; (Dimethylphenylmethanol)	617-94-7	202	0.52	37	0.9735 @ 20C		12/08/02	08/17/07	12/31/11
2308	Phenylacetylene; (Ethynylbenzene)	536-74-3	142	17.6	37.7	0.94		07/11/07		12/31/11
2309	Phenylazo)aniline, p-(	60-09-3	360					01/10/01		12/31/11
2310	Phenylboric acid; (Benzeneboronic acid)	98-80-6						08/07/98		12/31/11
2311	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	240	1	67.5	0.938		10/11/05	10/11/05	12/31/11
2312	Phenylene diisocyanate, 1,4-	104-49-4						06/13/02		12/31/11
2313	Phenylenediamine dihydrochloride, 1,2-	615-28-1	250 dec					06/13/02		12/31/11
2314	Phenylenediamine dihydrochloride, 1,4-	624-18-0						06/13/02		12/31/11
2315	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	257				15000	06/13/02	06/09/09	12/31/11
2316	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	287	1	99.8	1.139		06/13/02	06/09/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2317	Phenylenediamine, p-	106-50-3	108.14	mg/m^3	4.42	C6H8N2	S	141.1
2318	Phenylhydrazine	100-63-0	108.16	ppm	4.42	C6H8N2	L	19.6
2319	Phenylhydrazine hydrochloride	59-88-1	144.62	mg/m^3	5.91	C6H8N2.ClH	S/L	250-254
2320	Phenylmagnesium bromide	100-58-3	181.31	mg/m^3	7.41	C6.H5.Mg.Br	S	
2321	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	336.74	mg/m^3	13.76	C8H8HgO2	S	153
2322	Phenylphenol, 2-	90-43-7	170.21	mg/m^3	6.96	C12H10O	S	57.5
2323	Phenylphosphine	638-21-1	110.1	ppm	4.50	C6-H7-P	L	
2324	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	187.69	mg/m^3	7.67	C9.H13.N.O.Cl.H	S	194
2325	Phenylsilatrane	2097-19-0	251.39	mg/m^3	10.27	C12H17NO3Si	S	208-209
2326	Phenylthiourea; (1-Phenyl-2-thiourea)	103-85-5	152.22	mg/m^3	6.22	C7H8N2S	S	154
2327	Phenyltriethoxysilane	780-69-8	240.41	mg/m^3	9.83	C12.H20.O3.Si	L	
2328	Phenyltrimethoxysilane	2996-92-1	198.32	mg/m^3	8.11	C9.H24.O3.Si	L	
2329	Phenylxylylethane; (PXE)	6196-95-8	210.32	mg/m^3	8.60	C16H18	L	
2330	Phloroglucinol dihydrate	6099-90-7	162.16	mg/m^3	6.63	C6.H6.O3.2(H2.O)	S	217
2331	**Phorate**	**298-02-2**	260.39	mg/m^3	10.64	C7H17O2PS3	L	-42.9
2332	Phosacetim	4104-14-7	375.22	mg/m^3	15.34	C14H13Cl2N2O2PS	S	104-106
2333	Phosfolan	947-02-4	255.31	mg/m^3	10.43	C7H14NO3PS2	S	39.5
2334	**Phosgene**	**75-44-5**	98.92	ppm	4.04	CCl2O	G	-127.78
2335	**Phosgene oxime**	**1794-86-1**	113.9	mg/m^3	4.66	CHCl2NOH	S	
2336	Phosmet	732-11-6	317.33	mg/m^3	12.97	C11H12NO4PS2	S	71.9
2337	Phosphamidon; (Famfos)	13171-21-6	299.72	mg/m^3	12.25	C10H19ClNO5P	L	-45
2338	**Phosphine**	**7803-51-2**	34	ppm	1.39	H3P	G	-133.8

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2317	Phenylenediamine, p-	106-50-3	267	<1	21	>1 no temp	5650	09/30/97	12/11/09	12/31/11
2318	Phenylhydrazine	100-63-0	243.5	0.026	25	1.0978 @ 20C		06/13/02	01/19/12	02/16/12
2319	Phenylhydrazine hydrochloride	59-88-1	decom					06/13/02	06/10/09	12/31/11
2320	Phenylmagnesium bromide	100-58-3						04/15/07		12/31/11
2321	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4		6.0x10-6	20			09/30/97	05/11/10	12/31/11
2322	Phenylphenol, 2-	90-43-7	286	2.0x10-3	25	1.213		09/30/97	12/11/09	12/31/11
2323	Phenylphosphine	638-21-1	160-161			1.001 @ 16C		12/08/02	05/11/10	12/31/11
2324	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6						04/15/07	01/22/12	01/22/12
2325	Phenylsilatrane	2097-19-0	350	0.00001	25			12/08/02	06/10/09	12/31/11
2326	Phenylthiourea; (1-Phenyl-2-thiourea)	103-85-5				1.3		12/30/95	12/11/09	12/31/11
2327	Phenyltriethoxysilane	780-69-8	232-233			1.00 @ 20C		10/11/05	10/11/05	12/31/11
2328	Phenyltrimethoxysilane	2996-92-1	110 @ 20 mm			1.062		04/15/07		12/31/11
2329	Phenylxylylethane; (PXE)	6196-95-8				0.983		08/07/98	06/10/09	12/31/11
2330	Phloroglucinol dihydrate	6099-90-7						04/15/07		12/31/11
2331	**Phorate**	**298-02-2**	290	0.00084	25	1.156		12/08/02	05/11/10	01/22/10
2332	Phosacetim	4104-14-7	400	0.0001	25			12/08/02	06/10/09	12/31/11
2333	Phosfolan	947-02-4	410	0.0001	25			12/08/02	06/10/09	12/31/11
2334	**Phosgene**	**75-44-5**	8	750	7.2	1.3719		11/30/92	05/11/10	10/11/05
2335	**Phosgene oxime**	**1794-86-1**	53-54ºC	11.2	25			09/29/10		
2336	Phosmet	732-11-6	dec	0.00054	25	1.03 @ 20 C		04/15/07	06/10/09	12/31/11
2337	Phosphamidon; (Famfos)	13171-21-6	350	0.000025	25	1.21		07/16/07	06/10/09	12/31/11
2338	**Phosphine**	**7803-51-2**	-87.75	750	-88	1.39	17900	11/30/92	12/11/09	04/20/07

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2339	Phosphomolybdic acid	11104-88-4	159.92046	mg/m^3	6.54	H-O.Mo.O.P	S	
2340	Phosphonic acid	13598-36-2	82	mg/m^3	3.35	H3.O3.P	S hygr	73.8
2341	Phosphonic acid, dioctadecyl ester	19047-85-9	585.95538	mg/m^3	23.95	C36-H75-O3P	S	
2342	Phosphonic acid, methyl-, mono(1-methylethyl) ester; (Isopropyl methylphosphonic acid)	1832-54-8	138.10286	mg/m3	5.64	C4.H11.O3.P	L	
2343	Phosphonic acid, tridodecyl ester	3076-63-9	587.08	mg/m^3	23.99	C36-H75-O3-P	S	
2344	Phosphonoacetic acid	4408-78-0	140.04	mg/m3	5.72	C2.H5.O5.P	L	
2345	**Phosphoric acid**	**7664-38-2**	98	mg/m^3	4.01	H3O4P	L	42.4
2346	Phosphoric acid, dimethyl-p-(methylthio)phenyl ester	3254-63-5	248.25	mg/m^3	10.15	C9H13O4PS	L	
2347	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	81.99566	mg/m^3	3.35	H3.O3.P	S	
2348	Phosphorous pentafluoride	7647-19-0	125.97	ppm	5.15	F5P	G	-83
2349	Phosphorous trifluoride	7783-55-3	87.97	ppm	3.60	F3P	G	-152
2350	Phosphorus (red)	7723-14-0	30.97	mg/m^3	1.27	P	S	44.15
2351	Phosphorus (yellow); (White phosphorus)	12185-10-3	123.88	mg/m^3	5.06	P4	Y	44.1
2352	**Phosphorus oxychloride**	**10025-87-3**	153.32	ppm	6.27	Cl3OP	L	1.2
2353	Phosphorus pentachloride	10026-13-8	208.22	mg/m^3	8.51	Cl5P	S	148 dec under press
2354	Phosphorus pentasulfide	1314-80-3	222.24	mg/m^3	9.08	P2S5	Sdel	286-290
2355	**Phosphorus pentoxide**	**1314-56-3**	141.95	mg/m^3	5.80	O5P2	S	562
2356	**Phosphorus trichloride**	**7719-12-2**	137.32	ppm	5.61	Cl3P	L	-111.8
2357	Phosphorus trioxide	1314-24-5	110	mg/m^3	4.50	P2.O3	S	23.8
2358	Phthalic acid	88-99-3	166.14	mg/m^3	6.79	C8H6O4	S	210 dec
2359	Phthalic acid, benzyl butyl ester; (Benzyl butyl phthalate)	85-68-7	312.39	mg/m^3	12.77	C19H20O4	L	-35
2360	Phthalic anhydride	85-44-9	148.12	mg/m^3	6.05	C8H4O3	S	130.8

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2339	Phosphomolybdic acid	11104-88-4				3.2		04/15/07	06/10/09	12/31/11
2340	Phosphonic acid	13598-36-2						12/30/95	12/08/11	12/08/11
2341	Phosphonic acid, dioctadecyl ester	19047-85-9						12/08/02	06/10/09	
2342	Phosphonic acid, methyl-, mono(1-methylethyl) ester; (Isopropyl methylphosphonic acid)	1832-54-8						08/05/10	08/09/10	12/31/11
2343	Phosphonic acid, tridodecyl ester	3076-63-9						12/08/02		12/31/11
2344	Phosphonoacetic acid	4408-78-0						08/03/10		12/31/11
2345	**Phosphoric acid**	**7664-38-2**	407	0.0285	20	1.834 @ 18˚C		11/30/92	12/11/09	10/31/11
2346	Phosphoric acid, dimethyl-p-(methylthio)phenyl ester	3254-63-5	300	0.001	25	1.273 @ 21C		12/08/02	06/10/09	12/31/11
2347	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1						07/11/07	12/09/11	12/09/11
2348	Phosphorous pentafluoride	7647-19-0	-75					12/08/02	06/10/09	12/31/11
2349	Phosphorous trifluoride	7783-55-3	-102					12/08/02	06/10/09	12/31/11
2350	Phosphorus (red)	7723-14-0	280.5	7.5x10-2	34	1.823		07/09/97	05/12/10	12/31/11
2351	Phosphorus (yellow); (White phosphorus)	12185-10-3	280	0.03		1.82		09/30/97	05/12/10	12/31/11
2352	**Phosphorus oxychloride**	**10025-87-3**	105.1	40	27.3	1.685 @ 15.5C		03/01/00	06/10/09	12/31/11
2353	Phosphorus pentachloride	10026-13-8	160 subl	1	55.5	3.6		08/07/98	06/10/09	12/31/11
2354	Phosphorus pentasulfide	1314-80-3	514			2.09		03/01/00	06/10/09	12/31/11
2355	**Phosphorus pentoxide**	**1314-56-3**	605	7.5x10-3	285	2.3		11/30/92	05/12/10	
2356	**Phosphorus trichloride**	**7719-12-2**	76	100	21	1.574		01/04/99	06/10/09	10/11/05
2357	Phosphorus trioxide	1314-24-5	173.1			2.135 @ 21C		12/08/02	06/10/09	12/31/11
2358	Phthalic acid	88-99-3	155			1.59		01/04/99	12/08/11	12/08/11
2359	Phthalic acid, benzyl butyl ester; (Benzyl butyl phthalate)	85-68-7	370			1.116	12000	01/04/99	05/12/10	12/31/11
2360	Phthalic anhydride	85-44-9	295	7.5x10-3	48.2	1.527 @ 4˚C	17000	12/30/95	12/23/11	12/23/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2361	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	203.02	ppm	8.30	C8.H4.Cl2.O2	L	15.5
2362	Phyllomedusin	26145-48-2	1171.3792	mg/m^3	47.88	C52.H82.N16.O13.S		
2363	Physostigmine	57-47-6	275.39	mg/m^3	11.26	C15H21N3	S	86-87
2364	Physostigmine salicylate (1:1)	57-64-7	413.52	mg/m^3	16.90	C15H21N3O2.C7H6O3	S	184-186
2365	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	123.12	mg/m^3	5.03	C6.H5.N.O2	S	136.5
2366	Picric acid	88-89-1	229.1	mg/m^3	9.36	C6H3N3O7	S	122.5
2367	Picrotoxin	124-87-8	602.64	mg/m^3	24.63	C15H18O7.C15H16O6	S	203-204
2368	Pigment green 36	14302-13-7	1393.9	mg/m^3	56.97	Br6C32Cl10CuN8	S	
2369	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	685.66	mg/m^3	28.02	C36H34Cl2N6O4	S	
2370	Pigment yellow 14	5468-75-7	657.6	mg/m^3	26.88	C34H30Cl2N6O4	S	
2371	Pigment yellow 36; (Zinc chromate)	13530-65-9	181.37	mg/m^3	7.41	CrO4Zn	S	316
2372	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	100.18	ppm	4.09	C.H3.CO.C(C.H3)3	L	-52.5
2373	Pinacolyl alcohol; (tert-Butyl methyl carbinol)	464-07-3	102.2	ppm	4.18	C6.H14.O	L	5.6
2374	Piperazine	110-85-0	86.16	mg/m^3	3.52	C4H10N2	S	106
2375	**Piperidine**	**110-89-4**	85.17	ppm	3.48	C5H11N	L	-9
2376	Piperonyl butoxide	51-03-6	338.44	mg/m^3	13.83	C19.H30.O5	L	
2377	Pirimifos-ethyl	23505-41-1	333.43	mg/m^3	13.63	C13H24N3O3PS	L	15-18
2378	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	186.2504	mg/m^3	7.61	C10.H18.O3	L	
2379	Platinum	7440-06-4	195.09	mg/m^3	7.97	Pt	S	1772
2380	Platinum cyanide	592-06-3	247.1	mg/m^3	10.10	Pt.C2.N2	S	
2381	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO; Hydrogenated trimer and tetramer of decene)	68649-12-7		mg/m^3		[Unspecified]	L	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2361	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	281.1	30	47	1.409		07/11/07		12/31/11
2362	Phyllomedusin	26145-48-2						01/15/09	01/28/09	12/31/11
2363	Physostigmine	57-47-6		0.00001	25			12/08/02	06/10/09	12/31/11
2364	Physostigmine salicylate (1:1)	57-64-7	dec	0.00001	25			12/08/02	06/10/09	12/31/11
2365	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	subl					10/11/05	10/11/05	12/31/11
2366	Picric acid	88-89-1	>300 expl	7.5x10-7	25	1.763 no temp		09/30/97	06/10/09	12/31/11
2367	Picrotoxin	124-87-8		0.00001	25			12/08/02	06/10/09	12/31/11
2368	Pigment green 36	14302-13-7						03/01/00		12/31/11
2369	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						03/01/00		12/31/11
2370	Pigment yellow 14	5468-75-7						03/01/00		12/31/11
2371	Pigment yellow 36; (Zinc chromate)	13530-65-9						01/04/99	01/25/12	01/25/12
2372	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	106.1	31.5	25	0.7229	12940	04/14/04	05/12/10	12/31/11
2373	Pinacolyl alcohol; (tert-Butyl methyl carbinol)	464-07-3	120.4			0.8122	12220	04/14/04	04/13/09	12/31/11
2374	Piperazine	110-85-0	146			1.1	16000	01/04/99		12/31/11
2375	**Piperidine**	**110-89-4**	106	40	29.2	0.8622	15000	03/01/00	06/10/09	
2376	Piperonyl butoxide	51-03-6	180 @ 1 mm			1.06 @ 20C		02/19/08	01/15/09	12/31/11
2377	Pirimifos-ethyl	23505-41-1	130 dec	0.00029	25	1.14 @ 20C		12/08/02	06/10/09	12/31/11
2378	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	193			0.918		10/11/05	06/10/09	12/31/11
2379	Platinum	7440-06-4	3827			21.45		08/07/98	06/10/09	12/31/11
2380	Platinum cyanide	592-06-3						07/02/08	06/10/09	12/31/11
2381	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO; Hydrogenated trimer and tetramer of decene)	68649-12-7	401	< 1	20	0.819		01/10/01	06/10/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2382	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8		mg/m^3		(Mixture)	L	17
2383	Poly(1-vinyl-2-pyrrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8		mg/m^3		(C6.H9.O.N.)n	S pwdr	165
2384	Poly(acrylamide-co-diallyldimethylammonium chloride)	26590-05-6		mg/m^3		C11.H21.Cl.N2.O	S	
2385	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	1300	mg/m^3	53.13	C7.H20.O5.Si	S	
2386	Poly(dimethylsiloxane), hydride terminated	70900-21-9		mg/m^3			S	
2387	Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated	68083-19-2		mg/m^3			L	
2388	Poly(divinylbenzene); (Diethenylbenzene homopolymer)	9003-69-4		mg/m^3		(C10.H10)x	S	
2389	Poly(ethylene glycol methyl ether)	9004-74-4	350	mg/m^3	14.30	(C2.H4.O)n.C.H4.O	S	
2390	Poly(ethylene glycol)diacrylate	26570-48-9		mg/m^3		(C2.H4.O)n.C6.H6.O3	S	
2391	Poly(melamine-co-formaldehyde), methylated	68002-20-0	511	mg/m^3	20.89	(C4.H8.N6.O)n	S	
2392	Poly(oxy-1,2-ethanediyl), alpha-(4-octylphenyl)-omega-hydroxy-; (Polyethylene glycol mono(p-octylphenol)ether)	26636-32-8		mg/m^3		(C2.H4.O)n.C14.h22.o	S	
2393	Poly(oxyethylene)(2) stearyl ether	9005-00-9		mg/m^3		(C2.H4.O)n.C18.H38.O	S	40-45
2394	Poly(styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	312.4	mg/m^3	12.77	C24.H24	S	
2395	Poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-(2-aminomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1); (Polyoxypropylene polyamine)	39423-51-3		mg/m^3		(C3.H6.O)n.(C3.H6.O)n.(C3.H6.O)n.C15.H35.N3.O3	S	
2396	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4		mg/m^3		(C6H11NO)n	S	223
2397	Polybutyl acrylate	9003-49-0		mg/m^3		(C7.H12.O2)n	S	
2398	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2		mg/m^3		[Unspecified]	L	
2399	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042		mg/m^3		[Unspecified]	L	
2400	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	192	mg/m^3	7.85	21% Cl	L	1
2401	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5		mg/m^3		32% Cl	L	
2402	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	261	mg/m^3	10.67	[Unspecified]	L	-18.89

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2382	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8	118			0.9		01/10/01	06/10/09	12/31/11
2383	Poly(1-vinyl-2-pyrrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8				1.23 - 1.29		04/14/04		12/31/11
2384	Poly(acrylamide-co-diallyldimethylammonium chloride)	26590-05-6				1.02		04/15/07	06/10/09	12/31/11
2385	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	150			1.04		04/15/07		12/31/11
2386	Poly(dimethylsiloxane), hydride terminated	70900-21-9						07/11/07	06/10/09	12/31/11
2387	Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated	68083-19-2						07/11/07		12/31/11
2388	Poly(divinylbenzene); (Diethenylbenzene homopolymer)	9003-69-4						10/11/05	10/11/05	12/31/11
2389	Poly(ethylene glycol methyl ether)	9004-74-4						07/11/07		12/31/11
2390	Poly(ethylene glycol)diacrylate	26570-48-9				1.11		07/11/07		12/31/11
2391	Poly(melamine-co-formaldehyde), methylated	68002-20-0				1.2		04/15/07		12/31/11
2392	Poly(oxy-1,2-ethanediyl), alpha-(4-octylphenyl)-omega-hydroxy-; (Polyethylene glycol mono(p-octylphenol)ether)	26636-32-8						07/11/07		12/31/11
2393	Poly(oxyethylene)(2) stearyl ether	9005-00-9						04/15/07		12/31/11
2394	Poly(styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9						07/11/07	06/10/09	12/31/11
2395	Poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-(2-aminomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1); (Polyoxypropylene polyamine)	39423-51-3						08/17/07	06/10/09	12/31/11
2396	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4				1.14 @ 20˚C		09/30/97	12/14/09	12/31/11
2397	Polybutyl acrylate	9003-49-0						04/14/04	06/10/09	12/31/11
2398	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	340-375			1.44 @ 30C		12/08/02	01/07/10	12/31/11
2399	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	340-375			1.44 @ 30C		12/08/02	01/07/10	12/31/11
2400	Polychlorinated biphenyl (Aroclor 1221); (Chlorodiphenyl (21% Cl))	11104-28-2	340-375	0.0067	25	1.187 @ 15.5C		06/13/02	01/07/10	12/31/11
2401	Polychlorinated biphenyl (Aroclor 1232); (Chlorodiphenyl (32% Cl))	11141-16-5	340-375			1.44 @ 30C		04/15/07	01/07/10	12/31/11
2402	Polychlorinated biphenyl (Aroclor 1242); (Chlorodiphenyl (42% Cl))	53469-21-9	325-366	1.3x10-3	25	1.381-1.392 @ 25˚C		12/30/95	01/19/12	01/19/12

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2403	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6		mg/m^3		[Unspecified]	L	
2404	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	327	mg/m^3	13.36	[Unspecified]	L	
2405	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5		mg/m^3		[Unspecified]	S	
2406	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl))	z-0043		mg/m^3		[Unspecified]	S	
2407	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5		mg/m^3		[Unspecified]	S	
2408	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4		mg/m^3		[Unspecified]	S	
2409	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	291.98 - 360.86	mg/m^3		[Unspecified]	L or S	340-375
2410	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6		mg/m^3		(C2.H6.O.Si)x	L	
2411	Polyether polyol ester	z-0112	3000	mg/m^3	122.61		L	
2412	**Polyethylbenzene residue; (Dowtherm Q)**	**68987-42-8**	190	ppm	7.77	C14.H14	L	-40
2413	Polyethylene	9002-88-4	1500 - 100000	mg/m^3		(C2H4)n	S	240
2414	Polyethylene glycol	25322-68-3		mg/m^3		(C2H6O2)n	L or S	4-8
2415	Polyethylene glycol 20M	37225-26-6		mg/m^3		(C2H6O2)n	L	
2416	Polyethylene glycol dimethacrylate	25852-47-5		mg/m^3		(C2.H4.O)n.C8.H10.O3	S	
2417	Polyglycol 15-200; (Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1); Calthane NF and ND "B")	9082-00-2		mg/m^3		C3.H8.O3.3(-C3.H6.O.C2.H4.O)x	L	< -25
2418	Polyisocyanate prepolymer (based on MDI)	z-0115		mg/m^3			S	
2419	Polymaleic acid; (2-Butenedioic acid (2Z)-, homopolymer)	26099-09-2		mg/m^3		(C4.H4.O4)x	S	
2420	Polymerized linseed oil	67746-08-1		mg/m^3			L	
2421	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9		mg/m^3			L	
2422	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2	254.5898	mg/m^3	10.41	C9.H30.O2.Si3		
2423	Polymethylmethacrylate; (Lucite)	9011-14-7		mg/m^3		(C5.H8.O2)n	S	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2403	Polychlorinated biphenyl (Aroclor 1248); (Chlorodiphenyl (48% Cl))	12672-29-6	340-375			1.4-1.5		08/07/98	01/23/12	01/23/12
2404	Polychlorinated biphenyl (Aroclor 1254); (Chlorodiphenyl (54% Cl))	11097-69-1	365-390	7.71x10-5	25	1.495-1.505 @ 65˚C		12/30/95	01/07/10	12/31/11
2405	Polychlorinated biphenyl (Aroclor 1260); (Chlorodiphenyl (60% Cl))	11096-82-5	340-375					01/04/99	01/07/10	12/31/11
2406	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl))	z-0043	340-375			1.44 @ 30C		12/08/02	01/07/10	12/31/11
2407	Polychlorinated biphenyl (Aroclor 1262); (Chlorodiphenyl (62% Cl))	37324-23-5	340-375			1.44 @ 30C		12/08/02	01/17/12	01/17/12
2408	Polychlorinated biphenyl (Aroclor 1268); (Chlorodiphenyl (68% Cl))	11100-14-4	340-375					01/04/99	01/07/10	12/31/11
2409	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	340-375	varies		1.44 @ 30˚C		07/09/97	01/10/12	01/10/12
2410	Polydimethyl siloxane; (Dimethylpolysiloxane)	9016-00-6	>149			0.834		04/14/04		12/31/11
2411	Polyether polyol ester	z-0112						07/11/07		12/31/11
2412	**Polyethylbenzene residue; (Dowtherm Q)**	**68987-42-8**	267	0.0149	25	0.97 @ 20C		07/11/07	06/10/09	12/31/11
2413	Polyethylene	9002-88-4		negligible	25	0.915 - 0.95 no temp		09/30/97	01/23/12	01/23/12
2414	Polyethylene glycol	25322-68-3				1.110-1.140		01/04/99	12/23/11	12/31/11
2415	Polyethylene glycol 20M	37225-26-6						04/14/04	06/10/09	12/31/11
2416	Polyethylene glycol dimethacrylate	25852-47-5						07/11/07	06/10/09	12/31/11
2417	Polyglycol 15-200; (Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1); Calthane NF and ND "B")	9082-00-2	dec			1.013		04/14/04	04/13/09	12/31/11
2418	Polyisocyanate prepolymer (based on MDI)	z-0115						09/05/08		12/31/11
2419	Polymaleic acid; (2-Butenedioic acid (2Z)-, homopolymer)	26099-09-2						07/11/07		12/31/11
2420	Polymerized linseed oil	67746-08-1						07/11/07		12/31/11
2421	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	210 @ 5 mmHg	< 0.00001	25	1.24@ 20C		07/11/07	05/12/10	12/31/11
2422	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2						07/11/07	06/10/09	12/31/11
2423	Polymethylmethacrylate; (Lucite)	9011-14-7						04/14/04		12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2424	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0		mg/m^3		(C3H6O)n C6H16N2O		
2425	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	1227.72	mg/m^3	50.18	C58.H114.O26	S	-10
2426	Polyoxyethylene monooctylphenyl ether	9036-19-5		mg/m^3		(C2H4O)n.C14H22O		
2427	Polyoxyethylene sorbitan monopalmitate; (Tween 40)	9005-66-7	1283.84	mg/m^3	52.47	C62.H122.O26	L	
2428	Polyphosphoric acid	8017-16-1		mg/m^3		Hx+2-Px-O3x+1. x>1	L	21
2429	Polypropylene	9003-07-0		mg/m^3		(C3.H6)n	S	165
2430	Polypropylene glycol, (chloromethyl) oxirane polymer	9072-62-2		mg/m^3		((C3.H6.O)nH2.O.C3.H5.Cl.O)x	S	
2431	Polypropylene glycol, polytetramethylene glycol, 1,3-diisocyanatomethylbenzene polymer	65636-36-4		mg/m^3		(C9.H6.N2.O.(C4.H8.O)n.H2.O.(C3.H6.O)n.H2.O)x	S	
2432	Polypropylene glycols	25322-69-4		mg/m^3		(C3H6O)n. H2O	S	
2433	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6		mg/m^3		(C5H10O2)x		
2434	Polysorbate 85; (Tween 85)	9005-70-3		mg/m^3			L	-28.9
2435	Polystyrene resin; (Styrene polymer)	9003-53-6		mg/m^3		(C8H8)n	S	
2436	Polysulfone resin	25135-51-7		mg/m^3			S	
2437	Polytetrafluoroethylene; (Teflon)	9002-84-0		mg/m^3		(C2.F4)n	S	342
2438	Polyurethane foam; (Urethane polymers)	9009-54-5		mg/m^3		[Unspecified]	S	
2439	Polyurethane prepolymer of MDI and PEP	68092-58-0		mg/m^3		(C15.H10.N2.O2.C9.H20.O4.C6H14.O3)n	L	
2440	Polyvinyl alcohol	9002-89-5		mg/m^3		(C2.H4.O)x	S	>200
2441	Polyvinyl chloride	9002-86-2	60000 - 150000	mg/m^3		(C2H3Cl)x	S	
2442	Potassium	7440-09-7	39.1	mg/m^3	1.60	K	S	63.5
2443	Potassium acetate	127-08-2	98.15	mg/m^3	4.01	C2H3KO2	S	292
2444	Potassium acid fluoride	7789-29-9	78.11	mg/m^3	3.19	F2.H.K	S deliq	238.8 dec
2445	Potassium aluminate	12003-63-3	98.07	mg/m^3	4.01	K-Al-O2	S	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2424	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0						07/09/97	12/14/09	12/31/11
2425	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	>100			1.084 @ 45C		04/14/04	07/19/08	12/31/11
2426	Polyoxyethylene monooctylphenyl ether	9036-19-5						01/04/99		12/31/11
2427	Polyoxyethylene sorbitan monopalmitate; (Tween 40)	9005-66-7						07/11/07		12/31/11
2428	Polyphosphoric acid	8017-16-1	300 - 500			2.06		04/14/04		12/31/11
2429	Polypropylene	9003-07-0				0.90 - 0.92		04/15/07		12/31/11
2430	Polypropylene glycol, (chloromethyl) oxirane polymer	9072-62-2				1.02		07/11/07	04/13/09	12/31/11
2431	Polypropylene glycol, polytetramethylene glycol, 1,3-diisocyanatomethylbenzene polymer	65636-36-4						08/17/07	06/10/09	12/31/11
2432	Polypropylene glycols	25322-69-4						01/04/99	06/10/09	12/31/11
2433	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6						01/04/99		12/31/11
2434	Polysorbate 85; (Tween 85)	9005-70-3	200			1.028		07/11/07		12/31/11
2435	Polystyrene resin; (Styrene polymer)	9003-53-6						09/30/97	12/14/09	12/31/11
2436	Polysulfone resin	25135-51-7						10/11/05	10/11/05	12/31/11
2437	Polytetrafluoroethylene; (Teflon)	9002-84-0				2.1-2.3		10/11/05	10/11/05	12/31/11
2438	Polyurethane foam; (Urethane polymers)	9009-54-5						09/30/97	12/18/09	12/31/11
2439	Polyurethane prepolymer of MDI and PEP	68092-58-0						07/11/07	06/10/09	12/31/11
2440	Polyvinyl alcohol	9002-89-5	~340			1.329		04/14/04		12/31/11
2441	Polyvinyl chloride	9002-86-2				1.406		07/09/97	12/23/11	12/31/11
2442	Potassium	7440-09-7	759	7.5x10-3	200.2	0.89		09/30/97	12/23/11	12/31/11
2443	Potassium acetate	127-08-2				1.8		01/04/99	07/19/08	12/31/11
2444	Potassium acid fluoride	7789-29-9						10/11/05	06/10/09	12/31/11
2445	Potassium aluminate	12003-63-3						12/08/02	05/12/10	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2446	Potassium aluminite	z-0044	134.1	mg/m^3	5.48	K-Al(OH)4	S	
2447	Potassium aluminosilicate	1327-44-2	158.162939	mg/m^3	6.46	KAlSiO4	S	
2448	Potassium antimonate; (Antimony potassium oxide)	29638-69-5	511.89	mg/m^3	20.92	Sb2-K4-O7	S	
2449	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	262.89	mg/m^3	10.74	K-Sb-(OH)6		
2450	Potassium antimonite	z-0045	228.88	mg/m^3	9.35	K.Sb.(O.H)4		
2451	Potassium argentate	z-0046	180.97	mg/m^3	7.40	K-Ag(OH)2	S	
2452	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	180.04	mg/m^3	7.36	As.H2O4.K	S	288
2453	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	146.02	mg/m^3	5.97	K.As.O2	S	
2454	Potassium beryllium oxide	z-0047	144.2	mg/m^3	5.89	{Be2-K2-O3]	S	
2455	Potassium bicarbonate	298-14-6	100.106	mg/m^3	4.09	KHCO3	S	~100 dec
2456	Potassium bi-iodate	13455-24-8	389.9033	mg/m^3	15.94	H.I2.K.O6	S	
2457	Potassium bismuthate	12589-75-2	316.1	mg/m^3	12.92	KBi(OH)4	S	
2458	Potassium bisulfate	7646-93-7	136.17	mg/m^3	5.57	HKO4S	S	214
2459	Potassium bromate	7758-01-2	167.01	mg/m^3	6.83	BrKO3	S	350
2460	Potassium bromide	7758-02-3	119.01	mg/m^3	4.86	BrK	S	730
2461	Potassium cadminate	z-0048	258.62	mg/m^3	10.57	2K.Cd-(OH)4	S	
2462	Potassium carbonate	584-08-7	138.21	mg/m^3	5.65	CK2O3	S	899
2463	Potassium chlorate	3811-04-9	122.55	mg/m^3	5.01	ClKO3	S	356
2464	Potassium chloride	7447-40-7	74.55	mg/m^3	3.05	ClK	S	771
2465	Potassium chromate(VI)	7789-00-6	194.19	mg/m^3	7.94	CrK2O4	S	974
2466	Potassium citrate	866-84-2	306.41	mg/m^3	12.52	C6H5K3O7	S	230 dec
2467	Potassium citrate, monohydrate	6100-05-6	324.3865	mg/m^3	13.26	C6.H7.K3.O8	S	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2446	Potassium aluminite	z-0044						12/08/02	06/10/09	
2447	Potassium aluminosilicate	1327-44-2						12/08/02	06/10/09	
2448	Potassium antimonate; (Antimony potassium oxide)	29638-69-5						12/08/02	06/10/09	12/31/11
2449	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8						12/08/02	06/10/09	12/31/11
2450	Potassium antimonite	z-0045						01/02/08	06/10/09	12/31/11
2451	Potassium argentate	z-0046						12/08/02	05/12/10	12/31/11
2452	Potassium arsenate; (Monopotassium arsenate)	7784-41-0				2.287		06/13/02	07/09/10	12/31/11
2453	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2						12/08/02	05/12/10	12/31/11
2454	Potassium beryllium oxide	z-0047						01/10/01	01/17/12	01/17/12
2455	Potassium bicarbonate	298-14-6				2.17		12/08/02	06/10/09	
2456	Potassium bi-iodate	13455-24-8						10/11/05	05/13/10	12/31/11
2457	Potassium bismuthate	12589-75-2						12/08/02	06/10/09	04/20/07
2458	Potassium bisulfate	7646-93-7				2.24		08/07/98		12/31/11
2459	Potassium bromate	7758-01-2				3.27		08/07/98	06/10/09	12/31/11
2460	Potassium bromide	7758-02-3	1435	1	795	2.75		08/07/98		12/31/11
2461	Potassium cadminate	z-0048						12/08/02	05/13/10	12/31/11
2462	Potassium carbonate	584-08-7	dec			2.29		07/09/97	12/14/09	12/31/11
2463	Potassium chlorate	3811-04-9	400 dec			2.32		08/07/98		12/31/11
2464	Potassium chloride	7447-40-7	1500 subl			1.987		08/07/98		12/31/11
2465	Potassium chromate(VI)	7789-00-6		0	no temp	2.73		07/09/97	02/13/12	02/16/12
2466	Potassium citrate	866-84-2				1.98		08/21/96	12/14/09	12/31/11
2467	Potassium citrate, monohydrate	6100-05-6						10/11/05	6/10/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2468	Potassium columbate; (Potassium niobate)	12030-85-2	1174.26	mg/m^3	47.99	K8Nb6O19	S	
2469	**Potassium cyanide**	**151-50-8**	65.12	mg/m^3	2.66	CNK	S	634
2470	Potassium dichromate	7778-50-9	294.19	mg/m^3	12.02	Cr2K2O7	S	398
2471	Potassium dideuterium phosphate	13761-79-0	139.11	mg/m^3	5.69	D2-H-O4.P.K		
2472	Potassium ferricyanide	13746-66-2	329.27	mg/m^3	13.46	C6FeK3N6	S	70 loses water
2473	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	368.37	mg/m^3	15.06	4 K.Fe (C.N)6	S	
2474	Potassium fluoride	7789-23-3	58.1	mg/m^3	2.37	FK	S	858
2475	Potassium fluoride dihydrate	13455-21-5	94.14	mg/m^3	3.85	F.H4.K.O2	S	41
2476	Potassium formate	590-29-4	84.12	mg/m^3	3.44	K.CHO2	S	168
2477	Potassium glycolate	1932-50-9	114.1283	ppm	4.66	C2-H4-O3.K	S	
2478	Potassium gold cyanide	554-07-4	288.09965	mg/m^3	11.78	Au.K.C2.N2	S	
2479	Potassium hexacyanoferrate(II) trihydrate; (Potassium ferricyanide trihydrate)	14459-95-1	422.39	mg/m^3	17.26	K4.[Fe(C.N)6].3 H2.O	S	60 dec
2480	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-, dipotassium)	16871-90-2	220.29	mg/m^3	9.00	F6.Si.2K	S	dec
2481	Potassium hydride	7693-26-7	40.11	mg/m^3	1.64	H.K	S	
2482	Potassium hydrogen lead oxide	z-0049	279.3	mg/m^3	11.42	KHPbO2	S	
2483	Potassium hydrogen metasilicate	z-0051	116.181	mg/m^3	4.75	K.H.Si.O3	S	
2484	Potassium hydrogen pyrophosphate	z-0050	291.21	mg/m^3	11.90	K3HP2O7	S	
2485	Potassium hydroxide	1310-58-3	56.11	mg/m^3	2.29	HKO	S	406
2486	Potassium iminodiacetate; (Potassium IDA)	z-0052	209	ppm	8.54	C4.H5.N.O4.2K		
2487	Potassium iodate	7758-05-6	214	mg/m^3	8.75	IKO3	S	560
2488	Potassium iodide	7681-11-0	166	mg/m^3	6.78	IK	S	681
2489	Potassium lanthanate	z-0053	246.02	mg/m^3	10.06	K.La.(O.H)4	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2468	Potassium columbate; (Potassium niobate)	12030-85-2						08/07/98		12/31/11
2469	**Potassium cyanide**	**151-50-8**				1.55 @ 20ºC		12/30/95	09/29/10	09/28/10
2470	Potassium dichromate	7778-50-9	~ 500 dec			2.68		07/09/97	01/27/12	01/27/12
2471	Potassium dideuterium phosphate	13761-79-0						04/14/04	02/08/12	02/08/12
2472	Potassium ferricyanide	13746-66-2	dec			1.85		08/07/98	06/10/09	12/31/11
2473	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3						04/14/04	06/10/09	12/31/11
2474	Potassium fluoride	7789-23-3	1502	0.75	869	2.48		09/30/97	06/10/09	12/31/11
2475	Potassium fluoride dihydrate	13455-21-5	156			2.454		07/11/07	06/10/09	12/31/11
2476	Potassium formate	590-29-4	dec			1.91		12/08/02	04/02/08	12/31/11
2477	Potassium glycolate	1932-50-9					110000	12/08/02	06/16/09	08/24/07
2478	Potassium gold cyanide	554-07-4						07/11/07	06/10/09	12/31/11
2479	Potassium hexacyanoferrate(II) trihydrate; (Potassium ferricyanide trihydrate)	14459-95-1				1.85		04/14/04	06/10/09	12/31/11
2480	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-, dipotassium)	16871-90-2				2.27		10/11/05	06/10/09	12/31/11
2481	Potassium hydride	7693-26-7				1.43		07/11/07	04/02/08	12/31/11
2482	Potassium hydrogen lead oxide	z-0049						06/13/02	12/08/11	12/31/11
2483	Potassium hydrogen metasilicate	z-0051						12/08/02	06/10/09	12/31/11
2484	Potassium hydrogen pyrophosphate	z-0050						06/13/02	06/10/09	06/27/08
2485	Potassium hydroxide	1310-58-3	1327	7.5x10-3	520	2.044		12/30/95	05/13/10	12/31/11
2486	Potassium iminodiacetate; (Potassium IDA)	z-0052						12/08/02	06/10/09	08/15/07
2487	Potassium iodate	7758-05-6				3.89		01/10/01		12/31/11
2488	Potassium iodide	7681-11-0	1330	1	745	3.13		08/07/98		12/31/11
2489	Potassium lanthanate	z-0053						12/08/02	06/10/09	

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2490	Potassium metaarsenite; (Potassium arsenite)	10124-50-2	399.65	mg/m^3	16.33	As.(OH)3.xK	S hygrs	
2491	Potassium metaborate	13709-94-9	82.92	mg/m^3	3.39	K.B.H.O2	S	
2492	Potassium molybdate	13446-49-6	238.14	mg/m^3	9.73	K2MoO4	S	919
2493	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	168.8888	mg/m^3	6.90	K2.Ni.O2	L	
2494	Potassium nickelate (liquids)	z-0055	204.9	mg/m^3	8.37	K2.Ni.(O.H)4	L	
2495	Potassium nickelate (solids)	z-0056	204.9	mg/m^3	8.37	K2.Ni.(O.H)4	S	
2496	Potassium nitrate	7757-79-1	101.1	mg/m^3	4.13	KNO3	S	334
2497	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1	305.43	mg/m^3	12.48	C6.H6.N.O6.3K		
2498	Potassium nitrite	7758-09-0	85.11	mg/m^3	3.48	KNO2	S	440
2499	Potassium orthovanadate	14293-78-8	232	mg/m^3	9.48	K3.V.O4		
2500	Potassium oxalate	583-52-8	168.24	mg/m^3	6.88	C2.H2.O4.2K	S	
2501	Potassium oxalate monohydrate	6487-48-5	184.231	mg/m^3	7.53	K2.C2.O4.H2O	S	160
2502	Potassium oxide	12136-45-7	94.1794	mg/m^3	3.85	K2.O	S	
2503	Potassium perchlorate	7778-74-7	138.55	mg/m^3	5.66	K.Cl.O4	S	400 dec
2504	Potassium periodate	7790-21-8	230.01	mg/m^3	9.40	I.K.O4	S	582
2505	Potassium permanganate	7722-64-7	158.03	mg/m^3	6.46	KMnO4	S	dec
2506	Potassium peroxymonosulfate; (Peroxymonosulfuric acid, monopotassium salt)	10058-23-8	152.17	mg/m3	6.22	H2.O5.S.K	S	
2507	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	272.34	mg/m^3	11.13	H2K2O8S2	S	100 dec
2508	Potassium phosphate dibasic trihydrate	16788-57-1	228.2256	mg/m^3	9.33	K2.H.P.O4.3 H2O	S	
2509	Potassium phosphate, dibasic	7758-11-4	174.18	mg/m^3	7.12	HK2O4P	S	
2510	Potassium phosphate, monobasic	7778-77-0	136.09	mg/m^3	5.56	H2KO4P	S	
2511	Potassium phosphate, tribasic	7778-53-2	212.27	mg/m^3	8.68	K3O4P	S	

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

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2490	Potassium metaarsenite; (Potassium arsenite)	10124-50-2						06/13/02	07/09/10	12/31/11
2491	Potassium metaborate	13709-94-9						12/08/02	06/10/09	04/20/07
2492	Potassium molybdate	13446-49-6				2.3		01/10/01	06/10/09	12/31/11
2493	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7						12/08/02	06/10/09	12/31/11
2494	Potassium nickelate (liquids)	z-0055						12/08/02	06/10/09	12/31/11
2495	Potassium nickelate (solids)	z-0056						12/08/02	06/10/09	12/31/11
2496	Potassium nitrate	7757-79-1	400 dec			2.105		09/30/97	01/19/12	01/19/12
2497	Potassium nitrilotriacetate; (Potassium NTA)	2399-85-1						12/08/02		12/31/11
2498	Potassium nitrite	7758-09-0	1000 expl			1.915		08/07/98	01/09/12	01/09/12
2499	Potassium orthovanadate	14293-78-8						12/08/02	05/13/10	12/31/11
2500	Potassium oxalate	583-52-8				2.08		08/07/98	05/13/10	12/31/11
2501	Potassium oxalate monohydrate	6487-48-5				2.13		04/14/04	02/08/12	02/08/12
2502	Potassium oxide	12136-45-7						09/05/08	02/08/12	02/08/12
2503	Potassium perchlorate	7778-74-7				2.52		04/14/04	05/13/10	12/31/11
2504	Potassium periodate	7790-21-8				3.618 @ 15ºC		04/15/07	05/13/10	12/31/11
2505	Potassium permanganate	7722-64-7				2.7		08/21/96	12/15/09	12/31/11
2506	Potassium peroxymonosulfate; (Peroxymonosulfuric acid, monopotassium salt)	10058-23-8						07/22/10		12/31/11
2507	Potassium persulfate; (Dipotassium persulfate)	7727-21-1				2.477		08/07/98	06/10/09	12/31/11
2508	Potassium phosphate dibasic trihydrate	16788-57-1						04/15/07	02/08/12	02/08/12
2509	Potassium phosphate, dibasic	7758-11-4						04/15/07	05/13/10	12/31/11
2510	Potassium phosphate, monobasic	7778-77-0						06/16/08	05/13/10	12/31/11
2511	Potassium phosphate, tribasic	7778-53-2						03/01/00	05/13/10	12/31/11

This table provides physicochemical information obtained from various references. Note that sometimes these values will differ from reference to reference.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2512	**Potassium phosphide**	**20770-41-6**	148.24376	ppm	6.06	K3.P	S	
2513	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	330.24	mg/m^3	13.50	K4O7P2	S	180
2514	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	256.32	mg/m^3	10.48	H2-O7-S2.2K	S	
2515	Potassium pyrosulfite; (Potassium metabisulfite)	16731-55-8	22.32	mg/m^3	0.912249	O5.S2.K2	S	150 decom
2516	Potassium selenate	7790-59-2	221.1376	mg/m^3	9.04	K2-Se-O4	S	1000
2517	Potassium selenite	10431-47-7	205.16	mg/m^3	8.39	K2-Se-O3	S	
2518	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1		mg/m^3		K2.Si3.05 to K2.Si3.O7	S	1015
2519	Potassium silver cyanide	506-61-6	199.01	mg/m^3	8.13	C2AgN2.K	S	
2520	Potassium stannate	12142-33-5	244.9048	mg/m^3	10.01	K2-Sn-O3	S	
2521	Potassium strontium phosphate	53201-92-6	221.68	mg/m^3	9.06	K.Sr.P.O4	S	
2522	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	174.26	mg/m^3	7.12	K2O4S	S	1067
2523	Potassium sulfite	10117-38-1	158.26	mg/m^3	6.47	O3.S.2K	S	
2524	Potassium tellurate	15571-91-2	269.78	mg/m^3	11.03	2K-Te-O4	S	
2525	Potassium tellurite	7790-58-1	253.7782	mg/m^3	10.37	2K-Te-O3	S	
2526	Potassium tetrafluoroborate(1-)	14075-53-7	125.91	mg/m^3	5.15	B.F4.K	S	570
2527	Potassium tetraphenylborate	3244-41-5	358.31	mg/m^3	14.64	KB(C6H5)4	S	
2528	Potassium thiocyanate	333-20-0	97.18	mg/m^3	3.97	CKNS	S	173
2529	Potassium trihydrogen silicate	z-0058	134.196	mg/m^3	5.48	K-H3-Si-O4	S	
2530	Potassium tungstate (liquids)	7790-60-5a	326.03	mg/m^3	13.33	K2-W-O4	L	921
2531	Potassium tungstate (solids)	7790-60-5b	326.03	mg/m^3	13.33	K2-W-O4	S hygr	921
2532	Potassium uranyl carbonate	z-0059	468.2427	mg/m^3	19.14	K2-UO2-(CO3)2	S	
2533	Potassium zirconate; (Potassium zirconium oxide; Dipotassium zirconate)	12030-98-7	217.41	mg/m^3	8.89	2KZrO3	S	

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

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2512	**Potassium phosphide**	**20770-41-6**						09/05/08	02/13/12	02/13/12
2513	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	300			2.33		04/15/07	06/10/09	12/31/11
2514	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7						08/07/98	07/18/08	12/31/11
2515	Potassium pyrosulfite; (Potassium metabisulfite)	16731-55-8				2.3		10/11/05	10/11/05	12/31/11
2516	Potassium selenate	7790-59-2				3.07		12/08/02	05/13/10	12/31/11
2517	Potassium selenite	10431-47-7						12/08/02	06/10/09	12/31/11
2518	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1				2.456		10/11/05	10/11/05	12/31/11
2519	Potassium silver cyanide	506-61-6		0.00001	25	2.36		12/08/02	06/10/09	12/31/11
2520	Potassium stannate	12142-33-5						12/08/02	06/10/09	10/11/05
2521	Potassium strontium phosphate	53201-92-6						12/08/02	06/10/09	
2522	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	1689			2.66		01/10/01	01/16/12	01/16/12
2523	Potassium sulfite	10117-38-1						08/07/98	06/10/09	12/31/11
2524	Potassium tellurate	15571-91-2						12/08/02	12/12/11	12/12/11
2525	Potassium tellurite	7790-58-1						12/08/02	06/10/09	12/31/11
2526	Potassium tetrafluoroborate(1-)	14075-53-7				2.506		10/11/05	05/13/10	12/31/11
2527	Potassium tetraphenylborate	3244-41-5						8/12/96	05/13/10	12/31/11
2528	Potassium thiocyanate	333-20-0	500 dec			1.89		08/07/98		12/31/11
2529	Potassium trihydrogen silicate	z-0058						12/08/02	06/10/09	12/31/11
2530	Potassium tungstate (liquids)	7790-60-5a				3.12		12/08/02	05/13/10	12/31/11
2531	Potassium tungstate (solids)	7790-60-5b				3.12		12/08/02	05/13/10	12/31/11
2532	Potassium uranyl carbonate	z-0059						12/08/02	06/11/09	12/31/11
2533	Potassium zirconate; (Potassium zirconium oxide; Dipotassium zirconate)	12030-98-7						12/08/02	06/28/10	12/31/11

This table provides physicochemical information obtained from various references. Note that sometimes these values will differ from reference to reference.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2534	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	112.2	mg/m^3	4.59	K.C4H9.O	S	
2535	Praseodymium	7440-10-0	140.9077	mg/m^3	5.76	Pr	S	935
2536	Praseodymium nitrate	10361-80-5	326.92	mg/m^3	13.36	N3O9Pr	S	
2537	Praseodymium oxide	12036-32-7	329.8136	mg/m^3	13.48	Pr2-O3	S	2300
2538	Praseodymium(III,IV) oxide	12037-29-5	1021.4396	mg/m^3	41.75	Pr6.O11	S	
2539	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	207.3	mg/m^3	8.47	C12H17NO2	S	87-88
2540	Propanamine, 1-; (Propylamine)	107-10-8	59.3	ppm	2.42	C3H9N	L	-83
2541	**Propane**	**74-98-6**	44.1	ppm	1.80	C3H8	G	-187.63
2542	Propane sultone, 1,3-	1120-71-4	122.14	mg/m^3	4.99	C3H6O3S	S	31
2543	Propanediamine, 1,2-	78-90-0	74.15	mg/m^3	3.03	C3H10N2	L	
2544	Propanediamine, 1,3-	109-76-2	74.15	ppm	3.03	C3H10N2	L	-12
2545	**Propanedinitrile; (Malononitrile)**	**109-77-3**	66.07	ppm	2.70	C3H2N2	L	30.5
2546	Propanediol, 1,3-	504-63-2	76.11	mg/m^3	3.11	C3.H8.O2	L	
2547	Propanediol, 2,2-dimethyl-1,3-	126-30-7	104.17	ppm	4.26	C5.H12.O2	S	129
2548	Propanethiol; (n-Propylmercaptan)	107-03-9	76.17	ppm	3.11	C3.H8.S	L	-113.3
2549	Propanol, zirconium(4+) salt, 1-	23519-77-9	327.5708	mg/m^3	13.39	C12.H24.O4.Zr	S	
2550	**Propargyl alcohol**	**107-19-7**	56.06	ppm	2.29	C3H4O	L	-51.8
2551	Propargyl bromide	106-96-7	118.97	mg/m^3	4.86	Br.C3H3	L	-61.07
2552	Propiolactone, b-	57-57-8	72.06	ppm	2.95	C3H4O2	L	-33.4
2553	**Propionaldehyde**	**123-38-6**	58.08	ppm	2.37	C3H6O	L	-80
2554	Propionic acid	79-09-4	74.09	ppm	3.03	C3H6O2	L	-21.5
2555	Propionic acid, 3-ethoxy-, ethyl ester; (Ethyl-3-ethoxypropionate)	763-69-9	146.21	ppm	5.98	C7H14O3	L	-100

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2534	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	257 dec	0.13	220	0.82		04/14/04	05/14/10	12/31/11
2535	Praseodymium	7440-10-0	3512			6.772		07/11/07		12/31/11
2536	Praseodymium nitrate	10361-80-5						09/30/97	12/15/09	12/31/11
2537	Praseodymium oxide	12036-32-7				6.9		12/08/02		12/31/11
2538	Praseodymium(III,IV) oxide	12037-29-5						10/11/05	10/11/05	12/31/11
2539	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	345	0.00003	25			12/08/02	06/11/09	12/31/11
2540	Propanamine, 1-; (Propylamine)	107-10-8	48-49	248	20	0.7191	20000	06/13/02		12/31/11
2541	**Propane**	**74-98-6**	-42.1	750	-42.3	0.493	21000	08/21/96	12/15/09	12/31/11
2542	Propane sultone, 1,3-	1120-71-4	180 @ 0.039 atm			1.393 @ 40˚C		09/30/97	01/25/12	01/25/12
2543	Propanediamine, 1,2-	78-90-0	118.9			0.9		01/04/99		12/31/11
2544	Propanediamine, 1,3-	109-76-2	135-136			0.8881		01/04/99	07/18/08	12/31/11
2545	**Propanedinitrile; (Malononitrile)**	**109-77-3**	220	11	99	1.049 @ 34ºC		06/13/02	06/11/09	
2546	Propanediol, 1,3-	504-63-2	210-211			1.0536		10/11/05		12/31/11
2547	Propanediol, 2,2-dimethyl-1,3-	126-30-7	206			1.06	11000	10/11/05	01/20/09	12/31/11
2548	Propanethiol; (n-Propylmercaptan)	107-03-9	67-68	154.2	25	0.8411 @ 20ºC		10/11/05	12/08/11	12/08/11
2549	Propanol, zirconium(4+) salt, 1-	23519-77-9						10/11/05	06/28/10	12/31/11
2550	**Propargyl alcohol**	**107-19-7**	113.6	15.6	25	0.9478 @ 20˚C	21000	12/30/95	12/15/09	02/16/12
2551	Propargyl bromide	106-96-7	88-90			1.579 @ 19ºC	30000	06/13/02	06/11/09	12/31/11
2552	Propiolactone, b-	57-57-8	162	0.75	8	1.1460 @ 20˚C	29000	09/30/97	12/15/09	12/31/11
2553	**Propionaldehyde**	**123-38-6**	48	750	47.7	0.8657	23000	09/30/97	12/15/09	04/20/07
2554	Propionic acid	79-09-4	141.1	10	39.7	0.99815	21000	08/07/98	06/11/09	12/31/11
2555	Propionic acid, 3-ethoxy-, ethyl ester; (Ethyl-3-ethoxypropionate)	763-69-9	170.1			0.9496		01/04/99	09/13/10	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2556	Propionic acid, sodium salt	137-40-6	96.07	mg/m^3	3.93	C3.H5.O2.Na	S hygr	
2557	Propionic anhydride	123-62-6	130.16	mg/m^3	5.32	C6H10O3	L	-45
2558	**Propionitrile; (Propiononitrile)**	**107-12-0**	55.09	ppm	2.25	C3H5N	L	-103.5
2559	Propionyl chloride	79-03-8	92.53	ppm	3.78	CH3CH2CO.Cl	L	-94
2560	Propoxur	114-26-1	209.24	mg/m^3	8.55	C11H15NO3	S	87
2561	Propoxypropanol, n-; (Propylene glycol monpropyl ether)	30136-13-1	228.2	ppm	9.33	C6.H14.O2	L	-80
2562	Propyl acetate, n-	109-60-4	102.15	ppm	4.18	C5.H10.O2	L	-93
2563	Propyl alcohol, n-; (n-Propanol)	71-23-8	60.11	ppm	2.46	C3H8O	L	-127
2564	**Propyl chloroformate; (Propyl chlorocarbonate)**	**109-61-5**	122.56	ppm	5.01	C4H7ClO2	L	
2565	Propyl nitrate	627-13-4	105.11	ppm	4.30	C3H7NO3	L	<-101
2566	Propyl-1-butanamine, N-	20193-21-9	115.218	mg/m^3	4.71	C7-H17-N		
2567	Propylbenzene, n-; (Isocumene)	103-65-1	120.19	ppm	4.91	C9H12	L	-99.6
2568	Propylene carbonate, 1,2-	108-32-7	102.09	mg/m^3	4.17	C4H6O3	L	-48.8
2569	**Propylene glycol dinitrate**	**6423-43-4**	166.11	ppm	6.79	C3H6N2O6	L	-7.8
2570	**Propylene glycol monomethyl ether acetate, alpha-isomer; (1-Methoxypropyl-2-acetate)**	**108-65-6**	132.18	ppm	5.40	C6.H12.O3	L	
2571	**Propylene glycol monomethyl ether acetate, beta-isomer; (2-Methoxypropoyl-1-acetate)**	**70657-70-4**	132.18	ppm	5.40	C6.H12.O3	L	
2572	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	107-98-2	90.12	ppm	3.68	C4H10O2	L	-95
2573	Propylene glycol mono-n-butyl ether; (3-Butoxy-1-propanol)	10215-33-5	132.23	ppm	5.40	C7H16O2		
2574	Propylene glycol; (1,2-Propanediol)	57-55-6	76.1	mg/m^3	3.11	C3H8O2	L	-60
2575	**Propylene oxide; (Methyl ethylene oxide)**	**75-56-9**	58.08	ppm	2.37	C3H6O	L	-112.13
2576	Propylene; (1-Propene)	115-07-1	42.09	ppm	1.72	H2C=CHCH3	G/L	-185

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

Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2556	Propionic acid, sodium salt	137-40-6						10/11/05		12/31/11
2557	Propionic anhydride	123-62-6	167	1	20.6	1.012	14800	06/13/02		12/31/11
2558	**Propionitrile; (Propiononitrile)**	**107-12-0**	97.1	35	20	0.783	31000	01/04/99	06/11/09	10/11/05
2559	Propionyl chloride	79-03-8	80			1.065		06/13/02		12/31/11
2560	Propoxur	114-26-1	dec	9.68x10-6	20	1.12 @ 20˚C		09/30/97	12/15/09	12/31/11
2561	Propoxypropanol, n-; (Propylene glycol monpropyl ether)	30136-13-1	149.8			0.8865		09/05/08	04/13/09	12/31/11
2562	Propyl acetate, n-	109-60-4	101.5	35.9	25	0.836 @ 20C	17000	07/11/07	06/11/09	12/31/11
2563	Propyl alcohol, n-; (n-Propanol)	71-23-8	97.19	10	14.7	0.8044	21000	01/04/99	06/11/09	12/31/11
2564	**Propyl chloroformate; (Propyl chlorocarbonate)**	**109-61-5**	114-115 @768			1.09		03/01/00	06/11/09	12/31/11
2565	Propyl nitrate	627-13-4	110.5			1.054 @ 20C	20000	12/08/02	06/11/09	12/31/11
2566	Propyl-1-butanamine, N-	20193-21-9						12/08/02	06/11/09	
2567	Propylbenzene, n-; (Isocumene)	103-65-1	159.24	7.5	38	0.8593	8000	09/30/97	12/15/09	12/31/11
2568	Propylene carbonate, 1,2-	108-32-7	242	0.75	43	1.2047 @ 20˚C		09/30/97	12/15/09	12/31/11
2569	**Propylene glycol dinitrate**	**6423-43-4**		0.07	22	1.23 @ 25C		06/13/02	06/11/09	
2570	**Propylene glycol monomethyl ether acetate, alpha-isomer; (1-Methoxypropyl-2-acetate)**	**108-65-6**	150	3.7	20	0.969 @ 20C	13000	04/14/04	06/11/09	04/01/09
2571	**Propylene glycol monomethyl ether acetate, beta-isomer; (2-Methoxypropoyl-1-acetate)**	**70657-70-4**					13000	04/01/09	04/06/09	04/06/09
2572	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	107-98-2	119	12.5	25	0.9620 @ 20˚C	16000	08/21/96	12/15/09	12/31/11
2573	Propylene glycol mono-n-butyl ether; (3-Butoxy-1-propanol)	10215-33-5						08/09/97	05/14/10	12/31/11
2574	Propylene glycol; (1,2-Propanediol)	57-55-6	187.6	7.5x10-2	13	1.0361 @ 20˚C	24000	08/21/96	01/25/12	01/25/12
2575	**Propylene oxide; (Methyl ethylene oxide)**	**75-56-9**	34.23	538	25	0.8304 @ 20˚C	19000	12/30/95	12/15/09	10/11/05
2576	Propylene; (1-Propene)	115-07-1	-47.7	7600	19.8	0.581 @ 0C	20000	06/13/02	06/11/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2577	**Propyleneimine, 1,2-**	**75-55-8**	57.1	ppm	2.33	C3H7N	L	-65
2578	**Propyltrichlorosilane**	**141-57-1**	177.54	ppm	7.26	C3.H7.Cl3.Si	L	
2579	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	285.39	mg/m^3	11.66	C9H20NO3PS2	S	28.5
2580	Pump oil	64742-65-0		mg/m^3			L	
2581	Pyrene	129-00-0	202.25	mg/m^3	8.27	C16H10	S	150.62
2582	Pyrethrin 1; (Cyclopropaneacrylic acid, 2,2-dimethyl-3-(2-methylpropenyl)-, ester with 4-hydroxy-3-methyl-2-(2,4-pentadienyl)-2-cyclopenten-1-one)	121-21-1	328.49	mg/m^3	13.43	C21.H28.O3	L	
2583	Pyridine	110-86-1	79.1	ppm	3.23	C6H5N	L	-41.7
2584	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	107.12	mg/m^3	4.38	C6.H5.N.O	L	12
2585	Pyridine-d5	7291-22-7	84.13	ppm	3.44	C5.D5.N	L	-42
2586	Pyriminil; (Pyriminyl)	53558-25-1	272.29	mg/m^3	11.13	C13H12N4O3	S	223-225
2587	Pyrogallic acid	87-66-1	126.12	mg/m^3	5.15	C6.H6.O3	S	131-133
2588	Pyromellitic acid	89-05-4	254.16	mg/m^3	10.39	C10H6O8	S	257-265
2589	Pyroxylin; (Cellulose tetranitrate)	9004-70-0	504.3	mg/m^3	20.61	[Unspecified]	Samor	
2590	Pyrrole; (Imidole)	109-97-7	67.1	ppm	2.74	C4.H5.N	L	-23.4
2591	Pyrrolidine	123-75-1	71.14	mg/m^3	2.91	C4H9N	L	-63
2592	Pyrrolidinone, 2-	616-45-5	85.12	ppm	3.48	C4-H7-N-O	S	24.6
2593	Pyruvate kinase	9001-59-6		mg/m^3			S	
2594	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1		mg/m^3			S	
2595	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, chlorides; (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides)	70750-47-9		mg/m^3			S	
2596	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, nitrates (salts); (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates)	71487-00-8		mg/m^3			S	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2577	**Propyleneimine, 1,2-**	**75-55-8**	67	140	25	0.812 @ 16˚C		09/30/97	05/14/10	05/14/10
2578	**Propyltrichlorosilane**	**141-57-1**	123.5	28.8	20	1.195 @ 20C		09/05/08	01/05/10	
2579	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	330	0.0001	25			12/08/02	06/11/09	12/31/11
2580	Pump oil	64742-65-0	>315			0.6-0.9		04/14/04		02/16/12
2581	Pyrene	129-00-0	404	45.x10-6	25	1.271 @ 23˚C		09/30/97	12/18/09	12/31/11
2582	Pyrethrin 1; (Cyclopropaneacrylic acid, 2,2-dimethyl-3-(2-methylpropenyl)-, ester with 4-hydroxy-3-methyl-2-(2,4-pentadienyl)-2-cyclopenten-1-one)	121-21-1	170 @ 1 mmHg	2.03E-05	?	1.5192 @ 18		01/08/08	06/10/10	12/31/11
2583	Pyridine	110-86-1	115.23	20.8	25	0.9827 @ 20˚C	17000	12/30/95	01/30/12	01/30/12
2584	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	71-73			1.137		07/11/07		12/31/11
2585	Pyridine-d5	7291-22-7	114.4			1.05	18000	07/11/07	05/14/10	12/31/11
2586	Pyriminil; (Pyriminyl)	53558-25-1		0.00001	25			12/08/02	06/11/09	12/31/11
2587	Pyrogallic acid	87-66-1	309	10	167.7	1.453 @ 4C		10/11/05	10/11/05	12/31/11
2588	Pyromellitic acid	89-05-4				1.79		08/07/98		12/31/11
2589	Pyroxylin; (Cellulose tetranitrate)	9004-70-0				1.66	19000	08/07/98	06/11/09	12/31/11
2590	Pyrrole; (Imidole)	109-97-7	129.7	8.35	25	0.9698 @ 20C		07/11/07		12/31/11
2591	Pyrrolidine	123-75-1	88.5-89	128	39	0.8618	29000	01/04/99		12/31/11
2592	Pyrrolidinone, 2-	616-45-5	245	0.00949	25	1.116		12/08/02		12/31/11
2593	Pyruvate kinase	9001-59-6						04/14/04		12/31/11
2594	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1				0.96		04/14/04		12/31/11
2595	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, chlorides; (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides)	70750-47-9						09/05/08	04/10/09	12/31/11
2596	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, nitrates (salts); (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates)	71487-00-8						09/05/08	04/10/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2597	Quinhydrone	106-34-3	220.24	mg/m^3	9.00	C12H10O4	S	171
2598	Quinoline	91-22-5	129.16	ppm	5.28	C9H7N	L	-14.78
2599	Quinolinol, 8-	148-24-3	145.17	mg/m^3	5.93	C9H7NO	S	76
2600	Red Arrow Insect Spray	z-0117		mg/m^3			L	
2601	Resorcinol	108-46-3	110.11	ppm	4.50	C6H6O2	S	109.4
2602	Rexyn I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quaternized, hydroxide)	69011-49-0	361.4586	mg/m^3	14.77	(C10.H14.O4.C8.H8.C3.H9.N)x	S	
2603	Rhenium hexafluoride	10049-17-9	300.197	mg/m^3	12.27	ReF6	L	18.5
2604	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	484.41	mg/m^3	19.80	Re2-O7	S	297
2605	Rhodium	7440-16-6	102.91	mg/m^3	4.21	Rh	S	1966
2606	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a	134.91	mg/m^3	5.51	Rh-O2	L	
2607	Rhodium oxide (solids); (Rhodium((IV) oxide)	12137-27-8b	134.91	mg/m^3	5.51	Rh-O2	S	
2608	Rhodium(III) hydroxide (liquids)	21656-02-0a	153.93	mg/m^3	6.29	Rh-(OH)3	L sol	
2609	Rhodium(III) hydroxide (solids)	21656-02-0b	153.93	mg/m^3	6.29	Rh-(OH)3	S is	
2610	Rhodium(III) oxide (solids)	12036-35-0	253.8092	mg/m^3	10.37	Rh2-O3	S is	1100 dec
2611	Riboflavine	83-88-5	376.37	mg/m^3	15.38	C17.H20.N4.O6	S	282
2612	Ribonuclease T1	9026-12-4		mg/m^3			S	
2613	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7		mg/m^3			S	
2614	Rotenone	83-79-4	394.42	mg/m^3	16.12	C23H22O6	S	176
2615	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	97.26	ppm	3.98	C5-C9 petroleum cut	L	
2616	Rubidium	7440-17-7	85.47	mg/m^3	3.49	Rb	S	39.5
2617	Rubidium bromide	7789-39-1	165.37	mg/m^3	6.76	BrRb	S	693

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2597	Quinhydrone	106-34-3				1.4		01/04/99		12/31/11
2598	Quinoline	91-22-5	237.16	7.5x10-2	23.7	1.0977 @ 15˚C		09/30/97	12/15/09	12/31/11
2599	Quinolinol, 8-	148-24-3	267					08/07/98		12/31/11
2600	Red Arrow Insect Spray	z-0117						02/19/08	01/15/09	01/15/09
2601	Resorcinol	108-46-3	276.5	4.89 x10-4	25	1.278 @ 20˚C	14000	08/21/96	12/15/09	
2602	Rexyn I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quaternized, hydroxide)	69011-49-0				1.2		10/11/05	06/11/09	12/31/11
2603	Rhenium hexafluoride	10049-17-9	33.6			2.33 @ 25ºC		10/11/05	06/11/09	12/31/11
2604	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	360			6.1		12/08/02	05/14/10	12/31/11
2605	Rhodium	7440-16-6	3727			12.41		01/04/99	02/24/10	12/31/11
2606	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a				7.2		12/08/02	06/11/09	12/31/11
2607	Rhodium oxide (solids); (Rhodium((IV) oxide)	12137-27-8b				7.2		12/08/02	06/11/09	12/31/11
2608	Rhodium(III) hydroxide (liquids)	21656-02-0a						12/08/02	06/11/09	12/31/11
2609	Rhodium(III) hydroxide (solids)	21656-02-0b						12/08/02	06/11/09	12/31/11
2610	Rhodium(III) oxide (solids)	12036-35-0				8.2		12/08/02	05/14/10	12/31/11
2611	Riboflavine	83-88-5	dec					10/11/05		12/31/11
2612	Ribonuclease T1	9026-12-4						04/14/04	06/11/09	12/31/11
2613	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7						04/14/04	06/11/09	12/31/11
2614	Rotenone	83-79-4	215 @ 0.5 mmHg	8.00E-04	20	1.27 @ 20ºC		09/30/97	05/17/10	12/31/11
2615	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	38-93			0.6		06/13/02	06/22/10	12/31/11
2616	Rubidium	7440-17-7	688			1.532 @ 20C		07/24/07	03/07/08	12/31/11
2617	Rubidium bromide	7789-39-1	1340			3.35		08/07/98	06/11/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2618	Rubidium chloride	7791-11-9	120.92	mg/m^3	4.94	ClRb	S	718
2619	Rubidium hydroxide	1310-82-3	102.48	mg/m^3	4.19	Rb-OH	V	382
2620	Rubidium nitrate	13126-12-0	147.48	mg/m^3	6.03	NO3Rb	S	
2621	Ruthenium	7440-18-8	101.07	mg/m^3	4.13	Ru	S	2333
2622	Ruthenium trichloride	10049-08-8	207.42	mg/m^3	8.48	Cl3Ru	S	500 dec
2623	Ruthenium(IV) oxide	12036-10-1	133.07	mg/m^3	5.44	Ru-O2	V	
2624	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	162.2	mg/m^3	6.63	C10H10O2	L	11
2625	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	325.25	mg/m^3	13.29	C16H14CoN2O2	S	
2626	Salicylaldehyde	90-02-8	122.13	mg/m^3	4.99	C7.H6.O2	L	-7
2627	Salicylic acid	69-72-7	138.13	mg/m^3	5.65	C7H6O3	S	158.3
2628	Salicylic acid, monoammonium salt	528-94-9	155.17	mg/m^3	6.34	C7.H5.O3.H4.N	S	
2629	Salicylic acid, phenyl ester	118-55-8	214.23	mg/m^3	8.76	C13.H10.O3	S	43
2630	Samarium	7440-19-9	150.36	mg/m^3	6.15	Sm	S	1072
2631	Samarium nitrate	10361-83-8	336.38	mg/m^3	13.75	N3O9Sm	S	
2632	Samarium(II) iodide solution	32248-43-4	404.17	mg/m^3	16.52	Sm.I2	S	
2633	Samarium(III) chloride hexahydrate	13465-55-9	364.8102	mg/m^3	14.91	Cl3.H12.O6.Sm	S	110
2634	Samarium(III) oxide	12060-58-1	348.72	mg/m^3	14.25	Sm2-O3	S	
2635	Saxitoxin	35523-89-8	299.34	mg/m^3	12.23	C10.H17.N7.O4	S	
2636	Scandium	7440-20-2	44.956	mg/m^3	1.84	Sc	S	1541
2637	Scandium oxide	12060-08-1	137.91	mg/m^3	5.64	Sc2-O3	S	2485
2638	Selenious acid	7783-00-8	128.97	mg/m^3	5.27	H2O3Se	S	70 dec
2639	Selenium	7782-49-2	78.96	mg/m^3	3.23	Se	S	220.8

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2618	Rubidium chloride	7791-11-9	1390			2.76		08/07/98	12/08/11	12/08/11
2619	Rubidium hydroxide	1310-82-3				3 .203 @ 11C		12/08/02		12/31/11
2620	Rubidium nitrate	13126-12-0						01/04/99	06/11/09	12/31/11
2621	Ruthenium	7440-18-8	4150	7.5x10-3	2315	12.1		09/30/97	12/15/09	12/31/11
2622	Ruthenium trichloride	10049-08-8				3.11		08/07/98		12/31/11
2623	Ruthenium(IV) oxide	12036-10-1				7.05		12/08/02		12/31/11
2624	Safrol; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	232.5	1	63.8	1.0960 @ 20C		06/13/02		12/31/11
2625	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1		0.00001	25			12/08/02	06/11/09	12/31/11
2626	Salicylaldehyde	90-02-8	197	0.593	25	1.167		07/11/07		12/31/11
2627	Salicylic acid	69-72-7	211 @ 20mm			1.443	11000	08/07/98		12/31/11
2628	Salicylic acid, monoammonium salt	528-94-9						10/11/05	10/11/05	12/31/11
2629	Salicylic acid, phenyl ester	118-55-8	172-173 @ 12mm			1.250 @ 20C		10/11/05	10/11/05	12/31/11
2630	Samarium	7440-19-9	1778			7.536		07/11/07	06/11/09	12/31/11
2631	Samarium nitrate	10361-83-8						09/30/97	12/15/09	12/31/11
2632	Samarium(II) iodide solution	32248-43-4				0.922		07/11/07	04/13/09	12/31/11
2633	Samarium(III) chloride hexahydrate	13465-55-9				2.38		10/11/05	10/11/05	12/31/11
2634	Samarium(III) oxide	12060-58-1				8.347		12/08/02		12/31/11
2635	Saxitoxin	35523-89-8						10/11/05	10/11/05	12/31/11
2636	Scandium	7440-20-2	2836			2.989		10/11/05	06/11/09	12/31/11
2637	Scandium oxide	12060-08-1				3.864		12/08/02	06/11/09	12/31/11
2638	Selenious acid	7783-00-8		2	15	3		12/30/95	05/17/10	12/31/11
2639	Selenium	7782-49-2	685	7.5x10-3	227	4.809		12/30/95	12/16/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2640	Selenium dioxide	7446-08-4	110.96	mg/m^3	4.54	O2Se	S	340 triple point
2641	**Selenium hexafluoride**	**7783-79-1**	192.95	ppm	7.89	F6Se	G	-34.6 triple point
2642	Selenium monosulfide	7446-34-6	111.02	mg/m^3	4.54	SSe	S	111.03
2643	Selenium oxychloride	7791-23-3	165.86	mg/m^3	6.78	Cl2OSe	L	10.9
2644	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	143.08	mg/m^3	5.85	S2Se	S	<100
2645	Semicarbazide hydrochloride	563-41-7	111.55	mg/m^3	4.56	CH5N3O.ClH	S/L	176 decom
2646	Sephacryl s-200, superfine	65546-95-4		mg/m^3				
2647	Sephacryl s-300	82785-74-8		mg/m^3				
2648	Sephadex G-25	9041-35-4		mg/m^3			S	
2649	Sepharose cl-4b	61970-08-9		mg/m^3			S	
2650	**Silane; (Silicon tetrahydride)**	**7803-62-5**	32.13	ppm	1.31	H4Si	G	-185
2651	Silica amorphous hydrated	7631-86-9	60.08	mg/m^3	2.46	O2Si	S	
2652	Silica gel	63231-67-4		mg/m^3		Si.O2	S	1610
2653	Silica gel dessicant	1343-98-2		mg/m^3		Si.O2	S coll.	1610
2654	Silica gel, amorphous synthetic	112926-00-8		mg/m^3		Si.O2	S	
2655	Silica, amorphous fume	69012-64-2		mg/m^3		[Unspecified]		3110
2656	Silica, amorphous fumed	112945-52-5	60.09	mg/m^3	2.46	O2Si	S pwdr	
2657	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	60.09	mg/m^3	2.46	O2Si	S	573
2658	Silicic acid	7699-41-4	78.09958	mg/m^3	3.19	Si-H2-O3	S	
2659	Silicic acid, aluminum calcium sodium salt	1344-01-0	135	mg/m^3	5.52	Si.OH.Al.Ca.Na ?	S react	
2660	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	184.04268	mg/m^3	7.52	Na4.O4.Si	S	
2661	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	144.09	mg/m^3	5.89	H2F6Si	L	

This table provides physicochemical information obtained from various references. Note that sometimes these values will differ from reference to reference.
Chemicals with AEGLs: large, bolded font. ERPGs (but no AEGLs): bolded font.

Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2640	Selenium dioxide	7446-08-4	315 subl	7.5x10-3	124.5	3.95		09/30/97	05/17/10	12/31/11
2641	**Selenium hexafluoride**	**7783-79-1**	-46.6 subl	750	-46.5	7.887		09/30/97	12/16/09	08/17/07
2642	Selenium monosulfide	7446-34-6	118dec			3.056 @ 0C		03/01/00	05/17/10	12/31/11
2643	Selenium oxychloride	7791-23-3	176.4	2.9	25	2.42 @ 22C		12/08/02	05/17/10	12/31/11
2644	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4						03/01/00	05/17/10	12/31/11
2645	Semicarbazide hydrochloride	563-41-7						06/13/02	06/11/09	12/31/11
2646	Sephacryl s-200, superfine	65546-95-4						07/11/07	06/11/09	12/31/11
2647	Sephacryl s-300	82785-74-8						07/11/07	06/11/09	12/31/11
2648	Sephadex G-25	9041-35-4						04/14/04	06/11/09	12/31/11
2649	Sepharose cl-4b	61970-08-9						07/11/07	06/11/09	12/31/11
2650	**Silane; (Silicon tetrahydride)**	**7803-62-5**	-112			0.68 @ 185°C	13700	08/07/98	06/11/09	
2651	Silica amorphous hydrated	7631-86-9				2.2		09/30/97	06/30/10	12/31/11
2652	Silica gel	63231-67-4	2503	10	1732	2.2		04/14/04	06/28/10	12/31/11
2653	Silica gel dessicant	1343-98-2	2503 @ 20ºC	10	1732	2.2		04/14/04	06/28/10	12/31/11
2654	Silica gel, amorphous synthetic	112926-00-8						04/14/04	06/29/10	12/31/11
2655	Silica, amorphous fume	69012-64-2	4046			2.2		03/01/00	06/11/09	12/31/11
2656	Silica, amorphous fumed	112945-52-5						09/30/97	12/16/09	12/31/11
2657	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	2950	7.5x10-3	1966	2.648		08/21/96	12/16/09	12/31/11
2658	Silicic acid	7699-41-4						10/24/07	06/11/09	12/31/11
2659	Silicic acid, aluminum calcium sodium salt	1344-01-0						10/11/05	06/11/09	12/31/11
2660	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	102	18				04/14/04	06/11/09	12/31/11
2661	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4				1.0407 @ 17.5˚C		12/30/95	05/17/10	12/31/11

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

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2662	Silicon	7440-21-3	28.09	mg/m^3	1.15	Si	S	1414
2663	Silicon carbide	409-21-2	40.1	mg/m^3	1.64	CSi	S	2830
2664	Silicon nitride	12033-89-5	140.284	mg/m^3	5.73	Si3.N4	S	1900
2665	**Silicon tetrafluoride; (Tetrafluorosilane)**	**7783-61-1**	104.09	ppm	4.25	F4Si	G	-77
2666	Silicon(II) oxide; (Silicon oxide)	10097-28-6	44.09	mg/m^3	1.80	OSi	S	>1702
2667	Siloprene k 1000	63394-02-5		mg/m^3			S	
2668	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7		mg/m^3		Cab-0-sil-N70-TS-	S	
2669	Siloxanes and silicones, methyl phenyl; (Silicon Y-6607; Silicone fluid, high temp)	67762-92-9	75	mg/m^3	3.07	-R2.SI-O	L	
2670	Silver	7440-22-4	107.87	mg/m^3	4.41	Ag	S	961.78
2671	Silver carbonate; (Silver(I) carbonate)	534-16-7	275.7456	mg/m^3	11.27	Ag2-CO3	S	218
2672	Silver chloride	7783-90-6	143.321	mg/m^3	5.86	AgCl	S	455
2673	Silver cyanide	506-64-9	133.89	mg/m^3	5.47	AgCN	S	320 dec
2674	Silver hydroxide	12673-77-7	124.875	mg/m^3	5.10	Ag.OH	S	
2675	Silver nitrate	7761-88-8	169.87	mg/m^3	6.94	AgNO3	S	210
2676	Silver nitrite; (Silver(I) nitrite)	7783-99-5	153.874	mg/m^3	6.29	Ag-NO2	S	
2677	Silver oxide	20667-12-3	231.74	mg/m^3	9.47	Ag2O	S	~ 200 dec
2678	Soda lime	8006-28-8		mg/m^3		Ca.O + >4% Na.OH	S	
2679	Sodium	7440-23-5	22.99	mg/m^3	0.94	Na	S	97.794
2680	Sodium acetate	127-09-3	82.03	mg/m^3	3.35	C2H3NaO2	S	328.2
2681	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	82.04	mg/m^3	3.35	Na.C2.H4.O2.3(H2O)	S hygr	324
2682	Sodium aluminate anhydrous; (Aluminum sodium dioxide anhydrous)	11138-49-1	81.97	mg/m^3	3.35	[Unspecified]	S hygr	1650
2683	Sodium aluminate; (Aluminum sodium dioxide)	1302-42-7	81.97	mg/m^3	3.35	AlNaO2	S hygr	1650

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2662	Silicon	7440-21-3	3265	7.5x10-3	1635	2.3296		09/30/97	12/16/09	12/31/11
2663	Silicon carbide	409-21-2				3.16		09/30/97	12/16/09	12/31/11
2664	Silicon nitride	12033-89-5				3.17		10/11/05	06/11/09	12/31/11
2665	**Silicon tetrafluoride; (Tetrafluorosilane)**	**7783-61-1**						12/08/02	06/11/09	08/17/07
2666	Silicon(II) oxide; (Silicon oxide)	10097-28-6	1880			2.15		08/07/98	06/11/09	12/31/11
2667	Siloprene k 1000	63394-02-5						10/11/05	06/11/09	12/31/11
2668	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	> 140 @ 0.002 mm	< 5	20	1.8		04/14/04	04/13/09	12/31/11
2669	Siloxanes and silicones, methyl phenyl; (Silicon Y-6607; Silicone fluid, high temp)	67762-92-9						11/15/96	12/16/09	12/31/11
2670	Silver	7440-22-4	2162	7.5x10-3	1010	10.5		12/30/95	12/16/09	12/31/11
2671	Silver carbonate; (Silver(I) carbonate)	534-16-7				6.077		12/08/02	05/18/10	12/31/11
2672	Silver chloride	7783-90-6	1547	7.5x10-3	670	5.56		11/15/96	05/18/10	12/31/11
2673	Silver cyanide	506-64-9				3.95		12/30/95	05/18/10	12/31/11
2674	Silver hydroxide	12673-77-7						12/08/02	06/11/09	12/31/11
2675	Silver nitrate	7761-88-8	440 dec			4.35		12/30/95	05/18/10	12/31/11
2676	Silver nitrite; (Silver(I) nitrite)	7783-99-5						12/08/02	05/18/10	12/31/11
2677	Silver oxide	20667-12-3				7.2		11/15/96	05/18/10	12/31/11
2678	Soda lime	8006-28-8						04/14/04	06/12/09	06/12/09
2679	Sodium	7440-23-5	882.94	7.5x10-3	280.6	0.97		07/09/97	02/16/12	01/25/12
2680	Sodium acetate	127-09-3				1.528		09/30/97	12/16/09	12/31/11
2681	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	dec			1.528		04/14/04		12/31/11
2682	Sodium aluminate anhydrous; (Aluminum sodium dioxide anhydrous)	11138-49-1				1.55		01/04/99	06/12/09	12/31/11
2683	Sodium aluminate; (Aluminum sodium dioxide)	1302-42-7				4.63		01/10/01	06/12/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2684	Sodium aluminosilicate	1344-00-9	142.054407	mg/m^3	5.81	Na.Al.Si.O4	S	
2685	Sodium aluminum hydride	13770-96-2	54.01	mg/m^3	2.21	Al.H4.Na	S	183
2686	Sodium aluminum silicate	73987-94-7	410.94	mg/m^3	16.80	Al.12(Na.Si.O4)	S	
2687	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	246.79	mg/m^3	10.09	Na.Sb.O3	S	
2688	Sodium antimonite	z-0061	212.78	mg/m^3	8.70	Na.Sb.(OH)4	S	
2689	Sodium argentate	z-0062	164.87	mg/m^3	6.74	Na.Ag.(OH)2	S	
2690	Sodium arsenate	7631-89-2	202.94	mg/m^3	8.29	AsH3O4.7Na	S	86
2691	Sodium arsenite	7784-46-5	129.91	mg/m^3	5.31	AsNaO2	S	
2692	Sodium azide	26628-22-8	65.01	mg/m^3	2.66	N3.Na	S	300 dec
2693	Sodium beryllium oxide	z-0063	112.0021	mg/m^3	4.58	Na2-Be2-O3	S	
2694	Sodium bicarbonate	144-55-8	84.01	mg/m^3	3.43	CHNaO3	S	~ 50 dec
2695	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	62	mg/m^3	2.53	F2.Hna	S	decom
2696	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	202.16	mg/m^3	8.26	C6.H16.Al.Na.O4	S	
2697	Sodium bismuthate	12232-99-4	279.97	mg/m^3	11.44	NaBi(OH)4 or BiNaO3	S	
2698	Sodium bisulfate monohydrate	10034-88-5	138.08	mg/m^3	5.64	Na.H.O4.S.H2O	S	
2699	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	120.06	mg/m^3	4.91	HNaO4S	S	>315dec
2700	Sodium bisulfite	7631-90-5	104.06	mg/m^3	4.25	HNaO3S	S	dec
2701	Sodium borate decahydrate	1303-96-4	381.37	mg/m^3	15.59	B4H20Na2O17	S	75 dec
2702	Sodium borate; (Disodium tetraborate; Borates, tetrasodium salts)	1330-43-4	201.22	mg/m^3	8.22	B4Na2O7	S	743
2703	Sodium borohydride	16940-66-2	37.84	mg/m^3	1.55	BH4Na	S	497 dec
2704	Sodium bromate	7789-38-0	150.9	mg/m^3	6.17	BrNaO3	S	381
2705	Sodium bromide	7647-15-6	102.9	mg/m^3	4.21	BrNa	S	747

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2684	Sodium aluminosilicate	1344-00-9						12/08/02	05/18/10	
2685	Sodium aluminum hydride	13770-96-2				1.24		08/17/07		12/31/11
2686	Sodium aluminum silicate	73987-94-7						12/08/02	06/12/09	
2687	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0						07/02/08	03/24/10	12/31/11
2688	Sodium antimonite	z-0061						12/08/02	08/14/09	12/31/11
2689	Sodium argentate	z-0062						12/08/02	05/18/10	12/31/11
2690	Sodium arsenate	7631-89-2						11/15/96	06/28/10	12/31/11
2691	Sodium arsenite	7784-46-5				1.87		11/15/96	06/28/10	12/31/11
2692	Sodium azide	26628-22-8		7.5x10-3	20	1.846		11/15/96	12/18/09	12/31/11
2693	Sodium beryllium oxide	z-0063						12/08/02	01/17/12	01/17/12
2694	Sodium bicarbonate	144-55-8				2.2		07/09/97	12/22/11	12/31/11
2695	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1				2.08		06/13/02	06/12/09	12/31/11
2696	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	396-402			1.036		10/11/05	06/12/09	12/31/11
2697	Sodium bismuthate	12232-99-4						12/08/02		12/31/11
2698	Sodium bisulfate monohydrate	10034-88-5				2.1		04/14/04		12/31/11
2699	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1				2.43513		08/07/98		12/31/11
2700	Sodium bisulfite	7631-90-5				1.48		09/30/97	12/18/09	12/31/11
2701	Sodium borate decahydrate	1303-96-4		~ 0	no temp	1.73		12/30/95	05/18/10	12/31/11
2702	Sodium borate; (Disodium tetraborate; Borates, tetrasodium salts)	1330-43-4	1575	negligible	20	2.4		12/30/95	12/18/09	12/31/11
2703	Sodium borohydride	16940-66-2				1.07		08/07/98	06/29/10	12/31/11
2704	Sodium bromate	7789-38-0				3.339		08/07/98		12/31/11
2705	Sodium bromide	7647-15-6	1390			3.21		01/10/01		12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2706	Sodium butyl (2-ethylhexyl)phosphate	z-0064	288.299428	mg/m^3	11.78	[Unknown]		
2707	Sodium butyl butylphosphonate	z-0065	232.191908	mg/m^3	9.49	[Unknown]		
2708	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	159.99	mg/m^3	6.54	AsO2C2H6.Na	S	200
2709	Sodium cadminate	z-0066	226.42	mg/m^3	9.25	Na2-Cd-(OH)4	S	
2710	Sodium carbonate	497-19-8	105.99	mg/m^3	4.33	CNa2O3	S hygr	851
2711	Sodium carbonate monohydrate	5968-11-6	124.005	mg/m^3	5.07	Na2CO3.H2O	S	851
2712	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4		mg/m^3			S	
2713	Sodium chloride	7647-14-5	58.44	mg/m^3	2.39	ClNa	S	800.7
2714	Sodium chlorite	7758-19-2	90.44	mg/m^3	3.70	Na.Cl.O2	S	257
2715	Sodium chromate decahydrate	13517-17-4	342.18	mg/m^3	13.99	CrH20Na2O14	S	
2716	Sodium chromate tetrahydrate	10034-82-9	303.03	mg/m^3	12.39	2Na.Cr.O4.4H2O	S	dec.
2717	Sodium chromate(VI); (Disodium chromate)	7775-11-3	161.97	mg/m^3	6.62	CrNa2O4	S	794
2718	Sodium citrate; (Monosodium citrate)	18996-35-5	214.12	mg/m^3	8.75	C6H7NaO7	S	
2719	Sodium cobaltinitrite	13600-98-1	403.96	mg/m^3	16.51	CoN6Na3O12	S	
2720	**Sodium cyanide**	**143-33-9**	49.01	mg/m^3	2.00	CNNa	S	563
2721	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1	88.08	mg/m^3	3.60	C5.H5.Na	S	
2722	Sodium deuteroxide	14014-06-3	41	mg/m^3	1.68	Na.O.D	S	
2723	Sodium dichromate dihydrate	7789-12-0	298.02	mg/m^3	12.18	Cr2H4Na2O9	S	loses H2O at 100
2724	Sodium dichromate; (Disodium dichromate)	10588-01-9	261.98	mg/m^3	10.71	Cr2Na2O7	S	356.7
2725	Sodium diethyldithiocarbamate trihydrate	20624-25-3	225.33	mg/m^3	9.21	C5.H10.N.S2.Na.3H2.0	S	95
2726	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5	171.27	mg/m^3	7.00	C5H10NS2.Na	S	95
2727	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	119.88	mg/m^3	4.90	Na.H3.O4.P	S	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2706	Sodium butyl (2-ethylhexyl)phosphate	z-0064						12/08/02	06/12/09	07/02/08
2707	Sodium butyl butylphosphonate	z-0065						12/08/02	06/12/09	
2708	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2						06/13/02	06/28/10	12/31/11
2709	Sodium cadminate	z-0066						12/08/02	05/18/10	12/31/11
2710	Sodium carbonate	497-19-8	dec			2.509 @ 0C		12/30/95	12/22/11	12/31/11
2711	Sodium carbonate monohydrate	5968-11-6				2.53		06/13/02	12/23/11	12/23/11
2712	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4						04/14/04	01/09/12	01/09/12
2713	Sodium chloride	7647-14-5	1465	7.5x10-3	653	2.17		09/30/97	12/21/09	12/31/11
2714	Sodium chlorite	7758-19-2	180-200 dec			2.468		04/14/04		12/31/11
2715	Sodium chromate decahydrate	13517-17-4						11/15/96	12/07/11	12/07/11
2716	Sodium chromate tetrahydrate	10034-82-9						06/25/07	12/07/11	12/07/11
2717	Sodium chromate(VI); (Disodium chromate)	7775-11-3				2.72		12/30/95	12/22/11	12/07/11
2718	Sodium citrate; (Monosodium citrate)	18996-35-5						08/07/98	06/12/09	12/31/11
2719	Sodium cobaltinitrite	13600-98-1						08/07/98		12/31/11
2720	**Sodium cyanide**	**143-33-9**	1496	1	817	1.6		12/30/95	03/11/11	09/29/10
2721	Sodium cyclopentadienylide; (Cyclopentadienyl sodium)	4984-82-1						10/11/05	06/12/09	12/31/11
2722	Sodium deuteroxide	14014-06-3						07/11/07	06/12/09	06/12/09
2723	Sodium dichromate dihydrate	7789-12-0	400 dec			2.35 @ 13C		01/10/01	02/13/12	01/27/12
2724	Sodium dichromate; (Disodium dichromate)	10588-01-9	400 dec			2.35 @ 13C		12/30/95	12/07/11	12/31/11
2725	Sodium diethyldithiocarbamate trihydrate	20624-25-3				1.1 @ 20ºC		10/11/05	06/12/09	12/31/11
2726	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5				1.1 @ 20ºC		06/13/02	12/09/11	12/31/11
2727	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	204 dec			2.04		04/14/04	07/19/08	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2728	Sodium dithionate dihydrate	7631-94-9	242.14	mg/m^3	9.90	Na2.S2.O6.2H2O	S	110
2729	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	348.52	mg/m^3	14.24	C18H29NaO3S	S	
2730	Sodium ethoxide	141-52-6	68.05	mg/m^3	2.78	C2.H5.O.Na	S hygr	260 dec
2731	Sodium ferrocyanide	13601-19-9	303.93	mg/m^3	12.42	C6FeN6Na4	S	
2732	Sodium fluoride	7681-49-4	41.99	mg/m^3	1.72	FNa	S	996
2733	Sodium formate	141-53-7	68.01	mg/m^3	2.78	CHNaO2	S	257
2734	Sodium gluconate	527-07-1	218.16	mg/m^3	8.92	C6H11NaO7	S hygr	
2735	Sodium glycinate	6000-44-8	97.06	ppm	3.97	Na-C2-H4-N-O2	S	
2736	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	98.04	ppm	4.01	Na-C2-H3-O3	S	
2737	Sodium hexahydroxoantimonate; (Sodium antimonate)	33908-66-6	192.744968	mg/m^3	7.88	Na.Sb.(OH)6	S	
2738	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	184.38377	mg/m^3	7.54	C6.H9.N.Si2.Na	S	
2739	Sodium hydride	7646-69-7	24	mg/m^3	0.98	Na-H	S	800 decom
2740	Sodium hydrogen lead oxide	z-0067	263.2	mg/m^3	10.76	Na-H-Pb-O2	S	
2741	Sodium hydrogen metasilicate	z-0068	100.081	mg/m^3	4.09	Na-H-Si-O3	S	
2742	Sodium hydrogen pyrophosphate	z-0069	243.92	mg/m^3	9.97	Na3-H-P2-O7	S	
2743	Sodium hydrosulfite	7775-14-6	174.1	mg/m^3	7.12	O4S2.2Na	S	55 dec
2744	**Sodium hydroxide**	**1310-73-2**	40	mg/m^3	1.63	HNaO	S	323
2745	Sodium hypobromite	13824-96-9	119.9	mg/m^3	4.90	Na.Br. O.H	S	
2746	Sodium hypochlorite	7681-52-9	75.45	mg/m^3	3.08	ClHO.Na	S	18
2747	Sodium hypochlorite pentahydrate	10022-70-5	165.55	mg/m^3	6.77	ClHO.Na.5H2O	L	
2748	Sodium hypophosphite	7681-53-0	87.98	mg/m^3	3.60	H2.O2.P.Na	S	
2749	Sodium hypophosphite hydrate	123333-67-5		mg/m^3		Na.H2.O2.P-hydrate	S hygr	dec

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2728	Sodium dithionate dihydrate	7631-94-9	267 dec			2.19		04/14/04	06/12/09	12/31/11
2729	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0						01/04/99		12/31/11
2730	Sodium ethoxide	141-52-6		< 0.1	20			07/11/07		12/31/11
2731	Sodium ferrocyanide	13601-19-9				1.458		01/04/99	07/06/10	12/31/11
2732	Sodium fluoride	7681-49-4	1704	7.5x10-2	920	2.78		09/30/97	01/05/10	12/31/11
2733	Sodium formate	141-53-7	dec			1.92		09/30/97	12/23/09	12/31/11
2734	Sodium gluconate	527-07-1						01/10/01		12/31/11
2735	Sodium glycinate	6000-44-8						12/08/02		12/31/11
2736	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0					66000	12/08/02		12/31/11
2737	Sodium hexahydroxoantimonate; (Sodium antimonate)	33908-66-6						12/08/02	08/06/10	12/31/11
2738	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9						10/11/05	06/12/09	12/31/11
2739	Sodium hydride	7646-69-7				0.9		06/13/02	06/12/09	12/31/11
2740	Sodium hydrogen lead oxide	z-0067						12/08/02	12/08/11	12/31/11
2741	Sodium hydrogen metasilicate	z-0068						12/08/02	06/12/09	
2742	Sodium hydrogen pyrophosphate	z-0069						04/15/07	06/12/09	
2743	Sodium hydrosulfite	7775-14-6						08/07/98	06/12/09	12/31/11
2744	**Sodium hydroxide**	**1310-73-2**	1388	7.5x10-3	513	2.13		11/30/92	12/23/09	
2745	Sodium hypobromite	13824-96-9						09/05/08	06/12/09	12/31/11
2746	Sodium hypochlorite	7681-52-9						08/07/98	06/12/09	12/31/11
2747	Sodium hypochlorite pentahydrate	10022-70-5				1.21 @ 20C		06/13/02	02/13/12	02/13/12
2748	Sodium hypophosphite	7681-53-0						10/11/05		12/31/11
2749	Sodium hypophosphite hydrate	123333-67-5						04/14/04		12/31/11

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2750	Sodium iodate	7681-55-2	197.89247	mg/m^3	8.09	Na-I-O3	S	dec
2751	Sodium iodide	7681-82-5	149.89	mg/m^3	6.13	INa	S	660
2752	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	81.07	mg/m^3	3.31	Na.C.N.S	S deliq	287
2753	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	112.07	mg/m^3	4.58	C3.H5.O3.Na	S hygr	
2754	Sodium lanthanate	z-0070	229.92	mg/m^3	9.40	Na-La-(OH)4	S	
2755	Sodium lauryl sulfate	151-21-3	288.38	mg/m^3	11.79	C12H25NaO4S	S	205
2756	Sodium metabisulfite	7681-57-4	190.11	mg/m^3	7.77	Na2O5S2	S	150 dec
2757	Sodium metaborate	7775-19-1	66.81	mg/m^3	2.73	Na-B-H-O2	S	966
2758	Sodium metaphosphate	10361-03-2	101.96	mg/m^3	4.17	NaO3P	S	628
2759	Sodium metasilicate nonahydrate	13517-24-3	286.22	mg/m^3	11.70	H20Na2O12Si	S	1089
2760	Sodium metasilicate pentahydrate	10213-79-3	212.15	mg/m^3	8.67	2Na.SI.O3.5 H2.O	S	72
2761	Sodium metavanadate; (Sodium vanadate)	13718-26-8	121.93	mg/m^3	4.98	NaO3V	S	630
2762	Sodium methylate	124-41-4	54.03	mg/m^3	2.21	CH3NaO	S	>300
2763	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	241.95	mg/m^3	9.89	Na2MoO4.2H2O	S	
2764	Sodium monoxide; (Sodium oxide)	12401-86-4	38.99	mg/m^3	1.59	NaO	S	
2765	Sodium nickel oxide (Liquid)	37367-09-2	136.6717	mg/m^3	5.59	Na2.Ni.O2	L	
2766	Sodium nickelate (Liquids)	z-0073	172.7	mg/m^3	7.06	Na2.Ni.(O.H)4	L	
2767	Sodium nickelate (Solids)	z-0074	172.7	mg/m^3	7.06	Na2.Ni.(O.H)4	S	
2768	Sodium nitrate	7631-99-4	85	mg/m^3	3.47	NNaO3	S	306.5
2769	Sodium nitrite	7632-00-0	69	mg/m^3	2.82	NNaO2	S	284
2770	Sodium nitroferricyanide	14402-89-2	261.94	mg/m^3	10.71	C5FeN6Na2O	S	
2771	Sodium o-benzyl-p-chlorophenate	3184-65-4	241.68	mg/m^3	9.88	C13H11ClNaO	S	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2750	Sodium iodate	7681-55-2				4.277 @ 17.5C		12/08/02	06/12/09	12/31/11
2751	Sodium iodide	7681-82-5	1304	1	767	3.667		08/07/98		12/31/11
2752	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7						04/14/04		12/31/11
2753	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3						07/11/07		12/31/11
2754	Sodium lanthanate	z-0070						12/08/02	06/12/09	
2755	Sodium lauryl sulfate	151-21-3						09/30/97	12/30/09	12/31/11
2756	Sodium metabisulfite	7681-57-4				1.4		09/30/97	12/23/09	12/31/11
2757	Sodium metaborate	7775-19-1	1434			2.36		12/08/02	02/13/12	12/31/11
2758	Sodium metaphosphate	10361-03-2						07/09/97	12/23/09	12/31/11
2759	Sodium metasilicate nonahydrate	13517-24-3				2.614		01/10/01	05/19/10	12/31/11
2760	Sodium metasilicate pentahydrate	10213-79-3						02/19/08	05/19/10	12/31/11
2761	Sodium metavanadate; (Sodium vanadate)	13718-26-8						08/07/98	06/21/10	12/31/11
2762	Sodium methylate	124-41-4	127dec					03/01/00		12/31/11
2763	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6				3.5		06/13/02	05/19/10	12/31/11
2764	Sodium monoxide; (Sodium oxide)	12401-86-4	1275 subl			2.27		11/30/92	12/23/09	06/12/09
2765	Sodium nickel oxide (Liquid)	37367-09-2						12/08/02	06/12/09	12/31/11
2766	Sodium nickelate (Liquids)	z-0073						12/08/02	06/12/09	12/31/11
2767	Sodium nickelate (Solids)	z-0074						12/08/02	06/12/09	12/31/11
2768	Sodium nitrate	7631-99-4	380 dec			2.261		12/30/95	12/22/11	12/31/11
2769	Sodium nitrite	7632-00-0	> 320 dec			2.17		12/30/95	12/22/11	12/31/11
2770	Sodium nitroferricyanide	14402-89-2						01/04/99		12/31/11
2771	Sodium o-benzyl-p-chlorophenate	3184-65-4						09/30/97	12/23/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2772	Sodium orthovanadate	13721-39-6	183.91	mg/m^3	7.52	Na3-V-O4	S	850-866
2773	Sodium oxalate	62-76-0	134	mg/m^3	5.48	C2Na2O4	S	~ 250 dec
2774	Sodium pentachlorophenate	131-52-2	288.3	mg/m^3	11.78	C6Cl5O.Na	S	
2775	Sodium perchlorate	7601-89-0	122.44	mg/m^3	5.00	ClNaO4	S	482 dec
2776	Sodium perchlorate monohydrate	7791-07-3	140.46	mg/m^3	5.74	Cl.O4.Na.H2O	S	130
2777	Sodium permanganate	10101-50-5	141.93	mg/m^3	5.80	Mn.O4.Na	S	
2778	Sodium peroxide	1313-60-6	77.98	mg/m^3	3.19	Na2O2	S	675
2779	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8	273.19	mg/m^3	11.17	NaO4Re	S	420
2780	Sodium persulfate	7775-27-1	238.1	mg/m^3	9.73	2Na.S2.O8	S	100 dec
2781	Sodium phosphate	7632-05-5	258.93	mg/m^3	10.58	H3.O4.P.x Na	S	
2782	Sodium phosphate, dibasic	7558-79-4	141.96	mg/m^3	5.80	HNa2O4P	S	240dec
2783	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	358.2	mg/m^3	14.64	HO4P.2Na.12H2O	S	
2784	Sodium phosphate, dibasic, heptahydrate	7782-85-6	383.05	mg/m^3	15.66	HO4P.2Na.7H2O	S hygr	
2785	Sodium phosphate, monobasic	7558-80-7	119.976	mg/m^3	4.90	Na-H2-P-O4	S	
2786	Sodium phosphate, tribasic, dodecahydrate	10101-89-0	380.18	mg/m^3	15.54	H24Na3O16P	S	
2787	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8	611.76	mg/m^3	25.00	O18P6.6Na	S	
2788	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	305.88	mg/m^3	12.50	3Na.(PO3)3	S	
2789	Sodium phosphate, tribasic; (Trisodium phosphate)	7601-54-9	163.94	mg/m^3	6.70	Na3O4P	S	1583
2790	**Sodium phosphide**	**12058-85-4**	99.94	ppm	4.08	Na3.P	S	
2791	Sodium polyphosphate	68915-31-1	611.770386	mg/m^3	25.00	Na6.O18.P6		
2792	Sodium polytungstate	12141-67-2	2986.13006	mg/m^3	122.05	H2.O40.W12-6Na	S	
2793	Sodium potassium tartrate tetrahydrate	6381-59-5	282.22	mg/m^3	11.53	C4.H4.K.Na.O6.4H2O	S	90 - 100

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2772	Sodium orthovanadate	13721-39-6						12/08/02	02/13/12	02/13/12
2773	Sodium oxalate	62-76-0				2.34		08/21/96	06/05/10	12/31/11
2774	Sodium pentachlorophenate	131-52-2						06/13/02	06/12/09	12/31/11
2775	Sodium perchlorate	7601-89-0				2.02		08/07/98	06/12/09	12/31/11
2776	Sodium perchlorate monohydrate	7791-07-3				2.02		04/14/04		12/31/11
2777	Sodium permanganate	10101-50-5				1.972		07/11/07	05/19/10	12/31/11
2778	Sodium peroxide	1313-60-6	657 dec			2.805		11/30/92	12/23/09	06/12/09
2779	Sodium perrhenate; (Rhenium(VII) sodium oxide)	13472-33-8						01/10/01	06/12/09	12/31/11
2780	Sodium persulfate	7775-27-1				2.4		04/14/04	06/12/09	12/31/11
2781	Sodium phosphate	7632-05-5						08/21/96	12/23/09	12/31/11
2782	Sodium phosphate, dibasic	7558-79-4						08/07/98		12/31/11
2783	Sodium phosphate, dibasic, dodecahydrate	10039-32-4						06/13/02		12/31/11
2784	Sodium phosphate, dibasic, heptahydrate	7782-85-6	loses 5.H2O @ 48C					12/08/02		12/31/11
2785	Sodium phosphate, monobasic	7558-80-7						12/08/02		12/31/11
2786	Sodium phosphate, tribasic, dodecahydrate	10101-89-0						01/10/01	06/12/09	12/31/11
2787	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8						06/13/02	6/17/2009	12/31/11
2788	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4						06/13/02	8/17/2007	12/31/11
2789	Sodium phosphate, tribasic; (Trisodium phosphate)	7601-54-9				2.54		12/30/95	12/23/09	12/31/11
2790	**Sodium phosphide**	**12058-85-4**						09/05/08	02/13/12	02/13/12
2791	Sodium polyphosphate	68915-31-1						10/11/05	10/11/05	12/31/11
2792	Sodium polytungstate	12141-67-2						10/11/05	05/19/10	12/31/11
2793	Sodium potassium tartrate tetrahydrate	6381-59-5	200			1.77		04/14/04		12/31/11

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2794	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	210.16	mg/m^3	8.59	C4.H4.K.Na.O6	S pwdr	90 - 100
2795	Sodium p-tert-amylphenate; (4-(1,1-Dimethylpropyl)phenol, sodium salt)	31366-95-7	186.25	mg/m^3	7.61	C11H15NaO		
2796	Sodium pyrophosphate decahydrate	13472-36-1	446.1	mg/m^3	18.23	2Na.H2.O7.P2.10 H2O	S	
2797	Sodium pyrophosphate, di-	7758-16-9	221.94	mg/m^3	9.07	H2Na2O7P2	S	220 dec
2798	Sodium pyruvate; (Pyruvic acid, sodium salt)	113-24-6	110.04667	mg/m^3	4.50	C3.H3.O5.Na	S	300
2799	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	160.11	mg/m^3	6.54	C7.H5.Na.O3	S	200
2800	Sodium selenate; (Disodium selenate)	13410-01-0	188.94	mg/m^3	7.72	SeO4.2Na	S/L	
2801	Sodium selenite	10102-18-8	172.94	mg/m^3	7.07	SeO3.2Na	S	710
2802	Sodium silicate; (Sodium metasilicate)	6834-92-0	122.07	mg/m^3	4.99	Na2O3Si	L/S	1089
2803	Sodium stannate	12058-66-1	212.687736	mg/m^3	8.69	Na2-Sn-O3	S	
2804	Sodium stearate	822-16-2	306.52	mg/m^3	12.53	C18H36O2.Na	S	
2805	Sodium strontium phosphate	19553-80-1	205.58	mg/m^3	8.40	Na.Sr.PO4	S	
2806	Sodium succinate	150-90-3	162.06	ppm	6.62	Na2.C4.H4.O4	L	
2807	Sodium succinate, hexahydrate	6106-21-4	270.14	mg/m^3	11.04	2Na.C4.H4.O4. 6(H2.O)	L	
2808	Sodium sulfamate	13845-18-6	120.08	mg/m^3	4.91	H3.N.O3.S.Na	L	
2809	Sodium sulfate, anhydrous	7757-82-6	142.04	mg/m^3	5.81	Na2O4S	S	888
2810	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	56.06	mg/m^3	2.29	HNaS	S	350
2811	Sodium sulfide	1313-82-2	78.04	mg/m^3	3.19	Na2S	S deliq	1172
2812	Sodium sulfide nonahydrate	1313-84-4	240.22	mg/m^3	9.82	Na2.S.9H2O	S	~50
2813	Sodium sulfite	7757-83-7	126.04	mg/m^3	5.15	Na2O3S	S	dec
2814	Sodium tartrate dihydrate	6106-24-7	230.082	mg/m^3	9.40	C4.H8.Na2.O8	S	150 dehydrat
2815	Sodium tellurate	10101-83-4	237.58	mg/m^3	9.71	2Na.Te.O4	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2794	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	200			1.77		04/14/04	04/15/07	12/31/11
2795	Sodium p-tert-amylphenate; (4-(1,1-Dimethylpropyl)phenol, sodium salt)	31366-95-7						09/30/97	12/23/09	12/31/11
2796	Sodium pyrophosphate decahydrate	13472-36-1						04/14/04		12/31/11
2797	Sodium pyrophosphate, di-	7758-16-9				1.862		08/07/98	08/17/09	12/31/11
2798	Sodium pyruvate; (Pyruvic acid, sodium salt)	113-24-6						04/15/07	06/12/09	12/31/11
2799	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7						04/14/04	05/19/10	12/31/11
2800	Sodium selenate; (Disodium selenate)	13410-01-0				3.098		06/13/02	06/11/10	12/31/11
2801	Sodium selenite	10102-18-8						06/13/02	06/11/10	12/31/11
2802	Sodium silicate; (Sodium metasilicate)	6834-92-0				1.1 to 1.7 @ 15ºC		08/07/98	05/20/10	12/31/11
2803	Sodium stannate	12058-66-1						12/08/02	05/20/10	12/31/11
2804	Sodium stearate	822-16-2						08/07/98		12/31/11
2805	Sodium strontium phosphate	19553-80-1						12/08/02	06/12/09	
2806	Sodium succinate	150-90-3					36000	12/08/02		12/31/11
2807	Sodium succinate, hexahydrate	6106-21-4						10/11/05	10/11/05	12/31/11
2808	Sodium sulfamate	13845-18-6	104.4	15		1.2 - 1.3		01/02/09	01/28/09	12/31/11
2809	Sodium sulfate, anhydrous	7757-82-6				2.671		08/21/96	12/23/09	12/31/11
2810	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5						01/04/99		12/31/11
2811	Sodium sulfide	1313-82-2				1.856		01/10/01		12/31/11
2812	Sodium sulfide nonahydrate	1313-84-4	1124 dec			1.427 @ 16C		04/14/04		12/31/11
2813	Sodium sulfite	7757-83-7				2.633		08/07/98	06/12/09	12/31/11
2814	Sodium tartrate dihydrate	6106-24-7				1.8		04/15/07		12/31/11
2815	Sodium tellurate	10101-83-4						12/08/02	05/20/10	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2816	Sodium tellurite	10102-20-2	221.58	mg/m^3	9.06	Te.O3.2Na	S	
2817	Sodium tetrafluoroborate(1-)	13755-29-8	109.8	mg/m^3	4.49	B.F4.Na	S	322
2818	Sodium Tetrahydroxoaluminate	z-0123	118.	mg/m3	4.82	Na.Al.(OH)4	S	
2819	Sodium tetraphenyl borate	143-66-8	342.23	mg/m^3	13.99	C24H20BNa	S	
2820	Sodium thiosulfate	7772-98-7	158.1	mg/m^3	6.46	Na2O3S2	S	
2821	Sodium thiosulfate pentahydrate	10102-17-7	248.2	mg/m^3	10.14	H10Na2O8S2	S	48
2822	Sodium titanate	12034-34-3	141.84474	mg/m^3	5.80	Ti.Na2.O3	S	
2823	Sodium tolyltriazole; (1H-Benzotriazole, 4(or 5)-methyl-, sodium salt)	64665-57-2	156.14237	mg/m^3	6.38	C7.H7.N3.Na	L	-5 to -10
2824	Sodium tridecylbenzene sulfonate	26248-24-8	362.45	mg/m^3	14.81	C19.H3.Na.O3.S	S	
2825	Sodium triethylborohydride	17979-81-6	121.99	mg/m^3	4.99	(C2.H5)3Na.B.H	S	
2826	Sodium trihydrogen silicate	z-0076	118.096	mg/m^3	4.83	Na-H3-Si-O4	S	
2827	Sodium tripolyphosphate	7758-29-4	367.86	mg/m^3	15.03	Na5O10P3	Pwdr	622
2828	Sodium tungstate	13472-45-2	293.83	mg/m^3	12.01	Na2O4W	S	695
2829	Sodium tungstate dihydrate	10213-10-2	329.87	mg/m^3	13.48	2Na.W.O4.2 H2O	S	100 dec
2830	Sodium uranate; (Disodium uranate hexahydrate)	66018-57-3	742	mg/m^3	30.33	Na2.U2.O7.6(H2.O)	S	
2831	Sodium uranium oxide monohydrate; (Sodium uranate(VI) monohydrate)	10135-92-9	652.049	mg/m^3	26.65	Na2.U2.O7.H2.O	S	
2832	Sodium uranyl carbonate	z-0078	428.03364	mg/m^3	17.49	Na2.U.O2.(C.O3)2	S	
2833	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	199.24	mg/m^3	8.14	2Na.Zr.O3	S	
2834	Sodium-Potassium	11135-81-2	38.55	mg/m^3	1.58	KNa	L/S	
2835	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7		mg/m^3		[Unspecified]	L	-70
2836	Solvent Yellow 3	97-56-3	225.32	mg/m^3	9.21	C14H15N3	L	100

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2816	Sodium tellurite	10102-20-2						06/13/02	05/20/10	12/31/11
2817	Sodium tetrafluoroborate(1-)	13755-29-8	dec			2.47		10/11/05	06/12/09	12/31/11
2818	Sodium Tetrahydroxoaluminate	z-0123						07/22/10		12/31/11
2819	Sodium tetraphenyl borate	143-66-8						04/20/07	01/05/10	12/31/11
2820	Sodium thiosulfate	7772-98-7	dec					07/09/97	12/23/09	12/31/11
2821	Sodium thiosulfate pentahydrate	10102-17-7				1.69		12/30/95	12/23/09	12/31/11
2822	Sodium titanate	12034-34-3						07/11/07	06/12/09	12/31/11
2823	Sodium tolyltriazole; (1H-Benzotriazole, 4(or 5)-methyl-, sodium salt)	64665-57-2	~106			1.18 @ 20C		09/05/08		12/31/11
2824	Sodium tridecylbenzene sulfonate	26248-24-8						10/11/05	10/11/05	12/31/11
2825	Sodium triethylborohydride	17979-81-6				0.866		07/11/07	05/20/10	12/31/11
2826	Sodium trihydrogen silicate	z-0076						12/08/02	06/12/09	12/31/11
2827	Sodium tripolyphosphate	7758-29-4						01/04/99	06/12/09	12/31/11
2828	Sodium tungstate	13472-45-2				4.179		01/04/99	06/12/09	12/31/11
2829	Sodium tungstate dihydrate	10213-10-2				3.25		04/14/04	06/12/09	12/31/11
2830	Sodium uranate; (Disodium uranate hexahydrate)	66018-57-3						12/08/02	12/07/11	12/31/11
2831	Sodium uranium oxide monohydrate; (Sodium uranate(VI) monohydrate)	10135-92-9						01/04/99	12/07/11	12/31/11
2832	Sodium uranyl carbonate	z-0078						12/08/02	05/20/10	12/31/11
2833	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8						12/08/02	10/28/10	12/31/11
2834	Sodium-Potassium	11135-81-2						07/09/97	06/12/09	
2835	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7	150-210	1.5	25	0.75-0.85		08/21/96	06/12/09	12/31/11
2836	Solvent Yellow 3	97-56-3			7.5E-07			06/13/02		12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2837	**Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate; GD)**	**96-64-0**	182.2	ppm	7.45	C7H16FO2P	L	-42
2838	Sorbitan monolaurate; (D-Glucitol, 1,4-anhydro-, 6-dodecanoate)	5959-89-7	346.46	mg/m^3	14.16	C18.H34.O6		
2839	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8	1311.9	mg/m^3	53.62	C64.H128.O26	L	
2840	Sorbitan trioleate	26266-58-0	957.68	mg/m^3	39.14	C60.H108.O8	S	
2841	Sorbitan, monolaurate	1338-39-2	346.52	mg/m^3	14.16	C18.H34.O6	S	
2842	Sorbitan, monooleate	1338-43-8	428.68	mg/m^3	17.52	C24.H44.O6	L	
2843	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6		mg/m^3			L	
2844	Sorbitan, monostearate	1338-41-6	430.7	mg/m^3	17.60	C24.H46.O6	S	49-65
2845	Sorbitol, D-; (D-Glucitol)	50-70-4	182.2	mg/m^3	7.45	C6.H14.O6	S	97.5
2846	Soybean oil; (Glycine soja)	8001-22-7		mg/m^3			L	
2847	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5	332.32	mg/m^3	13.58	C20.H12.O5	S	314-316
2848	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	410.72	mg/m^3	16.79	C30.H50	L	-75
2849	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	260.49	mg/m^3	10.65	Sn.Cl4	L	-33
2850	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	189.59	mg/m^3	7.75	Cl2Sn	S	246
2851	Stannous octoate	301-10-0	405.12	mg/m^3	16.56	C16.H30.O4.Sn	S	
2852	Starch dust	9005-25-8		mg/m^3			S	dec
2853	**Stibine; (Antimony hydride)**	**7803-52-3**	124.78	ppm	5.10	H3Sb	G	-88
2854	Stilbene	588-59-0	180.26	mg/m^3	7.37	C14H12	S	124-125
2855	Stilbene 3; (Stilbene 420; Tinopal CBS; Disodium 4,4'-bis(2-sulfostyryl)biphenyl)	27344-41-8	562.58	mg/m^3	22.99	C28H20Na2O6S2	S	
2856	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	144	ppm	5.89	[Unspecified]	L	-70
2857	Strontium	7440-24-6	87.62	mg/m^3	3.58	Sr	S	777

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2837	**Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate; GD)**	**96-64-0**	167	0.4	25	1.022 @ 20C		01/10/01	05/20/10	10/11/05
2838	Sorbitan monolaurate; (D-Glucitol, 1,4-anhydro-, 6-dodecanoate)	5959-89-7						07/11/07	06/12/09	12/31/11
2839	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8						10/11/05	01/23/12	01/23/12
2840	Sorbitan trioleate	26266-58-0						07/11/07		12/31/11
2841	Sorbitan, monolaurate	1338-39-2						10/11/05		12/31/11
2842	Sorbitan, monooleate	1338-43-8				0.986		10/11/05	10/11/05	12/31/11
2843	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6				1.06-1.10		10/11/05	01/17/12	01/17/12
2844	Sorbitan, monostearate	1338-41-6				1.0		10/11/05	10/11/05	12/31/11
2845	Sorbitol, D-; (D-Glucitol)	50-70-4	105			1.489 @ 20C		04/14/04		12/31/11
2846	Soybean oil; (Glycine soja)	8001-22-7				0.922 @ 20		02/08/08	01/28/09	12/31/11
2847	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5						10/11/05	10/11/05	12/31/11
2848	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	285 @ 25 mm	2	240	0.858		06/13/02		12/31/11
2849	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	114.1	10	10	2.232		06/13/02	05/20/10	12/31/11
2850	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	623			2.71		08/07/98	06/12/09	12/31/11
2851	Stannous octoate	301-10-0				1.251		07/11/07	05/20/10	12/31/11
2852	Starch dust	9005-25-8				1.45		04/14/04	06/12/09	12/31/11
2853	**Stibine; (Antimony hydride)**	**7803-52-3**	-18.4	>760		2.26 @ -25C		01/04/99	06/12/09	12/31/11
2854	Stilbene	588-59-0	306-307			0.9707		08/07/98		12/31/11
2855	Stilbene 3; (Stilbene 420; Tinopal CBS; Disodium 4,4'-bis(2-sulfostyryl)biphenyl)	27344-41-8						01/10/01		12/31/11
2856	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	150-210	1.5	25	0.75 - 0.85 no temp	8000	08/21/96	05/20/10	12/31/11
2857	Strontium	7440-24-6	1382	7.5x10-3	523	2.64		09/30/97	12/23/09	12/31/11

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2858	Strontium carbonate	1633-05-2	147.6292	mg/m^3	6.03	Sr-C-O3	S	1494
2859	Strontium chloride	10476-85-4	158.52	mg/m^3	6.48	Sr.Cl2	S	874
2860	Strontium hydroxide	18480-07-4	121.63	mg/m^3	4.97	Sr-(OH)2	S	
2861	Strontium nitrate	10042-76-9	211.63	mg/m^3	8.65	N2O6Sr	S	570
2862	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	179.62	mg/m^3	7.34	Sr-(N-O2)2	S	
2863	Strontium oxalate	814-95-9	175.64	mg/m^3	7.18	Sr-C2-O4	S	
2864	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	452.80244	mg/m^3	18.51	Sr3-(P-O4)2	S	
2865	**Strontium phosphide**	**12504-13-1**	324.9	ppm	13.28	P2Sr3	S	
2866	Strontium sulfate	7759-02-6	185.7	mg/m^3	7.59	Sr-H2-SO4	S	1605
2867	Strychnine	57-24-9	334.41	mg/m^3	13.67	C21H22N2O2	S	287
2868	Strychnine sulfate (2:1)	60-41-3	383.49	mg/m^3	15.67	C21H22N2O2. 1/2H2O4S	S	200
2869	**Styrene**	**100-42-5**	104.15	ppm	4.26	C8H8	L	-30.65
2870	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	120.16	ppm	4.91	C8H8O	L	-36.7
2871	Styrene-allyl alcohol copolymer	25119-62-4		mg/m^3		(C8.H8.C3.H6.O)x	S	
2872	Styrene-divinylbenzene resin, chloromethylated, aminated with trimethylamine; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1		mg/m^3		(C22H28ClN)x	S	
2873	Styrenesulfonate), poly(sodium 4-	25704-18-1	70000	mg/m^3	2861.00	C8.H8.O3.S.Na)n	S	460 dec
2874	Succinic acid	110-15-6	118.1	mg/m^3	4.83	C4.H6.O4	S	185
2875	Succinic anhydride	108-30-5	100.08	mg/m^3	4.09	C4.H4.O3	S	119.6
2876	Succinimidyl-6-(beta-maleimidopropionamido)hexanoate; (SMPH)	z-0120		mg/m^3				
2877	Sucrose	57-50-1	342.34	mg/m^3	13.99	C12.H22.O11	S	185.5
2878	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6	847.02	mg/m^3	34.62	C40.H62.O19	S	

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2858	Strontium carbonate	1633-05-2	dec			3.5		12/08/02	06/12/09	12/31/11
2859	Strontium chloride	10476-85-4	1250			3.052		04/14/04	06/12/09	12/31/11
2860	Strontium hydroxide	18480-07-4						12/08/02	06/12/09	12/31/11
2861	Strontium nitrate	10042-76-9	645			2.99		12/30/95	12/23/09	12/31/11
2862	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9						12/08/02	06/12/09	
2863	Strontium oxalate	814-95-9						12/08/02	06/12/09	
2864	Strontium phosphate; (Strontium orthophosphate)	14414-90-5						12/08/02	06/12/09	12/31/11
2865	**Strontium phosphide**	**12504-13-1**						09/05/08	02/13/12	02/13/12
2866	Strontium sulfate	7759-02-6				3.71-3.97		12/08/02	06/12/09	12/31/11
2867	Strychnine	57-24-9	270 @ 5 mmHg	0	20	1.36 @ 20˚C		12/30/95	12/23/09	12/31/11
2868	Strychnine sulfate (2:1)	60-41-3	270 @ 5 mm	1E-08	25	1.36 @ 20C		12/08/02	06/12/09	12/31/11
2869	**Styrene**	**100-42-5**	145	7.5	28.6	0.9016	9000	11/30/92	06/23/10	08/26/07
2870	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	194.2	0.3	20	1.0469 @ 25 C		06/13/02		12/31/11
2871	Styrene-allyl alcohol copolymer	25119-62-4						10/11/05	06/12/09	12/31/11
2872	Styrene-divinylbenzene resin, chloromethylated, aminated with trimethylamine; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1						04/14/04	06/12/09	12/31/11
2873	Styrenesulfonate), poly(sodium 4-	25704-18-1				0.801		07/11/07		12/31/11
2874	Succinic acid	110-15-6	235			1.154 @ 15C		04/14/04		12/31/11
2875	Succinic anhydride	108-30-5	261	1	92	1.104		04/14/04		12/31/11
2876	Succinimidyl-6-(beta-maleimidopropionamido)hexanoate; (SMPH)	z-0120						01/15/09	01/28/09	12/31/11
2877	Sucrose	57-50-1				1.585 @ 17C		04/14/04	06/12/09	12/31/11
2878	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6				1.146		10/11/05	10/11/05	12/31/11

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2879	Sulfamic acid	5329-14-6	97.09	mg/m^3	3.97	H3NO3S	S	~ 205 dec
2880	Sulfanilamide	63-74-1	172.22	mg/m^3	7.04	C6.H8.N2.O2.S	S	165.5
2881	Sulfanilic acid	121-57-3	173.2	mg/m^3	7.08	C6.H7.N.O3.S	S	288
2882	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3		mg/m^3		[Unspecified]	L	
2883	Sulfonylbis-ethanol, 2,2'-	2580-77-0	154.19	mg/m^3	6.30	C4.H10.O4.S	L	
2884	Sulfosalicylic acid	97-05-2	218.19	mg/m^3	8.92	C7H6O6S	S	120
2885	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	254.2112	mg/m^3	10.39	C7.H10.O8.S	S	108-110
2886	Sulfotep; (TEDP)	3689-24-5	322.34	mg/m^3	13.17	C8H20O5P2S2	S	88
2887	Sulfur	7704-34-9	32.07	mg/m^3	1.31	S	S	95.3
2888	**Sulfur dioxide**	**7446-09-5**	64.06	ppm	2.62	O2S	G	-75.5
2889	Sulfur hexafluoride	2551-62-4	146.06	ppm	5.97	F6S	G	-51
2890	**Sulfur monochloride**	**10025-67-9**	135.02	ppm	5.52	Cl2S2	L	-77
2891	Sulfur pentafluoride	5714-22-7	254.12	ppm	10.39	F10S2	L	-53
2892	Sulfur tetrafluoride	7783-60-0	108.06	ppm	4.42	F4S	G	-121
2893	**Sulfur trioxide**	**7446-11-9**	80.06	mg/m^3	3.27	O3S	L	
2894	**Sulfuric acid**	**7664-93-9**	98.08	mg/m^3	4.01	H2O4S	L	10.31
2895	Sulfuric acid-d2; (Deuterosulfuric acid)	13813-19-9	100.09	mg/m^3	4.09	D2.S.O4.D2.O	L	
2896	Sulfurous acid	7782-99-2	82.08	mg/m^3	3.35	H2-S-O3	L	
2897	**Sulfuryl chloride**	**7791-25-5**	134.96	ppm	5.52	Cl2.O2.S	L	-54.1
2898	**Sulfuryl fluoride**	**2699-79-8**	102.06	ppm	4.17	F2O2S	G	-137
2899	Talc	14807-96-6	96.33	mg/m^3	3.94	H2O3Si 3/4Mg	S	
2900	Tall oil (alkyd resin)	68333-62-0		mg/m^3		[Unspecified]	L	

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2879	Sulfamic acid	5329-14-6				2.15	93000	09/30/97	12/24/09	12/31/11
2880	Sulfanilamide	63-74-1				1.08		04/14/04		12/31/11
2881	Sulfanilic acid	121-57-3				1.485		04/14/04	04/14/04	12/31/11
2882	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3						07/09/97	12/24/09	12/31/11
2883	Sulfonylbis-ethanol, 2,2'-	2580-77-0		23.5	20	1.236		01/03/08	07/19/08	12/31/11
2884	Sulfosalicylic acid	97-05-2						08/07/98		12/31/11
2885	Sulfosalicylic acid, dihydrate, crystal	5965-83-3						10/11/05	10/11/05	12/31/11
2886	Sulfotep; (TEDP)	3689-24-5	310	1.05E-04	20	1.19 @ 20C		12/08/02	10/26/09	12/31/11
2887	Sulfur	7704-34-9	444.61	7.5x10-3	102	2.07		09/30/97	12/24/09	12/31/11
2888	**Sulfur dioxide**	**7446-09-5**	-10.05	750	-10.3	2.619		11/30/92	12/24/09	10/11/05
2889	Sulfur hexafluoride	2551-62-4	1000 decomp	100		1.67 @ -100C		03/01/00	06/12/09	12/31/11
2890	**Sulfur monochloride**	**10025-67-9**	138	10	27.5	1.6885 @ 15.5C		03/01/00	06/12/09	
2891	Sulfur pentafluoride	5714-22-7	26.7	561	25	2.08 @ 0C		12/08/02	06/12/09	
2892	Sulfur tetrafluoride	7783-60-0	-38			1.95 @ -78C		03/01/00	06/12/09	12/31/11
2893	**Sulfur trioxide**	**7446-11-9**						01/04/99	05/20/10	
2894	**Sulfuric acid**	**7664-93-9**	337	7.5x10-3	72	1.8302		11/30/92	05/20/10	
2895	Sulfuric acid-d2; (Deuterosulfuric acid)	13813-19-9				1.86		07/11/07	06/12/09	06/12/09
2896	Sulfurous acid	7782-99-2				1.03		12/08/02		12/31/11
2897	**Sulfuryl chloride**	**7791-25-5**	69.1	100	17.8	1.6674		10/11/05	06/12/09	01/04/09
2898	**Sulfuryl fluoride**	**2699-79-8**	-55	12000	21	1.7 @ -55C		12/08/02	06/12/09	
2899	Talc	14807-96-6				2.58 - 3.83		09/30/97	12/24/09	12/31/11
2900	Tall oil (alkyd resin)	68333-62-0						09/30/97	12/24/09	12/31/11

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2901	Tantalum	7440-25-7	180.948	mg/m^3	7.40	Ta	S	2996
2902	Tantalum carbide	12070-06-3	192.96	mg/m^3	7.89	Ta.C	S	3875
2903	Tantalum(V) ethoxide	6074-84-6	406.251	mg/m^3	16.60	C10.H25.O5.Ta	L	20
2904	Tantalum(V) fluoride	7783-71-3	275.95	mg/m^3	11.28	F5Ta	S	96.8
2905	Tantalum(V) oxide	1314-61-0	441.9	mg/m^3	18.06	O5Ta2	S	1872
2906	Tartaric acid	87-69-4	150.1	mg/m^3	6.13	C4H6O6	S	170-172
2907	Tartaric acid, monopotassium salt	868-14-4	188.19	mg/m^3	7.69	C4.H5.O6-K	S	
2908	Tartaric acid, monosodium salt	526-94-3	172.08	mg/m^3	7.03	C4.H5.O6.Na		
2909	Technetium(IV) oxide	12036-16-7	130	mg/m^3	5.31	TcO2	S	
2910	Tellurium	13494-80-9	127.6	mg/m^3	5.22	Te	S	449.51
2911	Tellurium chloride	10026-07-0	269.4	mg/m^3	11.01	Cl4Te	?	224
2912	**Tellurium hexafluoride**	**7783-80-4**	241.59	ppm	9.87	F6Te	G	-37.6
2913	Tellurium oxide; (Tellurium dioxide)	7446-07-3	159.6	mg/m^3	6.52	O2Te	S	733
2914	Tellurous acid	10049-23-7	177.614	mg/m^3	7.26	H2-Te-O3	V	
2915	Terbium	7440-27-9	158.9254	mg/m^3	6.50	Tr	S	1356
2916	Terbium oxide	12036-41-8	365.849	mg/m^3	14.95	Tb2-O3	S	2410
2917	Terbium(III,IV) oxide	12037-01-3	747.6974	mg/m^3	30.56	Tb4.O7	S	2340
2918	Terbufos	13071-79-9	288.45	mg/m^3	11.79	C9.H21.O2.P.S3	L	-29
2919	Terephthalic acid	100-21-0	166.14	mg/m^3	6.79	C8.H6.O4	S	
2920	Terephthaloyl chloride	100-20-9	203.02	mg/m^3	8.30	C8H4O2.Cl2	S	83-84
2921	Terphenyl, p-	92-94-4	230.32	mg/m^3	9.41	C18H14	S	212-213
2922	Terphenyls; (Diphenylbenzene)	26140-60-3	230.32	mg/m^3	9.41	C18H14	S	

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2901	Tantalum	7440-25-7	5429			16.69		04/14/04	02/16/12	02/16/12
2902	Tantalum carbide	12070-06-3	5500			14.5		04/14/04	06/12/09	12/31/11
2903	Tantalum(V) ethoxide	6074-84-6	151			1.56		10/11/05	06/12/09	12/31/11
2904	Tantalum(V) fluoride	7783-71-3	229.5	100	130	4.74		08/07/98	06/12/09	12/31/11
2905	Tantalum(V) oxide	1314-61-0				8.2		08/07/98	06/12/09	12/31/11
2906	Tartaric acid	87-69-4				1.76		08/07/98		12/31/11
2907	Tartaric acid, monopotassium salt	868-14-4				1.954		10/11/05	10/11/05	12/31/11
2908	Tartaric acid, monosodium salt	526-94-3						10/11/05	10/11/05	12/31/11
2909	Technetium(IV) oxide	12036-16-7						12/08/02	06/12/09	12/31/11
2910	Tellurium	13494-80-9	988	0.75	502	6.232		12/30/95	12/24/09	12/31/11
2911	Tellurium chloride	10026-07-0	380			3.26		01/04/99	06/12/09	12/31/11
2912	**Tellurium hexafluoride**	**7783-80-4**	-38.9 subl	760	20	9.875		12/30/95	12/24/09	09/29/10
2913	Tellurium oxide; (Tellurium dioxide)	7446-07-3	1245			5.9		08/21/96	12/24/09	12/31/11
2914	Tellurous acid	10049-23-7						12/08/02	06/12/09	12/31/11
2915	Terbium	7440-27-9	3230			8.234		07/11/07	02/27/08	12/31/11
2916	Terbium oxide	12036-41-8				7.91		12/08/02	06/12/09	12/31/11
2917	Terbium(III,IV) oxide	12037-01-3						10/11/05	06/12/09	12/31/11
2918	Terbufos	13071-79-9	315	0.0003	25	1.105 @ 24C		12/08/02	06/12/09	12/31/11
2919	Terephthalic acid	100-21-0	300 subl			1.51		04/14/04	06/12/09	12/31/11
2920	Terephthaloyl chloride	100-20-9	266					06/13/02	07/18/08	12/31/11
2921	Terphenyl, p-	92-94-4	259 @ 45 mm			1.234		08/07/98	06/12/09	12/31/11
2922	Terphenyls; (Diphenylbenzene)	26140-60-3						12/08/02	06/12/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2923	Tert-butyl alcohol; (tert-Butanol)	75-65-0	74.14	ppm	3.03	C4H10O	L	25.5
2924	Tert-butyl benzoic acid, p-	98-73-7	178.25	mg/m^3	7.29	C11.H14.O2	S	164.5
2925	Tert-butyllithium	594-19-4	64.06	mg/m^3	2.62	C4.H9.Li	S subl @0.1C	
2926	Tert-butylphenol, p-; (Tert-butylphenol, 4-)	98-54-4	150.24	mg/m^3	6.14	C10.H14.O	S	99
2927	Tert-butylpyridine, 4-	3978-81-2	135.2084	mg/m^3	5.53	C9.H13.N	L	-41
2928	Tetraamminepalladium(II) nitrate	13601-08-6	298.54	mg/m^3	12.20	[(H3N)4Pd]9NO3)2	S	
2929	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	345.68	ppm	14.13	C2H2Br4	L	-1
2930	Tetrabutyl ammonium phosphate	5574-97-0	339.46	mg/m^3	13.87	C16H38NO4P		
2931	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	340.32	ppm	13.91	C6H36O4Ti	L	-55
2932	Tetrabutylammonium fluoride; (N,N,N-Tributyl-1-butanaminium, fluoride)	429-41-4	261.46	mg/m^3	10.69	C16.H36.N.F	L soln	
2933	Tetrabutylammonium hydroxide	2052-49-5	259.54	mg/m^3	10.61	C16.H36.N.H.O	L	25-40?
2934	Tetrabutylammonium nitrate	1941-27-1	304.54	mg/m^3	12.45	C16.H36.N.N.O3	S hygr	118-120
2935	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	203.82	ppm	8.33	C2.Cl4.F2	L/S	24.65
2936	Tetrachlorobenzene, 1,2,3,4-	634-66-2	215.88	mg/m^3	8.82	C6H2Cl4	S	46-47
2937	Tetrachlorobenzene, 1,2,4,5-	95-94-3	215.89	mg/m^3	8.82	C6H2Cl4	S	139.5
2938	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	305.97	mg/m^3	12.51	C12H4Cl4O2	S	227
2939	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	321.96	mg/m^3	13.16	C12H4Cl4O2	S	
2940	Tetrachloroethane (mixed isomers)	25322-20-7	167.85	ppm	6.86	C2H2Cl4		
2941	Tetrachloroethane, 1,1,1,2-	630-20-6	167.85	ppm	6.86	C2H2Cl4	L	-70.2
2942	Tetrachloroethane, 1,1,2,2-	79-34-5	167.85	ppm	6.86	C2H2Cl4	L	-42.4
2943	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8	303.84	ppm	12.42	C4Cl4F6	G	
2944	**Tetrachlorosilane; (Silicon chloride)**	**10026-04-7**	169.89	ppm	6.94	Cl4Si	L	-70

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2923	Tert-butyl alcohol; (tert-Butanol)	75-65-0	82.8	40	24.5	0.781	23000	01/04/99	06/14/10	12/31/11
2924	Tert-butyl benzoic acid, p-	98-73-7				1.142 @ 20C		10/11/05	06/12/09	12/31/11
2925	Tert-butyllithium	594-19-4	Subl @ 0.1 C					07/11/07		12/31/11
2926	Tert-butylphenol, p-; (Tert-butylphenol, 4-)	98-54-4	236-238	1	70	1.037		10/11/05	01/25/12	01/25/12
2927	Tert-butylpyridine, 4-	3978-81-2	196.5			0.915		07/11/07	06/12/09	12/31/11
2928	Tetraamminepalladium(II) nitrate	13601-08-6						12/08/02		12/31/11
2929	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	151 @ 54 mm			2.9638		01/04/99	06/13/09	12/31/11
2930	Tetrabutyl ammonium phosphate	5574-97-0						09/30/97	12/24/09	12/31/11
2931	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	292.4			0.998	20000	11/15/96	12/24/09	12/31/11
2932	Tetrabutylammonium fluoride; (N,N,N-Tributyl-1-butanaminium, fluoride)	429-41-4				0.953		07/11/07	06/13/09	12/31/11
2933	Tetrabutylammonium hydroxide	2052-49-5				0.968		04/14/04		12/31/11
2934	Tetrabutylammonium nitrate	1941-27-1						04/14/04		12/31/11
2935	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	92.8			1.6447		07/11/07	06/13/09	12/31/11
2936	Tetrachlorobenzene, 1,2,3,4-	634-66-2	254	0.039	25	1.7		01/10/01		12/31/11
2937	Tetrachlorobenzene, 1,2,4,5-	95-94-3	244.5	0.0054	25	1.858 @ 22˚C		08/21/96	12/08/11	12/31/11
2938	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9						09/30/97	12/24/09	12/31/11
2939	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5						01/04/99		12/31/11
2940	Tetrachloroethane (mixed isomers)	25322-20-7		1.33x10+1	25		220000	09/30/97	12/24/09	12/31/11
2941	Tetrachloroethane, 1,1,1,2-	630-20-6	130.2	7.5	17	1.5406 @ 20˚C	49000	12/30/95	12/28/09	12/31/11
2942	Tetrachloroethane, 1,1,2,2-	79-34-5	145.2	7.5	32.4	1.5953 @ 20˚C		12/30/95	12/28/09	12/31/11
2943	Tetrachlorohexafluorobutane, 2,2,3,3-; (FLON; CFC316)	375-34-8						12/08/02		12/31/11
2944	**Tetrachlorosilane; (Silicon chloride)**	**10026-04-7**	57.57			1.482		01/04/99	06/23/10	

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2945	Tetracosafluorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	624.0936	mg/m^3	25.51	C14-F24	L	
2946	Tetracyanoquinodimethane	1518-16-7	204.2	mg/m^3	8.35	C12H4N4	S	293.5 subl
2947	Tetracycline hydrochloride	64-75-5	280.94	mg/m^3	11.48	C22H24N2O8.ClH	S	170-175
2948	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	338.06	ppm	13.82	C6.F14	L	-88.2
2949	Tetradecane; (n-Tetradecane)	629-59-4	198.44	ppm	8.11	C14-H30	L	5.5
2950	Tetradecanoic acid; (Myristic acid)	544-63-8	228.36	mg/m^3	9.33	C14-H28-O2	S	54
2951	Tetradecyltrimethylammonium bromide	1119-97-7	336.47	mg/m^3	13.75	C17.H38.N-Br	S	245-250
2952	Tetraethyl lead	78-00-2	323.47	mg/m^3	13.22	C8H20Pb	L	125-150
2953	**Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)**	**78-10-4**	208.33	ppm	8.51	C8H20O4Si	L	-82.5
2954	Tetraethyl pyrophosphate; (TEPP)	107-49-3	290.22	mg/m^3	11.86	C8.H20.O7.P2	L	0
2955	Tetraethylammonium chloride	56-34-8	165.74	mg/m^3	6.77	C8.H20.N.Cl	S hygr.	39
2956	Tetraethylene glycol	112-60-7	194.26	mg/m^3	7.94	C8.H18.O5	L	-6
2957	Tetraethylene glycol diacrylate	17831-71-9	302.36	mg/m^3	12.36	C14.H22.O7	S	112
2958	Tetraethylenepentamine	112-57-2	189.36	mg/m^3	7.74	C8H23N5	L	-40
2959	Tetraethyltin; (Tetraethylstannane)	597-64-8	234.97	mg/m^3	9.60	Sn.C8H20	L	-112
2960	**Tetrafluoroethane, 1,1,1,2-; (HFC 134a)**	**811-97-2**	102.04	ppm	4.17	C2H2F4	G	
2961	Tetrafluoroethane, 1,1,2,2-; (HFC 134)	359-35-3	102.031	ppm	4.17	C2.H2.F4	G	-89
2962	**Tetrafluoroethylene**	**116-14-3**	100.02	ppm	4.09	C2F4	G	-131.15
2963	Tetrafluorohydrazine	10036-47-2	104	ppm	4.25	F2NNF2	G	-163
2964	Tetrahydro-2,5-dimethyl furan	1003-38-9	100.18	mg/m^3	4.09	C6H12O	L	
2965	**Tetrahydrofuran**	**109-99-9**	72.11	ppm	2.95	C4H8O	L	-108.44
2966	Tetrahydrofuran-d8	1693-74-9	80.1554	ppm	3.28	C4.D8.O	L	-106

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2945	Tetracosafluorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	217					04/14/04	06/14/10	12/31/11
2946	Tetracyanoquinodimethane	1518-16-7						01/10/01		12/31/11
2947	Tetracycline hydrochloride	64-75-5	214 decom					06/13/02		12/31/11
2948	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	56.6			1.6995 @ 20C		10/11/05	10/11/05	12/31/11
2949	Tetradecane; (n-Tetradecane)	629-59-4	253.7	0.0116	25	0.7628 @ 20C	5000	12/08/02	12/08/11	12/08/11
2950	Tetradecanoic acid; (Myristic acid)	544-63-8	326.2			0.8622 @ 54C		12/08/02		12/31/11
2951	Tetradecyltrimethylammonium bromide	1119-97-7						10/11/05	10/11/05	12/31/11
2952	Tetraethyl lead	78-00-2	198-202	1	38.4	1.65918	18000	08/07/98	06/13/09	12/31/11
2953	**Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)**	**78-10-4**	168.8	7.5	21.6	0.9320 @ 20˚C	13000	11/15/96	06/23/10	06/13/09
2954	Tetraethyl pyrophosphate; (TEPP)	107-49-3	310	0.00047	25	1.2		12/08/02	06/14/10	12/31/11
2955	Tetraethylammonium chloride	56-34-8				1.08		10/11/05	10/11/05	12/31/11
2956	Tetraethylene glycol	112-60-7	327.3	1	153.9	1.1248 @ 20C		04/14/04	06/13/09	12/31/11
2957	Tetraethylene glycol diacrylate	17831-71-9				1.125		07/11/07	06/13/09	12/31/11
2958	Tetraethylenepentamine	112-57-2	333	<0.01	20	0.998	8000	01/04/99	06/13/09	12/31/11
2959	Tetraethyltin; (Tetraethylstannane)	597-64-8	181	2	25	1.187 @ 23C		06/13/02	06/13/09	12/31/11
2960	**Tetrafluoroethane, 1,1,1,2-; (HFC 134a)**	**811-97-2**	-26.2	96	25	1.21 (L)		01/04/99	06/13/09	10/11/05
2961	Tetrafluoroethane, 1,1,2,2-; (HFC 134)	359-35-3	-19.9					07/11/07	06/13/09	06/13/09
2962	**Tetrafluoroethylene**	**116-14-3**	-75.9	750	-75.8	1.519 @ -76˚C	100000	11/30/92	12/28/09	
2963	Tetrafluorohydrazine	10036-47-2	-73			1.5 @ -100C		12/08/02	06/14/10	12/31/11
2964	Tetrahydro-2,5-dimethyl furan	1003-38-9						03/01/00	02/08/12	12/31/11
2965	**Tetrahydrofuran**	**109-99-9**	65	75	9	0.8833	15000	12/30/95	12/28/09	10/11/05
2966	Tetrahydrofuran-d8	1693-74-9	65-66			0.985		07/11/07	06/14/10	06/13/09

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2967	Tetrahydromethyl-1,3-isobenzofurandione, 3A,4,7,7A-; (Methyltetrahydrophthalic anhydride)	26590-20-5	166.19	mg/m^3	6.792414	C9.H10.O3	S	
2968	Tetrahydronaphthalene, 1,2,3,4-; (Tetralin)	119-64-2	132.22	ppm	5.40	C10.H12	L	-31
2969	Tetrahydropyridine, 1,2,3,6-	694-05-3	83.13	ppm	3.40	C5.H9.N	L	-48
2970	Tetramethoxypropane, 1,1,3,3-; (Malonaldehyde bis(dimethyl acetal))	102-52-3	164.2	mg/m^3	6.71	C7.H16.O4	S	
2971	**Tetramethoxysilane; (Methyl silicate)**	**681-84-5**	152.22	ppm	6.22	C4H12O4Si	L	-1
2972	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	89.02	mg/m^3	3.64	C4.H12.N.B.H4	S	150
2973	Tetramethyl ethylene diamine	110-18-9	116.24	ppm	4.75	C6.H16.N2	L	-55
2974	Tetramethyl lead	75-74-1	267.35	mg/m^3	10.93	C4H12Pb	L	-27.5
2975	Tetramethyl-1,3-butanediamine, N,N,N',N'-; (Tetramethyl butanediamine)	97-84-7	144.3	mg/m^3	5.90	C8H20N2	L	
2976	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	184.28	mg/m^3	7.53	C11.H20.O2	L	
2977	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	226.36	mg/m^3	9.25	C14H26O2	L or S	47
2978	Tetramethylammonium chloride	75-57-0	109.62	mg/m^3	4.48	C4.H12.N.Cl	S hygr.	> 300
2979	Tetramethylammonium hydroxide	75-59-2	91.18	mg/m^3	3.73	C4H13NO	L	
2980	Tetramethylammonium hydroxide pentahydrate	10424-65-4	181.2288	mg/m^3	7.41	C4.H23.N.O6	S	65
2981	Tetramethylammonium silicate	53116-81-7	211.32	mg/m^3	8.64	(C.H3)4.N(O.H).2Si.O2	L soln	
2982	Tetramethylbenzene, 1,2,3,5-	527-53-7	134.24	mg/m^3	5.49	C10.H14	L	-24
2983	Tetramethylbenzene, 1,2,4,5-	95-93-2	134.24	mg/m^3	5.49	C10.H14	S	79.3
2984	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7	240.38	mg/m^3	9.82	C16.H20.N2	S	168-169.5
2985	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	120.18	mg/m^3	4.91	C4.H8.O2.S	L/S	27.4-27.8
2986	Tetramethylsilane	75-76-3	88.23	ppm	3.61	C4H12Si	L/S	-99
2987	**Tetranitromethane**	**509-14-8**	196.03	ppm	8.01	CN4O8	L	13.8
2988	Tetraoxadodecane, 2,5,8,11-	112-49-2	178.26	ppm	7.29	C8.H18.O4	L	-45

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2967	Tetrahydromethyl-1,3-isobenzofurandione, 3A,4,7,7A-; (Methyltetrahydrophthalic anhydride)	26590-20-5				1.2		08/29/08		12/31/11
2968	Tetrahydronaphthalene, 1,2,3,4-; (Tetralin)	119-64-2	207.2	1	38	0.981	8000	04/15/07	07/10/08	12/31/11
2969	Tetrahydropyridine, 1,2,3,6-	694-05-3	108			0.911		10/11/05	06/13/09	12/31/11
2970	Tetramethoxypropane, 1,1,3,3-; (Malonaldehyde bis(dimethyl acetal))	102-52-3	183			0.997		07/11/07		12/31/11
2971	**Tetramethoxysilane; (Methyl silicate)**	**681-84-5**	121	7.5	14.4	1.0232 @ 20˚C		09/30/97	12/28/09	
2972	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7				0.813		10/11/05	10/11/05	12/31/11
2973	Tetramethyl ethylene diamine	110-18-9	120 - 122			0.77		04/14/04	07/18/08	12/31/11
2974	Tetramethyl lead	75-74-1	110	0.2	20	1.99	18000	03/01/00	06/13/09	12/31/11
2975	Tetramethyl-1,3-butanediamine, N,N,N',N'-; (Tetramethyl butanediamine)	97-84-7						01/04/99		12/31/11
2976	Tetramethyl-3,5-heptanedione, 2,2,6,6-; (Dipivaloylmethane)	1118-71-4	93 @ 35 mm			0.883		07/11/07	06/13/09	12/31/11
2977	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	165 @ 40 mmHg					08/21/96	12/28/09	12/31/11
2978	Tetramethylammonium chloride	75-57-0						04/14/04		12/31/11
2979	Tetramethylammonium hydroxide	75-59-2				1	67000	01/04/99	10/07/08	12/31/11
2980	Tetramethylammonium hydroxide pentahydrate	10424-65-4						10/11/05	02/08/12	12/31/11
2981	Tetramethylammonium silicate	53116-81-7				1.07		07/11/07		12/31/11
2982	Tetramethylbenzene, 1,2,3,5-	527-53-7	197			0.896		06/26/07	01/09/12	01/09/12
2983	Tetramethylbenzene, 1,2,4,5-	95-93-2	196			0.838 @ 81C		10/11/05	01/19/12	02/16/12
2984	Tetramethylbenzidine, 3,3',5,5'-	54827-17-7						07/11/07		12/31/11
2985	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	285			1.261		07/11/07		12/31/11
2986	Tetramethylsilane	75-76-3	26-28			0.648		06/13/02	02/08/12	02/08/12
2987	**Tetranitromethane**	**509-14-8**	126.1	7.5	18	1.6380 @ 20˚C		12/30/95	12/28/09	12/31/11
2988	Tetraoxadodecane, 2,5,8,11-	112-49-2	216			0.986		10/11/05	10/11/05	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
2989	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Lauryl alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	362.5488	mg/m^3	14.82	C20.H42.O5	L	
2990	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	418.81	mg/m^3	17.12	C24H20AsCl	S	258-260
2991	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	444.64	mg/m^3	18.17	C10-H12-N2-O8.4K	S	
2992	Tetrapropoxysilane	682-01-9	264.43	mg/m^3	10.81	C12.H28.O4.Si	L	
2993	Tetrapropylammonium hydroxide	4499-86-9	203.42	mg/m^3	8.31	C12H29NO		
2994	Tetrapropylorthotitanate	3087-37-4	284.2178	mg/m^3	11.62	C12.H28.O4.Ti	S	206 @ 100mm
2995	Tetrasodium pyrophosphate	7722-88-5	265.9	mg/m^3	10.87	Na4O7P2	S	993
2996	Tetrazole, 1H-	288-94-8	70.05	mg/m^3	2.86	C.H2.N4	S	156-158
2997	Thallium	7440-28-0	204.38	mg/m^3	8.35	Tl	S	304
2998	Thallium chloride; (Thallium(I) chloride)	7791-12-0	239.84	mg/m^3	9.80	ClTl	S	431
2999	Thallium hydroxide	12026-06-1	221.39	mg/m^3	9.05	Tl-OH	S	139 dec
3000	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	266.39	mg/m^3	10.89	NO3Tl	S	206
3001	Thallium nitrite	13826-63-6	250.38	mg/m^3	10.23	Tl-N-O2	S	
3002	Thallium oxide	1314-12-1	424.77	mg/m^3	17.36	OTl2	S	579
3003	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	1526.25	mg/m^3	62.38	Tlx.SO4	S	632
3004	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	263.42	mg/m^3	10.77	Tl.C2H3O2	S	131
3005	Thallium(I) carbonate (2:1)	6533-73-9	468.78	mg/m^3	19.16	CO3Tl2	S	273
3006	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	504.8	mg/m^3	20.63	Tl2.SO4	S	632
3007	Thallium(III) oxide; (Thallium sesquioxide; Thallic oxide)	1314-32-5	456.77	mg/m^3	18.67	O3Tl2	S	834
3008	Thallium(III) perchlorate hexahydrate	15596-83-5	610.83	mg/m^3	24.97	Tl.(Cl.O4)3.6H2.O	S	
3009	Thallous malonate	2757-18-8	510.79	mg/m^3	20.88	2Tl.C3H2O4	S	
3010	Thenoyltrifluoroacetone	326-91-0	221.19	mg/m^3	9.04	C8H5F3O2S		42.8

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
2989	Tetraoxatetracosan-1-ol, 3,6,9,12-; ((Lauryl alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	247 @ 10C					04/14/04	06/13/09	12/31/11
2990	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8						01/04/99	06/13/09	12/31/11
2991	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2						12/08/02	06/13/09	
2992	Tetrapropoxysilane	682-01-9	94			0.913		07/11/07		12/31/11
2993	Tetrapropylammonium hydroxide	4499-86-9				1.012		08/07/98		12/31/11
2994	Tetrapropylorthotitanate	3087-37-4	170 @ 38C			1.04		10/11/05	06/13/09	12/31/11
2995	Tetrasodium pyrophosphate	7722-88-5				2.534		08/07/98	06/13/09	12/31/11
2996	Tetrazole, 1H-	288-94-8						07/11/07	06/13/09	12/31/11
2997	Thallium	7440-28-0	1473	7.5x10-3	609	11.8		12/30/95	06/14/10	12/31/11
2998	Thallium chloride; (Thallium(I) chloride)	7791-12-0	720	7.5	504	7		11/15/96	06/14/10	12/31/11
2999	Thallium hydroxide	12026-06-1				7.44		12/08/02	06/14/10	12/31/11
3000	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	450 dec			5.55		09/30/97	06/14/10	12/31/11
3001	Thallium nitrite	13826-63-6				5.7		12/08/02	06/14/10	12/31/11
3002	Thallium oxide	1314-12-1	~1080			9.52		12/08/02	06/14/10	12/31/11
3003	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	decom			6.77		06/13/02	06/14/10	12/31/11
3004	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8				3.68		06/13/02	06/14/10	12/31/11
3005	Thallium(I) carbonate (2:1)	6533-73-9		<1E-6	25	7.11		11/15/96	06/14/10	12/31/11
3006	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	decom			6.77		06/13/02	07/06/10	12/31/11
3007	Thallium(III) oxide; (Thallium sesquioxide; Thallic oxide)	1314-32-5				10.2		12/30/95	06/14/10	12/31/11
3008	Thallium(III) perchlorate hexahydrate	15596-83-5						04/14/04	06/14/10	12/31/11
3009	Thallous malonate	2757-18-8						06/13/02	06/14/10	12/31/11
3010	Thenoyltrifluoroacetone	326-91-0	97 @ 8 mmHg					12/30/95	12/28/09	12/31/11

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3011	Thioacetamide	62-55-5	75.13	mg/m^3	3.07	C2H5NS	S	115.5
3012	Thioacetic acid	507-09-5	76.12	ppm	3.11	C2.H4.O.S	L fuming	<-17
3013	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	315.22	mg/m^3	12.88	C14.H12.Cl2.O2.S	S	
3014	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	106.17	mg/m^3	4.34	CH6N4S	S	164
3015	Thiocresol, p-; (p-Toluenethiol)	106-45-6	124.21	mg/m^3	5.08	C7.H8.S	S	43-44
3016	Thiocyanic acid, compound with guanidine (1:1); (Guanidine thiocyanate salt)	593-84-0	118.18	mg/m^3	4.83	C.H5.N3.C.H.N.S	S	114-117
3017	Thiodiglycol	111-48-8	122.2	mg/m^3	4.99	C4H10O2S	L	-16
3018	Thiofanox; (Dacamox)	39196-18-4	218.32	mg/m^3	8.92	C9H18N2O2S	S	57
3019	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	248.26	mg/m^3	10.15	C8H13N2O3PS	L	-1.7
3020	**Thionyl chloride**	**7719-09-7**	118.96	ppm	4.86	Cl2OS	L	-105
3021	Thiophosphoryl chloride	3982-91-0	169.38	mg/m^3	6.92	Cl3.P.S	L	-35
3022	Thiosemicarbazide	79-19-6	91.14	mg/m^3	3.73	CH5N3S	S	183
3023	Thiourea	62-56-6	76.12	mg/m^3	3.11	CH4N2S	S	178
3024	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	240.44	mg/m^3	9.83	C6H12N2S4	S	156
3025	Thorium	7440-29-1	232	mg/m^3	9.48	Th	S	1750
3026	Thorium hydroxide	13825-36-0	300.07	mg/m^3	12.26	Th(OH)4	S	
3027	Thorium nitrite	z-0079	416.03	mg/m^3	17.00	Th(NO2)4	S	
3028	Thorium oxalate	2040-52-0	444.03	mg/m^3	18.15	Th.C4.O8.2(H2.O)	S	300-400 dec.
3029	Thorium oxide; (Thorium dioxide)	1314-20-1	264	mg/m^3	10.79	O2Th	S	3390
3030	Thorium perchlorate	16045-17-3	331.4887	mg/m^3	13.55	Th.Cl.O4	S	
3031	Thorium(IV) nitrate	13823-29-5	480.04	mg/m^3	19.62	N4O12Th	S	500 dec
3032	Thulium	7440-30-4	168.934	mg/m^3	6.90	Tm	S	1545

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3011	Thioacetamide	62-55-5						12/30/95	12/28/09	12/31/11
3012	Thioacetic acid	507-09-5	93			1.064		07/11/07	01/23/12	01/23/12
3013	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	443	0.0000001	25			12/08/02	06/13/09	12/31/11
3014	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4						06/13/02	06/13/09	12/31/11
3015	Thiocresol, p-; (p-Toluenethiol)	106-45-6	195	0.807	25	1.2475 @ 55ºC		10/24/07		12/31/11
3016	Thiocyanic acid, compound with guanidine (1:1); (Guanidine thiocyanate salt)	593-84-0						04/14/04		12/31/11
3017	Thiodiglycol	111-48-8	164-166 @ 20mm			1.1847 @ 20ºC		01/10/01		12/31/11
3018	Thiofanox; (Dacamox)	39196-18-4		1.7x10-4	25			08/21/96	12/28/09	12/31/11
3019	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	80	0.003	30	1.204-1.210		12/08/02	06/13/09	12/31/11
3020	**Thionyl chloride**	**7719-09-7**	78.8	100	21.4	1.640 @ 15.5C		03/01/00	06/13/09	
3021	Thiophosphoryl chloride	3982-91-0	125	16,35	25	1.635		07/11/07	06/14/10	12/31/11
3022	Thiosemicarbazide	79-19-6						12/30/95	12/28/09	12/31/11
3023	Thiourea	62-56-6	dec	2.8x10-3	25	1.405		12/30/95	12/28/09	12/31/11
3024	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	129 @ 20ºC	0.000017	25	1.3		06/13/02	01/23/12	01/23/12
3025	Thorium	7440-29-1	4500			11.72		08/07/98	12/12/11	12/12/11
3026	Thorium hydroxide	13825-36-0						12/08/02	12/12/11	12/12/11
3027	Thorium nitrite	z-0079						12/08/02	12/12/11	12/12/11
3028	Thorium oxalate	2040-52-0				4.637 @ 16ºC		10/11/05	12/12/11	12/12/11
3029	Thorium oxide; (Thorium dioxide)	1314-20-1	4400			9.7		08/07/98	12/12/11	12/12/11
3030	Thorium perchlorate	16045-17-3						10/11/05	12/12/11	12/12/11
3031	Thorium(IV) nitrate	13823-29-5						08/07/98	12/12/11	12/12/11
3032	Thulium	7440-30-4	1950			9.32		04/15/07	06/13/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
3033	Thulium chloride	13537-18-3	275.28	mg/m^3	11.25	Cl3Tm	S	824
3034	Thulium oxide	12036-44-1	385.87	mg/m^3	15.77	O3Tm2	S	2425
3035	Thymol blue; (6,6'-(3H-2,1-benzoxathiol-3-ylidene)dithymol, S,S-dioxide)	76-61-9	466.63	mg/m^3	19.07	C27H30O5S	S	223
3036	Thyodene; (Amylodextrin)	9005-84-9		mg/m^3		[Unknown]	S	
3037	Tin	7440-31-5	118.71	mg/m^3	4.85	Sn	S	231.9
3038	Tin fluoroborate	13814-97-6	292.297224	mg/m^3	11.95	B2.F8.Sn	S	
3039	Tin hydroxide	12026-24-3	152.73	mg/m^3	6.24	Sn-(OH)2	S	
3040	Tin nitrate	41480-79-9	242.68	mg/m^3	9.92	Sn-(N-O3)2	S	
3041	Tin nitrite	100737-27-7	210.69	mg/m^3	8.61	Sn-(N-O2)2	S	
3042	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	225.63	mg/m^3	9.22	Sn.Cl.2H2.O	S	37.7
3043	Tin(II) oxide	1332-29-2	150.69	mg/m^3	6.16	Sn-O2	S	1630
3044	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	214.75	mg/m^3	8.78	Sn.S.O4	S	378 dec
3045	Tin(IV) isopropoxide	1184-61-8	415.1534	mg/m^3	16.97	C15.H36.O5.Sn	S	
3046	Tin(IV) oxide; (Stannic oxide)	18282-10-5	150.69	mg/m^3	6.16	Sn.O2	S	1630
3047	Titanium	7440-32-6	47.87	mg/m^3	1.96	Ti	S	1668
3048	Titanium aluminide	39410-63-4	74.8614	mg/m^3	3.06	Ti.Al	S	
3049	Titanium boride	12045-63-5	69.5	mg/m^3	2.84	Ti.B2	S	2593 - 2980
3050	Titanium carbide	12070-08-5	59.91	mg/m^3	2.45	Ti.C	S	3067
3051	Titanium chloride	7705-07-9	154.25	mg/m^3	6.30	Cl3Ti	L	-30
3052	Titanium hydride	7704-98-5	49.92	mg/m^3	2.04	Ti.H2		
3053	Titanium oxide; (Titanium dioxide)	13463-67-7	79.9	mg/m^3	3.27	O2Ti	S	1843
3054	**Titanium tetrachloride**	**7550-45-0**	189.68	ppm	7.75	Cl4Ti	L	-24.12

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3033	Thulium chloride	13537-18-3	1440					08/07/98		12/31/11
3034	Thulium oxide	12036-44-1				8.6		08/07/98	06/13/09	12/31/11
3035	Thymol blue; (6,6'-(3H-2,1-benzoxathiol-3-ylidene)dithymol, S,S-dioxide)	76-61-9						01/04/99	06/13/09	12/31/11
3036	Thyodene; (Amylodextrin)	9005-84-9						01/10/01	06/13/09	12/31/11
3037	Tin	7440-31-5	2602	7.5x10-3	1224	5.769		11/15/96	12/12/11	12/12/11
3038	Tin fluoroborate	13814-97-6						09/05/08	06/13/09	12/31/11
3039	Tin hydroxide	12026-24-3						12/08/02	06/13/09	12/31/11
3040	Tin nitrate	41480-79-9						12/08/02	06/13/09	12/31/11
3041	Tin nitrite	100737-27-7						01/03/08	06/13/09	12/31/11
3042	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	652			2.71		04/14/04	06/13/09	12/31/11
3043	Tin(II) oxide	1332-29-2	1800+ subl			6.95		08/07/98	06/01/09	12/31/11
3044	Tin(II) sulfate; (Stannous sulfate)	7488-55-3				4.15		04/14/04	06/13/09	12/31/11
3045	Tin(IV) isopropoxide	1184-61-8						10/11/05	06/13/09	12/31/11
3046	Tin(IV) oxide; (Stannic oxide)	18282-10-5	1800 dec			6.95		04/14/04	06/13/09	12/31/11
3047	Titanium	7440-32-6	3287	7.5x10-3	1709	4.506		12/30/95	12/28/09	12/31/11
3048	Titanium aluminide	39410-63-4						04/14/04	07/06/10	12/31/11
3049	Titanium boride	12045-63-5	3899			4.5 - 4.53		04/14/04	06/14/10	12/31/11
3050	Titanium carbide	12070-08-5	4820			4.93		04/14/04	06/13/09	12/31/11
3051	Titanium chloride	7705-07-9	136.4	10	21.3	1.772		08/07/98		12/31/11
3052	Titanium hydride	7704-98-5						06/13/02		12/31/11
3053	Titanium oxide; (Titanium dioxide)	13463-67-7	2500-3000			4.23		07/09/97	12/29/09	12/31/11
3054	**Titanium tetrachloride**	**7550-45-0**	136.45	1.31x10-2 atm	20	1.73		11/30/92	12/29/09	12/31/11

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

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
3055	Titanium(II) oxide	12137-20-1	63.88	mg/m^3	2.61	OTi	S	
3056	Titanium(III) fluoride	13470-08-1	104.88	mg/m^3	4.29	TiF3	S	1200
3057	Titanium-based alloy; (Titanium compounds)	z-0081		mg/m^3		[Unspecified]	S	
3058	**Toluene**	**108-88-3**	92.14	ppm	3.77	C7H8	L	-94.95
3059	Toluene diisocyanate (mixed isomers)	26471-62-5	174.16	ppm	7.12	C9H6N2O2	L	11-14
3060	Toluene diisocyanate, trimethylolpropane, epsilon-caprolactone polymer, methylated	71342-93-3		mg/m^3		(C9.H6.N2.O2.C6.H10.O2)x	S	
3061	**Toluene-2,4-diisocyanate; (TDI)**	**584-84-9**	174.16	ppm	7.12	C9H6N2O2	L or S	20.5
3062	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	122.19	mg/m^3	4.99	C7H10N2	S	105
3063	**Toluene-2,6-diisocyanate**	**91-08-7**	174.17	ppm	7.12	C9H6N2O2	L	
3064	Toluene-d8; (Deuterated toluene)	2037-26-5	100.189	ppm	4.09	C7.D8	L	-84
3065	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	122.17	ppm	4.99	C7H10N2	S	99
3066	Toluenesulfonamide, p-; (Pasam)	70-55-3	171.23	mg/m^3	7.00	C7.H9.N.O2.S		138 (anhyd); 105 (hydrate)
3067	Toluenesulfonic acid, methyl ester, p-	80-48-8	186.24	mg/m^3	7.61	C8.H10.O3.S	S	27.5
3068	Toluenesulfonyl chloride, p-	98-59-9	190.64	mg/m^3	7.79	C7.H7.Cl.O2.S	S hygr	69 - 71
3069	Toluenesulphonic acid monohydrate, para-; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	190.23	mg/m^3	7.77	C7.H8.O3.S	S	107
3070	Toluenethiol, m-	108-40-7	124.21	mg/m^3	5.08	C7H8S		
3071	Toluidine, m-; (3-Methylaniline)	108-44-1	107.17	ppm	4.38	C7H9N	L	-43.6
3072	Toluidine, o-	95-53-4	107.15	ppm	4.38	C7H9N	L	-14.41
3073	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	107.17	mg/m^3	4.38	C7.H9.N	L	42
3074	Toxaphene; (Chlorinated camphene)	8001-35-2	414	mg/m^3	16.92	C10H10Cl8	S	65-90
3075	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	125	ppm	5.11	C4H6Cl2	L	35797

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3055	Titanium(II) oxide	12137-20-1						01/10/01	06/13/09	12/31/11
3056	Titanium(III) fluoride	13470-08-1	1400			3.4		08/07/98	06/13/09	12/31/11
3057	Titanium-based alloy; (Titanium compounds)	z-0081						08/07/98	06/13/09	12/31/11
3058	**Toluene**	**108-88-3**	110.63	7.5	1.5	0.8623	11000	11/30/92	06/23/10	10/11/05
3059	Toluene diisocyanate (mixed isomers)	26471-62-5	251	2.3x10-2	25	1.22 ± 0.01	9000	03/01/00		12/31/11
3060	Toluene diisocyanate, trimethylolpropane, epsilon-caprolactone polymer, methylated	71342-93-3						08/17/07	06/14/09	12/31/11
3061	**Toluene-2,4-diisocyanate; (TDI)**	**584-84-9**	251	7.5x10-2	39	1.2244 @ 20˚C	9000	12/30/95	12/29/09	10/11/05
3062	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5			2.13 kPa			06/13/02		12/31/11
3063	**Toluene-2,6-diisocyanate**	**91-08-7**	129-133 @18mm					03/01/00	04/03/09	
3064	Toluene-d8; (Deuterated toluene)	2037-26-5	110			0.94		07/11/07	06/13/09	06/13/09
3065	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	292	0.75	100.4			09/30/97	06/14/10	12/31/11
3066	Toluenesulfonamide, p-; (Pasam)	70-55-3	221 @ 10 mm Hg	0.000096	25			10/11/05	06/13/09	12/31/11
3067	Toluenesulfonic acid, methyl ester, p-	80-48-8	144.5 @5mm			1.230-1.238		10/11/05	10/11/05	12/31/11
3068	Toluenesulfonyl chloride, p-	98-59-9	152 @ 20 mm	1	88	1.33		04/14/04	02/07/08	12/31/11
3069	Toluenesulphonic acid monohydrate, para-; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	140 @ 20 mm					04/14/04		12/31/11
3070	Toluenethiol, m-	108-40-7						01/04/99		12/31/11
3071	Toluidine, m-; (3-Methylaniline)	108-44-1	203.3	1	41	0.989	11000	01/04/99	06/14/10	12/31/11
3072	Toluidine, o-	95-53-4	200.3	7.5x10-2	18.8	0.9984 @ 20ºC	15000	12/30/95	06/14/10	12/31/11
3073	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	200.4	1	42	1.046 @ 20C	11000	06/13/02	06/14/10	12/31/11
3074	Toxaphene; (Chlorinated camphene)	8001-35-2	dec	6.69x10-6	20	1.65	11000	12/30/95	12/29/09	
3075	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	156	6	25	1.183 @ 25C	40000	12/08/02	06/13/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
3076	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6		mg/m^3			L	
3077	Tri(2-ethylhexyl) phosphate; (Tris(2-ethylhexyl)phosphate)	78-42-2	434.72	mg/m^3	17.77	C24H51O4P	L	-74
3078	Triacetin; (Triacetyl glycerin)	102-76-1	218.23	mg/m^3	8.92	C9H14O6	L	-78
3079	Triamiphos	1031-47-6	294.34	mg/m^3	12.03	C12H19N6OP	S	167-168
3080	Triaryl sulfonium chloride salts	109037-76-5	284.04	mg/m^3	11.61	C6H6Cl4S2	S	
3081	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4	219.33	mg/m^3	8.96	C9H21N3O3	S	
3082	Triazofos; (Triazophos)	24017-47-8	313.34	mg/m^3	12.81	C12H16N3O3PS	L	5
3083	Tribenzylamine	620-40-6	287.4036	mg/m^3	11.75	C21.H21.N	S	90-92
3084	Tributyl citrate	77-94-1	360.5	ppm	14.73	C18.H22.O7	L	-20
3085	Tributyl phosphate	126-73-8	266.31	ppm	10.88	C12H27O4P	L	-80
3086	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6	397.83	mg/m^3	16.26	C19H32Cl2P.Cl	S	114-120
3087	Tributyl-1-butanaminium iodide, N,N,N-; (Tetrabutylammonium iodide)	311-28-4	369.43	mg/m^3	15.10	C16.H36.N.I	S	146-148
3088	Tributylphosphine	998-40-3	202.36	ppm	8.27	C12.H27.P	L	
3089	Tributyltetradecylphosphonium chloride	81741-28-8		mg/m^3		[Unknown]	S	
3090	Trichloramine; (Nitrogen chloride)	10025-85-1	120.36	ppm	4.92	Cl3N	L	< -40
3091	**Trichloro(dichlorophenyl) silane; (Dichlorophenyltrichlorosilane)**	**27137-85-5**	280.43	ppm	11.46	C6H3Cl5Si	L	
3092	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	187.37	mg/m^3	7.66	C2Cl3F3	L	14.2
3093	Trichloro-2-nitrosobenzene, 1,3,5-	1196-13-0	210.44	mg/m3	8.60	C6.H2.Cl3.N.O	S	
3094	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	165.4	mg/m^3	6.76	C2H3Cl3O2	S	57
3095	Trichloroacetaldehyde; (Chloral)	75-87-6	147.39	mg/m^3	6.02	C2HCl3O	L	-57.5
3096	Trichloroacetic acid	76-03-9	163.38	ppm	6.68	C2HCl3O2	S del	57.7

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3076	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6	>154			0.889		04/14/04		12/31/11
3077	Tri(2-ethylhexyl) phosphate; (Tris(2-ethylhexyl)phosphate)	78-42-2	226.9	0.03	20	0.9077		08/07/98	01/20/09	12/31/11
3078	Triacetin; (Triacetyl glycerin)	102-76-1	258			1.161	10000	03/01/00		12/31/11
3079	Triamiphos	1031-47-6	400	0.0000001	25			12/08/02	06/13/09	12/31/11
3080	Triaryl sulfonium chloride salts	109037-76-5						09/30/97	12/29/09	12/31/11
3081	Triazine-1,3,5(2H,4H,6H)-triethanol, s-; (Onyxide 200)	4719-04-4						01/04/99		12/31/11
3082	Triazofos; (Triazophos)	24017-47-8	350	0.00001	25	1.25 @ 20ºC		12/08/02	06/13/09	12/31/11
3083	Tribenzylamine	620-40-6	380-390			0.9912		10/11/05	06/13/09	12/31/11
3084	Tributyl citrate	77-94-1	233 @ 20C			1.05		10/11/05	06/13/09	12/31/11
3085	Tributyl phosphate	126-73-8	289	75	205	0.9727		12/30/95	06/14/10	12/31/11
3086	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6						06/13/02		12/31/11
3087	Tributyl-1-butanaminium iodide, N,N,N-; (Tetrabutylammonium iodide)	311-28-4				1.2		10/11/05	10/11/05	12/31/11
3088	Tributylphosphine	998-40-3	240	16	121	0.812		07/11/07		12/31/11
3089	Tributyltetradecylphosphonium chloride	81741-28-8						06/13/02	06/13/09	12/31/11
3090	Trichloramine; (Nitrogen chloride)	10025-85-1	< 71	150	20	1.653		06/13/02	07/19/08	12/31/11
3091	**Trichloro(dichlorophenyl) silane; (Dichlorophenyltrichlorosilane)**	**27137-85-5**	260	70	25	1.562		12/08/02	06/13/09	
3092	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	45.8	360	25	1.579		01/10/01		12/31/11
3093	Trichloro-2-nitrosobenzene, 1,3,5-	1196-13-0						03/22/10	03/30/10	12/31/11
3094	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	96 dec	15	25	1.9081 @ 20ºC		11/15/96	12/30/09	12/31/11
3095	Trichloroacetaldehyde; (Chloral)	75-87-6	97.8	75	33.8	1.512 @ 20ºC		09/30/97	12/30/09	12/31/11
3096	Trichloroacetic acid	76-03-9	197.5	1	51	1.62		01/04/99	06/13/09	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
3097	Trichloroacetyl chloride	76-02-8	181.82	ppm	7.43	C2-Cl4-O	L	-146
3098	Trichlorobenzene, 1,2,3-	87-61-6	181.45	mg/m^3	7.42	C6H3Cl3	S	51.3
3099	Trichlorobenzene, 1,2,4-	120-82-1	181.45	ppm	7.42	C6H3Cl3	L or S	16.92
3100	**Trichloroethane, 1,1,1-; (Methyl chloroform)**	**71-55-6**	133.4	ppm	5.45	C2H3Cl3	L	-30.01
3101	Trichloroethane, 1,1,2-	79-00-5	133.4	ppm	5.45	C2H3Cl3	L	-36.3
3102	Trichloroethanol, 2,2,2-	115-20-8	149.4	mg/m^3	6.11	C2.H3.Cl3.O	S/L	17.8
3103	**Trichloroethylene**	**79-01-6**	131.39	ppm	5.37	C2HCl3	L	-84.7
3104	**Trichloroethylsilane; (Ethyl trichlorosilane)**	**115-21-9**	163.51	ppm	6.68	C2H5Cl3Si	L	-105.6
3105	Trichlorofluoromethane; (Fluorotrichloromethane; Freon 11)	75-69-4	137.37	ppm	5.61	CCl3F	L or G	-110.44
3106	Trichlorohydroxyethyl dimethylphosphonate; ((2,2,2-Trichloro-1-hydroxyethyl)dimethylphosphonate; Trichlorphon)	52-68-6	257.44	mg/m^3	10.52	C4.H8.C13.O4.P	S	83-84
3107	Trichloroisocyanuric acid	87-90-1	232.41	mg/m^3	9.50	C3.Cl3.N3.O3	S	235
3108	Trichloronaphthalene	1321-65-9	231.5	mg/m^3	9.46	C10.H5.Cl3	S	92.78
3109	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	333.6	mg/m^3	13.63	C10H12Cl3O2PS	L	
3110	Trichloronitrobenzene, 2,4,5-	89-69-0	226.44	mg/m3	9.25	C6.H2.Cl3.N.O2	S	57
3111	Trichlorophenol, 2,3,6-	933-75-5	197.44	mg/m^3	8.07	C6H3Cl3O	S	58
3112	Trichlorophenol, 2,4,5-	95-95-4	197.45	mg/m^3	8.07	C6H3Cl3O	S	69
3113	Trichlorophenol, 2,4,6-	88-06-2	197.45	mg/m^3	8.07	C6H3Cl3O	S	69
3114	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (Silvex)	93-72-1	269.51	mg/m^3	11.02	C9H7Cl3O3	S	181.6
3115	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	255.48	mg/m^3	10.44	C8H5Cl3O3	S	153
3116	**Trichlorophenylsilane**	**98-13-5**	211.55	ppm	8.65	C6H5ClSi	L	
3117	Trichloropropane, 1,2,3-	96-18-4	147.43	ppm	6.03	C3H5Cl3	L	-14.7

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3097	Trichloroacetyl chloride	76-02-8	114-116	21.32	25	1.629		04/15/07	06/13/09	12/31/11
3098	Trichlorobenzene, 1,2,3-	87-61-6	218.5	0.21	25	1.4533		09/30/97	12/30/09	12/31/11
3099	Trichlorobenzene, 1,2,4-	120-82-1	213.5	0.46	25	1.459	25000	12/30/95	12/30/09	12/31/11
3100	**Trichloroethane, 1,1,1-; (Methyl chloroform)**	**71-55-6**	74.09	75	14.2	1.3390 @ 20ºC	75000	12/30/95	12/30/09	10/11/05
3101	Trichloroethane, 1,1,2-	79-00-5	113.8	7.5	7	1.4397 @ 20ºC	60000	12/30/95	12/30/09	12/31/11
3102	Trichloroethanol, 2,2,2-	115-20-8	150	1	20	1.54		07/11/07		12/31/11
3103	**Trichloroethylene**	**79-01-6**	87.21	75	26.7	1.4642 @ 20ºC	79000	12/30/95	12/30/09	10/11/05
3104	**Trichloroethylsilane; (Ethyl trichlorosilane)**	**115-21-9**	97.9	47.18	25	1.24 @ 25ºC		06/13/02	06/13/09	
3105	Trichlorofluoromethane; (Fluorotrichloromethane; Freon 11)	75-69-4	23.7	750	23.3	1.4879 @ 20ºC		11/30/92	12/31/09	12/31/11
3106	Trichlorohydroxyethyl dimethylphosphonate; ((2,2,2-Trichloro-1-hydroxyethyl)dimethylphosphonate; Trichlorphon)	52-68-6	100 @ 1 mmHg			1.73 @ 20ºC		07/11/07	06/13/09	12/31/11
3107	Trichloroisocyanuric acid	87-90-1				> 1		09/17/07		12/31/11
3108	Trichloronaphthalene	1321-65-9	304.44 - 354.44			1.58		04/15/07	06/15/10	12/31/11
3109	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	360	20	25	1.365 @ 20ºC		12/08/02	06/13/09	12/31/11
3110	Trichloronitrobenzene, 2,4,5-	89-69-0	208					06/11/10	06/11/10	12/31/11
3111	Trichlorophenol, 2,3,6-	933-75-5	253					06/13/02	12/31/09	12/31/11
3112	Trichlorophenol, 2,4,5-	95-95-4	247	0.008	25	1.678		12/30/95	12/31/09	12/31/11
3113	Trichlorophenol, 2,4,6-	88-06-2	246	0.75	71.8	1.4901 @ 75ºC		12/30/95	12/31/09	12/31/11
3114	Trichlorophenoxy)propionic acid, 2-(2,4,5-; (Silvex)	93-72-1		9.97x10-6	25	1.2085 @ 20ºC		12/30/95	12/31/09	12/31/11
3115	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	dec	<0.01 mPa	20	1.80 @ 20ºC		12/30/95	06/15/10	12/31/11
3116	**Trichlorophenylsilane**	**98-13-5**	201			1.321 @ 25ºC		06/13/02	06/13/09	
3117	Trichloropropane, 1,2,3-	96-18-4	157	7.5	37	1.3889 @ 20ºC	32000	09/30/97	01/04/10	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

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3118	**Trichlorosilane**	**10025-78-2**	135.45	ppm	5.54	Cl3HSi	L	-128.2
3119	Trichlorotrifluoroethane; (Freon 113; CFC113)	76-13-1	187.38	ppm	7.66	C2Cl3F3	L	-36.22
3120	Tridecane	629-50-5	184.41	ppm	7.54	C13H28	L	-5.3
3121	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	521.9952	mg/m^3	21.33	C36.H75.N	L	16.4
3122	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	149.19	mg/m^3	6.10	C6H15NO3	S	20.5
3123	**Triethoxysilane**	**998-30-1**	164.28	ppm	6.71	C6H16O3Si		-170
3124	Triethoxyvinylsilane	78-08-0	190.35	ppm	7.78	C8.H18.O3.Si	L	
3125	Triethyl phosphate; (TEP)	78-40-0	182.18	mg/m^3	7.45	C6H15O4P	L	-56.4
3126	Triethyl phosphite	122-52-1	166.18	ppm	6.79	C6H15O3P	L	
3127	Triethylaluminum	97-93-8	114.19	mg/m^3	4.67	C6.H15.Al	L	-52.5
3128	Triethylamine	121-44-8	101.22	ppm	4.14	C6H15N	L	-114.8
3129	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9		mg/m^3				
3130	Triethylbenzene (mixed isomers)	25340-18-5	162.3	ppm	6.63	C12H18		-66.5
3131	Triethylene glycol	112-27-6	150.2	mg/m^3	6.14	C6H14O4	L	-4.3
3132	Triethylene glycol monomethyl ether	112-35-6	164.23	mg/m^3	6.71	C7H16O4	L	-44
3133	Triethylenetetramine	112-24-3	146.28	ppm	5.98	C6H18N4	L	12
3134	Triethylethanaminium hydroxide, N,N,N-; (Tetraethyl ammonium hydroxide)	77-98-5	147.3	mg/m^3	6.02	C8.H20.N.H.O	S solu-tion	
3135	Triethyloxonium tetrafluoroborate	368-39-8	190.02	mg/m^3	7.77	C6.H15.O.B.F4	S	
3136	Triethylphosphorothioate; (Tepto)	126-68-1	198.24	ppm	8.10	C6.H15.O3.P.S	L	
3137	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4-, boron difluoride	22502-27-8	272.01	mg/m^3	11.12	C8H6BF5O2S	S	
3138	Trifluoro-4-nitro-m-cresol, alpha,alpha,alpha-; (4-Nitro-3-(trifluoromethyl)phenol)	88-30-2	207.12	mg/m^3	8.47	C7.H4.F3.N.O3	S	76-79
3139	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4	116.05	mg/m^3	4.74	C2.H3.F3.O2		

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3118	**Trichlorosilane**	**10025-78-2**	33	750	31.6	1.331	12000	07/09/97	01/04/10	
3119	Trichlorotrifluoroethane; (Freon 113; CFC113)	76-13-1	47.7	750	47.3	1.5635		11/30/92	01/04/10	12/31/11
3120	Tridecane	629-50-5	235.4	0.056	25	0.7564		01/04/99		12/31/11
3121	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	220			0.824		04/14/04	08/17/07	12/31/11
3122	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	335.4	7.5x10-3	75	1.1242 @ 20ºC	10000	09/30/97	01/04/10	12/31/11
3123	**Triethoxysilane**	**998-30-1**	133.5	8.5	25	0.8745 @ 20ºC		06/13/02	06/13/09	
3124	Triethoxyvinylsilane	78-08-0	160.62 @ 20	2.25	20	0.901	30000	07/11/07	02/28/08	12/31/11
3125	Triethyl phosphate; (TEP)	78-40-0	215.5	0.39	25	1.0725 @ 19C	17000	01/04/99		12/31/11
3126	Triethyl phosphite	122-52-1	156			1.413	37000	03/01/00		12/31/11
3127	Triethylaluminum	97-93-8	194	4	83	0.837 @ 20C		04/14/04	06/13/09	12/31/11
3128	Triethylamine	121-44-8	89.5			0.7255	12000	01/04/99	06/13/09	12/31/11
3129	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9						07/11/07	06/13/09	12/31/11
3130	Triethylbenzene (mixed isomers)	25340-18-5	216	61.0-69.9	20	0.8631 @ 20ºC	6670	08/07/98		12/31/11
3131	Triethylene glycol	112-27-6	285	1	114	1.122	9000	01/04/99	06/17/10	12/31/11
3132	Triethylene glycol monomethyl ether	112-35-6	249			1.0494		01/04/99		12/31/11
3133	Triethylenetetramine	112-24-3	272	<0.01	20	0.982		01/04/99	06/13/09	12/31/11
3134	Triethylethanaminium hydroxide, N,N,N-; (Tetraethyl ammonium hydroxide)	77-98-5						10/11/05	10/11/05	12/31/11
3135	Triethyloxonium tetrafluoroborate	368-39-8						07/11/07	06/13/09	12/31/11
3136	Triethylphosphorothioate; (Tepto)	126-68-1	93.2-94			1.074		07/11/07	04/13/09	12/31/11
3137	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4-, boron difluoride	22502-27-8						08/07/98		12/31/11
3138	Trifluoro-4-nitro-m-cresol, alpha,alpha,alpha-; (4-Nitro-3-(trifluoromethyl)phenol)	88-30-2	135-138					07/11/07		12/31/11
3139	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4						07/11/07		12/31/11

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3140	Trifluoroacetic acid anhydride	407-25-0	210.04	mg/m^3	8.58	C4.F6.O3	L	-65
3141	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	114.03	ppm	4.66	C2HF3O2	L	-15.25
3142	Trifluoroacetyl chloride	354-32-5	132.47	ppm	5.41	C2ClF3O	L	
3143	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	100.05	ppm	4.09	C2.H3.F3.O	L	-44
3144	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	150.08	ppm	6.13	C.H.F3.O3.S	L	-40
3145	Trifluoromethanesulfonic anhydride	358-23-6	282.14	mg/m^3	11.53	(C.F3.S.O2)2O	L	
3146	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	195.91	ppm	8.01	C.F3.I	G	<-78
3147	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	161.14	mg/m^3	6.59	C7H6F3N	L	3
3148	Trifluralin; (2,6-Dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine)	1582-09-8	335.28	mg/m^3	13.70	C13H16F3N3O4	S	49
3149	Triisobutylaluminum	100-99-2	198.3	mg/m^3	8.10	(C4.H9)3.Al	L	6
3150	Trimethoxy(3,3,3-trifluoropropyl)silane	429-60-7	218.2481	mg/m^3	8.92	C8.H13.F3.O3.Si	S	
3151	Trimethoxyboroxine	102-24-9	173.55	mg/m^3	7.09	C3.H9.B3.O6	S	
3152	**Trimethoxysilane**	**2487-90-3**	122.2	ppm	4.99	C3H10O3Si	L	-115
3153	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	179.29	mg/m^3	7.33	C6.H17.N.O3.Si	L	
3154	Trimethoxysilyl-1-propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	196.37	mg/m^3	8.03	C6.H16.03.S.Si	L	
3155	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	248.39	mg/m^3	10.15	C10.H20.O5.Si	L	<-50
3156	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	222.41	mg/m^3	9.09	C8.H22.N2.O3.Si	L	
3157	Trimethoxyvinylsilane; (Vinyltrimethoxysilane; Silane, trimethoxyvinyl-)	2768-02-7	148.26	ppm	6.06	C5.H12.O3.Si	L	
3158	Trimethyl borate	121-43-7	103.93	ppm	4.25	C3.H9.B.O3	L	-29
3159	Trimethyl phosphate; (TMP)	512-56-1	140.09	ppm	5.73	C3H9O4P	L	
3160	**Trimethyl phosphite**	**121-45-9**	124.09	ppm	5.07	C3H9O3P	L	-78
3161	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4	216.36	mg/m^3	8.84	C12H24O3		

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3140	Trifluoroacetic acid anhydride	407-25-0	39.5			1.49		10/11/05	06/13/09	12/31/11
3141	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	71.1			1.535		01/04/99		12/31/11
3142	Trifluoroacetyl chloride	354-32-5						12/08/02	06/17/10	12/31/11
3143	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	103 - 105			1.288		04/14/04	06/13/09	12/31/11
3144	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	162			1.696		07/11/07		12/31/11
3145	Trifluoromethanesulfonic anhydride	358-23-6	81-83	8	20	1.677		04/15/07		12/31/11
3146	Trifluoromethyl iodide; (Iodotrifluoromethane)	2314-97-8	-22.5			2.3607 @ 32ºC		07/11/07		12/31/11
3147	Trifluoromethyl)benzenamine, 3-(; (m-Aminobenzal fluoride)	98-16-8	189			1.303		04/15/07	06/13/09	12/31/11
3148	Trifluralin; (2,6-Dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine)	1582-09-8	140 @ 4.2 mmHg	4.58x10-5	25	1.36 @ 22ºC		09/30/97	01/04/10	12/31/11
3149	Triisobutylaluminum	100-99-2	86 @ 10 mm	1	47	0.7859 @ 20ºC		04/14/04	06/13/09	12/31/11
3150	Trimethoxy(3,3,3-trifluoropropyl)silane	429-60-7						04/15/07	06/13/09	12/31/11
3151	Trimethoxyboroxine	102-24-9				1.4		04/14/04		12/31/11
3152	**Trimethoxysilane**	**2487-90-3**	32 @ 100 mmHg	76	25	0.860 @ 20ºC		11/15/96	01/04/10	04/15/07
3153	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5						10/11/05	06/13/09	12/31/11
3154	Trimethoxysilyl-1-propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	93-94			1.015		10/11/05	04/13/09	12/31/11
3155	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	190			1.045		10/11/05	01/17/12	01/17/12
3156	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	146 @ 15 mm			1.01		07/11/07		12/31/11
3157	Trimethoxyvinylsilane; (Vinyltrimethoxysilane; Silane, trimethoxyvinyl-)	2768-02-7	123			1.13		07/11/07		12/31/11
3158	Trimethyl borate	121-43-7	68	137	25	0.92 @ 20C		10/11/05	06/13/09	12/31/11
3159	Trimethyl phosphate; (TMP)	512-56-1	197.2			1.97 @ 19.5C		03/01/00		12/31/11
3160	**Trimethyl phosphite**	**121-45-9**	111-112			1.046	22000	03/01/00	08/17/07	09/28/10
3161	Trimethyl-1,3-pentanediol monoisobutyrate, 2,2,4-; (Texanol)	25265-77-4					6000	01/04/99	06/13/09	12/31/11

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3162	Trimethyl-1-pentene, 2,4,4-; (Diisobutylene)	107-39-1	112.2144	ppm	4.59	C8.H16	L	-93.5
3163	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	264.36	mg/m^3	10.80	C13.H28.O5		
3164	Trimethyl-2-hexene, 4,4,5-	55702-61-9	126	mg/m^3	5.15	(CH3)3-C6-H9		
3165	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, epsilon-lactone)	64047-30-9	156.25	mg/m^3	6.39	C9.H16.O2		
3166	Trimethylacetic acid; (Pivalic acid)	75-98-9	102.15	mg/m^3	4.18	C5.H10.O2	S	35.5
3167	**Trimethylacetyl chloride; (Pivaloyl chloride)**	**3282-30-2**	120.59	ppm	4.93	C5.H9.Cl.O	L	
3168	Trimethylaluminum	75-24-1	72.09	mg/m^3	2.95	C3.H9.Al	S	15
3169	**Trimethylamine**	**75-50-3**	59.11	ppm	2.42	C3H9N	G	-117.1
3170	Trimethylaniline, 2,4,6-	88-05-1	135.23	mg/m^3	5.53	C9H13N	L	-5
3171	**Trimethylbenzene, 1,2,3-**	**526-73-8**	120.19	ppm	4.91	C9H12	L	-25.4
3172	**Trimethylbenzene, 1,2,4-; (Pseudocumene)**	**95-63-6**	120.19	ppm	4.91	C9H12	L	-43.77
3173	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (alpha-Pinene)	80-56-8	136.26	ppm	5.57	C10H16	L	-55
3174	**Trimethylchlorosilane**	**75-77-4**	108.66	ppm	4.44	C3H9ClSi	L	-40
3175	Trimethyldecane, 2,2,3-	62338-09-4	184	ppm	7.52	C13-H28	L	
3176	Trimethyldecane, 2,2,8-	62238-01-1	184	ppm	7.52	C13H28	L	
3177	Trimethyldecane, 2,5,6-	62108-23-0	184	ppm	7.52	C13H28	L	
3178	Trimethylene oxide; (Oxetane)	503-30-0	58.09	mg/m^3	2.37	C3.H6.O	L	-97
3179	Trimethylgallium	1445-79-0	114.8	mg/m^3	4.69	C3.H9.Ga	L	-15.9
3180	Trimethylhexane, 2,2,5-	3522-94-9	128.29	ppm	5.24	C9-H20	L	
3181	Trimethyl-N'-(hydroxyethyl)-1,3-propanediamine, N,N,N'-; (2-((3-(Dimethylamino)propyl)methylamino)ethanol)	82136-26-3		mg/m^3				
3182	Trimethyloctane	98060-52-7	156.31	ppm	6.39	C11-.H24	G	
3183	Trimethyloctane, 2,2,6-	62016-28-8	156.31	ppm	6.39	C11-H24		

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3162	Trimethyl-1-pentene, 2,4,4-; (Diisobutylene)	107-39-1	101.4	44.7	25	0.715 @ 20C	7000	07/11/07	06/14/09	12/31/11
3163	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9						03/01/00	06/14/09	12/31/11
3164	Trimethyl-2-hexene, 4,4,5-	55702-61-9						03/01/00	06/14/09	12/31/11
3165	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, epsilon-lactone)	64047-30-9						08/07/98		12/31/11
3166	Trimethylacetic acid; (Pivalic acid)	75-98-9	163.8			0.91		07/11/07		12/31/11
3167	**Trimethylacetyl chloride; (Pivaloyl chloride)**	**3282-30-2**	107			1.003 @ 20ºC		10/11/05	01/22/10	12/31/11
3168	Trimethylaluminum	75-24-1	125-126	69.3	60	0.752		07/11/07	06/17/10	12/31/11
3169	**Trimethylamine**	**75-50-3**	2.87	750	2.6	0.627	20000	11/30/92	01/04/10	
3170	Trimethylaniline, 2,4,6-	88-05-1	232			0.96		06/13/02	06/14/09	12/31/11
3171	**Trimethylbenzene, 1,2,3-**	**526-73-8**	176.12	0.75	15	0.8944 @ 20ºC	8000	01/04/99	06/14/09	12/31/11
3172	**Trimethylbenzene, 1,2,4-; (Pseudocumene)**	**95-63-6**	169.38	0.75	11	0.8758 @ 20ºC	8000	08/21/96	01/04/10	12/31/11
3173	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (alpha-Pinene)	80-56-8	155	10	37.3	0.8592		01/04/99	03/30/10	12/31/11
3174	**Trimethylchlorosilane**	**75-77-4**	57			0.854	18000	08/07/98	01/22/10	01/22/10
3175	Trimethyldecane, 2,2,3-	62338-09-4					5500	03/01/00	06/14/09	08/17/07
3176	Trimethyldecane, 2,2,8-	62238-01-1					5500	12/08/02	06/14/09	
3177	Trimethyldecane, 2,5,6-	62108-23-0					5500	12/08/02	06/14/09	
3178	Trimethylene oxide; (Oxetane)	503-30-0	47.6	324	25	0.893		10/11/05	10/11/05	12/31/11
3179	Trimethylgallium	1445-79-0	55.7					07/11/07		12/31/11
3180	Trimethylhexane, 2,2,5-	3522-94-9	124			0.7072	8000	06/13/02	06/14/09	12/31/11
3181	Trimethyl-N'-(hydroxyethyl)-1,3-propanediamine, N,N,N'-; (2-((3-(Dimethylamino)propyl)methylamino)ethanol)	82136-26-3						09/05/08	06/13/09	12/31/11
3182	Trimethyloctane	98060-52-7	10.7	760	10.7	0.8711	6470	12/08/02	06/14/09	12/31/11
3183	Trimethyloctane, 2,2,6-	62016-28-8					6470	12/08/02	06/14/09	12/31/11

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3184	Trimethyloctane, 2,3,7-	62016-34-6	156.31	ppm	6.39	C11-H24		
3185	Trimethyloctane, 2,4,6-	62016-37-9	156.31	ppm	6.39	C11-H24		
3186	Trimethyloctane, 2,6,6-	54166-32-4	156.31	ppm	6.39	C11-H24		
3187	Trimethylolpropane ethoxylate	50586-59-9		mg/m^3		(C2.H4.O)n(C2.H4.O)n(C2.H4.O)n.C6.H14.O3	L	
3188	Trimethylolpropane phosphite	824-11-3	162.14	mg/m^3	6.63	C6-H11-O3-P	S	56
3189	Trimethylphosphine	594-09-2	76.08	ppm	3.11	(C.H3)3.P	L	-85
3190	Trimethylpyridine, 2,4,6-	108-75-8	121.2	ppm	4.95	C8H11N		
3191	Trimethylsilanol	1066-40-6	90	ppm	3.68	C3-H10-O-Si		
3192	Trimethylsilylmethyllithium	1822-00-0	94.16	mg/m^3	3.85	(C.H3)3.Si.C.H2.Li	L	13.9
3193	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	199.26	mg/m^3	8.14	Sn.C3H9Cl	S	42
3194	Trimethyltriheptylamine, 6,6',6''-; (Triisooctylamine)	2757-28-0	353.76	mg/m^3	14.46	C24H51N		
3195	Tri-n-butylamine	102-82-9	185.4	ppm	7.58	C12.H27.N	L	-70
3196	Trinitrobenzene, 1,3,5-	99-35-4	213.1	mg/m^3	8.71	C6H3N3O6	S	122.9
3197	Trinitrochlorobenzene; (Picryl chloride)	28260-61-9	247.56	mg/m^3	10.12	C6H2ClN3O6	S	
3198	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	287.17	mg/m^3	11.74	C7H5N5O8	S	131-132
3199	Trinitrotoluene, 2,4,6-	118-96-7	227.15	mg/m^3	9.28	C7H5N3O6	S	82
3200	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	386.64	mg/m^3	15.80	C24H51OP		52
3201	Trioctylamine; (N,N-Dioctyl-1-octanamine)	1116-76-3	353.76	mg/m^3	14.46	C24H51N	L	
3202	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	370.72	mg/m^3	15.15	C24.H51.P	S	
3203	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	368.39	ppm	15.06	C21H21O4P	L	-25 -30
3204	Tripentaerythritol	78-24-0	372.41	mg/m^3	15.22	C15.H32.O10	S	225-240
3205	Triphenyl phosphate	115-86-6	326.3	mg/m^3	13.34	C18H15O4P	S	49-50

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3184	Trimethyloctane, 2,3,7-	62016-34-6					6470	12/08/02	06/14/09	12/31/11
3185	Trimethyloctane, 2,4,6-	62016-37-9					6470	12/08/02	06/14/09	12/31/11
3186	Trimethyloctane, 2,6,6-	54166-32-4					6470	12/08/02	06/14/09	12/31/11
3187	Trimethylolpropane ethoxylate	50586-59-9				1.11		10/11/05	06/14/09	12/31/11
3188	Trimethylolpropane phosphite	824-11-3	200	0.2	25			12/08/02	06/14/09	12/31/11
3189	Trimethylphosphine	594-09-2	37.5			0.735		07/11/07		12/31/11
3190	Trimethylpyridine, 2,4,6-	108-75-8						01/04/99		12/31/11
3191	Trimethylsilanol	1066-40-6						12/08/02	06/14/09	08/26/07
3192	Trimethylsilylmethyllithium	1822-00-0	35-36			0.65		07/11/07		12/31/11
3193	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	154-156	3	25			06/13/02	06/14/09	12/31/11
3194	Trimethyltriheptylamine, 6,6',6''-; (Triisooctylamine)	2757-28-0						01/04/99	06/14/09	12/31/11
3195	Tri-n-butylamine	102-82-9	216.5	0.0934	25	0.78	14000	07/11/07	06/14/09	12/31/11
3196	Trinitrobenzene, 1,3,5-	99-35-4	315	6.44x10-6	25	1.4475 @ 152ºC		12/30/95	01/04/10	12/31/11
3197	Trinitrochlorobenzene; (Picryl chloride)	28260-61-9						08/07/98	06/14/09	12/31/11
3198	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	187 expl			1.57 @ 19ºC		03/01/00	06/14/09	12/31/11
3199	Trinitrotoluene, 2,4,6-	118-96-7	240 expl			1.654		08/07/98	01/17/12	01/17/12
3200	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	201 @ 2 mmHg					12/30/95	01/04/10	12/31/11
3201	Trioctylamine; (N,N-Dioctyl-1-octanamine)	1116-76-3	365-367			0.809		01/04/99		12/31/11
3202	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7						07/11/07		12/31/11
3203	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	410			1.17		08/07/98	01/25/12	01/25/12
3204	Tripentaerythritol	78-24-0						04/14/04	06/14/09	12/31/11
3205	Triphenyl phosphate	115-86-6	245 @ 11 mm	1	193.5	1.268 @ 60ºC		01/04/99	06/14/09	12/31/11

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3206	Triphenyl phosphite	101-02-0	310.3	mg/m^3	12.68	C18.H15.O3.P	S	21-23
3207	Triphenylborane	960-71-4	242.14	mg/m^3	9.90	C18.H15.B	S	142
3208	Triphenylethoxysilane	1516-80-9	304.458	mg/m^3	12.44	C20.H20.O.Si	S	65
3209	Triphenylolmethane triglycidyl ether	66072-38-6	460.5256	mg/m^3	18.82	C28.H28.O6	S	
3210	Triphenylphosphine	603-35-0	262.3	mg/m^3	10.72	C18.H15.P	S	79
3211	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	385.47	mg/m^3	15.75	Sn.ClC18H15	S	106
3212	Tripotassium (2-hydroxyethyl)ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	395.5549	ppm	16.17	K3-C10-H18-N2-O7	S	
3213	Tripotassium arsenate	13464-36-3	256.22	mg/m^3	10.47	3K-As-O4	S	
3214	Tripropyl phosphate; (TPP)	513-08-6	224.23	mg/m^3	9.164589	C9.H21.O4.P	L	
3215	Tripropylamine	102-69-2	143.31	ppm	5.86	C9.H21.N	L	-93.5
3216	Tripropylene glycol methyl ether	25498-49-1	206.32	mg/m^3	8.43	C10.H22.O4	L	-78.89
3217	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol)	20324-33-8	206.32	ppm	8.43	C10-H22-O4	L	
3218	Tripropylene glycol; (((1-Methyl-1,2-ethanediyl)bis(oxy))bispropanol)	24800-44-0	192.29	ppm	7.86	C9.H20.O4	L	< -30
3219	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	157.6	mg/m^3	6.44	N.H2.C(C.H2.O.H)3.H.Cl	S	150-152
3220	Tris((hydroxymethyl)methylamino)propane-1-sulphonic acid, 3-	29915-38-6	243.2744	mg/m^3	9.94	C7.H17.N.O6.S	S	240
3221	Tris(2-aminoethyl)amine	4097-89-6	146.28	mg/m^3	5.98	C6.H18.N4		
3222	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	285.5	mg/m^3	11.67	C6.H12.Cl3.O4.P	L	-55
3223	**Tris(2-chloroethyl)amine; (Nitrogen mustard-3)**	**555-77-1**	204.57	mg/m^3	8.36	C6H12Cl3N	L	-4
3224	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	265.45	mg/m^3	10.85	C15H27N3O		
3225	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	121.16	mg/m^3	4.95	C4H11NO3	S	171-172
3226	Trisodium arsenate	13464-38-5	207.89	mg/m^3	8.50	3Na-As-O4 or 3Na-As-(OH)3	S	

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Table 1: Chemicals of Concern and Associated Chemical Information

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3206	Triphenyl phosphite	101-02-0	183-184 @0.1mm			1.184		04/14/04		12/31/11
3207	Triphenylborane	960-71-4						07/11/07		12/31/11
3208	Triphenylethoxysilane	1516-80-9	344					10/11/05	06/14/09	12/31/11
3209	Triphenylolmethane triglycidyl ether	66072-38-6						10/11/05	06/14/09	12/31/11
3210	Triphenylphosphine	603-35-0	>360			1.194		04/14/04		12/31/11
3211	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	240 @ 13.5 mm					06/13/02	06/14/09	12/31/11
3212	Tripotassium (2-hydroxyethyl)ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9						12/08/02	06/14/09	
3213	Tripotassium arsenate	13464-36-3				2.8		12/08/02	06/14/09	12/31/11
3214	Tripropyl phosphate; (TPP)	513-08-6	120-122 @ 10 mm			1.012		07/22/08	07/09/10	12/31/11
3215	Tripropylamine	102-69-2	156	1.51	25	0.7558 @ 20C	7000	07/11/07	06/14/09	12/31/11
3216	Tripropylene glycol methyl ether	25498-49-1	242.4			0.965		07/11/07		12/31/11
3217	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol)	20324-33-8	243			0.967		12/08/02	12/08/11	12/08/11
3218	Tripropylene glycol; (((1-Methyl-1,2-ethanediyl)bis(oxy))bispropanol)	24800-44-0	267	1	96	1.023		12/08/02	04/13/09	12/31/11
3219	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1						04/14/04		12/31/11
3220	Tris((hydroxymethyl)methylamino)propane-1-sulphonic acid, 3-	29915-38-6						10/11/05	06/14/09	12/31/11
3221	Tris(2-aminoethyl)amine	4097-89-6						07/11/07	07/19/08	12/31/11
3222	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	330			1.39		04/14/04		12/31/11
3223	**Tris(2-chloroethyl)amine; (Nitrogen mustard-3)**	**555-77-1**	98 @ 2mm			1.2347		03/01/00	06/14/09	12/31/11
3224	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2						09/30/97	01/04/10	12/31/11
3225	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	219-220 @10mm					01/10/01		12/31/11
3226	Trisodium arsenate	13464-38-5						09/17/07	06/17/10	12/31/11

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3227	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3	334.03	mg/m^3	13.65	AsO4.3Na.7H2O		
3228	Trisodium citrate	68-04-2	258.08	mg/m^3	10.55	3Na-C6-H5-O7	S	
3229	Trisodium N-hydroxyethylethylenediaminetriacetate; (Trisodium N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	344.22	mg/m^3	14.07	C10-H18-N2-O7.3Na	S	288
3230	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1		mg/m^3		(C2H4O)n.C14H22O	L	
3231	Trypan blue	72-57-1	960.81	mg/m^3	39.27	C34H24N6Na4O14S4	S	300
3232	Trypsin; (Parenzyme; Chymotrypsin inhibitor)	9002-07-7		mg/m^3			S	
3233	Trypsinogen	9002-08-8		mg/m^3				
3234	Tungsten	7440-33-7	183.84	mg/m^3	7.51	W	S	3422
3235	Tungsten boride	12007-09-9	194.65	mg/m^3	7.96	W.B	S	2665
3236	Tungsten carbide	12070-12-1	195.9	mg/m^3	8.01	W.C	S	2785
3237	Tungsten hexafluoride	7783-82-6	297.85	mg/m^3	12.17	F6W	G	2.3
3238	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	231.84	mg/m^3	9.48	O3.W	S	1473
3239	Tungsten(IV) chloride; (Tungsten tetrachloride)	13470-13-8	325.662	mg/m^3	13.31	W.Cl4	S	
3240	Tungsten(IV) oxide	12036-22-5	215.84	mg/m^3	8.82	O2W	S	1500-1700
3241	Tungstic acid	7783-03-1	249.8534	mg/m^3	10.21	W-H2-O4	S	100 dec
3242	Tungstosilicic acid	11130-20-4	2878.2931	mg/m^3	117.64	4H.O40.Si.W12	S	
3243	Turpentine	8006-64-2	140	ppm	5.72	C10.H16 approx	L	-55
3244	Undecane	1120-21-4	156.35	ppm	6.39	C11H24	L	-25.75
3245	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	170.33	ppm	6.96	C11-H22-O	L	12
3246	Uranine; (Fluorescein sodium)	518-47-8	376.28	mg/m^3	15.38	C20H10Na2O5	S	
3247	Uranium	7440-61-1	238.03	mg/m^3	9.73	U	S	1135
3248	**Uranium hexafluoride; (Uranium fluoride)**	**7783-81-5**	352.02	mg/m^3	14.39	F6U	S	64.06 triple point

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3227	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3						06/13/02	06/17/10	12/31/11
3228	Trisodium citrate	68-04-2	dec					12/08/02		02/07/12
3229	Trisodium N-hydroxyethylethylenediaminetriacetate; (Trisodium N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9				1.285		12/08/02	06/14/09	
3230	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1				1.0595		01/04/99		12/31/11
3231	Trypan blue	72-57-1						12/30/95	01/04/10	12/31/11
3232	Trypsin; (Parenzyme; Chymotrypsin inhibitor)	9002-07-7						07/11/07	01/23/12	01/23/12
3233	Trypsinogen	9002-08-8						07/11/07		12/31/11
3234	Tungsten	7440-33-7	5555	7.5x10-3	3204	19.3		09/30/97	06/17/10	12/31/11
3235	Tungsten boride	12007-09-9				15.2		10/11/05	06/17/10	12/31/11
3236	Tungsten carbide	12070-12-1				15.6		04/14/04	06/17/10	12/31/11
3237	Tungsten hexafluoride	7783-82-6	17.5			13.069		01/04/99	06/17/10	12/31/11
3238	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	~ 1700			7.2		09/30/97	01/04/10	12/31/11
3239	Tungsten(IV) chloride; (Tungsten tetrachloride)	13470-13-8						07/11/07	06/17/10	12/31/11
3240	Tungsten(IV) oxide	12036-22-5				10.8		08/07/98	06/17/10	12/31/11
3241	Tungstic acid	7783-03-1				5.5		12/08/02	06/17/10	12/31/11
3242	Tungstosilicic acid	11130-20-4						07/11/07	06/17/10	12/31/11
3243	Turpentine	8006-64-2	154-170			0.854-0.868	8000	04/14/04	06/14/09	12/31/11
3244	Undecane	1120-21-4	195.6			0.7402		08/07/98		12/31/11
3245	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	223			0.829 @ 30C	6880	12/08/02	06/14/09	12/31/11
3246	Uranine; (Fluorescein sodium)	518-47-8						08/07/98		12/31/11
3247	Uranium	7440-61-1	4131	7.5x10-3	2052	19.1		12/30/95	06/18/10	12/31/11
3248	**Uranium hexafluoride; (Uranium fluoride)**	**7783-81-5**	56.5 subl	115	25	5.09		11/30/92	01/04/10	10/11/05

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
3249	Uranium hydride; (Uranium(III) hydride)	13598-56-6	241.05	mg/m^3	9.85	H3U	S	
3250	**Uranium oxide; (Triuranium octaoxide)**	**1344-59-8**	842.08	mg/m^3	34.42	O8U3	S	1300 dec
3251	Uranium telluride	12138-37-3	493.23	mg/m^3	20.16	Te2U	S	
3252	Uranium telluride A	12138-37-3a	1224.08	mg/m^3	50.03	U3.Te4	S	
3253	**Uranium trioxide**	**1344-58-7**	286.0272	mg/m^3	11.69	U.O3	S	
3254	**Uranium(IV) oxide; (Uranium dioxide)**	**1344-57-6**	270.03	mg/m^3	11.04	O2U	S	2875
3255	Uranium: insoluble compounds	z-0083		mg/m^3		[Unspecified]	S	varies
3256	Uranium: soluble compounds	z-0084		mg/m^3		[Unspecified]	S	varies
3257	Uranyl acetate; (Uranium oxyacetate)	541-09-3	388.1	mg/m^3	15.86	C4H6O6U	S	110 loss H2O
3258	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	308	mg/m^3	12.59	U.O2.F2	S	300 dec
3259	Uranyl hydroxide	13470-18-3a	304.0423	mg/m^3	12.43	U.O2.(OH)2	S	
3260	Uranyl hydroxide (liquids)	13470-18-3b	304.041	mg/m^3	12.43	U.O2.(OH)2	L	
3261	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	394.02	mg/m^3	16.10	N2.O8.U	S	60.2
3262	Uranyl nitrate (yellow salt)	36478-76-9	394.02	mg/m^3	16.10	N2O8U	S	60.2
3263	Uranyl nitrate hexahydrate	13520-83-7	502.14	mg/m^3	20.52	N2.O8.U.6(H2.O)	6	60.2
3264	Uranyl nitrite (liquids)	z-0087	362.0364	mg/m^3	14.80	U.O2.(N.O2)2	L	
3265	Urea	57-13-6	60.07	mg/m^3	2.46	CH4N2O	S	132.7
3266	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	94.09	mg/m^3	3.85	C.H4.N2.O.H2.O2	S	75-85
3267	Urea), N,N''-(4-methyl-1,3-phenylene)bis(N',N'-dimethyl-	17526-94-2	264.33	mg/m^3	10.80	C13.H20.N4.O2	S	
3268	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	89.11	mg/m^3	3.64	C.H3.C.H2.O.C.O.N.H2	S	49
3269	Valeric acid	109-52-4	102.15	mg/m^3	4.18	C5.H10.O2	L	-34.5
3270	Valinomycin	2001-95-8	1111.5	mg/m^3	45.43	C54.H90.N6.O18	S	187

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3249	Uranium hydride; (Uranium(III) hydride)	13598-56-6				11.1		12/30/95	01/04/10	12/31/11
3250	**Uranium oxide; (Triuranium octaoxide)**	**1344-59-8**				8.38		01/10/01	06/14/09	12/31/11
3251	Uranium telluride	12138-37-3						12/30/95	01/04/10	12/31/11
3252	Uranium telluride A	12138-37-3a						07/09/07	01/04/10	12/31/11
3253	**Uranium trioxide**	**1344-58-7**				7.3		04/03/08	06/14/09	06/14/09
3254	**Uranium(IV) oxide; (Uranium dioxide)**	**1344-57-6**						01/10/01	06/14/09	12/31/11
3255	Uranium: insoluble compounds	z-0083	varies	varies				12/30/95	01/04/10	12/31/11
3256	Uranium: soluble compounds	z-0084	varies	varies				12/30/95	01/04/10	12/31/11
3257	Uranyl acetate; (Uranium oxyacetate)	541-09-3	275 dec			2.893		06/27/07	06/14/09	12/31/11
3258	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0				6.37		04/14/04	06/14/09	12/31/11
3259	Uranyl hydroxide	13470-18-3a						04/15/07	06/14/09	12/31/11
3260	Uranyl hydroxide (liquids)	13470-18-3b						12/08/02	06/14/09	12/31/11
3261	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	118			2.81		06/13/02	06/14/09	12/31/11
3262	Uranyl nitrate (yellow salt)	36478-76-9	118			2.807		08/21/96	01/07/10	12/31/11
3263	Uranyl nitrate hexahydrate	13520-83-7	118			2.807 @ 13C		06/13/02	06/14/09	12/31/11
3264	Uranyl nitrite (liquids)	z-0087						12/08/02	06/14/09	12/31/11
3265	Urea	57-13-6	dec			1.335	73300	08/07/98	06/14/09	12/31/11
3266	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	dec			0.8 @ 20ºC		08/17/07		12/31/11
3267	Urea), N,N''-(4-methyl-1,3-phenylene)bis(N',N'-dimethyl-	17526-94-2						09/05/08	04/13/09	12/31/11
3268	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	182-184	0.36	25	1.107		06/13/02		12/31/11
3269	Valeric acid	109-52-4	186.4	0.196	25	0.940 @ 20ºC	16000	10/11/05	06/14/09	12/31/11
3270	Valinomycin	2001-95-8		0.00001	25			06/13/02	06/14/09	12/31/11

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Table 1: Chemicals of Concern and Associated Chemical Information

No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
3271	Vanadium	7440-62-2	50.94	mg/m^3	2.08	V	S	1910
3272	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	181.88	mg/m^3	7.43	O5V2	S	681
3273	Vanadium sulfate	16785-81-2	454.66	mg/m^3	18.58	Vx.H2.S.O4	S	
3274	Vanadium tetrachloride	7632-51-1	192.74	mg/m^3	7.88	V.Cl4	L	-25.7
3275	Vanadium trioxide	1314-34-7	149.88	mg/m^3	6.13	V2.O3	S	1970
3276	Vanadium(II) sulfate heptahydrate	36907-42-3	273.112	mg/m^3	11.16	V.S.O4.7(H2.O)	S	
3277	Vanadium(III) sulfate	13701-70-7	390.07	mg/m^3	15.94	V2.(S.O4)3	S	
3278	Vanadium, trichlorooxo-	7727-18-6	173.29	ppm	7.08	V.Cl.O3	L	-77
3279	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	253.07	mg/m^3	10.34	V.S.O5.5(H2.O)	S	
3280	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	163	mg/m^3	6.66	O5SV	S	
3281	Vanilin	121-33-5	152.16	mg/m^3	6.22	C8.H8.O3	S	80-81
3282	Vegetable oil	68956-68-3		mg/m^3		[Unspecified]	L	
3283	Veratraldehyde	120-14-9	166.19	mg/m^3	6.79	C9.H10.O3	S	42-43
3284	Vermiculite, exfoliated	1318-00-9	288.28	mg/m^3	11.78	Al.Fe.4(H2.O).H-O.Mg.O3-Si.O	S	1316-1370
3285	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1	109.5507	mg/m^3	4.48	C4.H7.Cl.S		
3286	**Vinyl acetate**	**108-05-4**	86.09	ppm	3.52	C4H6O2	L	-93.2
3287	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9		mg/m^3		(C6H9ClO2)x	S	
3288	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0		mg/m^3		(C11H18O4)x	S	
3289	Vinyl bromide	593-60-2	106.95	ppm	4.37	C2H3Br	L or G	-139.54
3290	**Vinyl chloride**	**75-01-4**	62.5	ppm	2.55	C2H3Cl	G	-153.84
3291	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	72.12	ppm	2.95	C4.H8.O	L	-115
3292	Vinyl fluoride	75-02-5	46.04	ppm	1.88	C2H3F	G	-160.5

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3271	Vanadium	7440-62-2	3407	7.5x10-3	1828	6		09/30/97	06/18/10	12/31/11
3272	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	1750	~0	no temp	3.35		12/30/95	06/18/10	12/31/11
3273	Vanadium sulfate	16785-81-2						12/08/02	01/18/12	01/18/12
3274	Vanadium tetrachloride	7632-51-1	148	7.63	25	1.816 @ 20ºC		06/13/02	06/18/10	12/31/11
3275	Vanadium trioxide	1314-34-7				4.87 @ 18ºC		08/07/98	06/18/10	12/31/11
3276	Vanadium(II) sulfate heptahydrate	36907-42-3						06/13/02	06/18/10	12/31/11
3277	Vanadium(III) sulfate	13701-70-7						06/13/02	06/18/10	12/31/11
3278	Vanadium, trichlorooxo-	7727-18-6	126.7	19.3	25	1.829		10/11/05	06/18/10	12/31/11
3279	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2						06/13/02	06/18/10	12/31/11
3280	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6						08/07/98	06/18/10	12/31/11
3281	Vanilin	121-33-5	285			1.056		10/11/05	04/01/09	12/31/11
3282	Vegetable oil	68956-68-3						09/30/97	01/05/10	12/31/11
3283	Veratraldehyde	120-14-9	281					10/11/05	10/11/05	12/31/11
3284	Vermiculite, exfoliated	1318-00-9				2.6		04/14/04	07/06/10	12/31/11
3285	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1		5.8	25			07/11/07		12/31/11
3286	**Vinyl acetate**	**108-05-4**	72.8	75	16.2	0.9256	26000	11/30/92	01/05/10	
3287	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9						01/04/99		12/31/11
3288	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0						09/30/97	01/05/10	12/31/11
3289	Vinyl bromide	593-60-2	15.8	750	15.4	1.4933 @ 20ºC	90000	09/30/97	01/05/10	12/31/11
3290	**Vinyl chloride**	**75-01-4**	-13.8	750	-14.1	0.9106 @ 20ºC	36000	11/30/92	01/05/10	
3291	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	35.6	428	20	0.754	13000	06/13/02		12/31/11
3292	Vinyl fluoride	75-02-5	-72	750	-72.2	0.636 @ 21ºC (Liquid)	26000	09/30/97	12/23/11	12/31/11

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3293	Vinyl sulfoxide	1115-15-7	102.16	mg/m^3	4.17542	C4.H6.O.S	L	
3294	Vinyl terminated dimethylsiloxane-diphenylsiloxane copolymer	68951-96-2	9300	mg/m^3	380.10		S	
3295	**Vinyl trichlorosilane**	**75-94-5**	161.49	ppm	6.60	C2.H3.Cl3.Si	L fum	-95
3296	Vinyl-2-pyrrolidinone, 1-	88-12-0	111.16	ppm	4.54	C6.H9.N.O	L	13.5
3297	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	152.62	mg/m^3	6.24	C9.H9.Cl	L	
3298	Vinylcyclohexene, 4-; (Cyclohexenylethylene)	100-40-3	108.1828	ppm	4.42	C8.H12	L	-101
3299	Vinylformamide, N-	13162-05-5	71.08	mg/m^3	2.91	C3.H5.N.O	L	-16
3300	**Vinylidene chloride; (1,1-Dichloroethylene)**	**75-35-4**	96.94	ppm	3.96	C2H2Cl2	L	-122.56
3301	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	64.04	ppm	2.62	C2.H2.F2	G	-144
3302	Vinylmagnesium bromide	1826-67-1	131.25	mg/m^3	5.36	C2.H3.Br.Mg	L	
3303	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	50000	mg/m^3	2043.57	(C9.H9.N.O.C4.H6.O2)x	S	
3304	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)	64742-52-5		mg/m^3			L	
3305	Warfarin	81-81-2	308.35	mg/m^3	12.60	C19H16O4	S	161
3306	Warfarin sodium	129-06-6	330.33	mg/m^3	13.50	C19H15O4.Na	S	159-165
3307	Xenon	7440-63-3	131.29	ppm	5.37	Xe	G	-112
3308	Xylene, m-	108-38-3	106.17	ppm	4.34	C8H10	L	-47.8
3309	Xylene, o-	95-47-6	106.17	ppm	4.34	C8H10	L	-25.2
3310	Xylene, p-	106-42-3	106.17	ppm	4.34	C8H10	L or S	13.25
3311	**Xylenes**	**1330-20-7**	106.17	ppm	4.34	C8H10	L	
3312	Xylenol orange tetrasodium salt	3618-43-7	764.63	mg/m^3	31.25	C31H32N2Na4O13S	S powd	
3313	Xylidine	1300-73-8	121.18	ppm	4.95	C8H11N	L	-36

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3293	Vinyl sulfoxide	1115-15-7	86 @ 18	1.6	25	1.079 @ 20ºC		07/22/08		12/31/11
3294	Vinyl terminated dimethylsiloxane-diphenylsiloxane copolymer	68951-96-2	>400			1.036		07/11/07		12/31/11
3295	**Vinyl trichlorosilane**	**75-94-5**	91.5	65.9	25	1.2426 @ 20ºC	30000	07/11/07	06/14/09	
3296	Vinyl-2-pyrrolidinone, 1-	88-12-0	193 @ 400 mm	1.04E-11	25	1.04	14000	10/11/05	06/14/09	12/31/11
3297	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	229	1	56.1	1.083		07/11/07		12/31/11
3298	Vinylcyclohexene, 4-; (Cyclohexenylethylene)	100-40-3	126-127	3E+01	38	0.8229	10000	08/17/07	06/14/09	12/31/11
3299	Vinylformamide, N-	13162-05-5	210	0.1	25	1.014		07/11/07		12/31/11
3300	**Vinylidene chloride; (1,1-Dichloroethylene)**	**75-35-4**	31.6	750	31.2	1.213 @ 20ºC	65000	12/30/95	01/05/10	12/31/11
3301	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	<-70				55000	06/13/02	06/18/10	12/31/11
3302	Vinylmagnesium bromide	1826-67-1				0.98		07/11/07		12/31/11
3303	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9				1.27		07/11/07		12/31/11
3304	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)	64742-52-5	350					07/11/07		12/31/11
3305	Warfarin	81-81-2	356	0.00001	25			12/08/02	06/14/09	12/31/11
3306	Warfarin sodium	129-06-6	dec	0.00001	25			12/08/02	06/14/09	12/31/11
3307	Xenon	7440-63-3	-107			3.52 @ 109ºC		04/14/04	06/14/09	
3308	Xylene, m-	108-38-3	139.07	7.5	23.4	0.8598	11000	08/21/96	01/05/10	12/31/11
3309	Xylene, o-	95-47-6	144.5	7.5	27	0.8755	9000	08/21/96	01/05/10	12/31/11
3310	Xylene, p-	106-42-3	138.23	7.5	22.4	0.8565	10000	08/21/96	01/05/10	12/31/11
3311	**Xylenes**	**1330-20-7**	Grade Dependent	6-16	20	0.86 @ 20ºC	9000	08/21/96	01/05/10	02/28/08
3312	Xylenol orange tetrasodium salt	3618-43-7						01/10/01	06/14/09	12/31/11
3313	Xylidine	1300-73-8	213-226			.97-.99 no temp	10000	09/30/97	06/18/10	12/31/11

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No.	Chemical Compound	CAS Number (CASRN)	Molecular Weight (MW)	Units of Original Limits	ppm to mg/m^3	Molecular Formula (MF)	State at 25°C	MP or FP (°C)
3314	Xylidine, 2,6-	87-62-7	121.2	ppm	4.95	C8H11N	L	11.2
3315	Xylidine, o-; (2,3-Xylidine)	87-59-2	121.2	ppm	4.95	C8H11N	L	<-15
3316	Xylylene dichloride	28347-13-9	175.06	mg/m^3	7.15	C8H8Cl2	S	34-37
3317	Yeast extract	8013-01-2		mg/m^3			S	
3318	Ytterbium fluoride	13760-80-0	230.04	mg/m^3	9.40	F3Yb	S	1157
3319	Ytterbium oxide	1314-37-0	394.08	mg/m^3	16.11	Yb2-O3	S	2435
3320	Yttrium	7440-65-5	88.91	mg/m^3	3.63	Y	S	1522
3321	Yttrium chloride, hexahydrate	10025-94-2	303.38	mg/m^3	12.40	Y.Cl3-6(H2.O)	S	
3322	Yttrium oxide	11130-29-3	104.91	mg/m^3	4.29	OY	S	
3323	Yttrium trioxide	1314-36-9	225.82	mg/m^3	9.23	Y2-O3	S	2410
3324	Zeolites, CaA	68989-20-8		mg/m^3			S	
3325	Zeolites, KA	68989-21-9		mg/m^3		KnNa12-n[(AlO2)12(SiO2)12] · xH2O	S	
3326	Zeolites, NaA	68989-22-0		mg/m^3			S	
3327	Zeolites, NaX	68989-23-1		mg/m^3			S	
3328	Zinc	7440-66-6	65.41	mg/m^3	2.67	Zn	S	419.53
3329	Zinc acetate	557-34-6	183.47	mg/m^3	7.50	C4H6O4Zn	S	237
3330	Zinc acetate dihydrate	5970-45-6	219.51	mg/m^3	8.97	Zn.C4.H6.O4.2 H2O	S	237
3331	Zinc bromide	7699-45-8	225.19	mg/m^3	9.20	ZnBr2	S	394
3332	Zinc carbonate	3486-35-9	125.38	mg/m^3	5.12	Zn.CO3	S	
3333	Zinc carbonate hydroxide	5263-02-5	142.4	mg/m^3	5.82	Zn.C.O3.OH		
3334	Zinc chloride	7646-85-7	136.27	mg/m^3	5.57	Cl2Zn	S	290
3335	Zinc cyanide	557-21-1	117.41	mg/m^3	4.80	(CN)2.Zn	S	800 decom

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3314	Xylidine, 2,6-	87-62-7	216	0.125	25	0.98	15000	06/13/02	06/18/10	12/31/11
3315	Xylidine, o-; (2,3-Xylidine)	87-59-2	221.5	0.075	25	0.9931 @ 20ºC	15000	06/13/02	06/18/10	12/31/11
3316	Xylylene dichloride	28347-13-9	239	0.02	25	1.202		12/08/02	06/14/09	12/31/11
3317	Yeast extract	8013-01-2						04/14/04		12/31/11
3318	Ytterbium fluoride	13760-80-0	2200					08/07/98	06/14/09	12/31/11
3319	Ytterbium oxide	1314-37-0				9.2		12/08/02	06/14/09	12/31/11
3320	Yttrium	7440-65-5	3345	7.5x10-3	1610.1	4.47		09/30/97	01/05/10	12/31/11
3321	Yttrium chloride, hexahydrate	10025-94-2						10/18/07	06/14/09	12/31/11
3322	Yttrium oxide	11130-29-3						01/04/99	06/14/09	12/31/11
3323	Yttrium trioxide	1314-36-9				4.84		12/08/02	06/14/09	12/31/11
3324	Zeolites, CaA	68989-20-8						04/14/04	06/14/09	12/31/11
3325	Zeolites, KA	68989-21-9						04/14/04	06/14/09	12/31/11
3326	Zeolites, NaA	68989-22-0						04/14/04	06/14/09	12/31/11
3327	Zeolites, NaX	68989-23-1						04/14/04	06/14/09	12/31/11
3328	Zinc	7440-66-6	907	7.5x10-3	337	7.134		12/30/95	01/23/12	01/23/12
3329	Zinc acetate	557-34-6				1.735		08/07/98	06/14/09	12/31/11
3330	Zinc acetate dihydrate	5970-45-6				1.735		04/14/04	06/14/09	12/31/11
3331	Zinc bromide	7699-45-8	697			4.3		06/13/02	06/14/09	12/31/11
3332	Zinc carbonate	3486-35-9				4.4		06/13/02	06/14/09	12/31/11
3333	Zinc carbonate hydroxide	5263-02-5						10/11/05	06/14/09	12/31/11
3334	Zinc chloride	7646-85-7	732	1	428	2.91		08/07/98	06/14/09	12/31/11
3335	Zinc cyanide	557-21-1				1.852		06/13/02	06/14/09	12/31/11

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3336	Zinc fluoride	7783-49-5	103.37	mg/m^3	4.22	F2Zn	S	872
3337	Zinc hydroxide	20427-58-1	99.4	mg/m^3	4.06	H2O2Zn	S	
3338	Zinc nitrate	7779-88-6	189.42	mg/m^3	7.74	N2O6Zn	S	42.5
3339	Zinc nitrate hexahydrate	10196-18-6	297.51	mg/m^3	12.16	H12N2O12Zn	S	36 dec
3340	Zinc nitrite	10102-02-0	157.42	mg/m^3	6.43	N2O4Zn	S	
3341	Zinc oxide	1314-13-2	81.41	mg/m^3	3.33	OZn	S	1974
3342	Zinc perchlorate	13637-61-1	266.291	mg/m^3	10.88	Zn.2(Cl.H.O4)	S	
3343	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	413.73	mg/m^3	16.91	Zn.C12H12O8S2	S	
3344	Zinc phosphate (3:2)	7779-90-0	386.05	mg/m^3	15.78	Zn3-(P-O4)2	S	900
3345	**Zinc phosphide**	**1314-84-7**	258.1	ppm	10.55	P2Zn3	S	420
3346	Zinc stearate	557-05-1	632.3	mg/m^3	25.84	C36H70O4Zn	S	130
3347	Zinc sulfate	7733-02-0	161.43	mg/m^3	6.60	O4SZn	S	740 dec
3348	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	287.57	mg/m^3	11.75	Zn.S.O4:7H2.O	S	100
3349	Zinc sulfide	1314-98-3	97.43	mg/m^3	3.98	SZn	S	1700
3350	Zirconium	7440-67-7	91.22	mg/m^3	3.73	Zr	S	1854.7
3351	Zirconium boride	12045-64-6	112.84	mg/m^3	4.61	Zr-B2	S	3000
3352	Zirconium carbide	12070-14-3	115.25	mg/m^3	4.71	Zr.C2	S	3400-3540
3353	Zirconium chloride	10026-11-6	233.02	mg/m^3	9.52	Cl4Zr	S	437 subl.
3354	Zirconium chloride oxide octahydrate	13520-92-8	322.28	mg/m^3	13.17	Cl2H16O9Zr	S	
3355	Zirconium fluoride	7783-64-4	167.22	mg/m^3	6.83	Zr-F4	V	
3356	Zirconium hydride	7704-99-6	93.24	mg/m^3	3.81	Zr.H2	S	
3357	Zirconium hydroxide	14475-63-9	159.254	mg/m^3	6.51	H4O4Zr	S	dec

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No.	Chemical Compound	CAS Number (CASRN)	BP (°C) @ 760 mm Hg unless indicated	Vapor Pressure		SG @ 25°C unless indicated	LEL (ppm)	PAC-TEEL Derivation/Review/Revision Dates		
				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3336	Zinc fluoride	7783-49-5	1500	1	970	5.0025		08/07/98	06/14/09	12/31/11
3337	Zinc hydroxide	20427-58-1						12/08/02	06/14/09	12/31/11
3338	Zinc nitrate	7779-88-6				2.065 @ 14ºC		12/30/95	01/05/10	12/31/11
3339	Zinc nitrate hexahydrate	10196-18-6				2.067		04/14/04	01/05/10	12/31/11
3340	Zinc nitrite	10102-02-0						04/15/07	06/14/09	
3341	Zinc oxide	1314-13-2		~0	no temp	5.6		08/21/96	06/18/10	12/31/11
3342	Zinc perchlorate	13637-61-1						04/15/07	06/14/09	12/31/11
3343	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2						06/13/02	01/19/12	01/19/12
3344	Zinc phosphate (3:2)	7779-90-0				4		04/15/07	06/14/09	12/31/11
3345	**Zinc phosphide**	**1314-84-7**	1100	0.0000001	25	4.55 @ 13ºC		04/15/07	02/13/12	02/13/12
3346	Zinc stearate	557-05-1				1.095		08/07/98	06/14/09	12/31/11
3347	Zinc sulfate	7733-02-0				3.74 @ 15ºC		01/10/01	06/14/09	12/31/11
3348	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	>500 dec			1.97		04/14/04	06/14/09	12/31/11
3349	Zinc sulfide	1314-98-3	sublime			4.09		02/09/12		
3350	Zirconium	7440-67-7	4409	7.5x10-3	2366	6.52		12/30/95	06/18/10	12/31/11
3351	Zirconium boride	12045-64-6						12/08/02	06/18/10	12/31/11
3352	Zirconium carbide	12070-14-3	5100			6.73		04/14/04	06/18/10	12/31/11
3353	Zirconium chloride	10026-11-6	331	1	190	2.8		01/04/99	06/18/10	12/31/11
3354	Zirconium chloride oxide octahydrate	13520-92-8						01/04/99	06/18/10	12/31/11
3355	Zirconium fluoride	7783-64-4						12/08/02	06/18/10	12/31/11
3356	Zirconium hydride	7704-99-6	> 300 dec			5.6		04/14/04	06/18/10	12/31/11
3357	Zirconium hydroxide	14475-63-9				3.24		12/08/02	06/18/10	12/31/11

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3358	Zirconium nitrate	13746-89-9	339.26	mg/m^3	13.87	N4O12Zr	S	
3359	Zirconium nitride	25658-42-8	105.2267	mg/m^3	4.30	Zr-N	S	2960
3360	Zirconium nitrite	z-0088	137.2255	mg/m^3	5.61	Zr-O-N2	S	
3361	Zirconium oxide	1314-23-4	123.22	mg/m^3	5.04	O2Zr	S	
3362	Zirconium oxynitrate hydrate	14985-18-3	250	mg/m^3	10.22	ZrO(NO3)x H2O		
3363	Zirconium phosphide	12037-80-8	153.16752	mg/m^3	6.26	Zr-P2	S	
3364	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	283.4	mg/m^3	11.58	Zr.K2F6	S	
3365	Zirconium silane	z-0089	147.391	mg/m^3	6.02	Zr-Si2	S	
3366	Zirconium silicate; (Zirconium silicon oxide; Zircon)	10101-52-7	187.3347	mg/m^3	7.66	Zr.H4.O4.Si	S	
3367	Zirconium sulfate tetrahydrate	7446-31-3	355.4	mg/m^3	14.53	Zr.(SO4)2.4H2O	S	410 decom
3368	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	178.12	mg/m^3	7.28	Zr.Cl2.O	S	150
3369	Zirconyl nitrate; (Bis(nitrato-O)oxozirconium)	13826-66-9	231.24	mg/m^3	9.45	N2O7Zr	S	
3370	Zonyl fsn fluorosurfactant	65545-80-4		mg/m^3		(C2.H4O)x(C.F2)y. .C2.H5.F.O	L	
3371	zzAcrylic latex	z-0090		mg/m^3		[Unknown]	L	
3372	zzAlumination 301	z-0091		mg/m^3		[Unknown]		
3373	zzHydranal coulomat / AG	z-0092		mg/m^3		[Unknown]		
3374	zzHydrocarbon polymer	z-0093		mg/m^3		[Unknown]	S	
3375	zzHydrocount(R), LSC cocktail	z-0094		mg/m^3		[Unknown]		
3376	zzIconol(R)	z-0095		mg/m^3		[Unknown]		
3377	zzMachine coolant 1	z-0096		mg/m^3		[Unknown]	L	-5.6
3378	zzMonophase- S	z-0097		mg/m^3		[Unknown]		
3379	zzMornar	z-0098		mg/m^3		[Unknown]		

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3358	Zirconium nitrate	13746-89-9						01/04/99	06/18/10	12/31/11
3359	Zirconium nitride	25658-42-8				7.09		12/08/02	06/18/10	12/31/11
3360	Zirconium nitrite	z-0088						12/08/02	06/18/10	12/31/11
3361	Zirconium oxide	1314-23-4						01/10/01	06/18/10	12/31/11
3362	Zirconium oxynitrate hydrate	14985-18-3						01/10/01	06/18/10	12/31/11
3363	Zirconium phosphide	12037-80-8				5.1		12/08/02	06/14/09	12/31/11
3364	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8				3.48		06/13/02	06/14/09	12/31/11
3365	Zirconium silane	z-0089						12/08/02	06/18/10	12/31/11
3366	Zirconium silicate; (Zirconium silicon oxide; Zircon)	10101-52-7						04/14/04	06/18/10	12/31/11
3367	Zirconium sulfate tetrahydrate	7446-31-3				3.22 @ 16ºC		06/13/02	06/18/10	12/31/11
3368	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	210			1.91		10/11/05	06/18/10	12/31/11
3369	Zirconyl nitrate; (Bis(nitrato-O)oxozirconium)	13826-66-9						01/04/99	06/18/10	12/31/11
3370	Zonyl fsn fluorosurfactant	65545-80-4	80			1.06		07/11/07		12/31/11
3371	zzAcrylic latex	z-0090						09/30/97	01/05/10	12/31/11
3372	zzAlumination 301	z-0091						08/07/98	06/14/09	12/31/11
3373	zzHydranal coulomat / AG	z-0092						08/07/98	06/14/09	12/31/11
3374	zzHydrocarbon polymer	z-0093						09/30/97	01/05/10	12/31/11
3375	zzHydrocount(R), LSC cocktail	z-0094						07/09/97	01/05/10	12/31/11
3376	zzIconol(R)	z-0095						07/09/97	01/05/10	12/31/11
3377	zzMachine coolant 1	z-0096	100					11/15/96	01/05/10	12/31/11
3378	zzMonophase- S	z-0097						08/07/98	06/14/09	12/31/11
3379	zzMornar	z-0098						08/07/98	06/14/09	12/31/11

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3380	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphophate)	z-0099		mg/m^3		Mixture	L?	
3381	zzPropanol (-2) aluminum derivative	z-0101		mg/m^3		[Unknown]		
3382	zzScintillation cocktail, Ultima Gold XR	z-0102	212.36	mg/m^3	8.68	C16H20 (mixture)	L	-30
3383	zzSicapent	z-0103		mg/m^3		[Unknown]		
3384	zzSynthetic resins	z-0104		mg/m^3		[Unknown]	L	
3385	zzTotal sequestrant reagent #5	z-0105		mg/m^3		Mixture	L	-0.5
3386	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106		mg/m^3		[Unknown]		
3387	zzWaste oil	z-0107		mg/m^3		[Unknown]	L	varies

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				mm Hg	T (°C)			Originally Derived	Last Reviewed	Last Revised
3380	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphophate)	z-0099						01/10/01	06/14/09	12/31/11
3381	zzPropanol (-2) aluminum derivative	z-0101						08/07/98	06/14/09	12/31/11
3382	zzScintillation cocktail, Ultima Gold XR	z-0102	290-299	2.8		0.96		01/10/01	06/14/09	08/24/07
3383	zzSicapent	z-0103						08/07/98	06/14/09	12/31/11
3384	zzSynthetic resins	z-0104						11/15/96	01/05/10	12/31/11
3385	zzTotal sequestrant reagent #5	z-0105	98			1.0325		01/10/01	06/14/09	08/24/07
3386	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106						12/08/02	06/14/09	12/31/11
3387	zzWaste oil	z-0107	varies	Varies				12/30/95	01/05/10	12/31/11

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