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Physical Properties of Chemicals in PAC Revision 27 Listing

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Physical Properties of Chemicals in PAC

Revision 27 Listing

1 Purpose

The purpose of this chemical physical property listing is to provide data required to apply the DOE SCAPA Protective Action Criteria (PAC) values to calculation of the LLNL Quantity (Q) Value thresholds for facility chemical hazard classification.

This chemical physical property listing based on the DOE SCAPA Protective Action Criteria (PAC) Revision 27 listing Identifies:

1. Physical state at 25°C (i.e. solid, liquid, or gas)
2. Vapor pressure of liquids at 25°C

2 Summary of Process

1. Start with PAC Input Data (table 1).
 - a. Eliminate data columns not required for Q-Value threshold calculations.
 - b. Add additional, necessary data columns.
2. Modify data format as needed
3. Filter out gases and solids based upon data provided in table 1
4. Utilize reference materials to:
 - a. Further weed out gases & solids
 - b. Identify VP at 25°C for liquids
 - c. Fill in data gaps

2.1 PAC Input Data (table 1)

2.1.1 Eliminate Unnecessary Data Columns

Only those values necessary to accomplish the stated purpose of this listing are utilized from table 1; these are:

1. PAC Revision 27 Chemical Identification Number (No.); which is required to maintain continuity between listings.
2. Chemical Compound Description; which is required to maintain continuity between listings.
3. Chemical CAS Number (CASRN); which is required for chemical identification.
4. Molecular Weight; which is required for chemical identification.
5. (Physical) State at 25°C.
6. Melting Point (MP); which is useful in identifying physical state at 25°C.
7. Boiling Point (BP) (sometimes given with a pressure other than 760 mmHg).
8. Vapor Pressure (VP).
9. Temperature at which Vapor Pressure has been provided.

2.1.2 Add in Needed Data Columns

Some additional data columns have been added; these include:

1. Modified-format CAS numbers (sort-able).

2. Boiling Point data separated into Boiling Point Temperature (°C) and Boiling Point Pressure (mmHg)
3. Added a column to document reference sources for VP at 25°C.

2.2 Modify Data Format

Much of the PAC Revision 27 table 1 content formatting has been modified in this listing to make the data more useful; modifications include:

1. Physical state values simplified (limiting choices to S, L, or G)
2. Numerical data reformatted to numerical values (much of the data was in text format).
 - a. This primarily applies to data for chemicals existing as liquids at 25°C.

2.3 Exclusion of Solids and Gases from Further Evaluation

Auto-filter function of spreadsheet is applied to eliminate from further evaluation all but those chemicals either identified as liquids, or not having an identified physical state.

2.4 Reference Material Data

2.4.1 Application of Referenced Data for Further Exclusion of Solids and Gases

In some instances, assignment of physical form data (i.e. S, L, or G) provided by SCAPA in table 1 (input data) of the PAC listing is based upon conditions inconsistent with the LLNL Q-value calculation process. In these cases, it is sometimes possible to use additional data to better align physical form of the chemicals to 25°C. In instances where the chemicals are clearly a solid or gas at 25°C, these chemicals may be excluded from further evaluation of physical properties.

1. Chemicals assigned a physical state of "L" in the table 1 listing, but having a melting point equal to or greater than 25°C have been reassigned a physical state of "S."
 - a. This only applies to experimentally derived, published melting point data.
2. Chemicals assigned a physical state of "L" in table 1 but having a boiling point (temperature) at 760 mmHg equal to or less than 25°C have been reassigned a physical state of "G."
 - a. This only applies to experimentally derived, published boiling point data.
3. Chemical assigned a physical state of "L" in table 1 but found to have a vapor pressure at 25°C equal to or greater than 760 mmHg have been reassigned a physical state of "G."
 - a. This applies to both experimentally derived and estimated vapor pressure data.

2.4.2 Application of Referenced Data for Vapor Pressure Determinations

All liquids are required to have a vapor pressure identified at 25°C; each of these will have a documented reference or source. The hierarchy for referenced data is:

1. First priority is given to values provided by SCAPA in table 1 (input data) of the PAC listing, as these values have been vetted by the DOE SCAPA working group and have been derived from reputable published sources. For those liquids not having a vapor pressure at 25°C identified in table 1 of the PAC listing, it is necessary to fill in the gaps utilizing other data sources. Where data ranges are provided, the mean of the range is utilized for calculations.
2. Second priority is given to experimental data derived from other published data sources, including:
 - a. The EPA's Estimation Program Interface (EPI) Suite Experimental Data Table
 - b. EPI Suite chemical searches
 - c. Published Industry technical papers or data sheets
 - d. MSDSs

3. Third priority is given to modeled or estimated data. This is arrived at through:
 - a. The EPA's EPI Suite – either:
 - i. Through direct use of the EPI Suite program (available from EPA's website: <http://www.epa.gov/oppt/exposure/pubs/episuitedi.htm>)
 - ii. By proxy, using the Royal Society of Chemistry (RSC) "ChemSpider" free chemical database
 - b. The ACD I-Lab Physical Chemistry Model – by proxy using the Royal Society of Chemistry (RSC) "ChemSpider" free chemical database
 - c. Logarithmic interpolation between the chemical's boiling point and a second known vapor pressure & temperature data set. [see section 3]
 - d. Aqueous solutions for which the MSDS shows no contribution other than density in physical properties (i.e. VP, BP, MP are that of water) are assigned a hazardous component VP of 1E-05 for calculation purposes.
4. Last priority is given to values approximated from analogous materials. It is understood that such values are approximations only; however these are useful in that (in this PAC revision) these values have been applied only to chemicals having VPs below 1mmHg. In the Q-value threshold calculation process, it is not relevant how far the VP is below 1mmHg.

2.4.3 Application of Referenced Data to Fill in Gaps

In many instances, it is possible to utilize data from the sources described in 2.4.2 to fill in data gaps present in the PAC input table.

1. In all instances where this data is used to re-assign physical form, only experimentally-derived data is applied.
2. In all instances where experimental data is available to fill in gaps, these values will be added to the listing.
3. In instances where EPI Suite-estimated values for MP & BP are available to fill in gaps, these values will be added to the table only if they are both credible & consistent with experimentally-derived data.
4. In instances where table 1 data is significantly at odds with published data for a chemical, corrections applied will also be noted in the Reference Documentation field.

3 Model for Estimation of Vapor Pressure Using Boiling Point and a Known Vapor Pressure Point

3.1 Basis and Equations

The basis for this model is linear interpolation of the natural log of vapor pressure (VP) with the inverse of absolute temperature.

$$\ln(VP) = B \frac{1}{T} + A \quad \text{Equation 1}$$

$$A = \ln(BPP - \frac{B}{BP}) \quad \text{Equation 2}$$

$$B = \frac{\ln(BPP) - \ln(VP_1)}{(BP)^{-1} - (T_1)^{-1}} \quad \text{Equation 3}$$

Where

VP = Desired Vapor Pressure [mmHg]

T = Temperature for desired vapor pressure [°K]

A and B are coefficients in equation 1, represented by equations 2 and 3 respectively

And

BPP = Boiling Point Pressure [mmHg]

BP = Boiling Point [°K]

VP₁ = known VP [mmHg]

T₁ = Temperature for known VP [°K]

3.2 Sample Calculation

Ethyl acetate has a VP of 118.3 mmHg at 29.5°C and a normal boiling point of 77.1°C. Vapor pressure at 25°C may be estimated as follows:

$$B = \frac{\ln(760) - \ln(118.3)}{(77.1 + 273.15)^{-1} - (29.5 + 273.15)^{-1}} = -4142.351$$

$$A = \ln(760 - \frac{(-4142.351)}{(77.1 + 273.15)}) = 18.460$$

$$\ln(VP) = (-4142.351) \frac{1}{(25 + 273.15)} + 18.460 = 4.566$$

$$VP = 96.22 \text{ mmHg}$$

The published, experimentally-derived VP for ethyl acetate at 25°C is 93.2 mmHg. The percent error for this method in this instance is:

$$\frac{96.22 - 93.2}{93.2} \times 100\% = 3.2\%$$

Using the Antoine equation:

$$\log(VP) = A - \frac{B}{T + C}$$

Where

VP = Desired Vapor Pressure [mmHg]

T = Temperature for desired vapor pressure [°C]

And (for ethyl acetate)

$$A = 7.10197$$

$$B = 1244.951$$

$$C = 217.881$$

$$\log(VP) = 7.10197 - \frac{1244.951}{25 + 217.881} = 1.976$$

$$VP = 94.67 \text{ mmHg}$$

With a percent error of:

$$\frac{94.67 - 93.2}{93.2} \times 100\% = 1.6\%$$

As such this interpolation model appears to be a credible methodology for VP estimation should the coefficients required for the Antoine (or other) methodologies be unavailable.

Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2	1	Acacia; (Gum arabic)	9000-01-5	009000-01-5	240000	S	9.180E+01	7.600E+02	2.800E+02	7.500E-03	2.400E+01		PAC 27 Listing Table 1
3	2	Acenaphthene	83-32-9	000083-32-9	154.22	S	9.500E+01	7.600E+02	2.775E+02	1.000E+01	1.312E+02		PAC 27 Listing Table 1
4	3	Acenaphthylene	208-96-8	000208-96-8	152.19	S	9.180E+01	7.600E+02	2.800E+02	7.500E-03	2.400E+01		PAC 27 Listing Table 1
5	4	Acetaldehyde	75-07-0	000075-07-0	44.05	G	-1.234E+02	7.600E+02	2.010E+01	7.500E+02	2.000E+01		PAC 27 Listing Table 1
6	5	Acetamide	60-35-5	000060-35-5	59.067	S	8.016E+01	7.600E+02	2.220E+02	4.000E-02	2.500E+01		PAC 27 Listing Table 1
7	6	Acetanilide	103-84-4	000103-84-4	135.18	S	1.135E+02	7.600E+02	3.050E+02	1.000E+00	1.140E+02		PAC 27 Listing Table 1
8	7	Acetic acid	64-19-7	000064-19-7	60.05	L	1.664E+01	7.600E+02	1.179E+02	1.573E+01	2.500E+01	1.573E+01	DAUBERT, TE & DANNER, RP (1985)
9	8	Acetic acid ethenyl ester, polymer with 1,1-bis(ethenyloxy) butane and ethenol	27360-07-2	027360-07-2		S							PAC 27 Listing Table 1
10	9	Acetic acid, 2-propenyl ester	591-87-7	000591-87-7	100.13	L				2.720E+01	2.500E+01	2.720E+01	DAUBERT, TE & DANNER, RP (1996)
11	10	Acetic acid, lithium salt	546-89-4	000546-89-4	67	S	2.800E+02						PAC 27 Listing Table 1
12	11	Acetic acid, manganese(2+) salt, tetrahydrate	6156-78-1	006156-78-1	245.12	S							PAC 27 Listing Table 1
13	12	Acetic acid, manganese(II) salt (2:1)	638-38-0	000638-38-0	173.04	S	2.100E+02						PAC 27 Listing Table 1
14	13	Acetic anhydride	108-24-7	000108-24-7	102.1	L	-7.310E+01	7.600E+02	1.396E+02	5.100E+00	2.500E+01	5.100E+00	LIIDE, DR (1996)
15	14	Acetone	67-64-1	000067-64-1	58.08	L	-9.470E+01	7.600E+02	5.605E+01	2.315E+02	2.500E+01	2.315E+02	ALARIE, Y ET AL. (1995)
16	15	Acetone thiosemicarbazide	1752-30-3	001752-30-3	131.22	S							PAC 27 Listing Table 1
17	16	Acetone-d6	666-52-4	000666-52-4	64.1164	L	-9.300E+01	7.600E+02	5.550E+01	2.320E+02	2.500E+01	2.320E+02	EPI Suite - ChemSpider Database
18	17	Acetonitrile	75-05-8	000075-05-8	41.05	L	-4.382E+01	7.600E+02	8.165E+01	8.880E+01	2.500E+01	8.880E+01	BOUBLIK, T ET AL. (1984)
19	18	Acetonitrile-d3	2206-26-0	002206-26-0	44.0707	L		7.600E+02	8.070E+01	8.880E+01	2.500E+01	8.880E+01	EPI Suite - ChemSpider Database
20	19	Acetophenone	98-86-2	000098-86-2	120.149	L	2.050E+01	7.600E+02	2.020E+02	3.970E-01	2.500E+01	3.970E-01	DAUBERT, TE & DANNER, RP (1985)
21	20	Acetoxytriphenylstannane	900-95-8	000900-95-8	409.07	S	1.220E+02			1.9 uPa	2.000E+01		PAC 27 Listing Table 1
22	21	Acetyl bromide	506-96-7	000506-96-7	122.948	S	-9.650E+01	7.600E+02	7.670E+01	1.220E+02	2.500E+01		PAC 27 Listing Table 1
23	22	Acetyl carbinol; (Acetol (1); 1-Hydroxy-2-propanone)	116-09-6	000116-09-6	74.09	L	-7.000E+00	7.600E+02	1.460E+02	1.914E+00	2.500E+01	1.914E+00	ACD Labs Physical Chemistry Suite
24	23	Acetyl chloride	75-36-5	000075-36-5	78.5	L	-1.128E+02	7.600E+02	5.070E+01	2.870E+02	2.500E+01	2.870E+02	PAC 27 Listing Table 1
25	24	Acetyl triethyl citrate	77-89-4	000077-89-4	318.36	S		4.000E+01	2.140E+02				PAC 27 Listing Table 1
26	25	Acetylaminofluorene, 2-	53-96-3	000053-96-3	223.27	S	1.930E+02						PAC 27 Listing Table 1
27	26	Acetylaminofluorenone, 2-	3096-50-2	003096-50-2	237.27	S							PAC 27 Listing Table 1
28	27	Acetylene	74-86-2	000074-86-2	26.04	G	-8.070E+01	7.600E+02	8.400E+01	4.040E+04	2.500E+01		PAC 27 Listing Table 1
29	28	Acrolein	107-02-8	000107-02-8	56.063	L	-8.770E+01	7.600E+02	5.260E+01	2.740E+02	2.500E+01	2.740E+02	PAC 27 Listing Table 1
30	29	Acrylamide	79-06-1	000079-06-1	71.078	S	8.450E+01	7.600E+02	1.926E+02	7.500E-01	1.096E+02		PAC 27 Listing Table 1
31	30	Acrylamide, N,N'-methylenebisacrylamide copolymer	25034-58-6	025034-58-6	154.19	S	185 dec						PAC 27 Listing Table 1
32	31	Acrylic acid	79-10-7	000079-10-7	72.06	L	1.250E+01	7.600E+02	1.410E+02	3.970E+00	2.500E+01	3.970E+00	DAUBERT, TE & DANNER, RP (1987)
33	32	Acrylic acid polymers; (Acrylic polymer or resin)	9003-01-4	009003-01-4	168.06	S							PAC 27 Listing Table 1
34	33	Acrylonitrile	107-13-1	000107-13-1	53.063	L	-8.348E+01	7.600E+02	7.730E+01	1.085E+02	2.500E+01	1.085E+02	DAUBERT, TE & DANNER, RP (1985)
35	34	Acrylyl chloride; (Acryloyl chloride)	814-68-6	000814-68-6	90.51	L		7.600E+02	7.550E+01	3.000E+02	2.500E+01	3.000E+02	PAC 27 Listing Table 1
36	35	Adamsite; (Phenarsazine chloride)	578-94-9	000578-94-9	277.59	S	1.950E+02	7.600E+02	4.100E+02				PAC 27 Listing Table 1
37	36	Adipic acid	124-04-9	000124-04-9	146.16	S	1.520E+02	7.600E+02	3.375E+02	1.000E+00	1.595E+02		PAC 27 Listing Table 1
38	37	Adipic acid, diethylene glycol, trimethylolpropane, phthalic anhydride, toluenediisocyanate polymer, isocyanate terminated	68609-57-4	068609-57-4		S							PAC 27 Listing Table 1
39	38	Adiponitrile	111-69-3	000111-69-3	108.16	S	1.000E+00	7.600E+02	2.950E+02	6.800E-04	2.500E+01		PAC 27 Listing Table 1
40	39	Aerosol, A-102; (Poly(oxy-1,2-ethanediyl), alpha-{3-carboxy-1-oxo-3-sulfopropyl}-omega-(dodecyloxy)-, disodium salt)	39354-45-5	039354-45-5		L	0.000E+00	7.600E+02	1.000E+02	1.000E-05	2.500E+01	1.000E-05	MSDS, Alken-Murray Corp.; Aqueous solution of material having negligible vapor pressure at 25°C. VP of 1E-5 assigned for calculation purposes
41	40	Agar	9002-18-0	009002-18-0		S							PAC 27 Listing Table 1
42	41	Agarose, type VII (low gelling temperature); (Sephacrose)	9012-36-6	009012-36-6		S	2.600E+02						PAC 27 Listing Table 1
43	42	Alamine 336	68814-95-9	068814-95-9		S							PAC 27 Listing Table 1
44	43	Albumin (bovine)	9048-46-8	009048-46-8	65000	S							PAC 27 Listing Table 1
45	44	Alcohol oxidase	9073-63-6	009073-63-6		S							PAC 27 Listing Table 1
46	45	Alcohols, C6-C12 (N.O.S.)	68603-15-6	068603-15-6		L	-4.460E+01	7.600E+02	1.576E+02	8.810E-01	2.500E+01	8.810E-01	EPI Suite Mean VP of Antoine & Grain Methods
47	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	000309-00-2	364.91	S	1.040E+02	2.000E+00	1.450E+02	1.200E-04	2.500E+01		PAC 27 Listing Table 1
48	47	Aldrithiol-2; (2,2'-Dithiodipyridine)	2127-03-9	002127-03-9	220.3066	S	56-60						PAC 27 Listing Table 1
49	48	Aliquat 336; (Adogen 464; Quaternary ammonium compounds, tri(C8-10)-alkylmethyl-, chlorides)	63393-96-4	063393-96-4		L				1.880E-12	2.500E+01	1.880E-12	EPI Suite Modified Grain Method
50	49	Alizarin; (1,2-Dihydroxyanthraquinone; Turkey red oil)	72-48-0	000072-48-0	240.22	S	2.890E+02	7.600E+02	4.300E+02				PAC 27 Listing Table 1
51	50	Alizarine Red S, Monohydrate; (Sodium alizarin-3-sulfonate)	130-22-3	000130-22-3	342.26	S							PAC 27 Listing Table 1
52	51	Alkanes, C4-C12	68333-81-3	068333-81-3	114	L				5.130E+02	2.500E+01	5.130E+02	EPI Suite Mean VP of Antoine & Grain Methods
53	52	Alkenyl dimethylethyl ammonium bromide; (Aliphatic hydrocarbon)	z-0108	00000z-0108		S							PAC 27 Listing Table 1
54	53	Alkyl benzenes (C8-C9)	z-0109	00000z-0109		L				2.170E-03	2.500E+01	2.170E-03	EPI Suite Modified Grain Method - based upon Alkyl Benzene (C-4-C16) 68648-86-2
55	54	Alkyl dimethylbenzyl ammonium chloride; (Benzalkonium chloride)	8001-54-5	008001-54-5		S	3.437E+01						PAC 27 Listing Table 1
56	55	Alkylamines	63231-48-1	063231-48-1		G							PAC 27 Listing Table 1
57	56	Alkylbenzene (C10-C16)	68648-87-3	068648-87-3		S							PAC 27 Listing Table 1
58	57	Alkylbenzylidimethyl ammonium chloride, (C12-C18)	68391-01-5	068391-01-5		S							PAC 27 Listing Table 1
59	58	Allene; (1,2-Propadiene)	463-49-0	000463-49-0	40.06	G	-1.460E+02	7.600E+02	-3.200E+01				PAC 27 Listing Table 1
60	59	Allyl alcohol	107-18-6	000107-18-6	58.079	L	-1.290E+02	7.600E+02	9.740E+01	2.610E+01	2.500E+01	2.610E+01	DAUBERT, TE & DANNER, RP (1989)
61	60	Allyl bromide; (3-Bromopropene)	106-95-6	000106-95-6	120.99	L	-1.190E+02	7.600E+02	7.130E+01	1.420E+02	2.500E+01	1.420E+02	EPI Suite Mean VP of Antoine & Grain Methods

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
62	61	Allyl chloride	107-05-1	000107-05-1	76.53	L	-1.345E+02	7.600E+02	4.510E+01	3.679E+02	2.500E+01	3.679E+02	BOUBLIK,T ET AL. (1984)
63	62	Allyl chlorocarbonate	2937-50-0	002937-50-0	120.54	L	-8.000E+01	7.600E+02	1.095E+02	2.000E+01	2.500E+01	2.000E+01	PAC 27 Listing Table 1
64	63	Allyl isothiocyanate; (Mustard oil)	57-06-7	000057-06-7	99.16	L	-8.000E+01	7.600E+02	1.507E+02	3.698E+00	2.500E+01	3.698E+00	BOUBLIK,T ET AL. (1984)
65	64	Allylamine	107-11-9	000107-11-9	57.11	L		7.600E+02	5.800E+01	2.420E+02	2.500E+01	2.420E+02	DAUBERT,TE & DANNER,RP (1989)
66	65	Allylmagnesium bromide	1730-25-2	001730-25-2	145.2815	S							PAC 27 Listing Table 1
67	66	Allyltrichlorosilane	107-37-9	000107-37-9	175.52	S	3.500E+01	7.600E+02	1.175E+02	5.300E+01	4.750E+01		PAC 27 Listing Table 1
68	67	Alpha,alpha,4-trimethyl-3-cyclohexene-1-methanol, (S)-; (alpha-Terpineol)	10482-56-1	010482-56-1	154.28	S	4.050E+01	7.600E+02	2.200E+02				PAC 27 Listing Table 1
69	68	Alpha-hydroxybenzeneacetic acid, (+-); (DL-mandelic acid)	611-72-3	000611-72-3	152.1494	S	1.190E+02						PAC 27 Listing Table 1
70	69	Aluminon	569-58-4	000569-58-4	473.43	S	2.205E+02		dec				PAC 27 Listing Table 1
71	70	Aluminum	7429-90-5	007429-90-5	26.98	S	6.603E+02		2.519E+03	1.000E+00	1.284E+03		PAC 27 Listing Table 1
72	71	Aluminum acetate, basic	7360-44-3	007360-44-3	120.04	S							PAC 27 Listing Table 1
73	72	Aluminum carbide	1299-86-1	001299-86-1	143.9586	S	2.100E+03		2.200E+03				PAC 27 Listing Table 1
74	73	Aluminum chloride	7446-70-0	007446-70-0	133.33	S	192 @ 2.5 atm		1.810E+02	1.000E+00	1.000E+02		PAC 27 Listing Table 1
75	74	Aluminum chloride hexahydrate	7784-13-6	007784-13-6	241.45	S	100 dec		1.827E+02	1.000E+00	1.000E+02		PAC 27 Listing Table 1
76	75	Aluminum fluoride	7784-18-1	007784-18-1	84	S	2,250 triple pt		1.276E+03	1.000E+00	1.238E+03		PAC 27 Listing Table 1
77	76	Aluminum grey LB; (Acid black 60)	12218-95-0	012218-95-0	877.8543	S							PAC 27 Listing Table 1
78	77	Aluminum hexafluorosilicate	17099-70-6	017099-70-6	480.23	S	>500 dec						PAC 27 Listing Table 1
79	78	Aluminum hydroxide	21645-51-2	021645-51-2	78.004	S	3.000E+02						PAC 27 Listing Table 1
80	79	Aluminum oxide hydrate	1333-84-2	001333-84-2	137.99	S	loses H2O 300C						PAC 27 Listing Table 1
81	80	Aluminum oxide; (Alumina)	1344-28-1	001344-28-1	101.96	S	2.054E+03		2.977E+03	7.500E+00	2.351E+03		PAC 27 Listing Table 1
82	81	Aluminum phosphate; (Phosphoric acid, aluminum salt (1:1), solution)	7784-30-7	007784-30-7	121.95	L		7.600E+02	1.000E+02	2.900E-02	2.000E+01	6.427E-02	Estimated using MSDS data, Genium's Reference Collection, NOV1997
83	82	Aluminum phosphide	20859-73-8	020859-73-8	57.95	S	2550 triple pt						PAC 27 Listing Table 1
84	83	Aluminum potassium sulfate	10043-67-1	010043-67-1	258.2	S	9.200E+01						PAC 27 Listing Table 1
85	84	Aluminum potassium sulfate, dodecahydrate	7784-24-9	007784-24-9	474.39	S	1.050E+02						PAC 27 Listing Table 1
86	85	Aluminum sulfate	10043-01-3	010043-01-3	342.151	S	1040 dec						PAC 27 Listing Table 1
87	86	Aluminum tris(dihydrogen phosphate); (Phosphoric acid, aluminum salt (3:1))	13530-50-2	013530-50-2	320.96672	S							PAC 27 Listing Table 1
88	87	Aluminum yellow 4A; (Acid yellow 99)	10343-58-5	010343-58-5	517.3	S							PAC 27 Listing Table 1
89	88	Aluminum(III) isopropylate	555-31-7	000555-31-7	204.28	S		1.000E+01	1.250E+02				PAC 27 Listing Table 1
90	89	Aluminum(III) nitrate (1:3)	13473-90-0	013473-90-0	212.997	S	dec						PAC 27 Listing Table 1
91	90	Aluminum(III) nitrate nonahydrate (1:3:9)	7784-27-2	007784-27-2	375.19	S	7.350E+01		1.500E+02				PAC 27 Listing Table 1
92	91	Aluminum(III) silicate (2:1); (Kyanite; Oil-dri)	1302-76-7	001302-76-7	162.05	S	1000 dec						PAC 27 Listing Table 1
93	92	Amberlite IR-120(PLUS) ion-exchange resin	78922-04-0	078922-04-0		S							PAC 27 Listing Table 1
94	93	Amberlite IR-120plus ion-exchange resin, sodium form; (Cation exchange resin)	9002-23-7	009002-23-7		S				1.700E+01	2.000E+01		PAC 27 Listing Table 1
95	94	Amberlite IRA-400(Cl); (Amberlite IRA-400, ion-exchange resin)	9002-24-8	009002-24-8		S							PAC 27 Listing Table 1
96	95	Amberlite IRA-400(CL); (Ion exchange resin)	122560-63-8	122560-63-8		S							PAC 27 Listing Table 1
97	96	Amberlite MB-1 ion-exchange resin; (Amberlite MB-150)	100915-96-6	100915-96-6		S	0.000E+00		1.000E+02				PAC 27 Listing Table 1
98	97	Amberlite XAD-16 resin	104219-63-8	104219-63-8		S							PAC 27 Listing Table 1
99	98	Amberlite XAD-2 resin, purified	9060-05-3	009060-05-3		S							PAC 27 Listing Table 1
100	99	Amberlite XAD-7HP	37380-43-1	037380-43-1		S							PAC 27 Listing Table 1
101	100	Amberlyst 15 ion-exchange resin	9037-24-5	009037-24-5		S				1.700E+01	2.000E+01		PAC 27 Listing Table 1
102	101	Amino-1,3-naphthalenedisulfonic acid, 7-	86-65-7	000086-65-7	303.32	S							PAC 27 Listing Table 1
103	102	Amino-1-propanol, 3-	156-87-6	000156-87-6	75.13	L	1.240E+01	7.600E+02	1.870E+02	7.710E-02	2.500E+01	7.710E-02	DAUBERT,TE & DANNER,RP (1989)
104	103	Amino-2-(hydroxymethyl)-1,3-propanediol, 2-, acetate salt; (Trizma acetate)	6850-28-8	006850-28-8	181.1882	S							PAC 27 Listing Table 1
105	104	Amino-2-methyl-2-propanol, 1-	2854-16-2	002854-16-2	89.16	L	-1.367E+01	7.600E+02	1.510E+02	3.310E+00	2.500E+01	3.310E+00	EPI Suite Mean VP of Antoine & Grain Methods
106	105	Amino-4,6-dinitrotoluene, 2-	35572-78-2	035572-78-2	197.17	S							PAC 27 Listing Table 1
107	106	Aminoacetaldehyde diethyl acetal; (2,2-Diethoxyethylamine)	645-36-3	000645-36-3	133.189	L	-7.800E+01	7.600E+02	1.600E+02	2.180E+00	2.500E+01	2.180E+00	EPI Suite Mean VP of Antoine & Grain Methods
108	107	Aminoacetaldehyde dimethyl acetal; (2,2-Dimethoxyethylamine)	22483-09-6	022483-09-6	105.1356	L	-3.378E+01	7.600E+02	1.350E+02	1.380E+01	2.500E+01	1.380E+01	EPI Suite Mean VP of Antoine & Grain Methods, corrected error in MW
109	108	Aminoanthraquinone, 2-	117-79-3	000117-79-3	223.24	S	302-306		subl				PAC 27 Listing Table 1
110	109	Aminobenzoic acid, p-	150-13-0	000150-13-0	137.15	S	1.885E+02			2.800E-04	2.500E+01		PAC 27 Listing Table 1
111	110	Aminobutyl)diethoxymethylsilane, (4-	3037-72-7	003037-72-7	205.42	L		7.600E+02	2.200E+02	6.000E-02	2.500E+01	6.000E-02	PAC 27 Listing Table 1
112	111	Aminodiphenyl, p-	92-67-1	000092-67-1	169.222	S	5.350E+01		3.020E+02	5.79x10-4	2.500E+01		PAC 27 Listing Table 1
113	112	Aminoethoxy)ethanol, 2-(2-	929-06-6	000929-06-6	105.16	L	-1.250E+01	7.600E+02	2.210E+02	1.540E-03	2.500E+01	1.540E-03	DAUBERT,TE & DANNER,RP (1989)
114	113	Aminoethyl)diphenylborinic acid, o-(2-; (Diphenylboronic acid, ethanolamine ester)	524-95-8	000524-95-8	225.12	S							PAC 27 Listing Table 1
115	114	Aminoethylethanolamine	111-41-1	000111-41-1	104.18	L		7.600E+02	2.437E+02	8.190E-03	2.500E+01	8.190E-03	DAUBERT,TE & DANNER,RP (1989)
116	115	Aminoethylpiperazine, N-	140-31-8	000140-31-8	129.203	L	1.760E+01	7.600E+02	2.200E+02	9.480E-02	2.500E+01	9.480E-02	EPI Suite Modified Grain Method
117	116	Aminoheptane, 3-; (3-Heptylamine)	28292-42-4	028292-42-4	115.25	L	-3.298E+01	7.600E+02	1.438E+02	5.350E+00	2.500E+01	5.350E+00	EPI Suite Mean VP of Antoine & Grain Methods
118	117	Aminoiminomethyl)urea sulfate(2:1), (	591-01-5	000591-01-5	302.2646	S	1.900E+02						PAC 27 Listing Table 1
119	118	Aminophenol, 2-; (Aminophenol, o-)	95-55-6	000095-55-6	109.14	S	1.730E+02		subl 174	5.000E-04	2.500E+01		PAC 27 Listing Table 1
120	119	Aminophenol, m-	591-27-5	000591-27-5	109.14	S	1.230E+02		1.640E+02				PAC 27 Listing Table 1
121	120	Aminopropiophenone, 4-	70-69-9	000070-69-9	149.21	S	1.400E+02						PAC 27 Listing Table 1
122	121	Aminopropylmethyldiethoxysilane, 3-	3179-76-8	003179-76-8	191.39	L	-2.000E+01	7.600E+02	1.970E+02	1.180E-01	2.500E+01	1.180E-01	EPI Suite Modified Grain Method

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	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
123	122	Aminopropyltriethoxysilane; (3-(Triethoxysilyl)-1-propanamine)	919-30-2	000919-30-2	221.42	L	-7.000E+01	7.600E+02	2.170E+02	7.340E-02	2.500E+01	7.340E-02	EPI Suite Modified Grain Method
124	123	Aminopterin; (Aminopteridine)	54-62-6	000054-62-6	440.47	S							PAC 27 Listing Table 1
125	124	Aminopyrazine	5049-61-6	005049-61-6	95	S							PAC 27 Listing Table 1
126	125	Aminopyridine, 4-; (4-Pyridinamine)	504-24-5	000504-24-5	94.13	S	1.580E+02		2.730E+02				PAC 27 Listing Table 1
127	126	Amiton oxalate	3734-97-2	003734-97-2	359.42	S	9.800E+01	2.000E-01	1.100E+02	1.000E-02	8.000E+01		PAC 27 Listing Table 1
128	127	Amiton; (O,O-Diethyl-S-(2-diethylaminoethyl) thiophosphate)	78-53-5	000078-53-5	269.38	L		2.000E-01	1.100E+02	2.670E-04	2.500E+01	2.670E-04	EPI Suite Modified Grain Method
129	128	Amitrole	61-82-5	000061-82-5	84.08	S	1.590E+02			4.4x10-7	2.500E+01		PAC 27 Listing Table 1
130	129	Ammonia	7664-41-7	007664-41-7	17.031	G	-7.770E+01		-3.330E+01	7.500E+02	-3.360E+01		PAC 27 Listing Table 1
131	130	Ammonia-d3	13550-49-7	013550-49-7	20.0487	G							PAC 27 Listing Table 1
132	131	Ammonium acetate	631-61-8	000631-61-8	77.1	S	1.140E+02						PAC 27 Listing Table 1
133	132	Ammonium aluminum fluoride; (Triammonium hexafluoroaluminate)	7784-19-2	007784-19-2	195.13	S							PAC 27 Listing Table 1
134	133	Ammonium benzoate	1863-63-4	001863-63-4	139.17	S	198 decom		160 sublims				PAC 27 Listing Table 1
135	134	Ammonium bicarbonate	1066-33-7	001066-33-7	79.1	S	1.075E+02						PAC 27 Listing Table 1
136	135	Ammonium bisulfate; (Ammonium hydrogen sulfate)	7803-63-6	007803-63-6	115.11	S	1.469E+02						PAC 27 Listing Table 1
137	136	Ammonium bisulfite; (Ammonium hydrogen sulfite)	10192-30-0	010192-30-0	99.11	S	dec		150 subl				PAC 27 Listing Table 1
138	137	Ammonium bromide	12124-97-9	012124-97-9	97.96	S	4.452E+03		235 in vacuum	1.000E+00	1.983E+02		PAC 27 Listing Table 1
139	138	Ammonium carbamate; (Carbamic acid, ammonium salt)	1111-78-0	001111-78-0	78.09	S	60 sublims		6.000E+01				PAC 27 Listing Table 1
140	139	Ammonium carbonate	506-87-6	000506-87-6	96.11	S	1.075E+02		dec				PAC 27 Listing Table 1
141	140	Ammonium chloride	12125-02-9	012125-02-9	53.5	S	3.378E+02		5.200E+02	1.000E+00	160.4 subl		PAC 27 Listing Table 1
142	141	Ammonium chromate	7788-98-9	007788-98-9	152.1	S	180 decom						PAC 27 Listing Table 1
143	142	Ammonium citrate	7632-50-0	007632-50-0	226.18	S							PAC 27 Listing Table 1
144	143	Ammonium citrate tribasic	3458-72-8	003458-72-8	243.2162	S							PAC 27 Listing Table 1
145	144	Ammonium citrate, dibasic	3012-65-5	003012-65-5	226.19	S			decom				PAC 27 Listing Table 1
146	145	Ammonium dichromate	7789-09-5	007789-09-5	252.1	S	dec						PAC 27 Listing Table 1
147	146	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	7722-76-1	007722-76-1	115.03	S	1.900E+02						PAC 27 Listing Table 1
148	147	Ammonium ferrous sulfate hexahydrate	7783-85-9	007783-85-9	356.09	S							PAC 27 Listing Table 1
149	148	Ammonium fluoborate	13826-83-0	013826-83-0	104.86	S	2.300E+02		238 subl				PAC 27 Listing Table 1
150	149	Ammonium fluoride	12125-01-8	012125-01-8	37.05	S	2.380E+02						PAC 27 Listing Table 1
151	150	Ammonium formate	540-69-2	000540-69-2	63.07	S	1.160E+02		180 dec				PAC 27 Listing Table 1
152	151	Ammonium hexachlorohydrate (III)	z-0001	00000z-0001		S							PAC 27 Listing Table 1
153	152	Ammonium hexafluorosilicate; (Ammonium silicofluoride)	16919-19-0	016919-19-0	178.19	S	subl						PAC 27 Listing Table 1
154	153	Ammonium hydrogen fluoride; (Ammonium bifluoride)	1341-49-7	001341-49-7	57.06	S	1.260E+02		2.390E+02				PAC 27 Listing Table 1
155	154	Ammonium hydrogen oxalate hemihydrate	37541-72-3	037541-72-3	232.146	S	220						PAC 27 Listing Table 1
156	155	Ammonium hydroxide	1336-21-6	001336-21-6	35.046	G	-7.700E+01	7.600E+02	3.600E+01	2.160E+03	2.500E+01		PAC 27 Listing Table 1
157	156	Ammonium iodide	12027-06-4	012027-06-4	145	S	551 subl		220 vac	1.000E+00	2.109E+02		PAC 27 Listing Table 1
158	157	Ammonium lactate	515-98-0	000515-98-0	107.11	S	9.200E+01						PAC 27 Listing Table 1
159	158	Ammonium lignin sulfonate	8061-53-8	008061-53-8		S							PAC 27 Listing Table 1
160	159	Ammonium molybdate(VI) tetrahydrate	12054-85-2	012054-85-2	1235.87	S	9.000E+01		180 dec				PAC 27 Listing Table 1
161	160	Ammonium molybdate; (Diammonium molybdate)	13106-76-8	013106-76-8	196.04	S	dec						PAC 27 Listing Table 1
162	161	Ammonium molybdophosphate	12026-66-3	012026-66-3	1876.35	S	dec.						PAC 27 Listing Table 1
163	162	Ammonium nickel sulfate	15699-18-0	015699-18-0	286.93	S							PAC 27 Listing Table 1
164	163	Ammonium nitrate	6484-52-2	006484-52-2	80.06	S	1.696E+02		200-260 dec				PAC 27 Listing Table 1
165	164	Ammonium oxalate monohydrate	5972-73-6	005972-73-6	125.08	S							PAC 27 Listing Table 1
166	165	Ammonium oxalate; (Diammonium oxalate monohydrate)	6009-70-7	006009-70-7	142.11	S	70 decom						PAC 27 Listing Table 1
167	166	Ammonium oxalate; (Ethanedioic acid, diammonium salt)	1113-38-8	001113-38-8	124.12	S	dec						PAC 27 Listing Table 1
168	167	Ammonium pentaborate	12007-89-5	012007-89-5	272.14	S							PAC 27 Listing Table 1
169	168	Ammonium perchlorate	7790-98-9	007790-98-9	117.5	S	dec						PAC 27 Listing Table 1
170	169	Ammonium permanganate	13446-10-1	013446-10-1	136.99	S	expl						PAC 27 Listing Table 1
171	170	Ammonium persulfate	7727-54-0	007727-54-0	228.22	S	120 dec						PAC 27 Listing Table 1
172	171	Ammonium phosphate dibasic; (Diammonium phosphate)	7783-28-0	007783-28-0	132.08	S	185 dec						PAC 27 Listing Table 1
173	172	Ammonium picrate	131-74-8	000131-74-8	246.135	S	dec		423 expl				PAC 27 Listing Table 1
174	173	Ammonium polyacrylate	9003-03-6	009003-03-6		S							PAC 27 Listing Table 1
175	174	Ammonium sulfamate	7773-06-0	007773-06-0	144.124	S	1.310E+02		160 dec	0.000E+00	No temp		PAC 27 Listing Table 1
176	175	Ammonium sulfate	7783-20-2	007783-20-2	132.16	S	>280						PAC 27 Listing Table 1
177	176	Ammonium sulfide	12135-76-1	012135-76-1	68.14	S	decom		1.040E+02				PAC 27 Listing Table 1
178	177	Ammonium sulfite	10196-04-0	010196-04-0	116.14	S							PAC 27 Listing Table 1
179	178	Ammonium sulfite monohydrate	7783-11-1	007783-11-1	134.156	S	60-70		230-245 decomp				PAC 27 Listing Table 1
180	179	Ammonium tartrate; (Butanedioic acid, 2,3-dihydroxy-(2R,3R)-, ammonium salt)	14307-43-8	014307-43-8	184	S							PAC 27 Listing Table 1
181	180	Ammonium tartrate; (Diammonium tartrate)	3164-29-2	003164-29-2	184.18	S							PAC 27 Listing Table 1
182	181	Ammonium thiocyanate	1762-95-4	001762-95-4	76.13	S	1.496E+02		170 dec				PAC 27 Listing Table 1
183	182	Ammonium thiosulfate; (Ammonium hyposulfite)	7783-18-8	007783-18-8	148.22	S	150 dec						PAC 27 Listing Table 1
184	183	Ammonium tungstate(VI)	11120-25-5	011120-25-5	3042.44	S							PAC 27 Listing Table 1
185	184	Ammonium vanadate; (Ammonium vanadium oxide; Ammonium metavanadate)	7803-55-6	007803-55-6	116.979	S	200 dec						PAC 27 Listing Table 1

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1													
186	185	Ammonium, hexadecyltrimethyl-, bromide; (Hexadecyltrimethylammonium bromide)	57-09-0	000057-09-0	364.53	S	237-243						PAC 27 Listing Table 1
187	186	Ammonium, tetraethyl-, bromide; (Tetraethyl ammonium bromide)	71-91-0	000071-91-0	210.2	S	286 dec						PAC 27 Listing Table 1
188	187	Ammonium, tetramethyl-, bromide; (Tetramethylammonium bromide)	64-20-0	000064-20-0	154.08	S	dec. >230		subl. >360 dec.				PAC 27 Listing Table 1
189	188	Amosite	12172-73-5	012172-73-5	1908.6024	S							PAC 27 Listing Table 1
190	189	Amphetamine; (Benzedrine)	300-62-9	000300-62-9	135.23	L		7.600E+02	2.030E+02	2.400E-01	2.500E+01	2.400E-01	LAWRENCE,AH ET AL. (1984)
191	190	Amyl acetate	628-63-7	000628-63-7	130.21	L	-7.850E+01	7.600E+02	1.484E+02	3.500E+00	2.500E+01	3.500E+00	DAUBERT,TE & DANNER,RP (1989)
192	191	Amyl alcohol; (1-Pentanol)	71-41-0	000071-41-0	88.17	L	-7.900E+01	7.600E+02	1.378E+02	2.200E+00	2.500E+01	2.200E+00	RIDDICK,JA ET AL. (1986)
193	192	Amyl methyl ether, tert-; (TAME)	994-05-8	000994-05-8	102.2	L		7.600E+02	8.610E+01	7.520E+01	2.500E+01	7.520E+01	PAC 27 Listing Table 1
194	193	Amylamine, n-; (1-Pentylamine)	110-58-7	000110-58-7	87.19	L				3.005E+01	2.500E+01	3.005E+01	YAWS,CL (1994)
195	194	Amyltrichlorosilane; (Pentyltrichlorosilane)	107-72-2	000107-72-2	205.6	L	-2.681E+01	7.600E+02	1.720E+02	1.420E+00	2.500E+01	1.420E+00	EPI Suite Mean VP of Antoine & Grain Methods
196	195	Anhydron; (Magnesium perchlorate)	10034-81-8	010034-81-8	223.21	S	251 dec						PAC 27 Listing Table 1
197	196	Aniline	62-53-3	000062-53-3	93.127	L	-6.020E+00	7.600E+02	1.842E+02	4.900E-01	2.500E+01	4.900E-01	DAUBERT,TE & DANNER,RP (1985)
198	197	Anisidine, o-	90-04-0	000090-04-0	123.152	L	6.200E+00	7.600E+02	2.240E+02	8.000E-02	2.500E+01	8.000E-02	PAC 27 Listing Table 1
199	198	Anisidine, p-	104-94-9	000104-94-9	123.152	S	5.720E+01		2.430E+02	3.0x10-2	2.000E+01		PAC 27 Listing Table 1
200	199	Anisole; (Anisole anhydrous; Methoxybenzene)	100-66-3	000100-66-3	108.15	L	-3.730E+01	7.600E+02	1.538E+02	3.540E+00	2.500E+01	3.540E+00	AMBROSE,D ET AL. (1976)
201	200	Anthracene	120-12-7	000120-12-7	178.229	S	2.158E+02		3.399E+02	7.5x10-3	8.920E+01		PAC 27 Listing Table 1
202	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	002861-02-1	474.34	S							PAC 27 Listing Table 1
203	202	Anthranilic acid	118-92-3	000118-92-3	137.15	S	144-146		subl.				PAC 27 Listing Table 1
204	203	Antraquinone	84-65-1	000084-65-1	208.22	S	2.860E+02		3.769E+02	1.000E+00	1.900E+02		PAC 27 Listing Table 1
205	204	Antimony	7440-36-0	007440-36-0	121.76	S	6.306E+02		1.587E+03	7.5x10-3	5.340E+02		PAC 27 Listing Table 1
206	205	Antimony hydroxide	39349-74-1	039349-74-1	172.7719	S							PAC 27 Listing Table 1
207	206	Antimony oxide	1309-64-4	001309-64-4	291.518	S	6.550E+02		1.425E+03	7.5x10-3	4.261E+02		PAC 27 Listing Table 1
208	207	Antimony pentachloride	7647-18-9	007647-18-9	299.01	S	4.000E+00		1.400E+02	1.000E+00	2.270E+01		PAC 27 Listing Table 1
209	208	Antimony pentafluoride	7783-70-2	007783-70-2	216.75	L	7.000E+00	7.600E+02	1.495E+02	6.670E+02	2.500E+01	6.670E+02	EPI Suite Mean VP of Antoine & Grain Methods
210	209	Antimony pentasulfide	1315-04-4	001315-04-4	403.8	S	75 decom						PAC 27 Listing Table 1
211	210	Antimony potassium tartrate trihydrate	28300-74-5	028300-74-5	667.87	S	100 lose water						PAC 27 Listing Table 1
212	211	Antimony trichloride	10025-91-9	010025-91-9	228.119	S	7.340E+01		2.203E+02	1.000E+00	4.920E+01		PAC 27 Listing Table 1
213	212	Antimony trifluoride	7783-56-4	007783-56-4	178.75	S	2.920E+02		3.760E+02	2.000E+02	2.920E+02		PAC 27 Listing Table 1
214	213	Antimycin A	1397-94-0	001397-94-0	548.7	S				1.000E-05	2.500E+01		PAC 27 Listing Table 1
215	214	Antioxidant G-16 (most toxic antioxidant)	61373-87-3	061373-87-3		S							PAC 27 Listing Table 1
216	215	Aqua regia (75% hydrochloric + 25% nitric acid)	8007-56-5	008007-56-5	99.47	L		7.600E+02	8.300E+01	4.980E+01	2.500E+01	4.980E+01	ACD Labs Physical Chemistry Suite
217	216	Arginine, L-	74-79-3	000074-79-3	174.2	S	2.070E+02						PAC 27 Listing Table 1
218	217	Argon	7440-37-1	007440-37-1	39.94	G	-1.892E+02		-1.857E+02				PAC 27 Listing Table 1
219	218	Aromatic hydrocarbon solvents; (High flash naphtha distillates; Solvent naphtha (petroleum), light aromatic)	64742-95-6	064742-95-6	100	L	8.020E+01	7.600E+02	2.179E+02	4.000E-02	2.500E+01	4.000E-02	EPI Suite Modified Grain Method
220	219	Aromatic isocyanate mixture "SWD 305A"	z-0111	00000z-0111		L				7.760E+01	2.500E+01	7.760E+01	MSDS, SWD URETHANE COMPANY AUG93
221	220	Arsenic	7440-38-2	007440-38-2	74.92	S	817 triple point		616 sublimation point	7.5x10-3	2.800E+02		PAC 27 Listing Table 1
222	221	Arsenic acid; (o-Arsenic acid)	7778-39-4	007778-39-4	141.94	S	3.500E+01		1.600E+02				PAC 27 Listing Table 1
223	222	Arsenic pentoxide	1303-28-2	001303-28-2	229.84	S	3.150E+02						PAC 27 Listing Table 1
224	223	Arsenic trioxide	1327-53-3	001327-53-3	197.84	S	2.740E+02		4.600E+02	7.5x10-3	1.337E+02		PAC 27 Listing Table 1
225	224	Arsenous acid	13464-58-9	013464-58-9	125.94	G							PAC 27 Listing Table 1
226	225	Arsenous trichloride	7784-34-1	007784-34-1	181.27	L	-1.600E+01	7.600E+02	1.300E+02	9.910E+00	2.500E+01	9.910E+00	EPI Suite Mean VP of Antoine & Grain Methods
227	226	Arsine	7784-42-1	007784-42-1	77.95	G	-1.160E+02		-6.250E+01	1.1x10+4	2.000E+01		PAC 27 Listing Table 1
228	227	Asbestos	1332-21-4	001332-21-4		S							PAC 27 Listing Table 1
229	228	Asbestos (Chrysotile)	12001-29-5	012001-29-5		S	800-850						PAC 27 Listing Table 1
230	229	Ascaridole	512-85-6	000512-85-6	168.26	L	3.300E+00	7.600E+02	1.965E+02	6.110E-01	2.500E+01	6.110E-01	EPI Suite Mean VP of Antoine & Grain Methods
231	230	Ascarite; (Asbestos, 1332-21-4)	81133-20-2	081133-20-2		S							PAC 27 Listing Table 1
232	231	Ascorbic acid	50-81-7	000050-81-7	176.14	S	1.920E+02						PAC 27 Listing Table 1
233	232	Asphalt; (Bitumen)	8052-42-4a	008052-42-4a		S			>700 deg F	0.018 lb/sq in	210 deg F		PAC 27 Listing Table 1
234	233	Auramine; (4,4'-(Imidocarbonyl)bis(N,N-dimethylamine) monohydrochloride)	2465-27-2	002465-27-2	321.85	S	2.670E+02						PAC 27 Listing Table 1
235	234	Azaserine; (L-Serine, diazoacetate (ester))	115-02-6	000115-02-6	173.15	S	1.570E+02		decom	1.53 E-10	2.500E+01		PAC 27 Listing Table 1
236	235	Azinphos ethyl; (Ethyl guthion)	2642-71-9	002642-71-9	345.4	S	5.300E+01		111 @ 0.001 mm	3.200E-06	2.000E+01		PAC 27 Listing Table 1
237	236	Azinphos methyl; (Guthion)	86-50-0	000086-50-0	317.34	S	7.400E+01						PAC 27 Listing Table 1
238	237	Aziridine homopolymer; (Ethylenimine homopolymer; Poly(ethyleneimine))	9002-98-6	009002-98-6	10000	S	7.300E+01		1.000E+02	1.754E+01	2.000E+01		Polymer suspension in water
239	238	Azobis(2-methylpropionitrile), 2,2'-	78-67-1	000078-67-1	164.24	S	107 dec						PAC 27 Listing Table 1
240	239	Azodicarbamide; (Azodicarbonamide)	123-77-3	000123-77-3	116.1	S	2.250E+02						PAC 27 Listing Table 1
241	240	Bacto peptone	51142-18-8	051142-18-8		S							PAC 27 Listing Table 1
242	241	Barbituric acid	67-52-7	000067-52-7	128.1	S	2.450E+02		260 dec				PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
243	242	Barium	7440-39-3	007440-39-3	137.327	S	7.270E+02		1.897E+03	7.5x10-3	6.380E+02		PAC 27 Listing Table 1
244	243	Barium acetate; (Barium acetate anhydrous)	543-80-6	000543-80-6	255.44	S			725 dec				PAC 27 Listing Table 1
245	244	Barium carbonate	513-77-9	000513-77-9	197.35	S	dec						PAC 27 Listing Table 1
246	245	Barium chloride	10361-37-2	010361-37-2	208.233	S	9.610E+02		1.560E+03	essentially zero	No temp		PAC 27 Listing Table 1
247	246	Barium chloride dihydrate	10326-27-9	010326-27-9	244.28	S	9.620E+02		1.560E+03				PAC 27 Listing Table 1
248	247	Barium chromate	10294-40-3	010294-40-3	255.36	S							PAC 27 Listing Table 1
249	248	Barium cyanide	542-62-1	000542-62-1	189.38	S							PAC 27 Listing Table 1
250	249	Barium dioxide; (Barium peroxide)	1304-29-6	001304-29-6	169.34	S	4.500E+02		800 dec				PAC 27 Listing Table 1
251	250	Barium diphenylamine sulfonate	6211-24-1	006211-24-1	633.8818	S	3.000E+02						PAC 27 Listing Table 1
252	251	Barium fluoride	7787-32-8	007787-32-8	175.324	S	1.368E+03		2.260E+03				PAC 27 Listing Table 1
253	252	Barium hydrogen phosphate; (Barium phosphate dibasic)	10048-98-3	010048-98-3	233.31	S	400 dec						PAC 27 Listing Table 1
254	253	Barium hydroxide	17194-00-2	017194-00-2	171.35	S	4.080E+02						PAC 27 Listing Table 1
255	254	Barium hydroxide octahydrate	12230-71-6	012230-71-6	315.4662	S	78/408		7.800E+02	2.270E+02	7.790E+01		PAC 27 Listing Table 1
256	255	Barium metaborate	13701-59-2	013701-59-2	222.96	S	>900						PAC 27 Listing Table 1
257	256	Barium nitrate	10022-31-8	010022-31-8	261.336	S	5.900E+02						PAC 27 Listing Table 1
258	257	Barium nitrite	13465-94-6	013465-94-6	229.33808	S	2.670E+02						PAC 27 Listing Table 1
259	258	Barium oxide	1304-28-5	001304-28-5	153.326	S	1.973E+03						PAC 27 Listing Table 1
260	259	Barium permanganate	7787-36-2	007787-36-2	375.22	S	200 dec						PAC 27 Listing Table 1
261	260	Barium phosphate	13466-20-1	013466-20-1	216.3	S							PAC 27 Listing Table 1
262	261	Barium stearate	6865-35-6	006865-35-6	706.42	S	1.600E+02						PAC 27 Listing Table 1
263	262	Barium sulfate	7727-43-7	007727-43-7	233.39	S	1.580E+03		dec >1600				PAC 27 Listing Table 1
264	263	Basic Green 4; (Aizen malachite green)	569-64-2	000569-64-2	364.95	S							PAC 27 Listing Table 1
265	264	Basic Red 1; (Rhodamine 6G extra base)	989-38-8	000989-38-8	479.06	S							PAC 27 Listing Table 1
266	265	Bathophenanthroline	1662-01-7	001662-01-7	175.08	S	218-220						PAC 27 Listing Table 1
267	266	Bentonite; (Clay absorbent)	1302-78-9	001302-78-9		S							PAC 27 Listing Table 1
268	267	Benz(e)acephenanthrylene; (Benzo(b)fluoroanthene)	205-99-2	000205-99-2	252.32	S	1.680E+02			5.000E-07	2.000E+01		PAC 27 Listing Table 1
269	268	Benzal chloride	98-87-3	000098-87-3	161.03	L	-1.700E+01	7.600E+02	2.050E+02	4.700E-01	2.500E+01	4.700E-01	PERRY,RH & GREEN,D (1984)
270	269	Benzaldehyde	100-52-7	000100-52-7	106.13	L	-2.600E+01	7.600E+02	1.790E+02	1.270E+00	2.500E+01	1.270E+00	AMBROSE,D ET AL. (1975A)
271	270	Benzamide	55-21-0	000055-21-0	121.15	S	1.300E+02		2.880E+02	1.650E-04			PAC 27 Listing Table 1
272	271	Benzenamine, sulfate (2:1)	542-16-5	000542-16-5	284.3294	S							PAC 27 Listing Table 1
273	272	Benzene	71-43-2	000071-43-2	78.112	L	5.490E+00	7.600E+02	8.009E+01	9.480E+01	2.500E+01	9.480E+01	DAUBERT,TE & DANNER,RP (1989)
274	273	Benzene hexachloride; (Hexachlorocyclohexane, mixed isomers)	608-73-1	000608-73-1	290.8	S	6.500E+01			5.000E-01	6.000E+01		PAC 27 Listing Table 1
275	274	Benzene, 1-(chloromethyl)-4-nitro-; (p-Nitrobenzyl chloride)	100-14-1	000100-14-1	171.59	S	7.100E+01		2.300E+02	5.000E-02	2.500E+01		PAC 27 Listing Table 1
276	275	Benzenearsonic acid; (Phenylarsonic acid)	98-05-5	000098-05-5	202.05	S	160 dec						PAC 27 Listing Table 1
277	276	Benzene-d6; (Deuterated benzene)	1076-43-3	001076-43-3	84.16	L	7.000E+00	7.600E+02	7.900E+01	8.720E+01	2.500E+01	8.720E+01	EPI Suite Mean VP of Antoine & Grain Methods
278	277	Benzenesulfonic acid chloride; (Benzenesulfonyl chloride)	98-09-9	000098-09-9	176.62	L	1.450E+01	7.600E+02	2.510E+02	6.800E-02	2.500E+01	6.800E-02	PAC 27 Listing Table 1
279	278	Benzenesulfonic acid, 4-chloro	98-66-8	000098-66-8	192.62	S	6.700E+01						PAC 27 Listing Table 1
280	279	Benzenesulfonic acid, 5-chloro-2	z-0114	00000z-0114	192.62	S							PAC 27 Listing Table 1
281	280	Benzenetetra-carboxylic dianhydride, 1,2,4,5-	89-32-7	000089-32-7	218.12	S	285.3		397-400	4.800E-06	2.500E+01		PAC 27 Listing Table 1
282	281	Benzenethiol; (Thiophenol; Phenyl mercaptan)	108-98-5	000108-98-5	110.18	L	-1.480E+01	7.600E+02	1.695E+02	2.000E+00	2.500E+01	2.000E+00	PAC 27 Listing Table 1
283	282	Benzidene	92-87-5	000092-87-5	184.236	S	1.270E+02		4.010E+02				PAC 27 Listing Table 1
284	283	Benzo(a)anthracene	56-55-3	000056-55-3	228.29	S	1.605E+02		4.376E+02	5x10-9 torr	2.000E+01		PAC 27 Listing Table 1
285	284	Benzo(a)pyrene; (Coal tar pitch volatiles)	50-32-8	000050-32-8	252.309	S	1.811E+02		310-312 @ 10mmHg	5.49x10-9	2.500E+01		PAC 27 Listing Table 1
286	285	Benzo(ghi)perylene	191-24-2	000191-24-2	276.34	S	2.770E+02		5.500E+02	1.000E-09	2.500E+01		PAC 27 Listing Table 1
287	286	Benzo(k)fluoranthene	207-08-9	000207-08-9	252.32	S	2.170E+02		4.800E+02	9.700E-10	2.500E+01		PAC 27 Listing Table 1
288	287	Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo(8.8.8)hexacosane, 5,6-	31250-18-7	031250-18-7	424.54	S							PAC 27 Listing Table 1
289	288	Benzoic acid	65-85-0	000065-85-0	122.13	S	1.220E+02		2.490E+02	1.000E+00	9.600E+01		PAC 27 Listing Table 1
290	289	Benzoic acid, sodium salt	532-32-1	000532-32-1	144.11	S							PAC 27 Listing Table 1
291	290	Benzoin oxime	441-38-3	000441-38-3	227.28	S							PAC 27 Listing Table 1
292	291	Benzonitrile	100-47-0	000100-47-0	103.13	L	-1.280E+01	7.600E+02	1.910E+02	7.680E-01	2.500E+01	7.680E-01	DAUBERT,TE & DANNER,RP (1989)
293	292	Benzophenone	119-61-9	000119-61-9	182.23	S	4.900E+01		3.054E+02	1.000E+00	1.082E+02		PAC 27 Listing Table 1
294	293	Benzoquinone, p-; (Quinone)	106-51-4	000106-51-4	108.1	S	1.150E+02		subl.	7.5x10-3	1.780E+01		PAC 27 Listing Table 1
295	294	Benzothiazole	95-16-9	000095-16-9	135.19	L	2.000E+00	7.600E+02	2.310E+02	7.420E-02	2.500E+01	7.420E-02	EPI Suite Mean VP of Antoine & Grain Methods
296	295	Benzotriazole	95-14-7	000095-14-7	119.14	S	100		204 @ 15mm				PAC 27 Listing Table 1
297	296	Benzotrifluoride	98-08-8	000098-08-8	146.12	L	-2.895E+01	7.600E+02	1.021E+02	3.883E+01	2.500E+01	3.883E+01	PAC 27 Listing Table 1
298	297	Benzoyl chloride	98-88-4	000098-88-4	140.57	L	-5.000E-01	7.600E+02	1.970E+02	7.000E-01	2.500E+01	7.000E-01	PERRY,RH & GREEN,D (1984)
299	298	Benzoyl peroxide	94-36-0	000094-36-0	242.24	S	106-108.6		dec expls				PAC 27 Listing Table 1
300	299	Benzyl acetate	140-11-4	000140-11-4	150.19	L	-5.100E+01	7.600E+02	2.130E+02	1.770E-01	2.500E+01	1.770E-01	PAC 27 Listing Table 1
301	300	Benzyl alcohol	100-51-6	000100-51-6	108.138	L	-1.540E+01	7.600E+02	2.053E+02	9.400E-02	2.500E+01	9.400E-02	DAUBERT,TE & DANNER,RP (1989)
302	301	Benzyl aminopurine, 6-; (6-Benzyladenine)	1214-39-7	001214-39-7	225.28	S	232.8						PAC 27 Listing Table 1
303	302	Benzyl benzoate	120-51-4	000120-51-4	212.26	L	2.100E+01	7.600E+02	3.240E+02	2.200E-04	2.500E+01	2.200E-04	PAC 27 Listing Table 1
304	303	Benzyl chloride	100-44-7	000100-44-7	126.584	L	-4.500E+01	7.600E+02	1.790E+02	1.230E+00	2.500E+01	1.230E+00	LIDE,DR (1996)
305	304	Benzyl chloroformate; (Carbobenzoxy chloride)	501-53-1	000501-53-1	170.6	L		7.600E+02	1.520E+02	3.120E-03	2.500E+01	3.120E-03	DAMLE,SB (1993)

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1													
306	305	Benzyl cyanide; (Phenylacetoneitrile)	140-29-4	000140-29-4	117.16	L	-2.380E+01	7.600E+02	2.335E+02	8.940E-02	2.500E+01	8.940E-02	MERCK INDEX (1996)
307	306	Benzyl trichloride; (Trichloromethylbenzene)	98-07-7	000098-07-7	195.47	L	-4.420E+00	7.600E+02	2.210E+02	4.137E-01	2.500E+01	4.137E-01	PAC 27 Listing Table 1
308	307	Benzylamine	100-46-9	000100-46-9	107.2	L		7.600E+02	1.850E+02	6.530E-01	2.500E+01	6.530E-01	PAC 27 Listing Table 1
309	308	Benzylidimethylamine; (Dimethylbenzylamine, N,N;- BDMA)	103-83-3	000103-83-3	135.23	L	-7.500E+01	7.600E+02	1.810E+02	9.200E-01	2.500E+01	9.200E-01	EPI Suite Mean VP of Antoine & Grain Methods
310	309	Benzylidimethyloctadecylammonium chloride; (Dimethyloctadecylbenzylammonium chloride)	122-19-0	000122-19-0	424.23	S							PAC 27 Listing Table 1
311	310	Benzylmagnesium chloride	6921-34-2	006921-34-2	150.8903	S							PAC 27 Listing Table 1
312	311	Benzyltrimethylammonium hydroxide; (Triton b)	100-85-6	000100-85-6	167.28	S			1.500E+01				PAC 27 Listing Table 1
313	312	Beryllium	7440-41-7	007440-41-7	9.01	S	1.287E+03		2.471E+03	1.000E+01	1.860E+03		PAC 27 Listing Table 1
314	313	Beryllium chloride	7787-47-5	007787-47-5	79.91	S	4.150E+02		4.820E+02	1.000E+00	2.910E+02		PAC 27 Listing Table 1
315	314	Beryllium fluoride	7787-49-7	007787-49-7	47.01	S	5.520E+02		1.283E+03				PAC 27 Listing Table 1
316	315	Beryllium hydroxide	13327-32-7	013327-32-7	43.03	S	138-200 dec						PAC 27 Listing Table 1
317	316	Beryllium nitrate	13597-99-4	013597-99-4	187.07	S	~30		142 dec				PAC 27 Listing Table 1
318	317	Beryllium oxide	1304-56-9	001304-56-9	25.01	S	2.578E+03		~3900				PAC 27 Listing Table 1
319	318	Betaine, anhydrous; (Glycine betaine)	107-43-7	000107-43-7	117.17	S	>300 dec						PAC 27 Listing Table 1
320	319	Bicyclo(2.2.1)heptane-2-carbonitrile, 5-chloro-6-(((methylamino)carbonyloxy)imino)-, (1S-(1-alpha,2-beta,4-alpha,5-alpha,6E))-; (Tranid)	15271-41-7	015271-41-7	241.7	S							PAC 27 Listing Table 1
321	320	Bioxirane, 2,2'; (1,2;3,4-Diepoxybutane)	1464-53-5	001464-53-5	86.1	L	1.900E+01	7.600E+02	1.420E+02	1.600E+01	2.500E+01	1.600E+01	PAC 27 Listing Table 1
322	321	Biphenylol, 4-	92-69-3	000092-69-3	170.22	S	164-165		305-308				PAC 27 Listing Table 1
323	322	Biphenylol, sodium salt, 2-	132-27-4	000132-27-4	192.2	S							PAC 27 Listing Table 1
324	323	Bis(1,1-dimethylethyl)-4-ethylphenol, 2,6-	4130-42-1	004130-42-1	234.38	S	4.400E+01		2.720E+02				PAC 27 Listing Table 1
325	324	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6;- (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)	128-37-0	000128-37-0	220.39	S	6.800E+01		2.650E+02				PAC 27 Listing Table 1
326	325	Bis(1-methylethyl)benzene, 1,4;- (p- or 1,4-Diisopropylbenzene)	100-18-5	000100-18-5	162.27	L	-1.700E+01	7.600E+02	2.103E+02	2.460E-01	2.500E+01	2.460E-01	DAUBERT,TE & DANNER,RP (1989)
327	326	Bis(1-methylethyl)benzene; (Diisopropylbenzene)	25321-09-9	025321-09-9	162.3	L		7.600E+02	2.050E+02	3.900E-01	2.500E+01	3.900E-01	PAC 27 Listing Table 1
328	327	Bis(2,3-epoxypropoxy) butane, 1,4-	2425-79-8	002425-79-8	202.28	L		7.600E+02	2.660E+02	1.150E-02	2.500E+01	1.150E-02	EPI Suite Modified Grain Method
329	328	Bis(2-butoxyethyl) ether; (Dibutyl carbitol; Diethylene glycol dibutyl ether)	112-73-2	000112-73-2	218.38	L	-6.000E+01	7.600E+02	2.560E+02	2.606E-02	2.500E+01	2.606E-02	YAWS,CL (1994)
330	329	Bis(2-chloroethylthioethyl) ether; (2,2'-Di(3-chloroethylthio)diethyl ether)	63918-89-8	063918-89-8	263.26	L		7.600E+02	3.356E+02	1.090E-04	2.500E+01	1.090E-04	EPI Suite Modified Grain Method
331	330	Bis(2-chloroethoxy)ethane, 1,2;- (Triglycol dichloride)	112-26-5	000112-26-5	187.08	L	-3.150E+01	7.600E+02	2.413E+02	6.000E-02	2.500E+01	6.000E-02	FLICK,EW (1991)
332	331	Bis(2-chloroethyl)sulfide; (HD; Sulfur mustard)	505-60-2	000505-60-2	159.08	L	1.300E+01	7.600E+02	2.150E+02	1.100E-01	2.500E+01	1.100E-01	MUNRO,NB ET AL. (1999)
333	332	Bis(2-chloroethylthio)ethane, 1,2;- (Sesquimustard)	3563-36-8	003563-36-8	219.2	L	2.415E+01	7.600E+02	2.940E+02	2.680E-03	2.500E+01	2.680E-03	EPI Suite Modified Grain Method
334	333	Bis(2-chloroethylthio)methane	63869-13-6	063869-13-6	205.16	L	1.400E+01	7.600E+02	2.785E+02	6.030E-03	2.500E+01	6.030E-03	EPI Suite Modified Grain Method
335	334	Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7	142868-93-7	247.2404	S							PAC 27 Listing Table 1
336	335	Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8	142868-94-8	261.2672	S							PAC 27 Listing Table 1
337	336	Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2	063905-10-2	233.2136	S							PAC 27 Listing Table 1
338	337	Bis(2-chloroethylthiomethyl)ether	63918-90-1	063918-90-1	235.1862	S							PAC 27 Listing Table 1
339	338	Bis(2-ethoxyethyl) ether; (Diethyl carbitol)	112-36-7	000112-36-7	162.26	L	-4.400E+01	7.600E+02	1.890E+02	5.205E-01	2.500E+01	5.205E-01	YAWS,CL (1994)
340	339	Bis(2-ethylhexyl) hydrogen phosphate	298-07-7	000298-07-7	322.48	L	-6.000E+01	7.600E+02	1.550E+02	1.800E-07	2.500E+01	1.800E-07	EPI Suite Modified Grain Method
341	340	Bis(2-ethylhexyl) phenyl phosphate	16368-97-1	016368-97-1	398.58	S							PAC 27 Listing Table 1
342	341	Bis(2-hydroxyethyl)dodecanamide, N,N-	120-40-1	000120-40-1	287.5	S	3.670E+01						PAC 27 Listing Table 1
343	342	Bis(2-methylstyryl)benzene, 4;- (1,4-Bis(2-(2-methylphenyl)ethenyl)benzene)	13280-61-0	013280-61-0	310.43	S	1.800E+02						PAC 27 Listing Table 1
344	343	Bis(3-tert-butyl-4-hydroxy-6-methylphenyl) sulfide; (4,4'-Thiobis(6-tert-butyl-m-cresol))	96-69-5	000096-69-5	358.5378	S	1.500E+02						PAC 27 Listing Table 1
345	344	Bis(chloromethyl)ketone; (1,3-Dichloroacetone)	534-07-6	000534-07-6	126.97	S	4.500E+01		1.730E+02				PAC 27 Listing Table 1
346	345	Bis(chloromethyl)oxetane, 3,3-	78-71-7	000078-71-7	155.03	L	1.870E+01	7.600E+02	2.000E+02	5.000E-01	2.500E+01	5.000E-01	PAC 27 Listing Table 1
347	346	Bis(dimethylamino)acridine, 3,6;- (Acridine orange)	494-38-2	000494-38-2	265.39	S	180-181						PAC 27 Listing Table 1
348	347	Bis(trifluoromethyl)benzene, 1,3-	402-31-3	000402-31-3	214.11	L	-3.500E+01	7.600E+02	1.160E+02	1.870E+01	2.500E+01	1.870E+01	EPI Suite Mean VP of Antoine & Grain Methods
349	348	Bis(tris(hydroxymethyl)methylamino)propane, 1,3;- (Bis-tris propane)	64431-96-5	064431-96-5	282.3362	S	164						PAC 27 Listing Table 1
350	349	Bis[(benzo-15-crown-5)-15-ylmethyl] pimelate	69271-98-3	069271-98-3		S							PAC 27 Listing Table 1
351	350	Bisbutenylenetetrahydrofurfural; (2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde)	126-15-8	000126-15-8	204.29	L	-8.000E+01	7.600E+02	3.070E+02	1.340E-03	2.500E+01	1.340E-03	EPI Suite Modified Grain Method
352	351	Bismuth	7440-69-9	007440-69-9	208.98	S	2.713E+02		1420-1560	1.000E+00	1.021E+03		PAC 27 Listing Table 1
353	352	Bismuth acetate	22306-37-2	022306-37-2	386.111	S	250						PAC 27 Listing Table 1
354	353	Bismuth germanate	12233-73-7	012233-73-7	297.59	S							PAC 27 Listing Table 1
355	354	Bismuth hydroxide	10361-43-0	010361-43-0	260	S							PAC 27 Listing Table 1
356	355	Bismuth hydroxide nitrate oxide; (White paint)	1304-85-4	001304-85-4	1461.99	S	260 decom		2.600E+02				PAC 27 Listing Table 1
357	356	Bismuth iodide	7787-64-6	007787-64-6	589.6939	S	408		ca. 500				PAC 27 Listing Table 1
358	357	Bismuth nitrate	10361-44-1	010361-44-1	395.01	S	3.000E+01		80 dec				PAC 27 Listing Table 1
359	358	Bismuth oxide	1304-76-3	001304-76-3	465.96	S							PAC 27 Listing Table 1
360	359	Bismuth oxychloride; (Bismuth chloride oxide)	7787-59-9	007787-59-9	260.43	S			dec				PAC 27 Listing Table 1
361	360	Bismuth(III) nitrate, pentahydrate	10035-06-0	010035-06-0	485.0711	S	75						PAC 27 Listing Table 1
362	361	Bisphenol A diglycidyl ether	1675-54-3	001675-54-3	340.45	L		7.600E+02	4.210E+02	1.080E-07	2.500E+01	1.080E-07	EPI Suite Modified Grain Method
363	362	Bisphenol A; (4,4'-Isopropylidenediphenol)	80-05-7	000080-05-7	228.29	S	1.530E+02		220 @ 4mmHg	3.91x10-7	2.500E+01		PAC 27 Listing Table 1
364	363	Bitoscanate; (1,4-Phenylenediisothiocyanic acid)	4044-65-9	004044-65-9	192.26	S	1.320E+02						PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
365	364	BoBCalix; (Calix[4]arene-bis(t-octylbenzo-crown-b))	z-0110	000002-0110	1149.516	S	8.000E+01						PAC 27 Listing Table 1
366	365	Borane methyl sulfide complex; (Methyl sulfide complex with borane (1:1))	13292-87-0	013292-87-0	75.98	L	-3.700E+01	7.600E+02	4.400E+01	5.480E+01	4.000E+01	1.525E-03	MSDS, VP estimated from BP & known VP data point
367	366	Borane-tetrahydrofuran	14044-65-6	014044-65-6	85.93	L		7.600E+02	6.900E+01	1.520E+02	2.500E+01	1.520E+02	ACD Labs Physical Chemistry Suite
368	367	Borate	14213-97-9	014213-97-9	58.81	S							PAC 27 Listing Table 1
369	368	Boric acid	10043-35-3	010043-35-3	61.84	S	185 dec						PAC 27 Listing Table 1
370	369	Boric acid, tributyl ester; (Tri-n-butyl borate)	688-74-4	000688-74-4	230.2	L	-7.000E+01	7.600E+02	2.300E+02	5.262E-01	2.500E+01	5.262E-01	YAWS,CL (1994B)
371	370	Boron	7440-42-8	007440-42-8	10.81	S	2.190E+03			3.660E+03			PAC 27 Listing Table 1
372	371	Boron carbide	12069-32-8	012069-32-8	55.26	S	2.350E+03		> 3500				PAC 27 Listing Table 1
373	372	Boron nitride	10043-11-5	010043-11-5	24.82	S	2.966E+03						PAC 27 Listing Table 1
374	373	Boron oxide	1303-86-2	001303-86-2	69.62	S	4.500E+02		2.250E+03				PAC 27 Listing Table 1
375	374	Boron tribromide	10294-33-4	010294-33-4	250.54	L	-4.600E+01	7.600E+02	9.130E+01	6.480E+01	2.500E+01	6.480E+01	EPI Suite Mean VP of Antoine & Grain Methods
376	375	Boron trichloride	10294-34-5	010294-34-5	117.16	L	-1.070E+02	7.600E+02	1.250E+01	1.000E+00	2.500E+01	1.000E+00	DAUBERT,TE & DANNER,RP (1989)
377	376	Boron trifluoride	7637-07-2	007637-07-2	67.81	G	-1.284E+02		-1.000E+02	3.656E+04	-1.320E+01		PAC 27 Listing Table 1
378	377	Boron trifluoride dihydrate	13319-75-0	013319-75-0	103.85	L	6.200E+00	1.000E+00	5.850E+01	5.200E+00	2.000E+01	4.098E+00	Estimated from "Chemical Book" Data
379	378	Boron trifluoride etherate	109-63-7	000109-63-7	141.93	L	-6.040E+01	7.600E+02	1.260E+02	1.480E+01	2.500E+01	1.480E+01	EPI Suite Mean VP of Antoine & Grain Methods
380	379	Boron trifluoride-dimethyl ether	353-42-4	000353-42-4	113.89	L	-1.400E+01	7.600E+02	1.260E+02	2.000E+01	2.500E+01	2.000E+01	PAC 27 Listing Table 1
381	380	Botulinum toxin-A	93384-43-1	093384-43-1	150 kDa	S							PAC 27 Listing Table 1
382	381	Botulinum toxin-B	93384-44-2	093384-44-2		S							PAC 27 Listing Table 1
383	382	Botulinum toxin-F	107231-15-2	107231-15-2		S							PAC 27 Listing Table 1
384	383	Botulinum, clostridium	z-0119	000002-0119		S							PAC 27 Listing Table 1
385	384	Brij-35; (alpha-Dodecyl-omega-hydroxypoly(oxyethylene))	9002-92-0	009002-92-0	230.225	L	4.000E+01	7.600E+02	3.182E+02	1.770E-05	2.500E+01	1.770E-05	EPI Suite Modified Grain Method
386	385	Brilliant blue; (Acid blue 9)	2650-18-2	002650-18-2	783.01	S							PAC 27 Listing Table 1
387	386	Bromadiolone	28772-56-7	028772-56-7	527.11	S	200-210						PAC 27 Listing Table 1
388	387	Bromine	7726-95-6	007726-95-6	159.81	L	-7.200E+00	7.600E+02	5.880E+01	2.118E+02	2.500E+01	2.118E+02	DAUBERT,TE & DANNER,RP (1989)
389	388	Bromine chloride	13863-41-7	013863-41-7	115.36	S							PAC 27 Listing Table 1
390	389	Bromine pentafluoride	7789-30-2	007789-30-2	174.91	L	-6.050E+01	7.600E+02	4.050E+01	3.280E+02	2.000E+01	4.069E+02	Estimated using data from PAC 27 Listing Table 1
391	390	Bromine trifluoride	7787-71-5	007787-71-5	136.91	L	8.800E+00	7.600E+02	1.270E+02	1.800E+01	3.900E+01	8.095E+00	Estimated using data from PAC 27 Listing Table 1
392	391	Bromo acetic acid, methyl ester	96-32-2	000096-32-2	152.99	L		7.600E+02	1.450E+02	9.140E+00	2.500E+01	9.140E+00	EPI Suite Mean VP of Antoine & Grain Methods
393	392	Bromo-1-chloro-5,5-dimethylhydantoin, 3-; (Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione, 3-)	126-06-7	000126-06-7	241.47	S	1.620E+02			6.6x10-6	2.500E+01		PAC 27 Listing Table 1
394	393	Bromo-2-chloro-1,1,2-trifluoroethane, 1-; (1,1,2-Trifluoro-1-bromo-2-chloroethane)	354-06-3	000354-06-3	197.39	G	-1.680E+02		-5.780E+01	>760	2.000E+01		PAC 27 Listing Table 1
395	394	Bromo-3-chloro-5,5-dimethylhydantoin, 1-; (1-Bromo-3-chloro-5,5-dimethyl-2,4-imidazolidinedione)	16079-88-2	016079-88-2	241.49	S	163-164			6.61x10-6	2.500E+01		PAC 27 Listing Table 1
396	395	Bromo-3-methylbutane, 1-	107-82-4	000107-82-4	151.05	L	-1.120E+02	7.600E+02	1.200E+02	3.462E+01	2.500E+01	3.462E+01	HINE,J & MOOKERJEE,PJ (1975)
397	396	Bromoacetaldehyde diethyl acetal	2032-35-1	002032-35-1	197.07	S			170-172				PAC 27 Listing Table 1
398	397	Bromoacetic acid	79-08-3	000079-08-3	138.96	S	5.000E+01		2.080E+02				PAC 27 Listing Table 1
399	398	Bromoacetone	598-31-2	000598-31-2	136.98	L	-3.650E+01	7.600E+02	1.380E+02	9.000E+01	2.500E+01	9.000E+01	LEWIS,RJ (1993)
400	399	Bromoanisole, 3-; (1-Bromo-3-methoxybenzene)	2398-37-0	002398-37-0	187.03	S			2.110E+02				PAC 27 Listing Table 1
401	400	Bromobenzene; (Phenyl bromide)	108-86-1	000108-86-1	157.01	L	-3.072E+01	7.600E+02	1.561E+02	4.182E+00	2.500E+01	4.182E+00	RIDDICK,JA ET AL. (1986)
402	401	Bromochlorobenzene, m-	108-37-2	000108-37-2	191.45	L	-2.150E+01	7.600E+02	1.960E+02	4.400E-01	2.500E+01	4.400E-01	EPI Suite Mean VP of Antoine & Grain Methods
403	402	Bromochlorobenzene, p-	106-39-8	000106-39-8	191.45	S	6.800E+01		1.960E+02				PAC 27 Listing Table 1
404	403	Bromochloromethane	74-97-5	000074-97-5	129.39	L	-8.800E+01	7.600E+02	6.780E+01	1.425E+02	2.500E+01	1.425E+02	DAUBERT,TE & DANNER,RP (1989)
405	404	Bromocresol green; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-])	76-60-8	000076-60-8	698.05	S	2.185E+02						PAC 27 Listing Table 1
406	405	Bromocresol purple; (Phenol, 4,4'-(1,1-dioxido-3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-6-methyl-])	115-40-2	000115-40-2	540.222	S	2.415E+02			1.15x10E-15	2.500E+01		PAC 27 Listing Table 1
407	406	Bromocyclohexanol, cis-2-	16536-57-5	016536-57-5	179.0563	L	1.182E+01	7.600E+02	2.215E+02	1.980E-02	2.500E+01	1.980E-02	EPI Suite Mean VP of Antoine & Grain Methods
408	407	Bromodecane, 1-	112-29-8	000112-29-8	221.22	L	-2.920E+01	7.600E+02	2.406E+02	4.000E-02	2.500E+01	4.000E-02	RIDDICK,JA ET AL. (1986)
409	408	Bromodichloromethane	75-27-4	000075-27-4	163.83	L	-5.710E+01	7.600E+02	8.850E+01	5.740E+01	2.500E+01	5.740E+01	EPI Suite Mean VP of Antoine & Grain Methods
410	409	Bromododecane, 1-	143-15-7	000143-15-7	249.23	L	-1.100E+01	1.500E+01	1.450E+02	3.930E-03	2.500E+01	3.930E-03	LI,JCM & ROSSINI,FD (1953)
411	410	Bromoethane; (Ethyl bromide)	74-96-4	000074-96-4	108.98	L	-1.190E+02	7.600E+02	3.840E+01	4.670E+02	2.500E+01	4.670E+02	DAUBERT,TE & DANNER,RP (1989)
412	411	Bromoethanol, 2-; (Ethylene bromohydrin)	540-51-2	000540-51-2	124.98	L	-8.000E+01	7.600E+02	1.500E+02	1.350E+00	2.500E+01	1.350E+00	EPI Suite Mean VP of Antoine & Grain Methods
413	412	Bromoethylmagnesium	925-90-6	000925-90-6	133.27	S							PAC 27 Listing Table 1
414	413	Bromofluorobenzene, 4-; (p-Fluorobromobenzene)	460-00-4	000460-00-4	175.01	L	-1.740E+01	7.600E+02	1.515E+02	3.740E+00	2.500E+01	3.740E+00	EPI Suite Mean VP of Antoine & Grain Methods
415	414	Bromoform; (Tribromomethane)	75-25-2	000075-25-2	252.73	L	8.690E+00	7.600E+02	1.491E+02	5.400E+00	2.500E+01	5.400E+00	BOUBLIK,T ET AL. (1984)
416	415	Bromohexane; (n-Hexyl bromide)	111-25-1	000111-25-1	165.1	L	-8.470E+01	7.600E+02	1.553E+02	3.896E+00	2.500E+01	3.896E+00	LI,JCM & ROSSINI,FD (1953)
417	416	Bromomesitylene, 2-; (2-Bromo-1,3,5-trimethylbenzene)	576-83-0	000576-83-0	199.087	L	-1.000E+00	7.600E+02	2.250E+02	1.010E-01	2.500E+01	1.010E-01	EPI Suite Mean VP of Antoine & Grain Methods
418	417	Bromomethyl-1,3-dioxolane, 2-	4360-63-8	004360-63-8	167	L	-1.517E+01	2.700E+01	8.000E+01	2.340E+00	2.500E+01	2.340E+00	EPI Suite Mean VP of Antoine & Grain Methods
419	418	Bromonaphthalene	90-11-9	000090-11-9	207.08	S							PAC 27 Listing Table 1
420	419	Bromonitromethane	563-70-2	000563-70-2	139.95	L		7.600E+02	1.470E+02	3.100E+00	2.500E+01	3.100E+00	various reduced boil pts
421	420	Bromooctane , 1-; (Octyl bromide)	111-83-1	000111-83-1	193.16	L	-5.500E+01	7.600E+02	2.015E+02	3.819E-01	2.500E+01	3.819E-01	LI,JCM & ROSSINI,FD (1953)
422	421	Bromophenol blue; (Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis(2,6-dibromo-, 5,5-dioxide))	115-39-9	000115-39-9	669.99	S	279 dec						PAC 27 Listing Table 1
423	422	Bromophenyl phenyl ether, 4-	101-55-3	000101-55-3	249.11	L	1.872E+01	7.600E+02	3.101E+02	1.500E-03	2.500E+01	1.500E-03	CALLAHAN,MA ET AL. (1979)
424	423	Bromopropane, 1-	106-94-5	000106-94-5	123.01	L	-1.100E+02	7.600E+02	7.100E+01	1.108E+02	2.500E+01	1.108E+02	BOUBLIK,T ET AL. (1984)

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
425	424	Bromopropane, 2-	75-26-3	000075-26-3	122.98	L	-8.900E+01	7.600E+02	5.935E+01	2.160E+02	2.500E+01	2.160E+02	PAC 27 Listing Table 1
426	425	Bromopyrene, 3-	1714-29-0	001714-29-0	281.1511	S							PAC 27 Listing Table 1
427	426	Bromosuccinimide, N-	128-08-5	000128-08-5	178	S	174						PAC 27 Listing Table 1
428	427	Bromothymol blue; (Dibromothymolsulfonphthalein)	76-59-5	000076-59-5	624.43	S	201						PAC 27 Listing Table 1
429	428	Bromotoluene, A-; (Benzyl bromide)	100-39-0	000100-39-0	171.05	L	3.000E+00	7.600E+02	2.010E+02	4.500E-01	2.500E+01	4.500E-01	PAC 27 Listing Table 1
430	429	Bromotrichloromethane	75-62-7	000075-62-7	198.27	L	-5.800E+00	7.600E+02	1.042E+02	3.900E+01	2.500E+01	3.900E+01	PAC 27 Listing Table 1
431	430	Bromotrifluoroethylene	598-73-2	000598-73-2	160.94	G			-2.500E+00				PAC 27 Listing Table 1
432	431	Bromotrifluoromethane; (Trifluorobromomethane)	75-63-8	000075-63-8	148.91	G	-1.720E+02		-5.780E+01	7.500E+02	-5.810E+01		PAC 27 Listing Table 1
433	432	Bromotrimethylsilane; (Trimethylsilyl bromide)	2857-97-8	002857-97-8	153.09	L	-4.400E+01	7.600E+02	7.900E+01	9.870E+01	2.500E+01	9.870E+01	EPI Suite Mean VP of Antoine & Grain Methods
434	433	Brown menhaden fish oil	68440-42-6	068440-42-6		L		7.600E+02	8.257E+02	1.260E-20	2.500E+01	1.260E-20	EPI Suite Mean VP of Antoine & Grain Methods as 008002-50-4
435	434	Brucine; (2,3-Dimethoxystyrychnine)	357-57-3	000357-57-3	394.46	S	1.780E+02		4.700E+02				PAC 27 Listing Table 1
436	435	Butadiene, 1,3-	106-99-0	000106-99-0	54.09	G	-1.089E+02		-4.410E+00	7.500E+02	-4.700E+00		PAC 27 Listing Table 1
437	436	Butanaminium, N,N,N-tributyl-1-, bromide; (Tetrabutylammonium bromide)	1643-19-2	001643-19-2	322.44	S	102-104						PAC 27 Listing Table 1
438	437	Butane	106-97-8	000106-97-8	58.14	G	-1.350E+02		-5.000E-01	1.520E+03	1.880E+01		PAC 27 Listing Table 1
439	438	Butanedioic acid, diethyl ester; (Succinic acid, diethyl ester)	123-25-1	000123-25-1	174.22	L	-2.100E+01	7.600E+02	2.177E+02	4.390E-02	2.500E+01	4.390E-02	DAUBERT,TE & DANNER,RP (1989)
440	439	Butanedioic acid, dimethyl ester; (Succinic acid, dimethyl ester)	106-65-0	000106-65-0	146.16	L	1.950E+01	7.600E+02	1.953E+02	4.100E-01	2.500E+01	4.100E-01	various reduced boil pts
441	440	Butanediol dinitrate, 1,4-	3457-91-8	003457-91-8	180	L	1.250E+01	7.600E+02	2.299E+02	7.860E-02	2.500E+01	7.860E-02	EPI Suite Mean VP of Antoine & Grain Methods
442	441	Butanediol, 1,3-	107-88-0	000107-88-0	90.18	L	-7.700E+01	7.600E+02	2.075E+02	2.010E-02	2.500E+01	2.010E-02	DAUBERT,TE & DANNER,RP (1989)
443	442	Butanediol, 1,4-; (1,4-Tetramethylene glycol)	110-63-4	000110-63-4	90.14	L	1.600E+01	7.600E+02	2.300E+02	1.050E-02	2.500E+01	1.050E-02	PAC 27 Listing Table 1
444	443	Butanedione, 2,3-	431-03-8	000431-03-8	86.1	L	-2.400E+00	7.600E+02	8.800E+01	5.680E+01	2.500E+01	5.680E+01	PAC 27 Listing Table 1
445	444	Butanenitrile; (Butyronitrile)	109-74-0	000109-74-0	69.12	L	-1.126E+02	7.600E+02	1.170E+02	1.950E+01	2.500E+01	1.950E+01	PAC 27 Listing Table 1
446	445	Butanephosphonic acid	3321-64-0	003321-64-0	138.1	S							PAC 27 Listing Table 1
447	446	Butanethiol; (n-Butyl mercaptan)	109-79-5	000109-79-5	90.19	L	-1.157E+02	7.600E+02	9.850E+01	4.552E+01	2.500E+01	4.552E+01	YAWS,CL (1994)
448	447	Butanoic acid, butyl ester; (n-Butyl n-butanoate)	109-21-7	000109-21-7	144.24	L		7.600E+02	1.660E+02	1.810E+00	2.500E+01	1.810E+00	DAUBERT,TE & DANNER,RP (1989)
449	448	Butanol, aluminum salt, 2-	2269-22-9	002269-22-9	246.322	L		1.970E+02	2.000E+01	2.520E+01	2.500E+01	2.520E+01	ACD Labs Physical Chemistry Suite
450	449	Butanol-d10, n-	34193-38-9	034193-38-9	84.18	L	-9.000E+01	7.600E+02	1.177E+02	4.000E+00	2.000E+01	5.688E+00	Estimated using data from PAC 27 Listing Table 1
451	450	Butanone oxime; (Ethyl methyl ketoxime)	96-29-7	000096-29-7	87.14	L	-2.950E+01	7.600E+02	1.520E+02	1.170E+00	2.500E+01	1.170E+00	EPI Suite Mean VP of Antoine & Grain Methods
452	451	Butanone, 2-; (Methyl ethyl ketone; MEK)	78-93-3	000078-93-3	72.11	L	-8.664E+01	7.600E+02	7.959E+01	9.060E+01	2.500E+01	9.060E+01	ALARIE,Y ET AL. (1995)
453	452	Butene, 1-; (Butylene)	106-98-9	000106-98-9	56.11	G	-1.853E+02		-6.300E+00	2.253E+03	2.500E+01		PAC 27 Listing Table 1
454	453	Butene, 2-	107-01-7	000107-01-7	56.11	G			>760	2.500E+01			PAC 27 Listing Table 1
455	454	Butene, cis-2-; (cis-1,2-Dimethylethylene)	590-18-1	000590-18-1	56.11	G	-1.389E+02		3.700E+00	1.600E+03	2.500E+01		PAC 27 Listing Table 1
456	455	Butene, trans-2-; (trans-1,2-Dimethylethylene)	624-64-6	000624-64-6	56.11	G	-1.055E+02		8.000E-01	1.750E+03	2.500E+01		PAC 27 Listing Table 1
457	456	Butoxyethanol acetate, 2-; (Ethylene glycol monobutyl ether acetate)	112-07-2	000112-07-2	160.21	L	-6.350E+01	7.600E+02	1.920E+02	3.750E-01	2.500E+01	3.750E-01	WEBER,RC ET AL. (1981)
458	457	Butoxyethanol phosphate, 2-	78-51-3	000078-51-3	398.54	L	-7.000E+01	4.000E+00	2.210E+02	1.230E-06	2.500E+01	1.230E-06	EPI Suite Modified Grain Method
459	458	Butoxyethanol, 2-; (Glycol ether EB)	111-76-2	000111-76-2	118.2	L	-7.480E+01	7.600E+02	1.710E+02	8.000E-01	2.500E+01	8.000E-01	DOW CHEMICAL COMPANY (1990)
460	459	Butoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monobutyl ether)	112-34-5	000112-34-5	162.26	L	-6.810E+01	7.600E+02	2.306E+02	2.200E-02	2.500E+01	2.200E-02	PAC 27 Listing Table 1
461	460	Butoxyethoxy)ethyl thiocyanate, 2-(2-	112-56-1	000112-56-1	203.33	L		2.500E-01	1.200E+02	5.940E-04	2.500E+01	5.940E-04	EPI Suite Modified Grain Method
462	461	Butoxypolypropylene glycol	9003-13-8	009003-13-8	190.1569	L	-7.500E+01	1.000E+01	1.030E+02	3.610E-03	2.500E+01	3.610E-03	EPI Suite Mean VP of Antoine & Grain Methods, corrected MW
463	462	Butyl acetate, n-	123-86-4	000123-86-4	116.18	L	-7.700E+01	7.600E+02	1.260E+02	1.150E+01	2.500E+01	1.150E+01	PAC 27 Listing Table 1
464	463	Butyl acetate, sec-	105-46-4	000105-46-4	116.18	L	-9.890E+01	7.600E+02	1.120E+02	1.700E+01	2.500E+01	1.700E+01	DAUBERT,TE & DANNER,RP (1989)
465	464	Butyl acetate, tert-	540-88-5	000540-88-5	116.18	L		7.600E+02	9.780E+01	4.700E+01	2.500E+01	4.700E+01	PAC 27 Listing Table 1
466	465	Butyl acetoacetate, tert-	1694-31-1	001694-31-1	158.1968	L	-3.800E+01	1.100E+01	7.100E+01	5.950E-01	2.500E+01	5.950E-01	EPI Suite Mean VP of Antoine & Grain Methods
467	466	Butyl acrylate, n-	141-32-2	000141-32-2	128.17	L	-6.460E+01	7.600E+02	1.450E+02	5.453E+00	2.500E+01	5.453E+00	DAUBERT,TE & DANNER,RP (1985)
468	467	Butyl alcohol, n-; (n-Butanol)	71-36-3	000071-36-3	74.12	L	-8.860E+01	7.600E+02	1.177E+02	6.700E+00	2.500E+01	6.700E+00	BOUBLIK,T ET AL. (1984)
469	468	Butyl alcohol, sec-; (2-Butanol)	78-92-2	000078-92-2	74.14	L	-8.900E+01	7.600E+02	1.833E+01	2.500E+01	2.500E+01	1.833E+01	DAUBERT,TE & DANNER,RP (1985)
470	469	Butyl bis(2-ethylhexyl)phosphate	z-0002	00000z-0002	378.53264	L				1.800E-07	2.500E+01	1.800E-07	EPI Suite Modified Grain Method
471	469	Cerous nitrite	z-0004	00000z-0004	278.11	S							PAC 27 Listing Table 1
472	470	Butyl bromide, n-; (1-Bromobutane)	109-65-9	000109-65-9	137.04	L	-1.123E+02	7.600E+02	1.013E+02	4.197E+01	2.500E+01	4.197E+01	PAC 27 Listing Table 1
473	471	Butyl chloroformate, n-	592-34-7	000592-34-7	136.58	L		7.600E+02	1.420E+02	6.540E+00	2.500E+01	6.540E+00	DAMLE,SB (1993)
474	472	Butyl chloroformate, sec-	17462-58-7	017462-58-7	136.58	L			1.060E+01	2.500E+01	2.500E+01	1.060E+01	DAMLE,SB (1993)
475	473	Butyl ether, n-; (Dibutyl ether)	142-96-1	000142-96-1	130.26	L	-9.800E+01	7.600E+02	1.420E+02	6.010E+00	2.500E+01	6.010E+00	PAC 27 Listing Table 1
476	474	Butyl glycidyl ether, n-	2426-08-6	002426-08-6	130.19	L		7.600E+02	1.690E+02	3.200E+00	2.500E+01	3.200E+00	PAC 27 Listing Table 1
477	475	Butyl isocyanate, n-	111-36-4	000111-36-4	99.13	L	-7.500E+01	7.600E+02	1.150E+02	1.700E+01	2.500E+01	1.700E+01	PAC 27 Listing Table 1
478	476	Butyl isocyanate, tert-	1609-86-5	001609-86-5	99.131	S	85.5						PAC 27 Listing Table 1
479	477	Butyl levulinate	2052-15-5	002052-15-5	172.25	S			2.375E+02				PAC 27 Listing Table 1
480	478	Butyl lithium	109-72-8	000109-72-8	64.06	L	-7.600E+01	7.600E+02	3.894E+02	9.800E-07	2.500E+01	9.800E-07	EPI Suite Modified Grain Method
481	479	Butyl methyl-d3 ether, tert-	29366-08-3	029366-08-3	91.16	L	-1.090E+02	5.300E+01	7.600E+02	2.450E+02	2.500E+01	2.450E+02	MSDS, CDN Isotopes Inc FEB2012
482	480	Butyl perbenzoate, tert-	614-45-9	000614-45-9	194.25	L	8.000E+00	7.600E+02	1.120E+02	3.300E-01	5.000E+01	5.850E-03	Estimated using data from PAC 27 Listing Table 1
483	481	Butyl propanoate; (Propanoic acid, butyl ester)	590-01-2	000590-01-2	130.2	L	-8.960E+01	7.600E+02	1.454E+02	4.417E+00	2.500E+01	4.417E+00	YAWS,CL (1994A)
484	482	Butyl-2-methylcyclopropane, T-1-	38851-70-6	038851-70-6	112.213	L	-6.200E+01	7.600E+02	1.170E+02	2.120E+01	2.500E+01	2.120E+01	EPI Suite Mean VP of Antoine & Grain Methods, based on chemical structure
485	483	Butyl-3-iodo-2-propynylcarbamate	55406-53-6	055406-53-6	281.11	S	6.600E+01			5.250E-05	3.000E+01		PAC 27 Listing Table 1
486	484	Butylamine, (S)-sec-	513-49-5	000513-49-5	73.16	L	-1.040E+02	7.600E+02	6.300E+01	1.780E+02	2.500E+01	1.780E+02	PAC 27 Listing Table 1
487	485	Butylamine, n-	109-73-9	000109-73-9	73.16	L	-5.000E+01	7.600E+02	7.800E+01	9.290E+01	2.500E+01	9.290E+01	PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
488	486	Butylamine, sec-	13952-84-6	013952-84-6	73.16	L	-1.040E+02	7.600E+02	6.300E+01	1.780E+02	2.500E+01	1.780E+02	PAC 27 Listing Table 1
489	487	Butylamine, tert-	75-64-9	000075-64-9	73.16	L	-6.750E+01	7.600E+02	4.640E+01	3.720E+02	2.500E+01	3.720E+02	PAC 27 Listing Table 1
490	488	Butylbenzene, n-; (1-Phenyl)butane)	104-51-8	000104-51-8	134.21	L	-8.785E+01	7.600E+02	1.833E+02	1.064E+00	2.500E+01	1.064E+00	CHAO,J ET AL. (1983)
491	489	Butylbenzene, sec-; (2-Phenyl)butane)	135-98-8	000135-98-8	134.22	L	-8.270E+01	7.600E+02	1.735E+02	1.750E+00	2.500E+01	1.750E+00	PAC 27 Listing Table 1
492	490	Butylbenzene, tert-	98-06-6	000098-06-6	134.22	L	-5.780E+01	7.600E+02	1.691E+02	2.204E+00	2.500E+01	2.204E+00	CHAO,J ET AL. (1983)
493	491	Butylcyclohexane; (1-Cyclohexyl)butane)	1678-93-9	001678-93-9	140.268	L		7.600E+02	1.010E+02	1.314E+00	2.500E+01	1.314E+00	DAUBERT,TE & DANNER,RP (1989)
494	492	Butylcyclohexanone, p-tert-	98-53-3	000098-53-3	154.28	S	49-50		90-92 @ 9mm				PAC 27 Listing Table 1
495	493	Butylene carbonate; (1,2-Butanediol, cyclic carbonate)	4437-85-8	004437-85-8	116.13	S							PAC 27 Listing Table 1
496	494	Butyllithium, sec-	598-30-1	000598-30-1	64.06	L	1.722E+01	7.600E+02	3.824E+02	1.720E-06	2.500E+01	1.720E-06	EPI Suite Modified Grain Method
497	495	Butylpyrocatechol, 4-tert-; (4-tert-Butylcatechol)	98-29-3	000098-29-3	166.24	S	5.200E+01		2.850E+02	2.800E-03	2.500E+01		PAC 27 Listing Table 1
498	496	Butyltrichlorosilane	7521-80-4	007521-80-4	189.95	L	-3.898E+01	7.600E+02	1.485E+02	4.300E+00	2.500E+01	4.300E+00	EPI Suite Mean VP of Antoine & Grain Methods
499	497	Butyne-1,4-diol, 2-; (1,4-Butynediol)	110-65-6	000110-65-6	86.09	S	5.000E+01		2.380E+02	5.56X10-4	2.500E+01		PAC 27 Listing Table 1
500	498	Butyraldehyde	123-72-8	000123-72-8	72.12	L	-1.000E+02	7.600E+02	7.470E+01	1.114E+02	2.500E+01	1.114E+02	DAUBERT,TE & DANNER,RP (1985)
501	499	Butyric acid, sodium salt	156-54-7	000156-54-7	111.11	S	250-253						PAC 27 Listing Table 1
502	500	Butyric acid; (n-Butyric acid)	107-92-6	000107-92-6	88.12	L	-5.100E+00	7.600E+02	1.635E+02	1.650E+00	2.500E+01	1.650E+00	PAC 27 Listing Table 1
503	501	BZ; (3-Quinuclidinyl benzilate)	6581-06-2	006581-06-2	337.45	S	1.640E+02			2.380E-10	2.500E+01		PAC 27 Listing Table 1
504	502	C.I. pigment red 53:1; (5-Chloro-2-((2-hydroxy-1-naphthyl)azo)-p-toluene sulfonic acid, barium salt)	5160-02-1	005160-02-1	444.49	S	343-345						PAC 27 Listing Table 1
505	503	C-18 Unsaturated fatty acid, dimers, reaction products with polyethylenepolyamides; (Versamid 140 polyamide resin; Versamid 125)	68410-23-1	068410-23-1	777.28	L		7.600E+02	1.065E+03	2.410E-27	2.500E+01	2.410E-27	EPI Suite Modified Grain Method
506	504	Cacodylic acid; (Arsenic acid, dimethyl-)	75-60-5	000075-60-5	138	S	1.950E+02		> 200				PAC 27 Listing Table 1
507	505	Cadmium	7440-43-9	007440-43-9	112.41	S	3.210E+02		7.670E+02	1.000E+00	3.940E+02		PAC 27 Listing Table 1
508	506	Cadmium bromide	7789-42-6	007789-42-6	272.22	S	5.700E+02		8.630E+02				PAC 27 Listing Table 1
509	507	Cadmium carbonate	513-78-0	000513-78-0	172.41	S							PAC 27 Listing Table 1
510	508	Cadmium chloride	10108-64-2	010108-64-2	183.32	S	5.680E+02		9.640E+02	1.000E+01	6.560E+02		PAC 27 Listing Table 1
511	509	Cadmium chloride hemipentahydrate; (Cadmium chloride, 2.5-hydrate)	7790-78-5	007790-78-5	456.708	S	568						PAC 27 Listing Table 1
512	510	Cadmium fluoride	7790-79-6	007790-79-6	150.4	S	1.075E+03		1.750E+03	1.000E+00	1.112E+03		PAC 27 Listing Table 1
513	511	Cadmium hydroxide	21041-95-2	021041-95-2	146.63	S	130 dec		1.320E+02				PAC 27 Listing Table 1
514	512	Cadmium nitrate	10325-94-7	010325-94-7	236.42	S	3.600E+02		1.320E+02				PAC 27 Listing Table 1
515	513	Cadmium nitrate tetrahydrate	10022-68-1	010022-68-1	308.48	S	5.950E+01						PAC 27 Listing Table 1
516	514	Cadmium nitrite	7790-83-2	007790-83-2	204.41	S							PAC 27 Listing Table 1
517	515	Cadmium oxide	1306-19-0	001306-19-0	128.41	S			1559 subl	7.5x10-3	7.700E+02		PAC 27 Listing Table 1
518	516	Cadmium stearate; (Octadecanoic acid, cadmium salt)	2223-93-0	002223-93-0	681.48	S							PAC 27 Listing Table 1
519	517	Cadmium sulfate	10124-36-4	010124-36-4	208.46	S	1.000E+03						PAC 27 Listing Table 1
520	518	Cadmium sulfate, hydrate	7790-84-3	007790-84-3	226.49	S	105						PAC 27 Listing Table 1
521	519	Cadmium sulfide	1306-23-6	001306-23-6	144.46	S	1750						PAC 27 Listing Table 1
522	520	Cadmium tungstate	7790-85-4	007790-85-4	360.26	S							PAC 27 Listing Table 1
523	521	Cadmium(II) acetate	543-90-8	000543-90-8	230.5	S	2.550E+02						PAC 27 Listing Table 1
524	522	Calcium	7440-70-2	007440-70-2	40.08	S	8.420E+02		1.484E+03	7.5x10-3	5.910E+02		PAC 27 Listing Table 1
525	523	Calcium acetate	62-54-4	000062-54-4	158.18	S							PAC 27 Listing Table 1
526	524	Calcium arsenate	7778-44-1	007778-44-1	398.08	S	1.455E+00						PAC 27 Listing Table 1
527	525	Calcium carbide	75-20-7	000075-20-7	64.1	S	2.300E+03						PAC 27 Listing Table 1
528	526	Calcium chloride	10043-52-4	010043-52-4	110.98	S	7.750E+02		1.935E+03				PAC 27 Listing Table 1
529	527	Calcium chloride dihydrate	10035-04-8	010035-04-8	147.015	S	175 dec						PAC 27 Listing Table 1
530	528	Calcium chloride hexahydrate	7774-34-7	007774-34-7	219.075	S	30						PAC 27 Listing Table 1
531	529	Calcium chloride hydrate	22691-02-7	022691-02-7	129	S							PAC 27 Listing Table 1
532	530	Calcium chromate	13765-19-0	013765-19-0	156.07	S	1.000E+03						PAC 27 Listing Table 1
533	531	Calcium cyanamide	156-62-7	000156-62-7	80.1	S	~1340		subl				PAC 27 Listing Table 1
534	532	Calcium cyanide	592-01-8	000592-01-8	92.12	S							PAC 27 Listing Table 1
535	533	Calcium fluoride	7789-75-5	007789-75-5	78.08	S	1.418E+03		2.500E+03				PAC 27 Listing Table 1
536	534	Calcium formate	544-17-2	000544-17-2	130.11	S	300 dec						PAC 27 Listing Table 1
537	535	Calcium hydride	7789-78-8	007789-78-8	42.24	S	816 in H2O		675dec				PAC 27 Listing Table 1
538	536	Calcium hydroxide	1305-62-0	001305-62-0	74.1	S	580 dec						PAC 27 Listing Table 1
539	537	Calcium hypochlorite; (Calcium oxychloride)	7778-54-3	007778-54-3	142.98	S	1.000E+02						PAC 27 Listing Table 1
540	538	Calcium metasilicate	10101-39-0	010101-39-0	116.17	S							PAC 27 Listing Table 1
541	539	Calcium monohydrogen phosphate dihydrate	7789-77-7	007789-77-7	136.06	S	36						PAC 27 Listing Table 1
542	540	Calcium nitrite	13780-06-8	013780-06-8	132.09	S							PAC 27 Listing Table 1
543	541	Calcium oxalate	563-72-4	000563-72-4	128.1	S							PAC 27 Listing Table 1
544	542	Calcium oxalate, hydrate	5794-28-5	005794-28-5	146.112	S	200 dec						PAC 27 Listing Table 1
545	543	Calcium oxide	1305-78-8	001305-78-8	56.08	S	2.570E+03		2.850E+03				PAC 27 Listing Table 1
546	544	Calcium phosphate tribasic	12167-74-7	012167-74-7	1004.64	S	1670						PAC 27 Listing Table 1
547	545	Calcium phosphate; (Tricalcium phosphate)	10103-46-5	010103-46-5	310.17644	S							PAC 27 Listing Table 1
548	546	Calcium phosphide	1305-99-3	001305-99-3	182.18	S	>1600						PAC 27 Listing Table 1
549	547	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)	7778-18-9	007778-18-9	136.14	S	1.570E+03						PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
550	548	Calcium sulfide	20548-54-3	020548-54-3	72.14	S	2.524E+03		dec				PAC 27 Listing Table 1
551	549	Calcium trifluoromethanesulfonate	55120-75-7	055120-75-7	338.2088	S							PAC 27 Listing Table 1
552	550	Calcium(II) nitrate	10124-37-5	010124-37-5	164.1	S	5.610E+02		dec				PAC 27 Listing Table 1
553	551	Calcium(II) nitrate tetrahydrate (1:2:4)	13477-34-4	013477-34-4	236.18	S	4.300E+01		dec				PAC 27 Listing Table 1
554	552	Calcium(II) sulfate dihydrate (1:1:2)	10101-41-4	010101-41-4	172.18	S	1.280E+02		1.630E+02				PAC 27 Listing Table 1
555	553	Camphor	76-22-2	000076-22-2	152.26	S	1.800E+02		2.040E+02				PAC 27 Listing Table 1
556	554	Camphorsulfonic acid, (1R)-(-)-10-	35963-20-3	035963-20-3	232.3	S	1.980E+02						PAC 27 Listing Table 1
557	555	Cantharidin	56-25-7	000056-25-7	196.22	S	2.180E+02		84 sublms	2.000E-02	2.500E+01		PAC 27 Listing Table 1
558	556	Caprolactam (dust)	105-60-2	000105-60-2	113.16	S	6.930E+01		2.700E+02	7.5x10-3	3.680E+01		PAC 27 Listing Table 1
559	557	Caprolactone; (epsilon-Lactone hexanoic acid)	502-44-3	000502-44-3	114.16	L	-1.000E+00	7.600E+02		1.350E-01	2.500E+01	1.350E-01	DAUBERT, TE & DANNER, RP (1989)
560	558	Caprylyl chloride; (Octanoyl chloride)	111-64-8	000111-64-8	162.68	L	-6.300E+01	7.600E+02	1.956E+02	2.500E+00	2.000E+01	3.229E+00	Estimated using data from PAC 27 Listing Table 1
561	559	CAPSO	73463-39-5	073463-39-5	237.3134	S	270-274						PAC 27 Listing Table 1
562	560	Captan	133-06-2	000133-06-2	300.59	S	1.725E+02			9x10-8	2.500E+01		PAC 27 Listing Table 1
563	561	Carbachol chloride	51-83-2	000051-83-2	182.68	S	204-205						PAC 27 Listing Table 1
564	562	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	26419-73-8	026419-73-8	234.36	S							PAC 27 Listing Table 1
565	563	Carbanolate; (Aldicarb; Methyl-2-(methylthio)propionaldehyde-O-(methylcarbamoyl)oxime, 2-)	116-06-3	000116-06-3	190.26	S	9.900E+01		> 100 dec	9.750E-05	2.000E+01		PAC 27 Listing Table 1
566	564	Carbaryl	63-25-2	000063-25-2	201.22	S	1.450E+02		dec	1.36x10-6	2.500E+01		PAC 27 Listing Table 1
567	565	Carbazole	86-74-8	000086-74-8	167.22	S	2.448E+02		3.547E+02	4.000E+02	3.230E+02		PAC 27 Listing Table 1
568	566	Carbazole violet	6358-30-1	006358-30-1	589.4794	S							PAC 27 Listing Table 1
569	567	Carbethoxyethylidine(triphenylphosphorane)	5717-37-3	005717-37-3	362.41	S							PAC 27 Listing Table 1
570	568	Carbofuran	1563-66-2	001563-66-2	221.28	S	150-152			2.000E-05	3.300E+01		PAC 27 Listing Table 1
571	569	Carbon black	1333-86-4	001333-86-4		S							PAC 27 Listing Table 1
572	570	Carbon dioxide	124-38-9	000124-38-9	44.01	G	-5.666E+01		- 78.464 subl	7.500E+02	-7.860E+01		PAC 27 Listing Table 1
573	571	Carbon disulfide	75-15-0	000075-15-0	76.14	L	-1.121E+02	7.600E+02	4.600E+01	3.590E+02	2.500E+01	3.590E+02	YAWS, CL (1994)
574	572	Carbon monoxide	630-08-0	000630-08-0	28.01	G	-2.050E+02		-1.915E+02	1.55x10E8	2.500E+01		PAC 27 Listing Table 1
575	573	Carbon tetrachloride	56-23-5	000056-23-5	153.82	L	-2.262E+01	7.600E+02	7.680E+01	1.150E+02	2.500E+01	1.150E+02	BOUBLIK, T ET AL. (1984)
576	574	Carbon tetrafluoride; (Tetrafluoromethane)	75-73-0	000075-73-0	88.01	G	-1.836E+02		-1.278E+02				PAC 27 Listing Table 1
577	575	Carbon trifluoride; (Trifluoromethane; Fluoroform)	75-46-7	000075-46-7	70.02	G	-1.630E+02		-8.220E+01	3.530E+04	2.500E+01		PAC 27 Listing Table 1
578	576	Carbon; (Graphite, synthetic)	7440-44-0	007440-44-0	12.01	S			3.642E+03	1.000E+00	3.586E+03		PAC 27 Listing Table 1
579	577	Carbonic acid, calcium salt	471-34-1	000471-34-1	100.09	S							PAC 27 Listing Table 1
580	578	Carbonyl fluoride	353-50-4	000353-50-4	66.01	G	-1.140E+02		-8.300E+01	>760			PAC 27 Listing Table 1
581	579	Carbonyl sulfide	463-58-1	000463-58-1	60.08	G	-1.388E+02		-5.000E+01	7.500E+02	-5.040E+01		PAC 27 Listing Table 1
582	580	Carbonyldiphthalic anhydride, 4,4'-	2421-28-5	002421-28-5	322.2302	S	226						PAC 27 Listing Table 1
583	581	Carbophenothion; (Trithion)	786-19-6	000786-19-6	342.87	L		1.000E-01	8.200E+01	3.000E-07	2.500E+01	3.000E-07	SUNTIO, LR ET AL. (1988)
584	582	Carboxymethyl cellulose	9000-11-7	009000-11-7	76.0518	S							PAC 27 Listing Table 1
585	583	Carboxymethyl sepharose; (CM sepharose)	68894-07-5	068894-07-5		S							PAC 27 Listing Table 1
586	584	Casamino acids	z-0008	00000z-0008		S							PAC 27 Listing Table 1
587	585	Casein; (Casamino acids; Casein hydrolysate type 1)	9000-71-9	009000-71-9		S							PAC 27 Listing Table 1
588	586	Castor oil	8001-79-4	008001-79-4		L		7.600E+02	3.130E+02	3.250E-27	2.500E+01	3.250E-27	EPI Suite Modified Grain Method
589	587	Catechol	120-80-9	000120-80-9	110.11	S	1.046E+02		2.450E+02	3x10-2	2.000E+01		PAC 27 Listing Table 1
590	588	Cation exchange resin 200-400 mesh Hyd. Dowex 50W-X8	11119-67-8	011119-67-8		S							PAC 27 Listing Table 1
591	589	Cation exchange resin 50W-X12, 200 - 400 mesh	9056-03-5	009056-03-5		S							PAC 27 Listing Table 1
592	590	Cellulase	9012-54-8	009012-54-8		S							PAC 27 Listing Table 1
593	591	Cellulose	9004-34-6	009004-34-6	160000	S							PAC 27 Listing Table 1
594	592	Cellulose acetate butanoate	9004-36-8	009004-36-8		S							PAC 27 Listing Table 1
595	593	Cellulose, 2-(diethylamino)ethyl ether	9013-34-7	009013-34-7		S							PAC 27 Listing Table 1
596	594	Ceric ammonium nitrate	16774-21-3	016774-21-3	548.226	S							PAC 27 Listing Table 1
597	595	Ceric ammonium sulfate	7637-03-8	007637-03-8	600.5352	S							PAC 27 Listing Table 1
598	596	Ceric ammonium sulfate, dihydrate	10378-47-9	010378-47-9	632.53	S	130						PAC 27 Listing Table 1
599	597	Ceric oxide	1306-38-3	001306-38-3	172.12	S	2.600E+03						PAC 27 Listing Table 1
600	598	Cerium	7440-45-1	007440-45-1	140.13	S	8.040E+02		3.433E+03				PAC 27 Listing Table 1
601	599	Cerium acetate	537-00-8	000537-00-8	317.27	S	308 dec.						PAC 27 Listing Table 1
602	600	Cerium chloride	7790-86-5	007790-86-5	246.48	S	8.070E+02						PAC 27 Listing Table 1
603	601	Cerium fluoride	7758-88-5	007758-88-5	197.12	S	1.460E+03		2.300E+03				PAC 27 Listing Table 1
604	602	Cerium hydroxide	15785-09-8	015785-09-8	191.14	S							PAC 27 Listing Table 1
605	603	Cerium nitrate hexahydrate	10294-41-4	010294-41-4	434.27	S							PAC 27 Listing Table 1
606	604	Cerium oxalate	139-42-4	000139-42-4	316.1592	S							PAC 27 Listing Table 1
607	605	Cerium sulfate	13590-82-4	013590-82-4	332.24	S							PAC 27 Listing Table 1
608	606	Cerium trioxide	1345-13-7	001345-13-7	328.24	S	1.692E+03						PAC 27 Listing Table 1
609	607	Cerium(III) sulfate	13454-94-9	013454-94-9	568.42	S	250 dec						PAC 27 Listing Table 1
610	608	Cerium(IV) hydroxide	12014-56-1	012014-56-1	208.1452	S							PAC 27 Listing Table 1
611	609	Cerium(IV) nitrate	13093-17-9	013093-17-9	392.1708	S							PAC 27 Listing Table 1
612	610	Cerous nitrate; (Cerium(III) nitrate)	10108-73-3	010108-73-3	326.15	S	150 lose water		200 dec				PAC 27 Listing Table 1

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1													
613	612	Cesium	7440-46-2	007440-46-2	132.91	S	2.850E+01		6.680E+02	1.000E+00	2.790E+02		PAC 27 Listing Table 1
614	613	Cesium carbonate	534-17-8	000534-17-8	325.83	S							PAC 27 Listing Table 1
615	614	Cesium chloride	7647-17-8	007647-17-8	168.36	S	6.460E+02		1.209E+03				PAC 27 Listing Table 1
616	615	Cesium fluoride	13400-13-0	013400-13-0	151.91	S	7.030E+02		1.251E+03				PAC 27 Listing Table 1
617	616	Cesium hydroxide	21351-79-1	021351-79-1	149.9127	S	3.150E+02						PAC 27 Listing Table 1
618	617	Cesium iodide	7789-17-5	007789-17-5	259.81	S	6.260E+02		1.280E+03				PAC 27 Listing Table 1
619	618	Cesium metaborate	92141-86-1	092141-86-1	175.715	S	7.320E+02						PAC 27 Listing Table 1
620	619	Cesium nitrate	7789-18-6	007789-18-6	194.92	S	4.140E+02		dec.				PAC 27 Listing Table 1
621	620	Cesium nitrite	13454-83-6	013454-83-6	178.9097	S							PAC 27 Listing Table 1
622	621	Cesium oxide	20281-00-9	020281-00-9	297.81	S	490						PAC 27 Listing Table 1
623	622	Charcoal, activated	64365-11-3	064365-11-3	12.01	S	3.500E+03		4.827E+03				PAC 27 Listing Table 1
624	623	Chloramben; (Amiben; 3-Amino-2,5-dichlorobenzoic acid)	133-90-4	000133-90-4	206.03	S	2.000E+02			7.000E-03	1.000E+02		PAC 27 Listing Table 1
625	624	Chloramphenicol	56-75-7	000056-75-7	323.1322	S	1.510E+02		subl	1.700E-12	2.500E+01		PAC 27 Listing Table 1
626	625	Chlordane	57-74-9	000057-74-9	409.78	S	1.060E+02		175 @ 1mmHg	9.75x10-6	2.500E+01		PAC 27 Listing Table 1
627	626	Chlorfenvinfos	470-90-6	000470-90-6	359.58	L	-2.300E+01	8.000E-03	1.250E+02	7.500E-06	2.500E+01	7.500E-06	TOMLIN,C (1997)
628	627	Chloric acid, sodium salt; (Sodium chlorate)	7775-09-9	007775-09-9	106.44	S	264		dec				PAC 27 Listing Table 1
629	628	Chloride; (Chloride(1-); Chloride ions)	16887-00-6	016887-00-6	35.453	G							PAC 27 Listing Table 1
630	629	Chlorinated polyolefins	68410-99-1	068410-99-1		L		7.600E+02	1.000E+02	1.000E+00	2.000E+01	1.680E+00	Estimated from MSDS DATA, Union Butterfield 7/16/2012
631	630	Chlorine	7782-50-5	007782-50-5	70.906	G	-1.015E+02		-3.404E+01	5.83x10E3	2.500E+01		PAC 27 Listing Table 1
632	631	Chlorine dioxide	10049-04-4	010049-04-4	67.45	G	-5.900E+01		1.100E+01				PAC 27 Listing Table 1
633	632	Chlorine Hi dry granular (as Cl)	z-0006	000002-0006	35.453	S							PAC 27 Listing Table 1
634	633	Chlorine pentafluoride	13637-63-3	013637-63-3	130.445	G	-1.030E+02		-1.310E+01				PAC 27 Listing Table 1
635	634	Chlorine trifluoride	7790-91-2	007790-91-2	92.45	G	-7.634E+01		1.175E+01	7.500E+02	1.140E+01		PAC 27 Listing Table 1
636	635	Chlormephos	24934-91-6	024934-91-6	234.7	L		1.000E-01	8.200E+01	5.700E-02	2.500E+01	5.700E-02	TOMLIN,C (1994)
637	636	Chlormequat chloride; (Choline dichloride)	999-81-5	000999-81-5	158.09	S	245 dec			7.500E-08	2.000E+01		PAC 27 Listing Table 1
638	637	Chloro-1,1,1,2-tetrafluoroethane, 2-	2837-89-0	002837-89-0	136.4765	G	-1.990E+02		1.200E+01	2.888E+03	2.500E+01		PAC 27 Listing Table 1
639	638	Chloro-1,1-difluoroethane, 1-; (HCFC-142b)	75-68-3	000075-68-3	100.5	G	-1.310E+02		-9.500E+00	>760			PAC 27 Listing Table 1
640	639	Chloro-1,2-propanediol, 3-; (Chlorohydrin)	96-24-2	000096-24-2	110.55	L		7.600E+02	2.130E+02	2.000E-01	2.500E+01	2.000E-01	LANDE,SS ET AL. (1980)
641	640	Chloro-1-butanol, 4-	928-51-8	000928-51-8	108.58	L	-2.994E+01	1.600E+01	8.400E+01	3.520E-01			EPI Suite Mean VP of Antoine and Grain Methods
642	641	Chloro-2,4-dinitrobenzene, 1-	97-00-7	000097-00-7	202.56	S	alpha = 51; beta = 43; gamma = 27		3.150E+02				PAC 27 Listing Table 1
643	642	Chloro-2-methyl-1-propene, 3-	563-47-3	000563-47-3	90.56	L	-8.000E+01	7.600E+02	7.217E+01	1.017E+02	2.500E+01	1.017E+02	PARMEGGIANI,L (1983)
644	643	Chloro-2-methyl-4-isothiazolin-3-one, 5-	26172-55-4	026172-55-4	149.6	S	5.200E+01						PAC 27 Listing Table 1
645	644	Chloro-2-methylpropane, 2-; (Tert-butyl chloride)	507-20-0	000507-20-0	92.58	L	-2.560E+01	7.600E+02	5.090E+01	3.020E+02	2.500E+01	3.020E+02	DAUBERT,TE & DANNER,RP (1989)
646	645	Chloro-2-nitrophenol, 4-	89-64-5	000089-64-5	173.554	S	88.5						PAC 27 Listing Table 1
647	646	Chloro-4-nitrophenol, 2-	619-08-9	000619-08-9	173.56	S	1.110E+02						PAC 27 Listing Table 1
648	647	Chloroacetaldehyde	107-20-0	000107-20-0	78.5	L	-1.630E+01	7.600E+02	8.550E+01	6.427E+01	2.500E+01	6.427E+01	DAUBERT,TE & DANNER,RP (1994)
649	648	Chloroacetaldehyde dimethyl acetal	97-97-2	000097-97-2	124.5669	L	-7.300E+01	7.600E+02	1.275E+02	1.120E+01	2.500E+01	1.120E+01	EPI Suite Mean VP of Antoine and Grain Methods
650	649	Chloroacetic acid, sodium salt	3926-62-3	003926-62-3	116.48	S							PAC 27 Listing Table 1
651	650	Chloroacetic acid; (Monochloroacetic acid)	79-11-8	000079-11-8	94.5	S	6.300E+01		1.893E+02	7.500E+00	7.840E+01		PAC 27 Listing Table 1
652	651	Chloroacetone	78-95-5	000078-95-5	92.53	L	-4.450E+01	7.600E+02	1.190E+02	1.200E+01	2.500E+01	1.200E+01	HANN,RWJR & JENSEN,PA (1977)
653	652	Chloroacetonitrile	107-14-2	000107-14-2	75.5	L		7.600E+02	1.265E+02	1.500E+01	2.500E+01	1.500E+01	WEAST,RC ET AL. (1985)
654	653	Chloroacetyl chloride	79-04-9	000079-04-9	112.94	L	-2.200E+01	7.600E+02	1.060E+02	2.520E+01	2.500E+01	2.520E+01	DAUBERT,TE & DANNER,RP (1993)
655	654	Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 1-(3-	4080-31-3	004080-31-3	251.16	S	178-210			<1.0x10-7	2.500E+01		PAC 27 Listing Table 1
656	655	Chloroaniline, p-	106-47-8	000106-47-8	127.57	S	7.050E+01		2.320E+02	7.100E-02	2.500E+01		PAC 27 Listing Table 1
657	656	Chlorobenzene; (Benzene chloride)	108-90-7	000108-90-7	112.56	L	-4.531E+01	7.600E+02	1.317E+02	1.197E+01	2.500E+01	1.197E+01	DAUBERT,TE & DANNER,RP (1987)
658	657	Chlorobenzotrifluoride, 2-	88-16-4	000088-16-4	180.56	L	-6.000E+00	7.600E+02	1.522E+02	5.083E+00	2.500E+01	5.083E+00	PERRY,RH & GREEN,D (1984)
659	658	Chlorobenzylate; (4,4'-Dichlorobenzilic acid ethyl ester)	510-15-6	000510-15-6	325.19	S	3.700E+01		157 @ 0.07mmHg	2.2x10-6	2.000E+01		PAC 27 Listing Table 1
660	659	Chlorobenzylidene malononitrile, o-; (Tear Gas)	2698-41-1	002698-41-1	188.62	S	9.500E+01		3.130E+02	3.000E-05	2.000E+01		PAC 27 Listing Table 1
661	660	Chlorobutane, 1-; (Butyl chloride)	109-69-3	000109-69-3	92.58	L	-1.231E+02	7.600E+02	7.850E+01	1.013E+02	2.500E+01	1.013E+02	DAUBERT,TE & DANNER,RP (1989)
662	661	Chlorobutane, 2-; (sec-Butyl chloride)	78-86-4	000078-86-4	92.58	L	-1.400E+02	7.600E+02	6.850E+01	1.567E+02	2.500E+01	1.567E+02	DAUBERT,TE & DANNER,RP (1989)
663	662	Chlorobutylryl chloride, 4-	4635-59-0	004635-59-0	141	L		7.600E+02	1.735E+02	1.320E+00	2.500E+01	1.320E+00	PAC 27 Listing Table 1
664	663	Chlorocyclohexanol, trans-2-	6628-80-4	006628-80-4	134.61	S	2.900E+01		9.300E+01				PAC 27 Listing Table 1
665	664	Chlorocyclohexene; (4-Chlorocyclohexene)	930-65-4	000930-65-4	116.5901	L	-5.594E+01	7.600E+02	1.361E+02	7.580E+00	2.500E+01	7.580E+00	EPI Suite Mean VP of Antoine and Grain Methods
666	665	Chlorodecane, 1-	1002-69-3	001002-69-3	176.7289	L	-3.400E+01	7.600E+02	2.230E+02	9.840E-03	2.500E+01	9.840E-03	BOUBLIK,T ET AL. (1984)
667	666	Chlorodiethylaluminum; (Diethylaluminum chloride)	96-10-6	000096-10-6	120.57	S	-5.000E+01		2.080E+02				PAC 27 Listing Table 1
668	667	Chlorodifluoromethane; (Freon 22; CFC 22)	75-45-6	000075-45-6	86.47	G	-1.574E+02		-4.070E+01	7.500E+02	-4.110E+01		PAC 27 Listing Table 1
669	668	Chloroethanesulfonyl chloride, 2-	1622-32-8	001622-32-8	163.02	S			200-203				PAC 27 Listing Table 1
670	669	Chloroethyl chloroformate	627-11-2	000627-11-2	142.97	L		7.600E+02	1.557E+02	1.300E+01	4.800E+01	3.726E+00	Estimated using data from PAC 27 Listing Table 1
671	670	Chloroethyl phenyl sulfide, 2-	5535-49-9	005535-49-9	172.6721	S	1.040E+02		2.450E+02				PAC 27 Listing Table 1
672	671	Chloroethyl vinyl ether, 2-; (Ethene, 2-chloroethoxy-)	110-75-8	000110-75-8	106.56	L	-7.030E+01	7.600E+02	1.080E+02	3.000E+01	2.500E+01	3.000E+01	PAC 27 Listing Table 1
673	672	Chloroethylchloromethylsulfide, 2-	2625-76-5	002625-76-5	145.0464	L	-3.876E+01	7.600E+02	1.789E+02	1.020E+00	2.500E+01	1.020E+00	EPI Suite Mean VP of Antoine and Grain Methods
674	673	Chloroform	67-66-3	000067-66-3	119.38	L	-6.341E+01	7.600E+02	6.117E+01	1.970E+02	2.500E+01	1.970E+02	BOUBLIK,T ET AL. (1984)

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
675	674	Chloroform-d; (Deuterated chloroform)	865-49-6	000865-49-6	120.4	L	-6.400E+01	7.600E+02	6.090E+01	1.970E+02	2.500E+01	1.970E+02	EPI Suite Experimental Data
676	675	Chloro-m-cresol, 4-	59-50-7	000059-50-7	142.59	S	5.550E+01		2.350E+02				PAC 27 Listing Table 1
677	676	Chloromethyl methyl ether	107-30-2	000107-30-2	80.51	L	-1.035E+02	7.600E+02	5.950E+01	3.000E+01	2.500E+01	3.000E+01	CALLAHAN,MA ET AL. (1979)
678	677	Chloromethyl(trichloro)silane	1558-25-4	001558-25-4	183.92	L	1.110E+02	7.600E+02	1.180E+02	1.710E+01	2.500E+01	1.710E+01	EPI Suite Mean VP of Antoine and Grain Methods
679	678	Chloronaphthalene, 1-; (alpha-Chloronaphthalene)	90-13-1	000090-13-1	162.62	L	-2.500E+00	7.600E+02	2.590E+02	2.900E-02	2.500E+01	2.900E-02	SCHOENE,K ET AL. (1984)
680	679	Chloronaphthalene, 2-; (beta-Chloronaphthalene)	91-58-7	000091-58-7	162.62	S	5.800E+01		2.560E+02	1.220E-02	2.500E+01		PAC 27 Listing Table 1
681	680	Chloronitrobenzene, p-; (p-Nitrochlorobenzene)	100-00-5	000100-00-5	157.56	S	8.200E+01		2.420E+02	7.5x10-3	1.540E+01		PAC 27 Listing Table 1
682	681	Chloroperoxybenzoic acid, 3-	937-14-4	000937-14-4	172.57	S	9.400E+01						PAC 27 Listing Table 1
683	682	Chlorophacinone	3691-35-8	003691-35-8	374.83	S							PAC 27 Listing Table 1
684	683	Chlorophenol, 4-; (p-Chlorophenol)	106-48-9	000106-48-9	128.56	S	4.280E+01		2.200E+02	7.500E-01	4.500E+01		PAC 27 Listing Table 1
685	684	Chlorophenol, m-	108-43-0	000108-43-0	128.56	S	3.300E+01		210-214	1.000E+00	4.420E+01		PAC 27 Listing Table 1
686	685	Chlorophenol, o-	95-57-8	000095-57-8	128.56	L	9.400E+00	7.600E+02	1.749E+02	2.530E+00	2.500E+01	2.530E+00	DAUBERT,TE & DANNER,RP (1991)
687	686	Chlorophenyl phenyl ether, 4-	7005-72-3	007005-72-3	204.65	L	-8.000E+00	7.600E+02	2.840E+02	2.700E-03	2.500E+01	2.700E-03	PAC 27 Listing Table 1
688	687	Chlorophenyl thiourea, 2-	5344-82-1	005344-82-1	186.67	S	1.460E+02		3.230E+02	2.000E-06	2.500E+01		PAC 27 Listing Table 1
689	688	Chloropicrin/Methyl bromide mixture	8004-09-9	008004-09-9	259.31	G							Liquified gas - treat as gas for Quantity Value Process
690	689	Chloropicrin/Methyl chloride mixture	z-0007	00000z-0007	85	G							Liquified gas - treat as gas for Quantity Value Process
691	690	Chloropicrin; (Trichloronitromethane)	76-06-2	000076-06-2	164.38	L	-6.400E+01	7.600E+02	1.120E+02	2.380E+01	2.500E+01	2.380E+01	MARTIN,H & WORTHING,CR (1977)
692	691	Chloroprene; (beta-Chloroprene; Neoprene)	126-99-8	000126-99-8	88.54	L	-1.300E+02	7.600E+02	5.940E+01	2.155E+02	2.500E+01	2.155E+02	BOUBLIK,T ET AL. (1984)
693	692	Chloropropanol, 3-; (1-Propanol, 3-chloro-)	627-30-5	000627-30-5	94.55	L	-2.000E+01	7.600E+02	1.650E+02	5.770E-01	2.500E+01	5.770E-01	EPI Suite Mean VP of Antoine and Grain Methods
694	693	Chloropropionitrile, 3-	542-76-7	000542-76-7	89.53	L	-5.100E+01	7.600E+02	1.760E+02	2.500E+00	2.500E+01	2.500E+00	PAC 27 Listing Table 1
695	694	Chloropropyl)trimethoxysilane, 3-; (3-(Trimethoxysilyl)propyl chloride)	2530-87-2	002530-87-2	198.75	L		7.600E+02	1.950E+02	5.000E+00	2.500E+01	5.000E+00	PAC 27 Listing Table 1
696	695	Chloropropylene, 2-	557-98-2	000557-98-2	76.53	G	-1.386E+02		2.265E+01	8.190E+02	2.500E+01		PAC 27 Listing Table 1
697	696	Chloropropyl-n-octylsulfoxide, 3-	3569-57-1	003569-57-1	238.85	L		7.600E+02	3.380E+02	2.000E-05	2.500E+01	2.000E-05	PAC 27 Listing Table 1
698	697	Chloro-p-toluenesulfonamide sodium salt, N-; (Chloramine T)	127-65-1	000127-65-1	227.65	S	167-170						PAC 27 Listing Table 1
699	698	Chlorosarin; (o-Isopropyl methylphosphonochloridate)	1445-76-7	001445-76-7	156.54856	L	-4.086E+01	7.600E+02	1.700E+02	1.540E+00	2.500E+01	1.540E+00	EPI Suite Mean VP of Antoine and Grain Methods
700	699	Chlorosoman; (o-Pinacoyl methyl)phosphonochloridate)	7040-57-5	007040-57-5	198.62896	L	-1.088E+01	7.600E+02	2.110E+02	2.070E-01	2.500E+01	2.070E-01	EPI Suite Mean VP of Antoine and Grain Methods
701	700	Chlorosulfonic acid; (Chlorosulfuric acid)	7790-94-5	007790-94-5	116.52	L	-8.000E+01	7.600E+02	1.520E+02	7.500E-01	2.500E+01	7.500E-01	WEBER,RC (1981)
702	701	Chlorothalonil; (Tetrachloroisophthalonitrile)	1897-45-6	001897-45-6	265.9	S	250-251		3.500E+02	5.700E-07	2.500E+01		PAC 27 Listing Table 1
703	702	Chlorotoluene, 2-; (o-Chlorotoluene)	95-49-8	000095-49-8	126.58	L	-3.580E+01	7.600E+02	1.590E+02	3.430E+00	2.500E+01	3.430E+00	DAUBERT,TE & DANNER,RP (1985)
704	703	Chlorotoluene, 4-; (p-Tolyl chloride)	106-43-4	000106-43-4	126.58	L	7.500E+00	7.600E+02	1.624E+02	2.690E+00	2.500E+01	2.690E+00	DAUBERT,TE & DANNER,RP (1989)
705	704	Chlorotrifluoroethene, homopolymer	9002-83-9	009002-83-9		S							PAC 27 Listing Table 1
706	705	Chlorotrifluoroethylene	79-38-9	000079-38-9	116.47	G	-1.582E+02		-2.780E+01	7.500E+02	-2.840E+01		PAC 27 Listing Table 1
707	706	Chlorotrifluoromethane; (CFC-13)	75-72-9	000075-72-9	104.46	G	-1.810E+02		-8.140E+01	2.140E+04	2.500E+01		PAC 27 Listing Table 1
708	707	Chlorovinylarsine dichloride; (Lewisite 1)	541-25-3	000541-25-3	207.31	L	-1.300E+01	7.600E+02	1.900E+02	5.800E-01	2.500E+01	5.800E-01	MUNRO,NB ET AL. (1999)
709	708	Chloroxuron	1982-47-4	001982-47-4	290.77	S	151-152			3.900E-09	2.000E+01		PAC 27 Listing Table 1
710	709	Chlorpyrifos; (Dursban)	2921-88-2	002921-88-2	350.59	S	42-43.5						PAC 27 Listing Table 1
711	710	Chlorsulfuran	64902-72-3	064902-72-3	357.8	S	174-178		192 dec	8.131E-01	2.500E+01		PAC 27 Listing Table 1
712	711	Chlorthiophos	21923-23-9	021923-23-9	361.25	L	2.400E+01	7.600E+02	1.500E+02	3.970E-01	2.500E+01	3.970E-01	EPI Suite Modified Grain Method
713	712	Chromates	13907-45-4	013907-45-4	115.97	S							PAC 27 Listing Table 1
714	713	Chromic acetate; (Chromium(III) acetate)	1066-30-4	001066-30-4	229.15	S							PAC 27 Listing Table 1
715	714	Chromic chloride; (Chromium(III) chloride)	10025-73-7	010025-73-7	158.35	S	1.152E+03		1300 subl				PAC 27 Listing Table 1
716	715	Chromic oxide; (Chromium(III) oxide; Chromium sesquioxide)	1308-38-9	001308-38-9	151.99	S	2.320E+03		~ 3000				PAC 27 Listing Table 1
717	716	Chromic sulfate; (Chromium(III) sulfate (2:3))	10101-53-8	010101-53-8	392.18	S							PAC 27 Listing Table 1
718	717	Chromic trioxide; (Chromium(VI) oxide (1:3))	1333-82-0	001333-82-0	99.99	S	1.970E+02		~250 dec				PAC 27 Listing Table 1
719	718	Chromic(III) hydroxide; (Chromic acid (H3CrO3); Chromium trihydroxide)	1308-14-1	001308-14-1	103.02	S							PAC 27 Listing Table 1
720	719	Chromite; (Chromite (mineral))	1308-31-2	001308-31-2	223.85	S							PAC 27 Listing Table 1
721	720	Chromium	7440-47-3	007440-47-3	52	S	1.907E+03		2.671E+03	7.5x10-3	1.383E+03		PAC 27 Listing Table 1
722	721	Chromium nitrate	10103-47-6	010103-47-6	493.14	S							PAC 27 Listing Table 1
723	722	Chromium perchlorate, hydrated	13537-21-8	013537-21-8	350.35	S							PAC 27 Listing Table 1
724	723	Chromium(III) acetate hydroxide	39430-51-8	039430-51-8	250	S							PAC 27 Listing Table 1
725	724	Chromium(III) chloride, hexahydrate	10060-12-5	010060-12-5	266.47	S	83						PAC 27 Listing Table 1
726	725	Chromium(III) fluoride	7788-97-8	007788-97-8	109	S	1400						PAC 27 Listing Table 1
727	726	Chromium(III) nitrate	13548-38-4	013548-38-4	238.03	S	6.000E+01		100 dec				PAC 27 Listing Table 1
728	727	Chromium(III) oxide hydroxide; (Chromium oxyhydroxide)	20770-05-2	020770-05-2	85.0027	S							PAC 27 Listing Table 1
729	728	Chromium(III) potassium sulfate (1:1:2), dodecahydrate	7788-99-0	007788-99-0	499.41	S	89						PAC 27 Listing Table 1
730	729	Chromium(VI) hydroxide	12626-43-6	012626-43-6	154.0399	S							PAC 27 Listing Table 1
731	730	Chromous chloride; (Chromium(II) chloride (1:2))	10049-05-5	010049-05-5	122.9	S	8.240E+02		1.300E+03				PAC 27 Listing Table 1
732	731	Chrysene (coal tar volatile)	218-01-9	000218-01-9	228.29	S	2.555E+02		4.480E+02	6.23x10-9	2.500E+01		PAC 27 Listing Table 1
733	732	Cinnamaldehyde	104-55-2	000104-55-2	132.17	L	-7.500E+00	7.600E+02	2.530E+02	2.891E-02	2.500E+01	2.891E-02	PERRY,RH & GREEN,D (1984)
734	733	Cinnamaldehyde, (E); (trans-Cinnamaldehyde)	14371-10-9	014371-10-9	132.17	L	-7.500E+00	7.600E+02	2.520E+02	2.890E-02	2.500E+01	2.890E-02	EPI Suite Experimental Data
735	734	Citric acid	77-92-9	000077-92-9	192.12	S	1.530E+02		dec	1.78x10-9	2.500E+01		PAC 27 Listing Table 1
736	735	Citric acid monohydrate	5949-29-1	005949-29-1	210.16	S	1.530E+02		dec				PAC 27 Listing Table 1
737	736	Citric acid, trisodium salt, dihydrate	6132-04-3	006132-04-3	294.1	S	>300 dec						PAC 27 Listing Table 1
738	737	Coal tar pitch volatiles; (Particulate polycyclic aromatic hydrocarbons)	65996-93-2	065996-93-2		S	4.100E+01						PAC 27 Listing Table 1
739	738	Coal tar, aerosol	8007-45-2	008007-45-2	78.11	L	5.500E+00	7.600E+02	8.000E+01	9.480E+01	2.500E+01	9.480E+01	EPI Suite Experimental Data

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
740	739	Cobalt	7440-48-4	007440-48-4	58.93	S	1.495E+03		2.927E+03	7.5x10-3	1.517E+03		PAC 27 Listing Table 1
741	740	Cobalt acetate tetrahydrate; (Cobaltous acetate tetrahydrate)	6147-53-1	006147-53-1	249.11	L		7.600E+02	1.171E+02	1.390E+01	2.500E+01	1.390E+01	EPI Suite ACD Labs Physical Chemistry Suite
742	741	Cobalt carbonyl	10210-68-1	010210-68-1	341.94	S	5.100E+01		52 decom	7.000E-02	1.500E+01		PAC 27 Listing Table 1
743	742	Cobalt chloride	7646-79-9	007646-79-9	129.83	S	7.350E+02		1.049E+03				PAC 27 Listing Table 1
744	743	Cobalt hydrocarbonyl	16842-03-8	016842-03-8	171.98	G	-3.300E+01		1.000E+01				PAC 27 Listing Table 1
745	744	Cobalt hydroxide	21041-93-0	021041-93-0	92.95	S							PAC 27 Listing Table 1
746	745	Cobalt nitrate hexahydrate; (Cobaltous nitrate hexahydrate)	10026-22-9	010026-22-9	291.07	S	~55		>74				PAC 27 Listing Table 1
747	746	Cobalt nitrate; (Cobalt(II) nitrate)	10141-05-6	010141-05-6	182.95	S	5.500E+01		75 dec				PAC 27 Listing Table 1
748	747	Cobalt nitrite	32486-57-0	032486-57-0	150.93	S							PAC 27 Listing Table 1
749	748	Cobalt oxide; (Cobaltic-cobaltous oxide)	1308-06-1	001308-06-1	240.79	S	900 dec						PAC 27 Listing Table 1
750	749	Cobalt sulfate	10124-43-3	010124-43-3	154.99	S	7.350E+02		dec				PAC 27 Listing Table 1
751	750	Cobalt sulfate heptahydrate; (Cobalt(II) sulfate(1:1), heptahydrate)	10026-24-1	010026-24-1	281.13	S	7.350E+02						PAC 27 Listing Table 1
752	751	Cobalt tetraphenylporphine	14172-90-8	014172-90-8		S							PAC 27 Listing Table 1
753	752	Cobalt(II) chloride hexahydrate	7791-13-1	007791-13-1	237.95	S	8.600E+01		1.049E+03				PAC 27 Listing Table 1
754	753	Cobalt(II) oxide	1307-96-6	001307-96-6	74.93	S	1.935E+03						PAC 27 Listing Table 1
755	754	Cobalt(II) perchlorate, hexahydrate	13478-33-6	013478-33-6	365.95	S							PAC 27 Listing Table 1
756	755	Cobalt(II) sulfate hydrate	60459-08-7	060459-08-7	173	S							PAC 27 Listing Table 1
757	756	Cobalt, ((2,2'-(1,2-ethanediylobis(nitrilomethylidene))bis(6-fluorophenolato))((2-)-N,N',O,O')-); (Fluomine)	62207-76-5	062207-76-5	361.23	S				1.000E-05	2.500E+01		PAC 27 Listing Table 1
758	757	Cobaltous bromide; (Cobalt(III) bromide)	7789-43-7	007789-43-7	218.75	S	6.780E+02						PAC 27 Listing Table 1
759	758	Cobaltous carbonate	513-79-1	000513-79-1	118.94	S	280 dec						PAC 27 Listing Table 1
760	759	Colchicine	64-86-8	000064-86-8	399.48	S	155-157		4.070E+02	1.000E-05	2.500E+01		PAC 27 Listing Table 1
761	760	Copper	7440-50-8	007440-50-8	63.55	S	1.085E+03		2.562E+03	7.5x10-3	1.236E+03		PAC 27 Listing Table 1
762	761	Copper cyanide; (Copper(I) cyanide; Cuprous cyanide)	544-92-3	000544-92-3	89.56	S	4.740E+02		1400 dec				PAC 27 Listing Table 1
763	762	Copper hydroxide; (Copper(II) hydroxide, Cupric hydroxide)	20427-59-2	020427-59-2	97.56	S							PAC 27 Listing Table 1
764	763	Copper nitrate; (Cupric nitrate)	3251-23-8	003251-23-8	187.56	S	2.550E+02		subl				PAC 27 Listing Table 1
765	764	Copper oxide; (Copper(I) oxide)	1317-39-1	001317-39-1	143.08	S	1.235E+03		1800 dec				PAC 27 Listing Table 1
766	765	Copper sulfate; (Copper(II) sulfate)	7758-98-7	007758-98-7	159.6	S	2.000E+02						PAC 27 Listing Table 1
767	766	Copper(I) chloride; (Cuprous chloride)	7758-89-6	007758-89-6	98.99	S	4.300E+02		1.490E+03	1.000E+00	5.460E+02		PAC 27 Listing Table 1
768	767	Copper(I) sulfide	22205-45-4	022205-45-4	159.14	S	1127						PAC 27 Listing Table 1
769	768	Copper(II) acetate monohydrate	6046-93-1	006046-93-1	199.66	S	1.150E+02						PAC 27 Listing Table 1
770	769	Copper(II) carbonate hydroxide (2:1:2)	12069-69-1	012069-69-1	221.11	S	200 dec						PAC 27 Listing Table 1
771	770	Copper(II) chloride (1:2); (Cupric chloride)	7447-39-4	007447-39-4	134.45	S	5.980E+02		9.930E+02				PAC 27 Listing Table 1
772	771	Copper(II) chloride dihydrate; (Cupric chloride)	10125-13-0	010125-13-0	170.48	S	1.000E+02		993 dec				PAC 27 Listing Table 1
773	772	Copper(II) oxalate	814-91-5	000814-91-5	153.58	S							PAC 27 Listing Table 1
774	773	Copper(II) perchlorate, dihydrate	17031-32-2	017031-32-2	298.48	S							PAC 27 Listing Table 1
775	774	Copper(II) sulfate pentahydrate	7758-99-8	007758-99-8	249.7	S	110 lose 4H2O		150 dec				PAC 27 Listing Table 1
776	775	Copper(II) sulfide	1317-40-4	001317-40-4	95.6	S	103 trans.		2.000E+02				PAC 27 Listing Table 1
777	776	Corn oil	8001-30-7	008001-30-7	883.45	L	-1.000E+01	7.600E+02	8.330E+02	8.010E-21	2.500E+01	8.010E-21	EPI Suite Modified Grain Method
778	777	Coumaphos	56-72-4	000056-72-4	362.78	S	9.500E+01			9.700E-08	2.000E+01		PAC 27 Listing Table 1
779	778	Coumarin	91-64-5	000091-64-5	146.15	S	70-71		291-301.7	a. 0.00098 b. 1	25 106		PAC 27 Listing Table 1
780	779	Coumatetralyl; (Endroside)	5836-29-3	005836-29-3	292.35	S	172-176						PAC 27 Listing Table 1
781	780	Creosote (coal tar)	8001-58-9	008001-58-9		L		7.600E+02	3.000E+02	8.000E+01	1.000E+02	1.579E+01	Estimated based upon MSDS data, US 614838 3-24-2005
782	781	Cresols	1319-77-3	001319-77-3	108.14	L	1.100E+01	7.600E+02	1.910E+02	2.990E-01	2.500E+01	2.990E-01	PAC 27 Listing Table 1
783	782	Cresyl violet acetate	10510-54-0	010510-54-0	321.3348	S	140-143						PAC 27 Listing Table 1
784	783	Crimidine; (Castrix)	535-89-7	000535-89-7	171.65	S	8.700E+01		140-147 @ 4mm				PAC 27 Listing Table 1
785	784	Cristobalite	14464-46-1	014464-46-1	60.09	S	1.722E+03		2.950E+03				PAC 27 Listing Table 1
786	785	Crocidolite	12001-28-4	012001-28-4	765.98	S							PAC 27 Listing Table 1
787	786	Crotonaldehyde	4170-30-3	004170-30-3	70.09	L	-7.600E+01	7.600E+02	1.022E+02	3.000E+01	2.500E+01	3.000E+01	PAC 27 Listing Table 1
788	787	Crotonaldehyde, trans-	123-73-9	000123-73-9	70.1	L	-6.900E+01	7.600E+02	1.022E+02	3.000E+01	2.500E+01	3.000E+01	LEWIS, RJ (1993)
789	788	Crotonic Acid	3724-65-0	003724-65-0	86.1	S	7.200E+01		1.850E+02	1.900E-01	2.000E+01		PAC 27 Listing Table 1
790	789	Crystal violet; (Aniline violet)	548-62-9	000548-62-9	408.03	S	2.150E+02						PAC 27 Listing Table 1
791	790	Cs7SB; (1-(2,2,3,3-Tetrafluoropropoxy)-3-(4-sec-butylphenoxy)-2-propanol)	308362-88-1	308362-88-1	338.341612	L		7.600E+02	3.380E+02	2.550E-06	2.500E+01	2.550E-06	EPI Suite Modified Grain Method based upon chemical structure
792	791	Cube Resin other than Rotenone	z-0122	00000z-0122		S							PAC 27 Listing Table 1
793	792	Cumene hydroperoxide; (Isopropylbenzene hydroperoxide)	80-15-9	000080-15-9	152.21	L		7.600E+02	1.530E+02	3.270E-03	2.500E+01	3.270E-03	DAUBERT, TE & DANNER, RP (1989)
794	793	Cumene; (Isopropyl benzene)	98-82-8	000098-82-8	120.19	L	-9.602E+01	7.600E+02	1.524E+02	4.500E+00	2.500E+01	4.500E+00	DAUBERT, TE & DANNER, RP (1985)
795	794	Cumenol methylcarbamate, m-; (3-(1-Methylethyl)phenol methylcarbamate)	64-00-6	000064-00-6	193.27	S	72-74		1.430E+02	4.000E-01	2.500E+01		PAC 27 Listing Table 1
796	795	Cupferron; (Ammonium-N-nitrosophenylhydroxylamine)	135-20-6	000135-20-6	155.19	S	163-164						PAC 27 Listing Table 1
797	796	Cupric acetate, anhydrous; (Copper acetate)	142-71-2	000142-71-2	181.64	S							PAC 27 Listing Table 1
798	797	Cupric nitrate hemipentahydrate	19004-19-4	019004-19-4	241.6	S	1.150E+02		170 dec				PAC 27 Listing Table 1
799	798	Cupric nitrite	14984-71-5	014984-71-5	155.54	S							PAC 27 Listing Table 1
800	799	Cupric oxide	1317-38-0	001317-38-0	79.54	S	1.326E+03						PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1	800	Cyanamide	420-04-2	000420-04-2	42.04	S	4.556E+01		140 @ 19mmHg	3.75x10-3	2.000E+01		PAC 27 Listing Table 1
801	801	Cyanic acid; (Hydrogen cyanate)	420-05-3	000420-05-3	43.025	G	-8.600E+01		2.300E+01				PAC 27 Listing Table 1
802	802	Cyanide	57-12-5	000057-12-5	26.02	S							PAC 27 Listing Table 1
803	803	Cyanoacetamide	107-91-5	000107-91-5	84.08	S	1.215E+02		dec				PAC 27 Listing Table 1
804	804	Cyanogen	460-19-5	000460-19-5	52.03	G	-2.783E+01		-2.110E+01	7.500E+02	-2.140E+01		PAC 27 Listing Table 1
805	805	Cyanogen bromide	506-68-3	000506-68-3	105.93	S	5.200E+01		6.160E+01	1.220E+02	2.500E+01		PAC 27 Listing Table 1
806	806	Cyanogen chloride	506-77-4	000506-77-4	61.47	G	-6.500E+00		1.310E+01	1.010E+03	2.000E+01		PAC 27 Listing Table 1
807	807	Cyanogen iodide	506-78-5	000506-78-5	152.92	S	1.465E+02			1.000E+00	2.520E+01		PAC 27 Listing Table 1
808	808	Cyanoguanidene; (Guanidine, cyano-; Dicyandiamido)	461-58-5	000461-58-5	84.08	S	2.095E+02			3.000E+00			PAC 27 Listing Table 1
809	809	Cyanophos	2636-26-2	002636-26-2	243.23	L	1.400E+01	7.600E+02	1.190E+02	7.880E-04	2.500E+01	7.880E-04	TOMLIN, C (1994)
810	810	Cyanuric acid; (1,3,5-Triazine-2,4,6-triol)	108-80-5	000108-80-5	129.09	S	3.600E+02		380 subl				PAC 27 Listing Table 1
811	811	Cyanuric chloride	108-77-0	000108-77-0	184.41	S	146°C		194 @ 764 mmHg	2.000E+00	7.000E+01		PAC 27 Listing Table 1
812	812	Cyanuric fluoride; (2,4,6-Trifluoro-s-triazine)	675-14-9	000675-14-9	135.06	S	-3.800E+01		7.240E+01				PAC 27 Listing Table 1
813	813	Cyclohexane	110-82-7	000110-82-7	84.16	G	6.590E+00		8.073E+01	7.500E+01	1.930E+01		PAC 27 Listing Table 1
814	814	Cyclohexane-1,2-dinitrilotetraacetic acid, trans-; (CyDTA)	13291-61-7	013291-61-7	346.3364	S	213-216						PAC 27 Listing Table 1
815	815	Cyclohexanediamine, 1,2-	694-83-7	000694-83-7	114.22	S	4.000E+01	1.800E+01	9.200E+01				PAC 27 Listing Table 1
816	816	Cyclohexanedimethanol, cis and trans, 1,4-	105-08-8	000105-08-8	144.24	S	41-61		2.740E+02				PAC 27 Listing Table 1
817	817	Cyclohexanol	108-93-0	000108-93-0	100.16	L	2.400E+01	7.600E+02	1.615E+02	8.000E-01	2.500E+01	8.000E-01	DAUBERT, TE & DANNER, RP (1989)
818	818	Cyclohexanone; (Keto-hexamethylene)	108-94-1	000108-94-1	98.14	L	-2.790E+01	7.600E+02	1.554E+02	4.330E+00	2.500E+01	4.330E+00	DAUBERT, TE & DANNER, RP (1985)
819	819	Cyclohexene	110-83-8	000110-83-8	82.15	L	-1.037E+02	7.600E+02	8.300E+01	8.900E+01	2.500E+01	8.900E+01	DAUBERT, TE & DANNER, RP (1989)
820	820	Cycloheximide	66-81-9	000066-81-9	281.39	S	119-121			6.000E-03	2.500E+01		PAC 27 Listing Table 1
821	821	Cyclohexyl isocyanate	3173-53-3	003173-53-3	125.19	S	168-170						PAC 27 Listing Table 1
822	822	Cyclohexyl methyl phosphonic acid	1932-60-1	001932-60-1	178.17	S	41.2-43.8						PAC 27 Listing Table 1
823	823	Cyclohexylamine	108-91-8	000108-91-8	99.17	L	-1.780E+01	7.600E+02	1.340E+02	1.010E+01	2.500E+01	1.010E+01	DAUBERT, TE & DANNER, RP (1989)
824	824	Cyclohexylamino)-1-propanesulfonic acid, 3-; (CAPS)	1135-40-6	001135-40-6	221.35	S	300						PAC 27 Listing Table 1
825	825	Cyclohexylethanol, 2-	4442-79-9	004442-79-9	128.24	L	8.700E+01	7.600E+02	2.080E+02	1.660E-01	2.500E+01	1.660E-01	PERRY, RH & GREEN, D (1984)
826	826	Cyclooctadiene, 1,5-	111-78-4	000111-78-4	108.2	L	-6.900E+01	7.600E+02	1.508E+02	4.952E+00	2.500E+01	4.952E+00	YAWS, CL (1994)
827	827	Cyclooctane	292-64-8	000292-64-8	112.213	L	1.500E+01	7.600E+02	1.510E+02	5.510E+00	2.500E+01	5.510E+00	OHE, S (1976)
828	828	Cyclooctatetraene, 1,3,5,7-	629-20-9	000629-20-9	104.1512	L	-7.000E+00	7.600E+02	1.420E+02	7.900E+00	2.500E+01	7.900E+00	PAC 27 Listing Table 1
829	829	Cyclooctene, cis-	931-87-3	000931-87-3	110.197	L	-1.200E+01	7.600E+02	1.420E+02	8.690E+00	2.500E+01	8.690E+00	EPI Suite Mean VP of Antoine & Grain Methods
830	830	Cyclopentane	287-92-3	000287-92-3	70.133	L	-9.370E+01	7.600E+02	4.930E+01	3.178E+02	2.500E+01	3.178E+02	PAC 27 Listing Table 1
831	831	Cyclopentanone	120-92-3	000120-92-3	84.12	L	-5.130E+01	7.600E+02	1.306E+02	1.140E+01	2.500E+01	1.140E+01	PAC 27 Listing Table 1
832	832	Cyclopropane	75-19-4	000075-19-4	42.09	G	-1.266E+02		-3.350E+01	5.410E+03	2.500E+01		PAC 27 Listing Table 1
833	833	Cyclotetramethylene tetranitramine; (HMX)	2691-41-0	002691-41-0	296.2	S	2.790E+02		expl @ 279				PAC 27 Listing Table 1
834	834	Cyclotol; (RDX-TNT mixture)	8065-53-0	008065-53-0	449.3	S							PAC 27 Listing Table 1
835	835	Cyclotrimethylenetrinitramine; (RDX or Cyclonite)	121-82-4	000121-82-4	222.15	S	2.020E+02		expl	4.000E-04	1.100E+02		PAC 27 Listing Table 1
836	836	Cytidine monophosphate; (Cytidine 5-monophosphate free acid)	63-37-6	000063-37-6	323.23	S	233 dec						PAC 27 Listing Table 1
837	837	Dawsonite; (Crystalline dehydroxy sodium aluminum, carbonate)	12011-76-6	012011-76-6	143.995187	S							PAC 27 Listing Table 1
838	838	DDD; (1,1-bis(4-Chlorophenyl)-2,2-dichloroethane)	72-54-8	000072-54-8	320.04	S	1.095E+02		193 @ 1mmHg	1.35x10-6	2.500E+01		PAC 27 Listing Table 1
839	839	DDE; (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)	72-55-9	000072-55-9	318.03	S	8.900E+01			6.0x10-6	2.500E+01		PAC 27 Listing Table 1
840	840	DDT; (Dichlorodiphenyltrichloroethane)	50-29-3	000050-29-3	354.49	S	1.085E+02		2.600E+02	1.6x10-7	2.000E+01		PAC 27 Listing Table 1
841	841	DEAE Sepharose CL-6B	62610-50-8	062610-50-8		S							PAC 27 Listing Table 1
842	842	Decaborane	17702-41-9	017702-41-9	122.24	S	9.960E+01		2.130E+02	5.000E-02	2.500E+01		PAC 27 Listing Table 1
843	843	Decafluoropentane, 1,1,1,2,3,4,4,5,5,5-	138495-42-8	138495-42-8	252.07	L		7.600E+02	5.500E+01	2.260E+02	2.500E+01	2.260E+02	PAC 27 Listing Table 1
844	844	Decahydronaphthalene	91-17-8	000091-17-8	138.25	L	-4.300E+01	7.600E+02	1.555E+02	2.300E+00	2.500E+01	2.300E+00	PAC 27 Listing Table 1
845	845	Decahydronaphthalene, cis-; (cis-Decalin)	493-01-6	000493-01-6	138.24	L	-4.330E+01	7.600E+02	1.956E+02	2.300E+00	2.500E+01	2.300E+00	PAC 27 Listing Table 1
846	846	Decahydronaphthalene, trans-; (trans-Decalin)	493-02-7	000493-02-7	138.28	L	-3.070E+01	7.600E+02	1.873E+02	1.220E+00	2.500E+01	1.220E+00	DAUBERT, TE & DANNER, RP (1989)
847	847	Decamethylcyclopentasiloxane	541-02-6	000541-02-6	370.77	L	-3.800E+01	7.600E+02	2.100E+02	2.000E-01	2.500E+01	2.000E-01	FLANINGAM, OL (1986)
848	848	Decanal	112-31-2	000112-31-2	156.3	L	-5.000E+00	7.600E+02	2.085E+02	1.030E-01	2.500E+01	1.030E-01	PAC 27 Listing Table 1
849	849	Decane	124-18-5	000124-18-5	142.282	L	-2.960E+01	7.600E+02	1.742E+02	1.430E+00	2.500E+01	1.430E+00	PAC 27 Listing Table 1
850	850	Decene, 1-, homopolymer, hydrogenated	68037-01-4	068037-01-4		L	-6.500E+01	7.600E+02	3.750E+02	1.000E+00	2.000E+01	1.225E+00	Estimated using data from PAC 27 Listing Table 1
851	851	Decyl alcohol; (1-Decanol)	112-30-1	000112-30-1	158.32	L	7.000E+00	7.600E+02	2.329E+02	8.510E-03	2.500E+01	8.510E-03	DAUBERT, TE & DANNER, RP (1989)
852	852	Demeton	8065-48-3	008065-48-3	516.72	L	-1.300E+01	2.000E+00	1.340E+02	3.000E-03	2.500E+01	3.000E-03	ChemSpider Experimental Data
853	853	Demeton-S-methyl	919-86-8	000919-86-8	230.3	L		1.500E-01	8.900E+01	3.000E-04	2.500E+01	3.000E-04	TOMLIN, C (2003)
854	854	Deoxyribonucleic acid; (DNA)	9007-49-2	009007-49-2	523.3692	S							PAC 27 Listing Table 1
855	855	Deuterium	7782-39-0	007782-39-0	4.03	G	-2.544E+02		-2.495E+02				PAC 27 Listing Table 1
856	856	Deuterium oxide; (Heavy water)	7789-20-0	007789-20-0	20.03	L	3.820E+00	7.600E+02	1.014E+02	2.060E+01	2.500E+01	2.060E+01	EPI Suite Experimental Data
857	857	Deuterochloric acid; (Deuterium chloride)	7698-05-7	007698-05-7	37.47	G	-1.140E+02		-8.500E+01				PAC 27 Listing Table 1
858	858	Dextran	9004-54-0	009004-54-0	200000	S							PAC 27 Listing Table 1
859	859	Dextran sulfate sodium	9011-18-1	009011-18-1		S							PAC 27 Listing Table 1
860	860	Di(ethylene glycol) diacrylate	4074-88-8	004074-88-8	214.24	L	-3.473E+01	7.600E+02	2.000E+02	4.080E-02	2.500E+01	4.080E-02	EPI Suite Mean VP of Antoine & Grain Methods
861	861	Di-2-ethylhexyl adipate	103-23-1	000103-23-1	370.57	L	-6.780E+01	5.000E+00	2.140E+02	8.500E-07	2.500E+01	8.500E-07	FELDER, JD ET AL. (1986)

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	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
863	862	Diacetoxidybutyl stannane	1067-33-0	001067-33-0	351.05	L	1.000E+01	7.600E+02	1.300E+02	1.300E+00	2.000E+01	1.923E+00	Estimated using data from PAC 27 Listing Table 1
864	863	Diacetyl peroxide; (Acetyl peroxide)	110-22-5	000110-22-5	118.04	S	3.000E+01		63°C @ 21 mmHg				PAC 27 Listing Table 1
865	864	Dialifor	10311-84-9	010311-84-9	393.846	S	6.800E+01			6.200E-08	2.500E+01		PAC 27 Listing Table 1
866	865	Diallyl phthalate	131-17-9	000131-17-9	246.28	L	-7.000E+01	5.000E+00	1.660E+02	1.160E-03	2.500E+01	1.160E-03	EPI Suite Modified Grain Method
867	866	Diallyldimethylammonium chloride	7398-69-8	007398-69-8	161.7	S							PAC 27 Listing Table 1
868	867	Diallyldimethylammonium chloride polymer	26062-79-3	026062-79-3		S							PAC 27 Listing Table 1
869	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	038668-46-1	219.2486	S							PAC 27 Listing Table 1
870	869	Diaminodiphenyl ether, 4,4'-; (4,4'-Oxydianiline)	101-80-4	000101-80-4	200.26	S	1.870E+02		>300	3.000E-07	2.500E+01		PAC 27 Listing Table 1
871	870	Diaminodiphenylsulfone; (4,4'-Sulfonyldianiline)	80-08-0	000080-08-0	248.32	S	1.760E+02						PAC 27 Listing Table 1
872	871	Diaminodipropylamine, 3,3-; (Aminobis(propylamine))	56-18-8	000056-18-8	131.26	L	-1.450E+01	7.600E+02	2.350E+02	8.620E-02	2.500E+01	8.620E-02	EPI Suite Mean VP of Antoine & Grain Methods
873	872	Diaminopyridine, 2,6-	141-86-6	000141-86-6	109.15	S	121.5		2.850E+02				PAC 27 Listing Table 1
874	873	Diammonium dimolybdate; (Ammonium molybdenum oxide)	27546-07-2	027546-07-2	337.9135	S							PAC 27 Listing Table 1
875	874	Diamond	7782-40-3	007782-40-3	12.01	S	4440 @ 12.4 Gpa						PAC 27 Listing Table 1
876	875	Dianisidine dihydrochloride, o-; (3,3'-Dimethoxybenzidine dihydrochloride)	20325-40-0	020325-40-0	317.24	S	1.370E+02			8.800E-09	2.500E+01		PAC 27 Listing Table 1
877	876	Diatomaceous earth (flux calcinated; Filter agent, celite; Amorphous silica)	68855-54-9	068855-54-9	60.1	S	1.083E+03		2.595E+03				PAC 27 Listing Table 1
878	877	Diatomaceous earth; (Silica-amorphous diatomaceous earth (uncalcined))	61790-53-2	061790-53-2		S	1.700E+03		2.230E+03				PAC 27 Listing Table 1
879	878	Diatomaceous silica, calcined	91053-39-3	091053-39-3		S							PAC 27 Listing Table 1
880	879	Diazabicyclo(2,2,2)octane, 1,4-	280-57-9	000280-57-9	112.2	S	158		1.740E+02				PAC 27 Listing Table 1
881	880	Diazabicyclo(5.4.0)undec-7-ene, 1,8-	6674-22-2	006674-22-2	152.24	L	-7.000E+01	6.000E-01	8.000E+01	5.300E+00	3.770E+01	1.150E+01	Estimated using data from PAC 27 Listing Table 1
882	881	Diazoacetic acid, ethyl ester; (Ethyl diazoacetate)	623-73-4	000623-73-4	114.12	L	-2.200E+01	7.200E+02	1.410E+02	2.800E+00	2.500E+01	2.800E+00	MERCK INDEX (1996)
883	882	Diazomethane	334-88-3	000334-88-3	42.04	G	-1.450E+02		-2.300E+01				PAC 27 Listing Table 1
884	883	Dibenza(a,h)anthracene	53-70-3	000053-70-3	278.35	S	2.668E+02		5.240E+02				PAC 27 Listing Table 1
885	884	Dibenzo(a,e)pyrene; (Naphtho(1,2,3,4-def)chrysene)	192-65-4	000192-65-4	302.38	S	2.250E+02						PAC 27 Listing Table 1
886	885	Dibenzofuran	132-64-9	000132-64-9	168.2	S	8.650E+01		2.870E+02	4.400E-03	2.500E+01		PAC 27 Listing Table 1
887	886	Dibenzo-p-dioxin	262-12-4	000262-12-4	184.2	S	1.190E+02			4.125E-04	2.500E+01		PAC 27 Listing Table 1
888	887	Diborane	19287-45-7	019287-45-7	27.67	G	-1.649E+02		-9.249E+01	7.500E+02	-9.260E+01		PAC 27 Listing Table 1
889	888	Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8	000096-12-8	236.33	L	5.000E+00	7.600E+02	1.960E+02	5.800E-01	2.500E+01	5.800E-01	MUNNECKE,DE & VANGUNDY,SD (1979)
890	889	Dibromo-4-nitrophenol, 2,6-	99-28-5	000099-28-5	296.9	S	145 dec						PAC 27 Listing Table 1
891	890	Dibromochloromethane; (Chlorodibromomethane)	124-48-1	000124-48-1	208.28	L	-2.000E+01	7.600E+02	1.200E+02	5.540E+00	2.500E+01	5.540E+00	PAC 27 Listing Table 1
892	891	Dibromohexane, 1,6-	629-03-8	000629-03-8	241.93	L	-2.300E+00	7.600E+02	2.455E+02	5.550E-02	2.500E+01	5.550E-02	EPI Suite Mean VP of Antoine & Grain Methods
893	892	Dibromomethane; (Methylene dibromide)	74-95-3	000074-95-3	173.85	L	-5.270E+01	7.600E+02	9.560E+01	4.440E+01	2.500E+01	4.440E+01	PAC 27 Listing Table 1
894	893	Dibromophenol, 2,6-	608-33-3	000608-33-3	251.905	S							PAC 27 Listing Table 1
895	894	Dibromopropane, 1,3-	109-64-8	000109-64-8	201.91	L	-3.600E+01	7.600E+02	1.665E+02	1.360E+00	2.500E+01	1.360E+00	HINE,J & MOOKERJEE,PK (1975)
896	895	Dibromotetrafluoroethane; (Halon 2402)	124-73-2	000124-73-2	259.84	L	-1.120E+02	7.600E+02	4.730E+01	3.250E+02	2.500E+01	3.250E+02	DAUBERT,TE & DANNER,RP (1989)
897	896	Dibutyl (2-ethylhexyl)phosphate	z-0011	00000z-0011	322.42512	L				1.800E-07	2.500E+01	1.800E-07	EPI Suite Modified Grain Method CAS 298-07-7
898	897	Dibutyl butylphosphonate	78-46-6	000078-46-6	250.36	L		7.600E+02	1.600E+02	7.130E-04	2.500E+01	7.130E-04	EPI Suite Modified Grain Method
899	898	Dibutyl peroxide, tert-	110-05-4	000110-05-4	146.26	L	-4.000E+01	7.600E+02	1.110E+02	2.510E+01	2.500E+01	2.510E+01	PAC 27 Listing Table 1
900	899	Dibutyl phosphate	107-66-4	000107-66-4	210.2	L		5.000E-02	1.350E+02	1.000E+00	2.500E+01	1.000E+00	ChemSpider Experimental Data
901	900	Dibutyl phosphite	1809-19-4	001809-19-4	194.24	L	1.738E+01	1.000E+00	9.500E+01	2.430E-02	2.500E+01	2.430E-02	EPI Suite Mean VP of Antoine & Grain Methods
902	901	Dibutyl phthalate	84-74-2	000084-74-2	278.34	L	-3.500E+01	7.600E+02	3.400E+02	2.010E-05	2.500E+01	2.010E-05	DONOVAN,SF (1996)
903	902	Dibutylboron triflate; (Dibutylboryl trifluoromethanesulfonate)	60669-69-4	060669-69-4	274.11	S	4.44						PAC 27 Listing Table 1
904	903	Dibutylhexamethylenediamine, N,N'-	4835-11-4	004835-11-4	228.48	L		7.600E+02	2.050E+02	4.000E-04	2.500E+01	4.000E-04	PAC 27 Listing Table 1
905	904	Dibutyltin dilaurate; (Dibutylbis(lauroyloxy)stannane)	77-58-7	000077-58-7	631.65	L	2.300E+01	1.000E+01	2.050E+02	4.460E-09	2.500E+01	4.460E-09	EPI Suite Modified Grain Method
906	905	Dichloran; (2,6-Dichloro-4-nitroaniline; Resisan)	99-30-9	000099-30-9	207.02	S	1.910E+02			0.16mPa	2.000E+01		PAC 27 Listing Table 1
907	906	Dichloro(4,4-dimethylzinc -5(((methylamino)carbonyl)oxy)imino)pentanenitrile), (trans-4)-; (Ethienocarb)	58270-08-9	058270-08-9	333.54	S	120-125			1.000E-05	2.500E+01		PAC 27 Listing Table 1
908	907	Dichloro-1,1,1-trifluoroethane, 2,2-; (HCFC-123)	306-83-2	000306-83-2	152.93	L	-1.070E+02	7.600E+02	2.782E+01	7.180E+02	2.500E+01	7.180E+02	PAC 27 Listing Table 1
909	908	Dichloro-1-fluoroethane, 1,1-; (HCFC-141b; Freon 141)	1717-00-6	001717-00-6	116.95	L	-1.035E+02	7.600E+02	3.200E+01	4.120E+02	2.500E+01	4.120E+02	PAC 27 Listing Table 1
910	909	Dichloro-2-butene, 1,4-	764-41-0	000764-41-0	125	L	3.500E+00	7.600E+02	1.580E+02	3.000E+00	2.500E+01	3.000E+00	PAC 27 Listing Table 1
911	910	Dichloro-2-propanol, 1,3-	96-23-1	000096-23-1	128.99	L	-4.000E+00	7.600E+02	1.740E+02	7.500E-01	2.500E+01	7.500E-01	WEBER,RC ET AL. (1981)
912	911	Dichloro-2-trifluoromethylbenzimidazole, 4,5-; (Chloroflurazole)	3615-21-2	003615-21-2	255.03	S	212-214			4.000E-05	2.250E+01		PAC 27 Listing Table 1
913	912	Dichloroacetic acid	79-43-6	000079-43-6	128.95	L	1.000E+01	7.600E+02	1.940E+02	1.787E-01	2.500E+01	1.787E-01	DAUBERT,TE & DANNER,RP (1989)
914	913	Dichloroacetyl chloride	79-36-7	000079-36-7	147.38	L		7.600E+02	1.080E+02	2.302E+01	2.500E+01	2.302E+01	DAUBERT,TE & DANNER,RP (1989)
915	914	Dichloroacetylene	7572-29-4	007572-29-4	94.92	L	-6.500E+01	7.600E+02	3.300E+01	5.710E+02	2.500E+01	5.710E+02	EPI Suite Mean VP of Antoine & Grain Methods
916	915	Dichloroamine; (Chlorimide)	3400-09-7	003400-09-7	85.92	L		7.600E+02	4.940E+02	6.630E-10	2.500E+01		EPI Suite Modified Grain Method
917	916	Dichlorobenzene, m-	541-73-1	000541-73-1	147	L	-2.480E+01	7.600E+02	1.730E+02	2.150E+00	2.500E+01	2.150E+00	DAUBERT,TE & DANNER,RP (1985)
918	917	Dichlorobenzene, o-	95-50-1	000095-50-1	147	L	-1.700E+01	7.600E+02	1.800E+02	1.360E+00	2.500E+01	1.360E+00	DAUBERT,TE & DANNER,RP (1989)
919	918	Dichlorobenzene, p-	106-46-7	000106-46-7	147	S	5.309E+01		1.740E+02	7.500E-01	8.000E+00		PAC 27 Listing Table 1
920	919	Dichlorobenzidene, 3,3'-	91-94-1	000091-94-1	253.13	S	1.325E+02		4.020E+02				PAC 27 Listing Table 1
921	920	Dichlorocyclohexane, 1,1-	2108-92-1	002108-92-1	153.05	L	-4.700E+01	7.600E+02	1.710E+02	1.490E+00	2.500E+01	1.490E+00	EPI Suite Mean VP of Antoine & Grain Methods
922	921	Dichlorocyclohexane, trans-1,2-	822-86-6	000822-86-6	153.05	L	-1.500E+00	7.600E+02	2.069E+02	2.550E-01	2.500E+01	2.550E-01	EPI Suite Mean VP of Antoine & Grain Methods
923	922	Dichlorodifluoromethane; (Freon 12, CFC 12)	75-71-8	000075-71-8	120.91	G	-1.571E+02		-2.980E+01	7.500E+02	-3.000E+01		PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
924	923	Dichloroethanol acetate, 1,2-	10140-87-1	010140-87-1	157	L	-3.200E+01	3.300E+01	7.900E+01	1.260E+00	2.500E+01	1.260E+00	EPI Suite Mean VP of Antoine & Grain Methods
925	924	Dichloroethyl ether; (1,1'-Oxybis[2-chloro]ethane; Bis(2-chloroethyl)ether)	111-44-4	000111-44-4	143.01	L	-5.190E+01	7.600E+02	1.785E+02	1.550E+00	2.500E+01	1.550E+00	RIDDICK,JA ET AL. (1986)
926	925	Dichloroethylaluminum	563-43-9	000563-43-9	126.95	S	3.200E+01		1.940E+02				PAC 27 Listing Table 1
927	926	Dichloroethylbenzene; (Ethyl)dichlorobenzene)	1331-29-9	001331-29-9	175.06	S	7.000E+01	7.600E+02	2.200E+02				PAC 27 Listing Table 1
928	927	Dichloroethylene, 1,2-	540-59-0	000540-59-0	96.95	L	-5.000E+01	7.600E+02	5.500E+01	2.010E+02	2.500E+01	2.010E+02	PAC 27 Listing Table 1
929	928	Dichloroethylene, cis-1,2-	156-59-2	000156-59-2	96.94	L	-8.000E+01	7.600E+02	6.010E+01	2.000E+02	2.500E+01	2.000E+02	RIDDICK,JA ET AL. (1986)
930	929	Dichloroethylene, trans-1,2-	156-60-5	000156-60-5	96.94	L	-4.980E+01	7.600E+02	4.870E+01	3.310E+02	2.500E+01	3.310E+02	BOUBLIK,T ET AL. (1984)
931	930	Dichlorofluoromethane; (Freon 21, CFC 21)	75-43-4	000075-43-4	102.92	G	-1.304E+02		8.900E+00	7.500E+02	8.600E+00		PAC 27 Listing Table 1
932	931	Dichlorohexane, 1,2-	2162-92-7	002162-92-7	155.0668	L	-4.295E+01	7.600E+02	1.730E+02	1.350E+00	2.500E+01	1.350E+00	EPI Suite Mean VP of Antoine & Grain Methods
933	932	Dichlorohexane, 1,6-	2163-00-0	002163-00-0	155.07	L	-1.300E+01	1.500E+01	8.700E+01	2.950E-01	2.500E+01	2.950E-01	EPI Suite Mean VP of Antoine & Grain Methods
934	933	Dichloroisopropyl ether	108-60-1	000108-60-1	171.06	L	-9.680E+01	7.600E+02	1.870E+02	5.600E-01	2.500E+01	5.600E-01	TOMLIN,C (1997)
935	934	Dichloromethane-d2	1665-00-5	001665-00-5	86.94	L	-9.700E+01	7.600E+02	4.000E+01	4.350E+02	2.500E+01	4.350E+02	EPI Suite Mean VP of Antoine & Grain Methods
936	935	Dichloromethoxy ethane; (bis(2-Chloroethoxy)methane)	111-91-1	000111-91-1	173.05	L	-3.280E+01	7.600E+02	2.175E+02	1.320E-01	2.500E+01	1.320E-01	PERRY,RH & GREEN,D (1984)
937	936	Dichloromethyl ether; (bis(Chloromethyl)ether)	542-88-1	000542-88-1	114.96	L	-4.150E+01	7.600E+02	1.060E+02	2.940E+01	2.500E+01	2.940E+01	PAC 27 Listing Table 1
938	937	Dichloromethylphenylsilane	149-74-6	000149-74-6	191.14	L		7.600E+02	2.050E+02	4.880E-01	2.500E+01	4.880E-01	OHE,S (1976)
939	938	Dichloromethylphosphine; (Methylphosphonous dichloride)	676-83-5	000676-83-5	116.9145	L	-8.700E+01	7.290E+02	8.000E+01	1.660E+02	2.500E+01	1.660E+02	EPI Suite Mean VP of Antoine & Grain Methods
940	939	Dichlorooctane, 1,8-	2162-99-4	002162-99-4	183.12	L	-8.000E+00	1.100E+01	1.150E+02	4.390E-02	2.500E+01	4.390E-02	EPI Suite Mean VP of Antoine & Grain Methods
941	940	Dichlorophene	97-23-4	000097-23-4	269.13	S	1.780E+02						PAC 27 Listing Table 1
942	941	Dichlorophenol, 2,4-	120-83-2	000120-83-2	163	S	4.500E+01		2.100E+02	9.000E-02	2.500E+01		PAC 27 Listing Table 1
943	942	Dichlorophenol, 2,6-	87-65-0	000087-65-0	163	S	6.850E+01		2.200E+02	3.300E-02	2.500E+01		PAC 27 Listing Table 1
944	943	Dichlorophenoxyacetic acid, 2,4-; (2,4-D)	94-75-7	000094-75-7	221.04	S	1.405E+02		160 @ 0.4mmHg	8.25x10-8	2.000E+01		PAC 27 Listing Table 1
945	944	Dichloropropane	26638-19-7	026638-19-7	112.99	L				1.820E+01	2.500E+01	1.820E+01	PAC 27 Listing Table 1
946	945	Dichloropropane, 1,1-	78-99-9	000078-99-9	112.99	L		7.600E+02	8.810E+01	6.590E+01	2.500E+01	6.590E+01	PAC 27 Listing Table 1
947	946	Dichloropropane, 1,2-; (Propylene dichloride)	78-87-5	000078-87-5	112.99	L	-1.004E+02	7.600E+02	9.640E+01	5.330E+01	2.500E+01	5.330E+01	PAC 27 Listing Table 1
948	947	Dichloropropane, 1,3-	142-28-9	000142-28-9	112.99	L	-9.950E+01	7.600E+02	1.209E+02	1.820E+01	2.500E+01	1.820E+01	PAC 27 Listing Table 1
949	948	Dichloropropane, 2,2-	594-20-7	000594-20-7	112.99	L	-3.390E+01	7.600E+02	6.930E+01	1.350E+02	2.500E+01	1.350E+02	EPI Suite Mean VP of Antoine & Grain Methods
950	949	Dichloropropene, 1,1-	563-58-6	000563-58-6	110.97	L		7.600E+02	7.650E+01	9.075E+01	2.500E+01	9.075E+01	WEBER,RC ET AL. (1981)
951	950	Dichloropropene, 1,2-	563-54-2	000563-54-2	110.97	L		7.600E+02	7.500E+01	9.075E+01	2.500E+01	9.075E+01	WEBER,RC ET AL. (1981)
952	951	Dichloropropene, 1,3-; (Including cis- and trans- isomers)	542-75-6	000542-75-6	110.97	L	-5.000E+01	7.600E+02	1.080E+02	3.400E+01	2.500E+01	3.400E+01	PAC 27 Listing Table 1
953	952	Dichloropropene, 2,3-	78-88-6	000078-88-6	110.97	L	1.000E+01	7.600E+02	9.400E+01	6.120E+01	2.500E+01	6.120E+01	PAC 27 Listing Table 1
954	953	Dichloropropene, cis-1,2-; (1,2-Dichloro-1-propene, (Z)-)	6923-20-2	006923-20-2	110.97	L	-5.000E+01	7.600E+02	1.120E+02	3.400E+01	2.500E+01	3.400E+01	EPI Suite Mean VP of Antoine & Grain Methods
955	954	Dichlorosilane	4109-96-0	004109-96-0	101.01	G	-1.220E+02		8.300E+00				PAC 27 Listing Table 1
956	955	Dichlorotetrafluoroethane	1320-37-2	001320-37-2	170.92	G	-94		4.100E+00				PAC 27 Listing Table 1
957	956	Dichlorotetrafluoroethane, 1,2-; (Freon 114, CFC 114)	76-14-2	000076-14-2	170.92	G	-9.390E+01		3.800E+00	2.014E+03	2.500E+01		PAC 27 Listing Table 1
958	957	Dichlorovos; (Dichlorovos)	62-73-7	000062-73-7	220.98	L		1.400E+01	1.200E+02	1.575E-02	2.500E+01	1.575E-02	TOMLIN,C (1994)
959	958	Dicrotophos	141-66-2	000141-66-2	237.22	L		7.600E+02	4.000E+02	1.600E-04	2.500E+01	1.600E-04	USDA PESTICIDE PROPERTIES DATABASE
960	959	Dicyclohexano-18-crown-6	16069-36-6	016069-36-6	372.56	S	38-54		3.440E+02				PAC 27 Listing Table 1
961	960	Dicyclohexyl; (Cyclohexylcyclohexane)	92-51-3	000092-51-3	166.3	L	3.400E+00	7.600E+02	2.270E+02	1.080E-01	2.500E+01	1.080E-01	DAUBERT,TE & DANNER,RP (1989)
962	961	Dicyclohexylcarbodiimide	538-75-0	000538-75-0	206.37	S	34.5						PAC 27 Listing Table 1
963	962	Dicyclopentadiene	77-73-6	000077-73-6	132.22	L	3.290E+01	7.600E+02	1.666E+02	1.000E+01	4.760E+01	2.973E+00	Estimated using data from PAC 27 Listing Table 1
964	963	Didecyldimethylammonium chloride	7173-51-5	007173-51-5	362.16	S							PAC 27 Listing Table 1
965	964	Dieldrin	60-57-1	000060-57-1	380.91	S	1.755E+02			5.89x10-6	2.500E+01		PAC 27 Listing Table 1
966	965	Diesel fuel marine; (Diesel fuel No. 4)	z-0012	00000z-0012		L	-2.900E+01	7.600E+02	5.880E+02	2.120E+00	2.100E+01	2.390E+00	Estimated from API Data, Fuel Oils
967	966	Diesel fuel marine; (Fuel oil No.2)	68476-30-2	068476-30-2		L	-2.900E+01	7.600E+02	3.380E+02	2.120E+00	2.100E+01	2.468E+00	Estimated from API Data, Fuel Oils
968	967	Diesel fuels	68334-30-5	068334-30-5		L	5.800E+00	7.600E+02	2.535E+02	1.160E-02	2.500E+01	1.160E-02	EPI Suite Experimental Data
969	968	Diethanolamine	111-42-2	000111-42-2	105.14	S	2.800E+01		2.688E+02	7.5x10-3	5.300E+01		PAC 27 Listing Table 1
970	969	Diethenylbenzene, polymer with ethenylbenzene and ethenylethylbenzene, sulfonated; (Dowex 50-X8 resin)	69011-20-7	069011-20-7		S							PAC 27 Listing Table 1
971	970	Diethoxydimethylsilane	78-62-6	000078-62-6	148.31	L		7.600E+02	1.140E+02	2.000E+01	2.500E+01	2.000E+01	JORDAN,TE (1954)
972	971	Diethyl (methylthiomethyl) phosphonate	28460-01-7	028460-01-7	198.22	L	1.897E+01	2.000E-01	7.100E+01	1.190E-02	2.500E+01	1.190E-02	EPI Suite Mean VP of Antoine & Grain Methods
973	972	Diethyl benzene isomers; (Dowtherm J)	25340-17-4	025340-17-4	134.24	L	-3.100E+01	7.600E+02	1.838E+02	1.050E+00	2.500E+01	1.050E+00	PAC 27 Listing Table 1
974	973	Diethyl carbonate	105-58-8	000105-58-8	118.15	L	-4.300E+01	7.600E+02	1.260E+02	1.080E+01	2.500E+01	1.080E+01	PAC 27 Listing Table 1
975	974	Diethyl chlorophosphate	814-49-3	000814-49-3	172.56	L	-1.243E+01	1.500E+01	8.800E+01	4.940E+01	2.500E+01	4.940E+01	EPI Suite Mean VP of Antoine & Grain Methods
976	975	Diethyl ethylphosphonate	78-38-6	000078-38-6	166.16	L		7.600E+02	1.980E+02	7.240E-02	2.500E+01	7.240E-02	BOUBLIK,T ET AL. (1984)
977	976	Diethyl malonate; (Ethyl malonate)	105-53-3	000105-53-3	160.19	L	-4.980E+01	7.600E+02	1.989E+02	2.690E-01	2.500E+01	2.690E-01	DAUBERT,TE & DANNER,RP (1989)
978	977	Diethyl mercury	627-44-1	000627-44-1	258.71	L	-3.195E+01	7.600E+02	1.590E+02	3.510E+02	2.500E+01	3.510E+02	EPI Suite Mean VP of Antoine & Grain Methods
979	978	Diethyl methylphosphonate; (DEMP)	683-08-9	000683-08-9	152.15	L				1.330E-02	2.500E+01	1.330E-02	BOUBLIK,T ET AL. (1984)
980	979	Diethyl oxalate	95-92-1	000095-92-1	146.16	L	-4.060E+01	7.600E+02	1.854E+02	4.140E-01	2.500E+01	4.140E-01	DAUBERT,TE & DANNER,RP (1989)
981	980	Diethyl phosphite	762-04-9	000762-04-9	138.12	L		7.600E+02	1.870E+02	1.115E+01	2.500E+01	1.115E+01	PAGE,FM & PURNELL,JH (1958)
982	981	Diethyl phthalate; (Ethyl phthalate)	84-66-2	000084-66-2	222.24	L	-4.050E+01	7.600E+02	2.950E+02	2.100E-03	2.500E+01	2.100E-03	HINCKLEY,DA ET AL. (1990)
983	982	Diethyl pyrocarbonate	1609-47-8	001609-47-8	162.16	L	-4.870E+01	7.600E+02	1.600E+02	1.970E-01	2.500E+01	1.970E-01	EPI Suite Mean VP of Antoine & Grain Methods
984	983	Diethyl sulfate	64-67-5	000064-67-5	154.19	L	-2.400E+01	7.600E+02	2.080E+02	2.120E-01	2.500E+01	2.120E-01	DAUBERT,TE & DANNER,RP (1991)
985	984	Diethyl tartrate	87-91-2	000087-91-2	206.19	L	1.870E+01	7.600E+02	2.800E+02	2.590E-04	2.500E+01	2.590E-04	EPI Suite Mean VP of Antoine & Grain Methods
986	985	Diethyl telluride	627-54-3	000627-54-3	185.72	S	1.375E+02						PAC 27 Listing Table 1
987	986	Diethyl trichloromethylphosphonate	866-23-9	000866-23-9	255.47	L		1.400E+01	1.300E+02	9.300E-03	2.500E+01	9.300E-03	EPI Suite Modified Grain Method

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
988	987	Diethylamine	109-89-7	000109-89-7	73.16	L	-3.890E+01	7.600E+02	5.550E+01	2.374E+02	2.500E+01	2.374E+02	YAWS,CL (1994)
989	988	Diethylaminoacetone	1620-14-0	001620-14-0	129	L	-2.030E+01	1.600E+01	6.400E+01	2.180E+00	2.500E+01	2.180E+00	EPI Suite Mean VP of Antoine & Grain Methods
990	989	Diethylaminopropylamine	104-78-9	000104-78-9	130.27	L	-6.000E+01	7.600E+02	1.650E+02	1.680E+00	2.500E+01	1.680E+00	EPI Suite Mean VP of Antoine & Grain Methods
991	990	Diethylaniline, N,N-	91-66-7	000091-66-7	149.23	L	-3.880E+01	7.600E+02	2.163E+02	1.363E-01	2.500E+01	1.363E-01	DAUBERT,TE & DANNER,RP (1991)
992	991	Diethylbenzene, m-	141-93-5	000141-93-5	134.24	S			181-182				PAC 27 Listing Table 1
993	992	Diethylbenzene, o-	135-01-3	000135-01-3	134.24	L	-2.000E+01	7.600E+02	1.835E+02	1.050E+00	2.500E+01	1.050E+00	DAUBERT,TE & DANNER,RP (1989)
994	993	Diethyldichlorosilane	1719-53-5	001719-53-5	157.13	L	-9.850E+01	7.600E+02	1.290E+02	4.040E+01	4.810E+01	1.305E+01	Estimated using data from PAC 27 Listing Table 1
995	994	Diethylene glycol	111-46-6	000111-46-6	106.14	L	-6.500E+00	7.600E+02	2.440E+02	5.700E-03	2.500E+01	5.700E-03	DAUBERT,TE & DANNER,RP (1991)
996	995	Diethylene glycol di(3-aminopropyl) ether; (Polyglycol diamine)	4246-51-9	004246-51-9	220.36	L		7.600E+02	1.470E+02	2.150E-04	2.500E+01	2.150E-04	EPI Suite Modified Grain Method
997	996	Diethylene glycol diacetate; (2,2'-Oxybisethanol diacetate)	628-68-2	000628-68-2	190.22	S	1.800E+01		2.000E+02				PAC 27 Listing Table 1
998	997	Diethylene glycol dimethyl ether; (Bis(2-methoxy ethyl)ether)	111-96-6	000111-96-6	134.48	L	-6.800E+01	7.600E+02	1.620E+02	2.960E+00	2.500E+01	2.960E+00	DAUBERT,TE & DANNER,RP (1989)
999	998	Diethylene glycol hexyl ether; (n-Hexyl carbitol)	112-59-4	000112-59-4	190.32	L	-3.330E+01	7.600E+02	2.591E+02	1.180E-03	2.500E+01	1.180E-03	DAUBERT,TE & DANNER,RP (1998)
1000	999	Diethylenetriamine	111-40-0	000111-40-0	103.2	L	-3.900E+01	7.600E+02	2.070E+02	2.317E-01	2.500E+01	2.317E-01	DAUBERT,TE & DANNER,RP (1989)
1001	1000	Diethylenetriaminepentaacetic acid	67-43-6	000067-43-6	393.35	S	2.190E+02						PAC 27 Listing Table 1
1002	1001	Diethylethanolamine, N,N-; (Diethylaminoethanol)	100-37-8	000100-37-8	117.22	L	-7.000E+01	7.600E+02	1.620E+02	1.400E+00	2.500E+01	1.400E+00	US EPA (1989A)
1003	1002	Diethylphosphatoethyltriethoxy silane	757-44-8	000757-44-8	328.47	S			141 @ 2MM				PAC 27 Listing Table 1
1004	1003	Diethylstilbestrol; ((E)-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol)	56-53-1	000056-53-1	268.38	S	171-172						PAC 27 Listing Table 1
1005	1004	Diethylthiourea, N,N'-	105-55-5	000105-55-5	132.25	S	7.700E+01						PAC 27 Listing Table 1
1006	1005	Diethylurea, 1,3-	623-76-7	000623-76-7	116.19	S	1.125E+02		2.630E+02				PAC 27 Listing Table 1
1007	1006	Diethylzinc	557-20-0	000557-20-0	123.51	L	-2.800E+01	7.600E+02	1.180E+02	2.080E+01	2.500E+01	2.080E+01	PAC 27 Listing Table 1
1008	1007	Difluoroethane; (1,1-Difluoroethane; HFC 152a)	75-37-6	000075-37-6	66.06	G	-1.170E+02		-2.650E+01	4.550E+03	2.500E+01		PAC 27 Listing Table 1
1009	1008	Digitoxin	71-63-6	000071-63-6	765.05	S	256-257						PAC 27 Listing Table 1
1010	1009	Diglycidyl ether	2238-07-5	002238-07-5	130.16	L		7.600E+02	2.600E+02	9.000E-02	2.500E+01	9.000E-02	PAC 27 Listing Table 1
1011	1010	Diglycol monoethyl ether acetate; (Carbitol acetate)	112-15-2	000112-15-2	176.21	L	-2.500E+01	7.600E+02	2.185E+02	9.890E-02	2.500E+01	9.890E-02	YAWS,CL (1994)
1012	1011	Digoxin	20830-75-5	020830-75-5	781.05	S	265 dec						PAC 27 Listing Table 1
1013	1012	Dihexyl((diethylcarbamoyl)methyl)phosphonate; (Dihexyl-N,N-diethylcarbamoylmethyl phosphonate)	7369-66-6	007369-66-6	363.48	S				3.000E-01	1.680E+02		PAC 27 Listing Table 1
1014	1013	Dihydro-2(3H)-furanone; (4-Butanolide)	96-48-0	000096-48-0	86.1	L	-4.400E+01	7.600E+02	2.030E+02	4.500E-01	2.500E+01	4.500E-01	DAUBERT,TE & DANNER,RP (1989)
1015	1014	Dihydro-2H-pyran, 3,4-	110-87-2	000110-87-2	84.13	L	-7.000E+01	7.600E+02	8.600E+01	7.610E+01	2.500E+01	7.610E+01	EPI Suite Mean VP of Antoine & Grain Methods
1016	1015	Dihydro-3-(nonenyl)-2,5-furandione	28928-97-4	028928-97-4	226.32	S			3.250E+02				PAC 27 Listing Table 1
1017	1016	Dihydro-4-methyl furan, 2,3-	34314-83-5	034314-83-5	84.12	L	-6.508E+01	7.600E+02	9.516E+01	5.260E+01	2.500E+01	5.260E+01	EPI Suite Mean VP of Antoine & Grain Methods
1018	1017	Dihydrogen hexachloroplatinate; (Chloroplatinic acid)	16941-12-1	016941-12-1	409.82	S	6.000E+01						PAC 27 Listing Table 1
1019	1018	Dihydroxy-1,3-indandione, 2,2-; (Ninhydrin monohydrate)	485-47-2	000485-47-2	178.15	S	241.3 dec			2.360E-07	2.500E+01		PAC 27 Listing Table 1
1020	1019	Dihydroxy-2-butene, 1,4-; (2-Butene-1,4-diol)	110-64-5	000110-64-5	88.12	L	7.000E+00	7.600E+02	2.340E+02	4.620E-02	2.500E+01	4.620E-02	PAC 27 Listing Table 1
1021	1020	Dihydroxyanthraquinone, 1,8-; (Dantrol)	117-10-2	000117-10-2	240.22	S	1.930E+02						PAC 27 Listing Table 1
1022	1021	Dihydroxybenzoic acid, 2,4-	89-86-1	000089-86-1	154.13	S	218-219						PAC 27 Listing Table 1
1023	1022	Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate, 4,5-	5808-22-0	005808-22-0	400.28254	S	300 dec						PAC 27 Listing Table 1
1024	1023	Diiodomethane; (Methylene iodide)	75-11-6	000075-11-6	267.83	L	5.000E+00	7.600E+02	1.810E+02	1.200E+00	2.500E+01	1.200E+00	DAUBERT,TE & DANNER,RP (1989)
1025	1024	Diisoamylamine	544-00-3	000544-00-3	157.297	L	-4.400E+01	7.600E+02	1.880E+02	6.530E-01	2.500E+01	6.530E-01	EPI Suite Mean VP of Antoine & Grain Methods
1026	1025	Diisobutyl ketone	108-83-8	000108-83-8	142.27	L		7.600E+02	1.660E+02	1.650E+00	2.500E+01	1.650E+00	RIDDICK,JA ET AL. (1986)
1027	1026	Diisobutylaluminum hydride; (Diisobutylhydroaluminum)	1191-15-7	001191-15-7	142.25	L	-8.000E+01	4.000E+00	1.400E+02	2.300E-01	2.500E+01	2.300E-01	EPI Suite Mean VP of Antoine & Grain Methods
1028	1027	Diisobutylamine	110-96-3	000110-96-3	129.28	L	-7.000E+01	7.600E+02	1.390E+02	7.270E+00	2.500E+01	7.270E+00	PAC 27 Listing Table 1
1029	1028	Diisooctyl acid phosphate	27215-10-7	027215-10-7	322.48	S				4.700E-08	2.500E+01		PAC 27 Listing Table 1
1030	1029	Diisopropyl methylphosphonate	1445-75-6	001445-75-6	180.18	L		7.600E+02	1.211E+02	2.800E-01	2.500E+01	2.800E-01	PAC 27 Listing Table 1
1031	1030	Diisopropyl peroxydicarbonate	105-64-6	000105-64-6	206.22	S	3.602E+04		1.720E+01				PAC 27 Listing Table 1
1032	1031	Diisopropylamine	108-18-9	000108-18-9	101.22	L		7.600E+02	8.300E+01	7.940E+01	2.500E+01	7.940E+01	DAUBERT,TE & DANNER,RP (1989)
1033	1032	Diisopropylamino)ethyl chloride hydrochloride, 2-(-	4261-68-1	004261-68-1	200.18	S							PAC 27 Listing Table 1
1034	1033	Diisopropylaminoethanol, 2-; (N,N-Diisopropyl ethanolamine)	96-80-0	000096-80-0	145.28	L				8.000E-02	2.500E+01	8.000E-02	HAWLEY,GG (1981)
1035	1034	Diisopropylaniline, 2,6-	24544-04-5	024544-04-5	177.32	L	-4.500E+01	7.600E+02	2.570E+02	1.870E-02	2.500E+01	1.870E-02	EPI Suite Mean VP of Antoine & Grain Methods
1036	1035	Diisopropylbenzene, 1,3-	99-62-7	000099-62-7	162.3	L	-6.100E+01	7.600E+02	2.032E+02	3.930E-01	2.500E+01	3.930E-01	DAUBERT,TE & DANNER,RP (1989)
1037	1036	Diisopropylethylamine, N,N-	7087-68-5	007087-68-5	129.24	L	-5.000E+01	7.600E+02	1.265E+02	1.170E+01	2.500E+01	1.170E+01	EPI Suite Mean VP of Antoine & Grain Methods
1038	1037	Diisopropylfluorophosphate; (Phosphorofluoric acid, bis(1-methylethyl) ester)	55-91-4	000055-91-4	184.17	S	-8.200E+01		1.850E+02	5.800E-01	2.500E+01		PAC 27 Listing Table 1
1039	1038	Diisopropyl-naphthalene; (Bis(isopropyl)naphthalene)	38640-62-9	038640-62-9	212.36	S							PAC 27 Listing Table 1
1040	1039	Diketene; (Ketene dimer)	674-82-8	000674-82-8	84.07	L	-6.500E+00	7.600E+02	1.261E+02	1.072E+01	2.500E+01	1.072E+01	DAUBERT,TE & DANNER,RP (1989)
1041	1040	Dilauroyl peroxide	105-74-8	000105-74-8	398.7	S	4.900E+01		62 dec				PAC 27 Listing Table 1
1042	1041	Dimefox; (bis(Dimethylamido)fluorophosphate)	115-26-4	000115-26-4	154.15	L		4.000E+00	6.700E+01	1.100E-01	2.500E+01	1.100E-01	HARTLEY,D & KIDD,H (1987)
1043	1042	Dimethoate	60-51-5	000060-51-5	229.27	S	51-52		107 @ 0.05 mm	1.1 mPa	2.500E+01		PAC 27 Listing Table 1
1044	1043	Dimethoxybenzene, 1,3-	151-10-0	000151-10-0	138.18	L	-5.200E+01	7.600E+02	2.175E+02	1.490E-01	2.500E+01	1.490E-01	EPI Suite Mean VP of Antoine & Grain Methods
1045	1044	Dimethoxybenzene, o-	91-16-7	000091-16-7	138.18	S	22.5		2.060E+02				PAC 27 Listing Table 1
1046	1045	Dimethoxybenzidine 3,3'-; (o-Dianisidine)	119-90-4	000119-90-4	244.29	S	1.370E+02						PAC 27 Listing Table 1
1047	1046	Dimethoxybutane, 1,3-	10143-66-5	010143-66-5	118.2	L	-6.860E+01	1.000E+00	1.170E+02	3.170E+01	2.500E+01	3.170E+01	EPI Suite Mean VP of Antoine & Grain Methods
1048	1047	Dimethoxybutane, 2,2-	3453-99-4	003453-99-4	118.1754	L	-6.266E+01	7.600E+02	9.805E+01	4.680E+01	2.500E+01	4.680E+01	EPI Suite Mean VP of Antoine & Grain Methods

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1049	1048	Dimethoxydiphenylsilane	6843-66-9	006843-66-9	244.39	S			2.860E+02				PAC 27 Listing Table 1
1050	1049	Dimethoxyethane, 1,2-	110-71-4	000110-71-4	90.14	L	-5.800E+01	7.600E+02	8.200E+01	4.800E+01	2.500E+01	4.800E+01	RIDDICK,JA ET AL. (1986)
1051	1050	Dimethoxypropane, 2,2-	77-76-9	000077-76-9	104.15	L	-4.700E+01	7.600E+02	8.300E+01	1.018E+02	2.500E+01	1.018E+02	BAGLAY,AK ET AL. (1988)
1052	1051	Dimethyglyoxime; (Diacetyldioxime)	95-45-4	000095-45-4	116.14	S	238-240						PAC 27 Listing Table 1
1053	1052	Dimethyl butane, 2,2-	75-83-2	000075-83-2	86.2	L	-9.820E+01	7.600E+02	4.970E+01	3.193E+02	2.500E+01	3.193E+02	BOUBLIK,T ET AL. (1984)
1054	1053	Dimethyl carbamoyl chloride	79-44-7	000079-44-7	107.54	L	-3.300E+01	7.600E+02	1.670E+02	1.950E+00	2.500E+01	1.950E+00	PAC 27 Listing Table 1
1055	1054	Dimethyl carbonate	616-38-6	000616-38-6	90.09	L	5.000E-01	7.600E+02	9.091E+01	5.536E+01	2.500E+01	5.536E+01	PAC 27 Listing Table 1
1056	1055	Dimethyl cyclopentanol, 1,3-	19550-46-0	019550-46-0	114.187	L	-1.857E+01	7.600E+02	1.526E+02	1.110E+00	2.500E+01	1.110E+00	EPI Suite Mean VP of Antoine & Grain Methods
1057	1056	Dimethyl disulfide	624-92-0	000624-92-0	94.2	L	-8.467E+01	7.600E+02	1.097E+02	2.870E+01	2.500E+01	2.870E+01	DAUBERT,TE & DANNER,RP (1989)
1058	1057	Dimethyl mercury	593-74-8	000593-74-8	230.66	L		7.600E+02	9.300E+01	6.228E+01	2.500E+01	6.228E+01	LONG,LH & CATTANACH,J (1961)
1059	1058	Dimethyl methylphosphonate; (DMMP)	756-79-6	000756-79-6	124.09	L		1.000E+01	6.700E+01	9.620E-01	2.500E+01	9.620E-01	BOUBLIK,T ET AL. (1984)
1060	1059	Dimethyl phosphite	868-85-9	000868-85-9	110.05	L		8.000E+00	5.650E+01	4.520E+00	2.500E+01	4.520E+00	BENNETT,SR ET AL. (1984)
1061	1060	Dimethyl phosphorochlorodithioate	2524-03-0	002524-03-0	160.56	L		1.200E+01	6.800E+01	5.000E-01	2.500E+01	5.000E-01	ALDRICH (1988)
1062	1061	Dimethyl siloxane; (Dimethylpolysiloxane; Syltherm XLT; Syltherm 800; Silicone 360)	63148-62-9	063148-62-9	162.0896	L	-6.600E+01	7.600E+02	9.900E+01	4.210E+01	2.500E+01	4.210E+01	EPI Suite Experimental Data
1063	1062	Dimethyl sulfate	77-78-1	000077-78-1	126.13	L	-3.170E+01	7.600E+02	1.880E+02	6.770E-01	2.500E+01	6.770E-01	PAC 27 Listing Table 1
1064	1063	Dimethyl sulfide; (2-Thiopropene)	75-18-3	000075-18-3	62.13	L	-9.824E+01	7.600E+02	3.733E+01	5.024E+02	2.500E+01	5.024E+02	DAUBERT,TE & DANNER,RP (1989)
1065	1064	Dimethyl sulfone	67-71-0	000067-71-0	94.133	S	108.9		2.380E+02				PAC 27 Listing Table 1
1066	1065	Dimethyl sulfoxide; (DMSO)	67-68-5	000067-68-5	78.13	L	1.789E+01	7.600E+02	1.890E+02	6.100E-01	2.500E+01	6.100E-01	DAUBERT,TE & DANNER,RP (1989)
1067	1066	Dimethyl(1-phenylethyl)benzene	40766-31-2	040766-31-2	210.34	L		7.600E+02	3.059E+02	1.420E-03	2.500E+01	1.420E-03	EPI Suite Modified Grain Method
1068	1067	Dimethyl(polysiloxane); (Polydimethylsiloxane, silanol terminated; Dimethylsiloxane, poly, hydroxy end-blocked)	70131-67-8	070131-67-8	92.03	L	-1.870E+01	7.600E+02	1.843E+02	1.360E-01	2.500E+01	1.360E-01	EPI Suite Mean VP of Antoine & Grain Methods
1069	1068	Dimethyl-1,3-dioxolane-4-methanol, 2,2-	100-79-8	000100-79-8	132.18	L	-2.640E+01	7.600E+02	7.500E+01	1.073E+02	2.500E+01	1.073E+02	BOUBLIK,T ET AL. (1984)
1070	1069	Dimethyl-1,3-propanediamine, N,N-; (1-Amino-3-dimethylaminopropane)	109-55-7	000109-55-7	102.21	L	-7.000E+01	7.600E+02	1.230E+02	1.000E+01	2.500E+01	1.000E+01	NIH NTP Reports web-site
1071	1070	Dimethyl-1-butanamine, N,N-	927-62-8	000927-62-8	101.22	L	-6.000E+01	7.600E+02	9.500E+01	4.640E+01	2.500E+01	4.640E+01	EPI Suite Mean VP of Antoine & Grain Methods
1072	1071	Dimethyl-2-pentene, (E)-3,4-	4914-92-5	004914-92-5	98.17	L	-1.242E+02	7.600E+02	9.150E+01	6.760E+01	2.500E+01	6.760E+01	EPI Suite Experimental Data
1073	1072	Dimethyl-3-nitrobenzene, 1,2-	83-41-0	000083-41-0	151.163	L	1.500E+01	7.600E+02	2.400E+02	3.590E-01	2.500E+01	3.590E-01	BOUBLIK,T ET AL. (1984)
1074	1073	Dimethyl-3-pentanone, 2,4-	565-80-0	000565-80-0	114.21	L	-6.900E+01	7.600E+02	1.254E+02	1.342E+01	2.500E+01	1.342E+01	YAWS,CL (1994A)
1075	1074	Dimethyl-5-phenylphenazinium chloride, 3,7-diamino-2,8-; (Safranine; Gossypimine)	477-73-6	000477-73-6	350.88	S							PAC 27 Listing Table 1
1076	1075	Dimethylacetamide, N,N-	127-19-5	000127-19-5	87.14	L	-2.000E+01	7.600E+02	1.650E+02	1.300E+00	2.500E+01	1.300E+00	PAC 27 Listing Table 1
1077	1076	Dimethylacrylamide, N,N-	2680-03-7	002680-03-7	99.15	L	-1.772E+01	7.600E+02	1.587E+02	2.670E+00	2.500E+01	2.670E+00	EPI Suite Mean VP of Antoine & Grain Methods
1078	1077	Dimethylamine	124-40-3	000124-40-3	45.08	G	-9.218E+01		6.880E+00	7.500E+02	6.600E+00		PAC 27 Listing Table 1
1079	1078	Dimethylamino)benzaldehyde, p-(	100-10-7	000100-10-7	149.21	S	7.400E+01		176-177 @17mm				PAC 27 Listing Table 1
1080	1079	Dimethylamino)phenyl)azo)benzenesulfonic acid, sodium salt, p-(p-; (Methyl orange, sodium salt)	547-58-0	000547-58-0	327.36	S	>300		dec.				PAC 27 Listing Table 1
1081	1080	Dimethylaminoazobenzene, 4-	60-11-7	000060-11-7	225.29	S	1.170E+02		dec	3.3x10-7	no temp		PAC 27 Listing Table 1
1082	1081	Dimethylaminocyclohexane, N,N-	98-94-2	000098-94-2	127.26	L	-7.700E+01	7.600E+02	1.580E+02	3.600E+00	2.000E+01	4.765E+00	Estimated using data from PAC 27 Listing Table 1
1083	1082	Dimethylaminoethanol, 2-	108-01-0	000108-01-0	89.16	L	-5.900E+01	7.600E+02	1.350E+02	3.180E+00	2.500E+01	3.180E+00	DAUBERT,TE & DANNER,RP (1989)
1084	1083	Dimethylaminoethyl chloride hydrochloride, 2-	4584-46-7	004584-46-7	144.06	S	201						PAC 27 Listing Table 1
1085	1084	Dimethylammonium N,N-dimethylcarbamate	4137-10-4	004137-10-4	134.18	L		7.600E+02	6.000E+01	2.830E+00	2.500E+01	2.830E+00	ACD Labs Physical Chemistry Suite
1086	1085	Dimethylaniline, N,N-	121-69-7	000121-69-7	121.2	L	2.500E+00	7.600E+02	1.931E+02	7.000E-01	2.500E+01	7.000E-01	PAC 27 Listing Table 1
1087	1086	Dimethylbenzidene 3,3'; (o-Tolidine)	119-93-7	000119-93-7	212.29	S	1.310E+02		3.000E+02				PAC 27 Listing Table 1
1088	1087	Dimethylbutyric acid, 2,2-	595-37-9	000595-37-9	116.16	L	-1.400E+01	7.600E+02	9.500E+01	1.480E-01	2.500E+01	1.480E-01	STEELE,WV ET AL. (2002C)
1089	1088	Dimethylchlorosilane; (Chlorodimethylsilane)	1066-35-9	001066-35-9	94.62	L	-1.110E+02	7.600E+02	3.460E+01	5.500E+02	2.500E+01	5.500E+02	EPI Suite Mean VP of Antoine & Grain Methods
1090	1089	Dimethylcyclohexane, cis-1,4-	624-29-3	000624-29-3	112.22	L	-8.740E+01	7.600E+02	1.244E+02	1.794E+01	2.500E+01	1.794E+01	YAWS,CL (1994B)
1091	1090	Dimethyldecane, 2,2-	17302-37-3	017302-37-3	170.34	L	-2.551E+01	7.600E+02	1.856E+02	1.020E+00	2.500E+01	1.020E+00	EPI Suite Mean VP of Antoine & Grain Methods
1092	1091	Dimethyldichlorosilane	75-78-5	000075-78-5	129.06	L	-1.600E+01	7.600E+02	7.030E+01	1.440E+02	2.500E+01	1.440E+02	PAC 27 Listing Table 1
1093	1092	Dimethyldicyclopentadiene	26472-00-4	026472-00-4	160.28	L	-5.100E+01	7.600E+02	2.000E+02	7.500E+00	4.780E+01	2.502E+00	Estimated using data from PAC 27 Listing Table 1
1094	1093	Dimethyldimethoxysilane	1112-39-6	001112-39-6	120.25	L	-8.000E+01	7.600E+02	8.140E+01	8.020E+01	2.500E+01	8.020E+01	EPI Suite Mean VP of Antoine & Grain Methods
1095	1094	Dimethylethyl hydroperoxide, 1,1-; (tert-Butylhydroperoxide)	75-91-2	000075-91-2	90.14	L	-8.000E+00	7.600E+02	8.900E+01	5.465E+00	2.500E+01	5.465E+00	DAUBERT,TE & DANNER,RP (1989)
1096	1095	Dimethylformamide, N,N-	68-12-2	000068-12-2	73.09	L	-6.048E+01	7.600E+02	1.530E+02	3.870E+00	2.500E+01	3.870E+00	DAUBERT,TE & DANNER,RP (1985)
1097	1096	Dimethylheptane, 2,2-	1071-26-7	001071-26-7	128.26	L	-1.130E+02	7.600E+02	1.327E+02	1.077E+01	2.500E+01	1.077E+01	YAWS,CL (1994B)
1098	1097	Dimethylhexane, 3,3-	563-16-6	000563-16-6	114.23	L	-1.261E+02	7.600E+02	1.119E+02	2.860E+01	2.500E+01	2.860E+01	DAUBERT,TE & DANNER,RP (1989)
1099	1098	Dimethylhydrazine, 1,1-	57-14-7	000057-14-7	60.098	L	-5.720E+01	7.600E+02	6.390E+01	1.630E+02	2.500E+01	1.630E+02	SCHIESSL,HW (1995)
1100	1099	Dimethylhydrazine, 1,2-	540-73-8	000540-73-8	60.1	L	-8.900E+00	7.600E+02	8.100E+01	7.500E+01	2.500E+01	6.989E+01	Estimated using data from PAC 27 Listing Table 1
1101	1100	Dimethylimidazole, 1,2-	1739-84-0	001739-84-0	96.15	S	37-39		2.040E+02	1.000E+00	2.000E+01		PAC 27 Listing Table 1
1102	1101	Dimethylisopropylamine, N,N-	996-35-0	000996-35-0	87.1644	L	-9.541E+01	7.600E+02	6.600E+01	1.550E+02	2.500E+01	1.550E+02	EPI Suite Mean VP of Antoine & Grain Methods
1103	1102	Dimethylnonane, 4,5-	17302-23-7	017302-23-7	156.31156	L	-5.478E+01	7.600E+02	1.602E+02	3.260E+00	2.500E+01	3.260E+00	EPI Suite Mean VP of Antoine & Grain Methods
1104	1103	Dimethyloctane, 3,5-	15869-93-9	015869-93-9	142.2838	L	-6.687E+01	7.600E+02	1.594E+02	3.380E+00	2.500E+01	3.380E+00	EPI Suite Mean VP of Antoine & Grain Methods
1105	1104	Dimethylphenol, 2,4-; (2,4-Xylenol)	105-67-9	000105-67-9	122.18	L	2.600E+01	7.600E+02	2.108E+02	1.020E-01	2.500E+01	1.020E-01	PAC 27 Listing Table 1
1106	1105	Dimethylphenol, 2,6-; (2,6-Xylenol)	576-26-1	000576-26-1	122.18	S	48-49		2.030E+02	2.740E-01	2.500E+01		PAC 27 Listing Table 1
1107	1106	Dimethylphthalate	131-11-3	000131-11-3	194.18	L	5.500E+00	7.600E+02	2.837E+02	3.080E-03	2.500E+01	3.080E-03	DAUBERT,TE & DANNER,RP (1989)
1108	1107	Dimethylpolysilane; (Poly(dimethylsilane))	28883-63-8	028883-63-8	290.77	S							PAC 27 Listing Table 1
1109	1108	Dimethyl-p-phenylenediamine, N,N-	99-98-9	000099-98-9	136.22	S	4.100E+01		2.620E+02	1.000E-04	2.500E+01		PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1110	1109	Dimethylpropane, 2,2-; (Neopentane)	463-82-1	000463-82-1	72.17	G	-1.660E+01		9.500E+00	1.290E+03	2.500E+01		PAC 27 Listing Table 1
1111	1110	Dimethylpyridine, 2,4-; (2,4-Lutidine)	108-47-4	000108-47-4	107.17	L	-6.100E+00	7.600E+02	1.457E+02	5.650E+00	2.500E+01	5.650E+00	PAC 27 Listing Table 1
1112	1111	Dimethyltetramethoxydisiloxane, 1,3-	18186-97-5	018186-97-5	226.3722	S							PAC 27 Listing Table 1
1113	1112	Dimetilan	644-64-4	000644-64-4	240.3	S	68-71		200-210 @13mm	9.700E-05	2.000E+01		PAC 27 Listing Table 1
1114	1113	Di-n-amylamine	2050-92-2	002050-92-2	157.297	L	-7.850E+00	7.600E+02	2.025E+02	1.530E-01	2.500E+01	1.530E-01	PAC 27 Listing Table 1
1115	1114	Di-n-butylamine	111-92-2	000111-92-2	129.28	L	-6.190E+01	7.600E+02	1.596E+02	2.587E+00	2.500E+01	2.587E+00	YAWS,CL (1994)
1116	1115	Dinitraniline orange; (Hansa orange RN)	3468-63-1	003468-63-1	338.28	S	3.020E+02			9.32x10-12	2.500E+01		PAC 27 Listing Table 1
1117	1116	Dinitroaniline, 2,4-	97-02-9	000097-02-9	183.14	S	1.880E+02		[56.7]	5.940E-07	2.500E+01		PAC 27 Listing Table 1
1118	1117	Dinitrobenzene, m-	99-65-0	000099-65-0	168.11	S	9.030E+01		2.910E+02	2.0x10-4	2.500E+01		PAC 27 Listing Table 1
1119	1118	Dinitrobenzene, o-	528-29-0	000528-29-0	168.12	S	1.180E+02		3.190E+02				PAC 27 Listing Table 1
1120	1119	Dinitrobenzene, p-	100-25-4	000100-25-4	168.12	S	1.730E+02		2.990E+02	<1	2.000E+01		PAC 27 Listing Table 1
1121	1120	Dinitro-o-cresol, 4,6-	534-52-1	000534-52-1	198.13	S	8.650E+01		2.200E+02	1.200E-04	2.500E+01		PAC 27 Listing Table 1
1122	1121	Dinitrophenol	25550-58-7	025550-58-7	184.12	S							PAC 27 Listing Table 1
1123	1122	Dinitrophenol, 2,3-	66-56-8	000066-56-8	184.11	S	1.445E+02						PAC 27 Listing Table 1
1124	1123	Dinitrophenol, 2,4-	51-28-5	000051-28-5	184.11	S	1.148E+02		subl	3.9x10-4	2.000E+01		PAC 27 Listing Table 1
1125	1124	Dinitrophenol, 2,6-	573-56-8	000573-56-8	184.12	S	6.300E+01						PAC 27 Listing Table 1
1126	1125	Dinitro-p-toluidine, 2,6-; (4-Amino-3,5-dinitrotoluene)	6393-42-6	006393-42-6	197.17	S	171-172						PAC 27 Listing Table 1
1127	1126	Dinitrosopiperazine; (Piperazine, 1,4-dinitroso-)	140-79-4	000140-79-4	144.16	S	1.580E+02						PAC 27 Listing Table 1
1128	1127	Dinitrotoluene	25321-14-6	025321-14-6	182.14	S	7.000E+01	7.600E+02	2.500E+02				PAC 27 Listing Table 1
1129	1128	Dinitrotoluene, 2,4-	121-14-2	000121-14-2	182.13	S	7.050E+01		300 dec	1.47x10-4	2.200E+01		PAC 27 Listing Table 1
1130	1129	Dinitrotoluene, 2,6-	606-20-2	000606-20-2	182.13	S	6.600E+01		2.850E+02	5.67x10-4	2.500E+01		PAC 27 Listing Table 1
1131	1130	Dinitrotoluene, 3,4-	610-39-9	000610-39-9	182.15	S	6.100E+01						PAC 27 Listing Table 1
1132	1131	Dinoseb; (2-sec-Butyl-4,6-dinitrophenol)	88-85-7	000088-85-7	240.21	S	4.000E+01			1.000E+00	1.511E+02		PAC 27 Listing Table 1
1133	1132	Dinoterb; (2-(1,1-Dimethylethyl)-4,6-dinitrophenol)	1420-07-1	001420-07-1	240.24	S	125.5-126.5						PAC 27 Listing Table 1
1134	1133	Diocetyl phthalate, n-	117-84-0	000117-84-0	390.62	S							PAC 27 Listing Table 1
1135	1134	Diocetyl sebacate; (Bis(2-ethylhexyl) sebacate)	122-62-3	000122-62-3	426.76	L	-4.800E+01	5.000E+00	2.560E+02	1.970E-06	2.500E+01	1.970E-06	EPI Suite Modified Grain Method
1136	1135	Diocetyl sodium sulfosuccinate; (Di-(2-ethylhexyl) sodium sulfosuccinate)	577-11-7	000577-11-7	444.62	S	1.550E+02		dec				PAC 27 Listing Table 1
1137	1136	Dioxane, 1,4-; (1,4-Diethylenoxide)	123-91-1	000123-91-1	88.11	L	1.170E+01	7.600E+02	1.015E+02	3.809E+01	2.500E+01	3.809E+01	DAUBERT,TE & DANNER,RP (1985)
1138	1137	Dioxathion	78-34-2	000078-34-2	456.56	L	-2.000E+01	5.000E-01	6.000E+01	8.760E-08	2.500E+01	8.760E-08	EPI Suite Modified Grain Method
1139	1138	Dioxin; (TCDD; 2,3,7,8-Tetrachlorodibenzo-p-dioxin)	1746-01-6	001746-01-6	321.97	S	2.950E+02			1.50x10-9	2.500E+01		PAC 27 Listing Table 1
1140	1139	Dioxolane, 1,3-	646-06-0	000646-06-0	74.09	L	-9.500E+01	7.600E+02	7.800E+01	7.900E+01	2.500E+01	7.900E+01	RIDDICK,JA ET AL. (1985)
1141	1140	Dipentaerythritol; (Dipentek)	126-58-9	000126-58-9	254.26	S	212-220						PAC 27 Listing Table 1
1142	1141	Dipentyl pentylphosphonate	6418-56-0	006418-56-0	292.45	S							PAC 27 Listing Table 1
1143	1142	Diphacnone; (Diphenadione)	82-66-6	000082-66-6	340.39	S	1.470E+02			13.7 nPa	2.500E+01		PAC 27 Listing Table 1
1144	1143	Diphenyl chlorophosphate; (Diphenylphosphoryl chloride)	2524-64-3	002524-64-3	268.63596	L		2.720E+02	3.140E+02	1.710E-05	2.500E+01	1.710E-05	EPI Suite Modified Grain Method
1145	1144	Diphenyl cresol phosphate	26444-49-5	026444-49-5	340.31466	L	-3.800E+01	7.600E+02	3.900E+02	4.700E-06	2.500E+01	4.700E-06	BOETHLING,RS & COOPER,JC (1985)
1146	1145	Diphenyl mercury	587-85-9	000587-85-9	354.8	S			204 @ 10mmHg				PAC 27 Listing Table 1
1147	1146	Diphenyl; (Biphenyl)	92-52-4	000092-52-4	154.21	S	6.893E+01		2.561E+02	7.500E-01	6.900E+01		PAC 27 Listing Table 1
1148	1147	Diphenylamine	122-39-4	000122-39-4	169.22	S	5.320E+01		3.020E+02	7.5x10-3	4.800E+01		PAC 27 Listing Table 1
1149	1148	Diphenylchloroarsine; (Chlorodiphenylarsine)	712-48-1	000712-48-1	264.59	S	4.400E+01		330 dec	4.900E-04	2.000E+01		PAC 27 Listing Table 1
1150	1149	Diphenyldichlorosilane	80-10-4	000080-10-4	253.21	L	-2.000E+01	7.600E+02	3.050E+02	6.050E-04	2.500E+01	6.050E-04	EPI Suite Modified Grain Method
1151	1150	Diphenylguanidine, 1,3-	102-06-7	000102-06-7	211.29	S	1.500E+02		170 dec				PAC 27 Listing Table 1
1152	1151	Diphenylhydrazine, 1,2-	122-66-7	000122-66-7	184.24	S	1.310E+02		2.930E+02	4.4x10-4	2.500E+01		PAC 27 Listing Table 1
1153	1152	Diphenylmethane	101-81-5	000101-81-5	168.25	L	2.590E+01	7.600E+02	2.645E+02	8.210E-03	2.500E+01	8.210E-03	JONES,AH (1960)
1154	1153	Diphenylnitrosamine	86-30-6	000086-30-6	198.24	S	6.650E+01						PAC 27 Listing Table 1
1155	1154	Diphenyloxazole, 2,5-	92-71-7	000092-71-7	221.25	S	7.400E+01		3.600E+02				PAC 27 Listing Table 1
1156	1155	Dipicolinic acid; (2,6-Pyridinedicarboxylic acid)	499-83-2	000499-83-2	167.1208	S	252						PAC 27 Listing Table 1
1157	1156	Dipotassium cadmium oxide	z-0013	00000z-0013	222.6064	S							PAC 27 Listing Table 1
1158	1157	Dipotassium dihydrogen silicate	z-0014	00000z-0014	172.278	S							PAC 27 Listing Table 1
1159	1158	Dipotassium metasilicate	10006-28-7	010006-28-7	154.263	S							PAC 27 Listing Table 1
1160	1159	Dipropyl ketone; (4-Heptanone)	123-19-3	000123-19-3	114.21	L	-3.260E+01	7.600E+02	1.440E+02	6.120E+00	2.500E+01	6.120E+00	DAUBERT,TE & DANNER,RP (1989)
1161	1160	Dipropylamine	142-84-7	000142-84-7	101.19	L	-6.300E+01	7.600E+02	1.093E+02	2.008E+01	2.500E+01	2.008E+01	YAWS,CL (1994A)
1162	1161	Dipropylene glycol methyl ether	34590-94-8	034590-94-8	148.2	L	-8.000E+01	7.600E+02	1.883E+02	5.500E-01	2.500E+01	5.500E-01	DOW CHEMICAL COMPANY (1981)
1163	1162	Direct Black 38; (Apomine black GX)	1937-37-7	001937-37-7	781.78	S							PAC 27 Listing Table 1
1164	1163	Di-sec-octylphthalate	117-81-7	000117-81-7	390.56	L	-5.500E+01	7.600E+02	3.840E+02	1.420E-07	2.500E+01	1.420E-07	HINCKLEY,DA ET AL. (1990)
1165	1164	Disodium (2-ethylhexyl)phosphate	15505-13-2	015505-13-2	155	S							PAC 27 Listing Table 1
1166	1165	Disodium 3,6-endoxohexahydrophthalate	129-67-9	000129-67-9	230.14	S	1.440E+02						PAC 27 Listing Table 1
1167	1166	Disodium butylphosphate	64114-42-7	064114-42-7	200	S							PAC 27 Listing Table 1
1168	1167	Disodium cadmium oxide	z-0016	00000z-0016	190.3893	S							PAC 27 Listing Table 1
1169	1168	Disodium dihydrogen silicate	z-0017	00000z-0017	140.078	S							PAC 27 Listing Table 1
1170	1169	Disodium ethylenediaminediacetate (S and U isomers)	38011-25-5	038011-25-5	220.1	S							PAC 27 Listing Table 1
1171	1170	Disodium hexafluorosilicate (2-)	16893-85-9	016893-85-9	188.07	S							PAC 27 Listing Table 1
1172	1171	Disodium iminodiacetate	928-72-3	000928-72-3	177.08	S							PAC 27 Listing Table 1
1173	1172	Disodium monoxide; (Disodium oxide; Sodium oxide)	1313-59-3	001313-59-3	61.98	S	1132 dec						PAC 27 Listing Table 1

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1													
1174	1173	Disulfiram	97-77-8	000097-77-8	296.56	S	7.000E+01		1.170E+02				PAC 27 Listing Table 1
1175	1174	Disulfoton	298-04-4	000298-04-4	274.42	S	>-25		132-133 @ 1.5 mm	5.400E-05	2.000E+01		PAC 27 Listing Table 1
1176	1175	Di-tert-butyl dicarbonate	24424-99-5	024424-99-5	218.28	L	2.300E+01	5.000E-01	5.600E+01	2.880E-02	2.500E+01	2.880E-02	EPI Suite Mean VP of Antoine & Grain Methods
1177	1176	Di-tert-butylhydroquinone, 2,5-	88-58-4	000088-58-4	222.35	S	213.5						PAC 27 Listing Table 1
1178	1177	Dithiazanine iodide; (3,3'-Diethylpentamethinethiacyanine iodide)	514-73-8	000514-73-8	519.51	S	2.480E+02			1.000E-05	2.500E+01		PAC 27 Listing Table 1
1179	1178	Dithiobiuret	541-53-7	000541-53-7	135.22	S	1.810E+02		dec				PAC 27 Listing Table 1
1180	1179	Dithiodiethanol, 2,2-; (Dithiodiglycol)	1892-29-1	001892-29-1	154.26	S	2.600E+01	7.600E+02	1.600E+02				PAC 27 Listing Table 1
1181	1180	Dithioerythritol, 1,4-	6892-68-8	006892-68-8	154.26	S	8.300E+01	2.000E+00	1.275E+02				PAC 27 Listing Table 1
1182	1181	Diurethane dimethacrylate	72869-86-4	072869-86-4	470.56	S			2.000E+02				PAC 27 Listing Table 1
1183	1182	Divinylbenzene, m-; (m-Vinylstyrene)	108-57-6	000108-57-6	130.2	L	-8.700E+01	7.600E+02	1.950E+02	5.790E-01	2.500E+01	5.790E-01	PAC 27 Listing Table 1
1184	1183	Divinylbenzene, mixed isomers; (Vinylstyrene)	1321-74-0	001321-74-0	130.2	L	-8.700E+01	7.600E+02	1.950E+02	5.790E-01	2.500E+01	5.790E-01	PAC 27 Listing Table 1
1185	1184	Dodecamethylcyclohexasiloxane	540-97-6	000540-97-6	445.02	S							PAC 27 Listing Table 1
1186	1185	Dodecane	112-40-3	000112-40-3	170.38	L	-9.600E+00	7.600E+02	2.163E+02	1.350E-01	2.500E+01	1.350E-01	PAC 27 Listing Table 1
1187	1186	Dodecanethiol, 1-; (Dodecyl mercaptan; Lauryl mercaptan)	112-55-0	000112-55-0	202.44	L	-7.000E+00	7.600E+02	142-145	8.525E-03	2.500E+01	8.525E-03	YAWS,CL (1994)
1188	1187	Dodecen-1-yl)succinic anhydride, (2-; (DDSA)	19780-11-1	019780-11-1	266.38	S	41-43		180-182	<1	2.000E+01		PAC 27 Listing Table 1
1189	1188	Dodecenyl succine anhydride; (Tetrapropenylsuccinic anhydride)	26544-38-7	026544-38-7	266.38	L		7.600E+02	3.500E+02	6.110E-05	2.500E+01	6.110E-05	EPI Suite Modified Grain Method
1190	1189	Dodecenylsuccinic anhydride	25377-73-5	025377-73-5	266.38	L		5.000E+00	1.800E+02	6.110E-05	2.500E+01	6.110E-05	EPI Suite Modified Grain Method
1191	1190	Dodecyl alcohol	112-53-8	000112-53-8	186.38	S	2.400E+01		145-148	8.480E-04	2.500E+01		PAC 27 Listing Table 1
1192	1191	Dodecyl methacrylate	142-90-5	000142-90-5	254.46	L	-2.900E+01	4.000E+00	1.420E+02	1.200E-03	2.000E+01	1.906E-03	Estimated using data from PAC 27 Listing Table 1
1193	1192	Dodecylbenzene sulfonic acid; (Laurylbenzenesulfonic acid)	27176-87-0	027176-87-0	326.54	S							PAC 27 Listing Table 1
1194	1193	Dodecylphenol, 4- (mixture of isomers)	27193-86-8	027193-86-8	262.48	S	6.600E+01	7.600E+02	1.750E+02				PAC 27 Listing Table 1
1195	1194	Dodecylsarcosine sodium salt, N-; (N-Lauryl sarcosine sodium salt)	7631-98-3	007631-98-3	279.45	S							PAC 27 Listing Table 1
1196	1195	Dodecyltrichlorosilane	4484-72-4	004484-72-4	303.81	L		7.600E+02	2.880E+02	2.540E-03	2.500E+01	2.540E-03	EPI Suite Modified Grain Method
1197	1196	Dowex 50WX4 (50-400 ion exchange resin)	11113-61-4	011113-61-4	196.04	S							PAC 27 Listing Table 1
1198	1197	Dv methyl ester; (Methyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	61898-95-1	061898-95-1	223.09	L		2.000E-01	6.400E+01	6.440E-02	2.500E+01	6.440E-02	EPI Suite Modified Grain Method
1199	1198	Dysprosium	7429-91-6	007429-91-6	162.5	S	1.409E+03		2.335E+03				PAC 27 Listing Table 1
1200	1199	Dysprosium nickelide	12175-27-8	012175-27-8	221.19	S							PAC 27 Listing Table 1
1201	1200	Dysprosium nitrate	10143-38-1	010143-38-1	348.6	S	8.860E+01						PAC 27 Listing Table 1
1202	1201	Dysprosium oxide; (Dysprosium(III) oxide)	1308-87-8	001308-87-8	373	S	2.408E+03						PAC 27 Listing Table 1
1203	1202	Ecolite	z-0018	00000z-0018		L		7.600E+02	3.000E+02	1.000E+00	2.000E+01	1.256E+00	Estimated based upon MSDS data, MP Biomedicals 882475 07OCT2011
1204	1203	Emetine dihydrochloride, l-	316-42-7	000316-42-7	553.63	S	2.550E+02			1.000E-05	2.500E+01		PAC 27 Listing Table 1
1205	1204	Endosulfan	115-29-7	000115-29-7	406.93	S	1.060E+02		106 @ 0.7mmHg	6.2x10-6	2.000E+01		PAC 27 Listing Table 1
1206	1205	Endothion	2778-04-3	002778-04-3	280.25	S	9.600E+01						PAC 27 Listing Table 1
1207	1206	Endrin	72-20-8	000072-20-8	380.91	S	245 dec			3x10-6	2.000E+01		PAC 27 Listing Table 1
1208	1207	Epibatidine	140111-52-0	140111-52-0	208.69	L		7.600E+02	3.086E+02	2.120E-04	2.500E+01	2.120E-04	EPI Suite Modified Grain Method
1209	1208	Epibromohydrin	3132-64-7	003132-64-7	136.99	L	-4.000E+01	7.600E+02	1.350E+02	9.900E+00	2.500E+01	9.900E+00	EPI Suite Mean VP Antoine & Grain Methods
1210	1209	Epichlorohydrin	106-89-8	000106-89-8	92.53	L	-2.560E+01	7.600E+02	1.179E+02	1.640E+01	2.500E+01	1.640E+01	PAC 27 Listing Table 1
1211	1210	Epinephrine; (Vasotonin; (R)-4-{1-Hydroxy-2-(methylamino)ethyl}-1,2-benzenediol)	51-43-4	000051-43-4	183.23	S	2.160E+02						PAC 27 Listing Table 1
1212	1211	EPN; (O-Ethyl-O-(4-nitrophenyl) phenylthiophosphonate)	2104-64-5	002104-64-5	323.32	S	3.600E+01		215 @ 5mm	0.126 mPa	2.500E+01		PAC 27 Listing Table 1
1213	1212	Epoxy resin (EPON 1001)	25068-38-6a	025068-38-6a		S							PAC 27 Listing Table 1
1214	1213	Epoxy resin (EPON 1007)	25068-38-6b	025068-38-6b		S							PAC 27 Listing Table 1
1215	1214	Epoxy resin (EPON 820)	25068-38-6c	025068-38-6c		S							PAC 27 Listing Table 1
1216	1215	Epoxy resin ERL-2795	25068-38-6d	025068-38-6d		S							PAC 27 Listing Table 1
1217	1216	Epoxy resin, cured; (4,4'-(1-Methylethylidene)biscyclohexanol, polymer with (chloromethyl)oxirane)	30583-72-3	030583-72-3		S							PAC 27 Listing Table 1
1218	1217	Epoxy resin; (Bisphenol A-Bisphenol A diglycidyl ether polymer)	25036-25-3	025036-25-3		S							PAC 27 Listing Table 1
1219	1218	Epoxy resin; (Epichlorohydrin, polymer with diethylene glycol)	25928-94-3	025928-94-3		S							PAC 27 Listing Table 1
1220	1219	Epoxybutane, 1,2-; (1,2-Butylene oxide)	106-88-7	000106-88-7	72.12	L	-1.500E+02	7.600E+02	6.330E+01	1.800E+02	2.500E+01	1.800E+02	PAC 27 Listing Table 1
1221	1220	Epoxethyl)-7-oxabicyclo(4.1.0)heptane, 3-(; (Vinyl cyclohexene dioxide)	106-87-6	000106-87-6	140.18	L	-5.500E+01	7.600E+02	2.270E+02	1.000E-01	2.000E+01	1.436E-01	Estimated using data from PAC 27 Listing Table 1
1222	1221	Erbium nitrate pentahydrate	10031-51-3	010031-51-3	443.35	S							PAC 27 Listing Table 1
1223	1222	Erbium(III) nitrate	10168-80-6	010168-80-6	353.29	S							PAC 27 Listing Table 1
1224	1223	Erbium(III) nitrate hexahydrate	13476-05-6	013476-05-6	461.41	S	130 lose water						PAC 27 Listing Table 1
1225	1224	Erbium(III) oxide	12061-16-4	012061-16-4	382.52	S	2.344E+03		3.920E+03				PAC 27 Listing Table 1
1226	1225	Ergocalciferol; (Vitamin D2)	50-14-6	000050-14-6	396.72	S	115-118						PAC 27 Listing Table 1
1227	1226	Ergotamine tartrate	379-79-3	000379-79-3	1313.56	S	203 dec						PAC 27 Listing Table 1
1228	1227	Estane; (Polyurethane resin; Urethane rubber)	61789-63-7	061789-63-7		S							PAC 27 Listing Table 1
1229	1228	Ethanaminium, N,N,N-triethyl-, iodide (1:1); (Tetraethylammoniumiodide; Ammonium, tetraethyl-, iodide)	68-05-3	000068-05-3	257.19	S	300 dec						PAC 27 Listing Table 1
1230	1229	Ethane	74-84-0	000074-84-0	30.08	G	-1.720E+02		-8.860E+01	7.600E+02			PAC 27 Listing Table 1
1231	1230	Ethanedioic acid, dimethyl ester	553-90-2	000553-90-2	118.089	S	54.8		1.635E+02				PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1232	1231	Ethanedithiol, 1,2-	540-63-6	000540-63-6	94.2	L	-4.120E+01	7.600E+02	1.460E+02	5.680E+00	2.500E+01	5.680E+00	PAC 27 Listing Table 1
1233	1232	Ethanediy(bisbenzene, 1,1'-(1,2-; (Bibenzyl)	103-29-7	000103-29-7	182.28	S	5.200E+01		2.840E+02				PAC 27 Listing Table 1
1234	1233	Ethanediybis(N-(carboxymethyl)glycine, N,N'-1,2-, dipotassium salt	2001-94-7	002001-94-7	368.46	S							PAC 27 Listing Table 1
1235	1234	Ethanediybis(oxy)bisbenzene, 1,1'-(1,2-	104-66-5	000104-66-5	214.2634	S	95		182 @17mm				PAC 27 Listing Table 1
1236	1235	Ethanethiol; (Ethyl mercaptan)	75-08-1	000075-08-1	62.13	L	-1.479E+02	7.600E+02	3.500E+01	5.293E+02	2.500E+01	5.293E+02	DAUBERT,TE & DANNER,RP (1989)
1237	1236	Ethanol, titanium(4+) salt	3087-36-3	003087-36-3	232.16	L		7.600E+02	3.466E+02	4.390E-05	2.500E+01	4.390E-05	EPI Suite Modified Grain Method
1238	1237	Ethanolamine	141-43-5	000141-43-5	61.08	L	1.050E+01	7.600E+02	1.710E+02	4.040E-01	2.500E+01	4.040E-01	DOW CHEMICAL COMPANY (1980)
1239	1238	Ethenylsilanetriol triacetate	4130-08-9	004130-08-9	232.263	L	7.000E+00	1.300E+01	1.120E+02	3.100E-02	2.500E+01	3.100E-02	EPI Suite Mean VP Antoine & Grain Methods
1240	1239	Ethidium bromide; (2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide)	1239-45-8	001239-45-8	394.35	S	238-240						PAC 27 Listing Table 1
1241	1240	Ethion	563-12-2	000563-12-2	384.49	L	-1.300E+01	3.000E-01	1.650E+02	1.500E-06	2.500E+01	1.500E-06	TOMLIN,C (1994)
1242	1241	Ethoxyethanol, 2-	110-80-5	000110-80-5	90.12	L	-7.000E+01	7.600E+02	1.350E+02	5.310E+00	2.500E+01	5.310E+00	DAUBERT,TE & DANNER,RP (1989)
1243	1242	Ethoxyethoxy)ethanol, 2-(2-; (Carbitol cellosolve; Diethylene glycol monoethyl ether)	111-90-0	000111-90-0	134.2	L		7.600E+02	2.019E+02	1.260E-01	2.500E+01	1.260E-01	DAUBERT,TE & DANNER,RP (1989)
1244	1243	Ethoxyethyl methacrylate, 2-	2370-63-0	002370-63-0	158.1968	S							PAC 27 Listing Table 1
1245	1244	Ethoxyethylacetate, 2-	111-15-9	000111-15-9	132.16	L	-6.170E+01	7.600E+02	1.564E+02	2.340E+00	2.500E+01	2.340E+00	DAUBERT,TE & DANNER,RP (1989)
1246	1245	Ethoxymino)butyl)-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-en-1-one, 2-(1-; (Checkmate)	74051-80-2	074051-80-2	327.53	S							PAC 27 Listing Table 1
1247	1246	Ethoxylated alcohols, C16-18; (Nonionic surfactant)	68439-49-6	068439-49-6		S	44-48						PAC 27 Listing Table 1
1248	1247	Ethoxylated alcohols, C7-C21	68991-48-0	068991-48-0	144.26	L	-6.830E+01	7.600E+02	1.660E+02	3.340E+02	2.500E+01	3.340E+02	EPI Suite Mean VP Antoine & Grain Methods
1249	1248	Ethoxylated nonylphenol; (Nonyl phenyl polyethylene glycol ether)	9016-45-9	009016-45-9		S	42-43						PAC 27 Listing Table 1
1250	1249	Ethyl (or dimethyl) pyrrolidine	z-0020	00000z-0020	99	L				3.150E+01	2.500E+01	3.150E+01	EPI Suite Mean VP of Antoine & Grain Methods CAS 7335-06-0
1251	1250	Ethyl acetate	141-78-6	000141-78-6	88.11	L	-8.380E+01	7.600E+02	7.711E+01	9.320E+01	2.500E+01	9.320E+01	DAUBERT,TE & DANNER,RP (1991)
1252	1251	Ethyl acetoacetate	141-97-9	000141-97-9	130.16	L	-4.500E+01	7.600E+02	1.808E+02	7.800E-01	2.500E+01	7.800E-01	PAC 27 Listing Table 1
1253	1252	Ethyl acrylate	140-88-5	000140-88-5	100.12	L	-7.120E+01	7.600E+02	9.940E+01	3.860E+01	2.500E+01	3.860E+01	DAUBERT,TE & DANNER,RP (1985)
1254	1253	Ethyl alcohol; (Ethanol)	64-17-5	000064-17-5	46.07	L	-1.141E+02	7.600E+02	7.829E+01	5.926E+01	2.500E+01	5.926E+01	DAUBERT,TE & DANNER,RP (1985)
1255	1254	Ethyl alcohol-d; (Ethanol-d)	925-93-9	000925-93-9	47.07	L	-1.141E+02	7.600E+02	7.829E+01	5.930E+01	2.500E+01	5.930E+01	EPI Suite Experimental Data
1256	1255	Ethyl benzene	100-41-4	000100-41-4	106.18	L	-9.490E+01	7.600E+02	1.362E+02	9.600E+00	2.500E+01	9.600E+00	DAUBERT,TE & DANNER,RP (1985)
1257	1256	Ethyl benzoate	93-89-0	000093-89-0	150.19	L	-4.360E+01	7.600E+02	2.134E+02	2.670E-01	2.500E+01	2.670E-01	DAUBERT,TE & DANNER,RP (1989)
1258	1257	Ethyl bromoacetate	105-36-2	000105-36-2	167.02	L	-2.000E+01	7.600E+02	1.588E+02	2.600E+00	2.500E+01	2.600E+00	PAC 27 Listing Table 1
1259	1258	Ethyl butyl ketone; (3-Heptanone)	106-35-4	000106-35-4	114.21	L	-3.670E+01	7.600E+02	1.500E+02	2.600E+00	2.500E+01	2.600E+00	DAUBERT,TE & DANNER,RP (1993)
1260	1259	Ethyl cellulose	9004-57-3	009004-57-3		S	240-255						PAC 27 Listing Table 1
1261	1260	Ethyl chloride; (Chloroethane)	75-00-3	000075-00-3	64.51	G	-1.384E+02		1.230E+01	7.500E+02	1.200E+01		PAC 27 Listing Table 1
1262	1261	Ethyl chloroacetate	105-39-5	000105-39-5	122.56	L	-2.700E+01	7.600E+02	1.440E+02	4.868E+00	2.500E+01	4.868E+00	PERRY,RH & GREEN,D (1984)
1263	1262	Ethyl chloroformate	541-41-3	000541-41-3	108.53	L	-8.060E+01	7.600E+02	9.400E+01	2.240E+01	2.500E+01	2.240E+01	PAC 27 Listing Table 1
1264	1263	Ethyl dimethylamido-cyanophosphate; (Tabun; GA)	77-81-6	000077-81-6	162.15	L	-4.940E+01	7.600E+02	2.380E+02	7.000E-02	2.500E+01	7.000E-02	PAC 27 Listing Table 1
1265	1264	Ethyl ether	60-29-7	000060-29-7	74.12	L	-1.162E+02	7.600E+02	3.450E+01	5.380E+02	2.500E+01	5.380E+02	DAUBERT,TE & DANNER,RP (1995)
1266	1265	Ethyl formate	109-94-4	000109-94-4	74.09	L	-7.900E+01	7.600E+02	5.430E+01	2.446E+02	2.500E+01	2.446E+02	DAUBERT,TE & DANNER,RP (1985)
1267	1266	Ethyl hexanoic acid, 2-; (Butyl ethyl acetic acid)	149-57-5	000149-57-5	144.21	L		7.600E+02	2.280E+02	3.000E-02	2.500E+01	3.000E-02	FLICK,EW (1991)
1268	1267	Ethyl isocyanate	109-90-0	000109-90-0	71.078	L		7.600E+02	6.000E+01	2.000E+02	2.500E+01	2.000E+02	PAC 27 Listing Table 1
1269	1268	Ethyl lactate; (Ethyl (S)-(-)-lactate)	687-47-8	000687-47-8	118.13	S	2.500E+01		1.540E+02	3.750E+00	2.500E+01		PAC 27 Listing Table 1
1270	1269	Ethyl mercury chloride; (Chloroethyl mercury)	107-27-7	000107-27-7	265.1	S	1.920E+02						PAC 27 Listing Table 1
1271	1270	Ethyl methacrylate; (2-Methyl-2-propenoic acid, ethyl ester)	97-63-2	000097-63-2	114.16	L	-7.500E+01	7.600E+02	1.190E+02	2.059E+01	2.500E+01	2.059E+01	DAUBERT,TE & DANNER,RP (1987)
1272	1271	Ethyl nitrite	109-95-5	000109-95-5	75.08	G	-5.000E+01		1.700E+01				PAC 27 Listing Table 1
1273	1272	Ethyl O-2-diisopropylaminoethylmethylphosphonite, O-; (QL)	57856-11-8	057856-11-8	235.30566	L	1.760E+01	7.600E+02	2.530E+02	2.320E-02	2.500E+01	2.320E-02	EPI Suite Mean VP Antoine & Grain Methods
1274	1273	Ethyl propionate	105-37-3	000105-37-3	102.15	L	-7.260E+01	7.600E+02	9.900E+01	3.585E+01	2.500E+01	3.585E+01	PERRY,RH & GREEN,D (1984)
1275	1274	Ethyl S,S-dipropylphosphorodithioate, O-; (Mocap PC-84; Ethoprophos)	13194-48-4	013194-48-4	242.34	L	-1.300E+01	2.000E-01	8.600E+01	3.800E-04	2.500E+01	3.800E-04	PAC 27 Listing Table 1
1276	1275	Ethyl sec-amyl ketone; (5-Methyl-3-heptanone)	541-85-5	000541-85-5	128.24	L	-2.300E+01	7.600E+02	1.680E+02	2.000E+00	2.000E+01	2.691E+00	Estimated using data from PAC 27 Listing Table 1
1277	1276	Ethyl silicate polymer; (Silicic acid, ethyl ester)	11099-06-2	011099-06-2	106.0536	S							PAC 27 Listing Table 1
1278	1277	Ethyl-1,3-hexanediol, 2-; (Ethyl hexylene glycol)	94-96-2	000094-96-2	146.26	L	-4.000E+01	7.600E+02	2.431E+02	3.000E-03	2.500E+01	3.000E-03	BLAINE,RL (1976)
1279	1278	Ethyl-1-hexanol, 2-	104-76-7	000104-76-7	130.26	L	7.600E+01	7.600E+02	1.840E+02	1.360E-01	2.500E+01	1.360E-01	DAUBERT,TE & DANNER,RP (1985)
1280	1279	Ethyl-2-methylheptane, 3-	14676-29-0	014676-29-0	142.2838	L	-6.687E+01	7.600E+02	1.630E+02	2.870E+00	2.500E+01	2.870E+00	EPI Suite Mean VP Antoine & Grain Methods
1281	1280	Ethyl-2-methyloctane, 6-	62016-19-7	062016-19-7	156.31	L	-5.478E+01	7.600E+02	1.602E+02	3.260E+00	2.500E+01	3.260E+00	EPI Suite Mean VP Antoine & Grain Methods
1282	1281	Ethyl-2-oxazoline, 2-	10431-98-8	010431-98-8	99.13	L	-6.200E+01	7.600E+02	1.284E+02	8.490E+00	2.500E+01	8.490E+00	EPI Suite Mean VP Antoine & Grain Methods
1283	1282	Ethyl-4-hydroxybenzoate; (p-Hydroxybenzoic acid ethyl ester)	120-47-8	000120-47-8	166.19	S	116		297-298				PAC 27 Listing Table 1
1284	1283	Ethyl-5-methylheptane, 3-	52896-90-9	052896-90-9	142.28	L	-6.687E+01	7.600E+02	1.582E+02	3.560E+00	2.500E+01	3.560E+00	EPI Suite Mean VP Antoine & Grain Methods
1285	1284	Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid sodium salt, 5-; (Mebane sodium salt)	16550-39-3	016550-39-3	266.34	S							PAC 27 Listing Table 1
1286	1285	Ethylamine; (Monoethylamine; Ethylamine anhydrous)	75-04-7	000075-04-7	45.1	G	-8.060E+01		1.660E+01	4.000E+02	2.000E+01		PAC 27 Listing Table 1
1287	1286	Ethylbenzaldehyde, 2-	22927-13-5	022927-13-5	134.1774	S			83 @ 1 mmHg				PAC 27 Listing Table 1
1288	1287	Ethylbis(2-chloroethyl)amine; (Bis(2-chloroethyl)ethylamine; Nitrogen mustard-1)	538-07-8	000538-07-8	170.1	L	-3.400E+01	7.600E+02	1.940E+02	2.500E-01	2.500E+01	2.500E-01	PAC 27 Listing Table 1
1289	1288	Ethylchlorothioformate	2941-64-2	002941-64-2	123.97	L	-3.077E+01	7.600E+02	1.320E+02	4.050E+00	2.500E+01	4.050E+00	EPI Suite Mean VP Antoine & Grain Methods, Corrected MW

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1289	1289	Ethylidichloroarsine; (Dichloroethylarsine)	598-14-1	000598-14-1	174.89	L	-6.500E+01	7.600E+02	1.560E+02	2.290E+00	2.500E+01	2.290E+00	LEWIS,RJ (1997)
1291	1290	Ethylene	74-85-1	000074-85-1	28.05	G	-1.692E+02		-1.038E+02	5.120E+04	2.500E+01		PAC 27 Listing Table 1
1292	1291	Ethylene chlorohydrin; (2-Chloroethanol)	107-07-3	000107-07-3	80.52	L	-6.900E+01	7.600E+02	1.288E+02	7.180E+00	2.500E+01	7.180E+00	DAUBERT,TE & DANNER,RP (1989)
1293	1292	Ethylene dibromide; (Dibromoethane)	106-93-4	000106-93-4	187.86	L	9.840E+00	7.600E+02	1.316E+02	1.120E+01	2.500E+01	1.120E+01	CALL,F (1957)
1294	1293	Ethylene dichloride; (1,2-Dichloroethane)	107-06-2	000107-06-2	98.96	L	-3.570E+01	7.600E+02	8.350E+01	7.890E+01	2.500E+01	7.890E+01	DAUBERT,TE & DANNER,RP (1985)
1295	1294	Ethylene fluorohydrin; (2-Fluoroethanol)	371-62-0	000371-62-0	64.07	L	-2.645E+01	7.600E+02	1.035E+02	2.125E+01	2.500E+01	2.125E+01	PAC 27 Listing Table 1
1296	1295	Ethylene glycol	107-21-1	000107-21-1	62.08	L	-1.269E+01	7.600E+02	1.973E+02	9.200E-02	2.500E+01	9.200E-02	DAUBERT,TE & DANNER,RP (1985)
1297	1296	Ethylene glycol diacetate	111-55-7	000111-55-7	146.16	L	-3.100E+01	7.600E+02	1.900E+02	7.740E-02	2.500E+01	7.740E-02	PAC 27 Listing Table 1
1298	1297	Ethylene glycol dimethacrylate	97-90-5	000097-90-5	198.1	L	-4.000E+01	7.600E+02	2.600E+02	8.470E+01	2.500E+01	8.470E+01	EPI Suite Mean VP Antoine & Grain Methods
1299	1298	Ethylene glycol monomethyl ether acetate; (EGMEA; 2-Methoxyethyl acetate)	110-49-6	000110-49-6	118.15	L	-7.000E+01	7.600E+02	1.430E+02	2.000E+00	2.500E+01	2.000E+00	FLICK,EW (1991)
1300	1299	Ethylene glycol monomethyl ether; (2-Methoxyethanol; EGME; Methyl Cellosolve(R))	109-86-4	000109-86-4	76.11	L	-8.650E+01	7.600E+02	1.245E+02	9.500E+00	2.500E+01	9.500E+00	DOW CHEMICAL COMPANY (1981)
1301	1300	Ethylene glycol monopropyl ether; (Propyl cellosolve; Ektasolve EP)	2807-30-9	002807-30-9	104.15	L		7.600E+02	1.498E+02	3.117E+00	2.500E+01	3.117E+00	YAWS,CL (1994A)
1302	1301	Ethylene glycol mono-sec-butyl ether	7795-91-7	007795-91-7	118.2	S							PAC 27 Listing Table 1
1303	1302	Ethylene oxide; (Oxirane)	75-21-8	000075-21-8	44.05	G	-1.125E+02		1.060E+01	7.500E+02	1.020E+01		PAC 27 Listing Table 1
1304	1303	Ethylene/vinyl acetate copolmer	24937-78-8	024937-78-8		S	100						PAC 27 Listing Table 1
1305	1304	Ethylenediamine dihydrochloride	333-18-6	000333-18-6	133.04	S	subl.						PAC 27 Listing Table 1
1306	1305	Ethylenediamine, 1,2-	107-15-3	000107-15-3	60.12	L	8.500E+00	7.600E+02	1.172E+02	1.200E+01	2.500E+01	1.200E+01	BOUBLIK,T ET AL. (1984)
1307	1306	Ethylenediaminetetraacetic acid, disodium salt	139-33-3	000139-33-3	336.24	S							PAC 27 Listing Table 1
1308	1307	Ethylenediaminetetraacetic acid, disodium salt, dihydrate	6381-92-6	006381-92-6	372.28	S	248 dec						PAC 27 Listing Table 1
1309	1308	Ethylenediaminetetraacetic acid, ferric ammonium salt	21265-50-9	021265-50-9	362.099	S							PAC 27 Listing Table 1
1310	1309	Ethylenediaminetetraacetic acid, tetrasodium salt, dihydrate	10378-23-1	010378-23-1	416.2	S							PAC 27 Listing Table 1
1311	1310	Ethylenediaminetetraacetic acid, tetrasodiumn salt; (Tetrasodium EDTA)	64-02-8	000064-02-8	380.2	S	2.200E+02		240 dec				PAC 27 Listing Table 1
1312	1311	Ethylenediaminetetraacetic acid; (EDTA)	60-00-4	000060-00-4	292.24	S	245 dec						PAC 27 Listing Table 1
1313	1312	Ethylenedinitrilo)tetra-2-propanol, 1,1',1'',1'''-(	102-60-3	000102-60-3	292.43	S			1.900E+02				PAC 27 Listing Table 1
1314	1313	Ethyleneimine	151-56-4	000151-56-4	43.07	L	-7.790E+01	7.600E+02	5.600E+01	2.130E+02	2.500E+01	2.130E+02	CHAO,J ET AL. (1983)
1315	1314	Ethylenethiourea; (2-Imidazolidinethione)	96-45-7	000096-45-7	102.16	S	2.030E+02						PAC 27 Listing Table 1
1316	1315	Ethylheptane, 4-	2216-32-2	002216-32-2	128.26	L	-6.764E+01	7.600E+02	1.412E+02	7.560E+00	2.500E+01	7.560E+00	EPI Suite Mean VP Antoine & Grain Methods
1317	1316	Ethylhexyl acrylate, 2-; (Acrylic acid, 2-ethylhexyl ester)	103-11-7	000103-11-7	184.31	L	-9.000E+01	7.600E+02	2.140E+02	1.780E-01	2.500E+01	1.780E-01	DAUBERT,TE & DANNER,RP (1989)
1318	1317	Ethylhexyl bromide, 2-	18908-66-2	018908-66-2	193.1962	S	6.944E+01	1.600E+01	7.500E+01				PAC 27 Listing Table 1
1319	1318	Ethylhexylchloroformate, 2-	24468-13-1	024468-13-1	192.71	L		7.600E+02	1.060E+02	1.680E-01	2.500E+01	1.680E-01	DAMLE,SB (1993)
1320	1319	Ethylhexyloxy)ethanol, 2-(2-	1559-35-9	001559-35-9	174.32	L	1.378E+01	7.600E+02	2.277E+02	1.240E-02	2.500E+01	1.240E-02	EPI Suite Mean VP Antoine & Grain Methods
1321	1320	Ethylidene chloride, 1,1-; (1,1-Dichloroethane)	75-34-3	000075-34-3	98.96	L	-9.690E+01	7.600E+02	5.730E+01	2.273E+02	2.500E+01	2.273E+02	DAUBERT,TE & DANNER,RP (1985)
1322	1321	Ethylidene norbornene	16219-75-3	016219-75-3	120.19	L	-2.993E+01	5.800E+01	7.020E+01	6.120E+00	2.500E+01	6.120E+00	EPI Suite Mean VP Antoine & Grain Methods
1323	1322	Ethylmagnesium chloride; (Chloroethyl magnesium)	2386-64-3	002386-64-3	88.82	S							PAC 27 Listing Table 1
1324	1323	Ethylphosphorodichloridate	1498-51-7	001498-51-7	162.94	L	-2.904E+01	7.600E+02	1.670E+02	1.380E+00	2.500E+01	1.380E+00	EPI Suite Mean VP Antoine & Grain Methods
1325	1324	Ethyl-5-dimethylaminoethyl methylphosphonothiolate; (VX nerve agent)	50782-69-9	050782-69-9	267.41	L				7.000E-04	2.500E+01	7.000E-04	LEGGETT,DC (1987)
1326	1325	Ethylthiocyanate	542-90-5	000542-90-5	87.15	L	-8.550E+01	7.600E+02	1.450E+02	4.000E+00	2.500E+01	4.000E+00	PAC 27 Listing Table 1
1327	1326	Ethyltoluene, o-	611-14-3	000611-14-3	120.21	L		7.600E+02	1.641E+02	2.610E+00	2.500E+01	2.610E+00	DAUBERT,TE & DANNER,RP (1989)
1328	1327	Ethyltoluene, p-	622-96-8	000622-96-8	120.21	L	-6.240E+01	7.600E+02	1.622E+02	3.000E+00	2.500E+01	3.000E+00	DAUBERT,TE & DANNER,RP (1989)
1329	1328	Europium	7440-53-1	007440-53-1	151.96	S	8.260E+02		1.489E+03				PAC 27 Listing Table 1
1330	1329	Europium nitrate; (Europium trinitrate)	10138-01-9	010138-01-9	337.99	S							PAC 27 Listing Table 1
1331	1330	Europium oxide	1308-96-9	001308-96-9	351.928	S	2.350E+03						PAC 27 Listing Table 1
1332	1331	Europium(II) iodide	22015-35-6	022015-35-6	405.77	S	580						PAC 27 Listing Table 1
1333	1332	Farnesol	4602-84-0	004602-84-0	222.41	L	3.240E+00	3.500E-01	1.100E+02	3.940E-05	2.500E+01	3.940E-05	EPI Suite Modified Grain Method
1334	1333	Fatty acids, tall-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	66070-62-0	066070-62-0		S							PAC 27 Listing Table 1
1335	1334	Fenamiphos	22224-92-6	022224-92-6	303.39	S	4.920E+01		4.500E+02	1.000E-06	2.500E+01		PAC 27 Listing Table 1
1336	1335	Fensulfothion	115-90-2	000115-90-2	308.37	L		7.600E+02	4.400E+02	5.000E-05	2.500E+01	5.000E-05	PAC 27 Listing Table 1
1337	1336	Fenthion	55-38-9	000055-38-9	278.34	L	7.000E+00	1.000E-02	8.700E+01	1.050E-05	2.500E+01	1.050E-05	TOMLIN,C (1997)
1338	1337	Ferric ammonium citrate	1185-57-5	001185-57-5	709.44	S							PAC 27 Listing Table 1
1339	1338	Ferric ammonium sulfate dodecahydrate	7783-83-7	007783-83-7	482.26	S	39-41						PAC 27 Listing Table 1
1340	1339	Ferric ammonium sulfate; (Sulfuric acid, ammonium iron(3e+) salt (2:1:1))	10138-04-2	010138-04-2	269.02	S							PAC 27 Listing Table 1
1341	1340	Ferric chloride	7705-08-0	007705-08-0	162.2	S	3.076E+02		~ 316	1.000E+00	1.940E+02		PAC 27 Listing Table 1
1342	1341	Ferric chloride hexahydrate	10025-77-1	010025-77-1	270.32	S	3.700E+01						PAC 27 Listing Table 1
1343	1342	Ferric fluoride	7783-50-8	007783-50-8	112.85	S	1.000E+03						PAC 27 Listing Table 1
1344	1343	Ferric hydroxide; (Iron(III) hydroxide)	1309-33-7	001309-33-7	106.87	S	5.000E+02		dec				PAC 27 Listing Table 1
1345	1344	Ferric nitrate	10421-48-4	010421-48-4	241.86	S	3.500E+01						PAC 27 Listing Table 1
1346	1345	Ferric nitrate nonahydrate; (Iron(III) nitrate nonahydrate (1:3:9))	7782-61-8	007782-61-8	404.06	S	4.720E+01		decomp				PAC 27 Listing Table 1
1347	1346	Ferric phosphate	10045-86-0	010045-86-0	150.82	S							PAC 27 Listing Table 1
1348	1347	Ferric sulfate; (Iron(III) sulfate)	10028-22-5	010028-22-5	399.88	S	480 dec						PAC 27 Listing Table 1
1349	1348	Ferrous ammonium sulfate	10045-89-3	010045-89-3	284.07	S	100-110						PAC 27 Listing Table 1
1350	1349	Ferrous carbonate	563-71-3	000563-71-3	115.86	S	dec						PAC 27 Listing Table 1
1351	1350	Ferrous chloride	7758-94-3	007758-94-3	126.75	S	6.760E+02		1.012E+03	1.000E+01	7.000E+02		PAC 27 Listing Table 1
1352	1351	Ferrous disulfide; (Iron disulfide)	12068-85-8	012068-85-8	119.97	S	>600						PAC 27 Listing Table 1
1353	1352	Ferrous hydroxide; (Iron(II) hydroxide)	18624-44-7	018624-44-7	89.86	S	140 dec						PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1354	1353	Ferrous Oxalate; (Iron(II) oxalate)	516-03-0	000516-03-0	143.87	S							PAC 27 Listing Table 1
1355	1354	Ferrous sulfamate	14017-39-1	014017-39-1	155.96	S							PAC 27 Listing Table 1
1356	1355	Ferrous sulfate	7720-78-7	007720-78-7	151.91	S							PAC 27 Listing Table 1
1357	1356	Ferrous sulfate heptahydrate	7782-63-0	007782-63-0	278.01	S	~ 60 dec						PAC 27 Listing Table 1
1358	1357	Fibrous glass; (Fiber glass; Glass frit; Synthetic vitreous fibers)	65997-17-3	065997-17-3		S							PAC 27 Listing Table 1
1359	1358	Fluenetil	4301-50-2	004301-50-2	258.31	S				2.500E-06	2.500E+01		PAC 27 Listing Table 1
1360	1359	Fluoboric acid; (Tetrafluoroboric acid)	16872-11-0	016872-11-0	87.82	L		7.600E+02	1.300E+02	4.150E-07	2.500E+01	4.150E-07	EPI Suite Modified Grain Method
1361	1360	Fluoranthene	206-44-0	000206-44-0	202.25	S	1.102E+02		3.840E+02	9.22x10-6	2.500E+01		PAC 27 Listing Table 1
1362	1361	Fluorene, 9H-	86-73-7	000086-73-7	166.22	S	1.148E+02		2.950E+02	7.500E+00	1.374E+02		PAC 27 Listing Table 1
1363	1362	Fluorides (as F)	16984-48-8	016984-48-8	18.9984	S							PAC 27 Listing Table 1
1364	1363	Fluorine	7782-41-4	007782-41-4	38	G	-219.4 triple point		-1.881E+02	7.500E+02	-1.883E+02		PAC 27 Listing Table 1
1365	1364	Fluoro-2-nitrobenzene, 1-; (o-Fluoronitrobenzene)	1493-27-2	001493-27-2	141.1	S	27		206-207				PAC 27 Listing Table 1
1366	1365	Fluoro-4-nitrophenol, 2-	403-19-0	000403-19-0	157.1	S	120-122						PAC 27 Listing Table 1
1367	1366	Fluoro-6-nitrophenol, 2-	1526-17-6	001526-17-6	157.1	S							PAC 27 Listing Table 1
1368	1367	Fluoroacetamide	640-19-7	000640-19-7	77.07	S	107-109		2.500E+02	1.000E-03	2.500E+01		PAC 27 Listing Table 1
1369	1368	Fluoroacetic acid, sodium salt; (Sodium fluoroacetate)	62-74-8	000062-74-8	100.03	S	2.000E+02						PAC 27 Listing Table 1
1370	1369	Fluoroacetic acid; (Fluoroethanoic acid)	144-49-0	000144-49-0	78.05	S	3.530E+01		167-168	1.900E+00	2.500E+01		PAC 27 Listing Table 1
1371	1370	Fluoroacetyl chloride	359-06-8	000359-06-8	96.49	L		7.600E+02	7.300E+01	8.000E+01	2.500E+01	8.000E+01	PAC 27 Listing Table 1
1372	1371	Fluoroaniline, p-	371-40-4	000371-40-4	111.13	L	-1.900E+00	7.600E+02	1.880E+02	1.000E+00	2.500E+01	1.000E+00	PAC 27 Listing Table 1
1373	1372	Fluorobenzene	462-06-6	000462-06-6	96.11	L	-4.000E+01	7.600E+02	8.520E+01	7.720E+01	2.500E+01	7.720E+01	DAUBERT,TE & DANNER,RP (1989)
1374	1373	Fluorosulfonic acid; (Fluorosulfuric acid)	7789-21-1	007789-21-1	100.07	L	-8.900E+01	7.600E+02	1.630E+02	4.570E-15	2.500E+01	4.570E-15	EPI Suite Modified Grain Method
1375	1374	Fluorotrimethylsilane	420-56-4	000420-56-4	92	G	-7.400E+01	7.600E+02	-5.680E+00				PAC 27 Listing Table 1
1376	1375	Fluorouracil	51-21-8	000051-21-8	130.09	S	282-283		3.610E+02	1.000E-05	2.500E+01		PAC 27 Listing Table 1
1377	1376	Fonofos	944-22-9	000944-22-9	246.34	L		7.600E+02	3.800E+02	2.100E-04	2.500E+01	2.100E-04	PAC 27 Listing Table 1
1378	1377	Food Red 15; (FD&C Red No. 19)	81-88-9	000081-88-9	479.06	S							PAC 27 Listing Table 1
1379	1378	Forane	26675-46-7	026675-46-7	184.5	L		7.600E+02	4.900E+01	1.880E+02	2.500E+01	1.880E+02	EPI Suite Modified Grain Method
1380	1379	Formaldehyde	50-00-0	000050-00-0	30.03	G	-9.200E+01		-1.910E+01	7.500E+02	-1.930E+01		PAC 27 Listing Table 1
1381	1380	Formaldehyde cyanohydrin; (Hydroxyacetoneitrile; Glycolonitrile)	107-16-4	000107-16-4	57.06	L	-7.200E+01	7.600E+02	1.830E+02	1.800E+00	2.500E+01	1.800E+00	PAC 27 Listing Table 1
1382	1381	Formamide	75-12-7	000075-12-7	45.05	L	2.500E+00	7.600E+02	7.050E+01	6.100E-02	2.500E+01	6.100E-02	DAUBERT,TE & DANNER,RP (1989)
1383	1382	Formetanate hydrochloride	23422-53-9	023422-53-9	257.72	S	201 dec			0.027 mPa	2.500E+01		PAC 27 Listing Table 1
1384	1383	Formic acid	64-18-6	000064-18-6	46.03	L	8.300E+00	7.600E+02	1.010E+02	4.259E+01	2.500E+01	4.259E+01	DAUBERT,TE & DANNER,RP (1985)
1385	1384	Formic acid, 2-propenyl ester; (Allyl formate)	1838-59-1	001838-59-1	86.1	L	-7.465E+01	7.600E+02	8.300E+01	7.500E+01	2.500E+01	7.500E+01	EPI Suite Mean VP Antoine & Grain Methods
1386	1385	Formic acid, butyl ester; (n-Butyl formate)	592-84-7	000592-84-7	102.15	L	-9.000E+01	7.600E+02	1.060E+02	2.890E+01	2.500E+01	2.890E+01	DAUBERT,TE & DANNER,RP (1989)
1387	1386	Formothion	2540-82-1	002540-82-1	257.27	L	2.550E+01		8.480E-07	2.500E+01	2.500E+01	8.480E-07	TOMLIN,C (2003)
1388	1387	Formparanate	17702-57-7	017702-57-7	235.32	S			3.850E+02	2.500E-06	2.500E+01		PAC 27 Listing Table 1
1389	1388	Formylpiperidine, 1-	2591-86-8	002591-86-8	113.18	L	-3.080E+01	7.600E+02	2.225E+02	1.150E-01	2.500E+01	1.150E-01	EPI Suite Mean VP Antoine & Grain Methods
1390	1389	Fosthietan	21548-32-3	021548-32-3	241.28	L		7.600E+02	2.500E+02	6.500E-06	2.500E+01	6.500E-06	PAC 27 Listing Table 1
1391	1390	Fuberidazole	3878-19-1	003878-19-1	184.21	S	2.860E+02			1.000E-05	2.500E+01		PAC 27 Listing Table 1
1392	1391	Fuel oil, residual	68476-33-5	068476-33-5		L		7.600E+02	4.520E+02	8.000E+00	2.000E+01	9.094E+00	Estimated based upon MSDS Data, NOVA Chemicals, NOVA-0023 11/2007
1393	1392	Fulminic acid; (Carbyloxime)	506-85-4	000506-85-4	43.02	L		7.600E+02	4.908E+02	7.960E-12	2.500E+01	7.960E-12	EPI Suite Modified Grain Method
1394	1393	Fumaric acid	110-17-8	000110-17-8	116.08	S	300-302		2.900E+02	1.540E-04	2.500E+01		PAC 27 Listing Table 1
1395	1394	Furan	110-00-9	000110-00-9	68.07	L	-8.561E+01	7.600E+02	3.150E+01	6.000E+02	2.500E+01	6.000E+02	DAUBERT,TE & DANNER,RP (1989)
1396	1395	Furancarboxaldehyde, 2-; (Furfural)	98-01-1	000098-01-1	96.09	L	-3.810E+01	7.600E+02	1.617E+02	2.210E+00	2.500E+01	2.210E+00	DAUBERT,TE & DANNER,RP (1989)
1397	1396	Furancarboxylic acid, ethyl ester, 2-; (Ethyl fuoroate)	614-99-3	000614-99-3	140.14	S	3.450E+01		1.968E+02				PAC 27 Listing Table 1
1398	1397	Furfuryl alcohol	98-00-0	000098-00-0	98.1	L	-1.460E+01	7.600E+02	1.710E+02	7.500E-01	2.500E+01	7.500E-01	PAC 27 Listing Table 1
1399	1398	Fusariotoxin T2; (T2-Trichothecene)	21259-20-1	021259-20-1	466.58	S	151-152						PAC 27 Listing Table 1
1400	1399	Gadolinium	7440-54-2	007440-54-2	157.25	S	1.312E+03		3.273E+03				PAC 27 Listing Table 1
1401	1400	Gadolinium chloride hexahydrate	13450-84-5	013450-84-5	371.72	S							PAC 27 Listing Table 1
1402	1401	Gadolinium hydroxide	16469-18-4	016469-18-4	208.27	S							PAC 27 Listing Table 1
1403	1402	Gadolinium nitrate, solid	10168-81-7	010168-81-7	343.28	S							PAC 27 Listing Table 1
1404	1403	Gadolinium nitrite	z-0022	00000z-0022	295.25	S							PAC 27 Listing Table 1
1405	1404	Gadolinium(III) oxide	12064-62-9	012064-62-9	362.4982	S	2.339E+03		3.900E+03				PAC 27 Listing Table 1
1406	1405	Gallic acid monohydrate	5995-86-8	005995-86-8	188.1366	S	251						PAC 27 Listing Table 1
1407	1406	Gallium	7440-55-3	007440-55-3	69.72	S	2.978E+01		2.403E+03				PAC 27 Listing Table 1
1408	1407	Gallium oxide	12024-21-4	012024-21-4	187.44	S	1.900E+03						PAC 27 Listing Table 1
1409	1408	Gallium trichloride	13450-90-3	013450-90-3	176.07	S	7.800E+01		2.013E+02				PAC 27 Listing Table 1
1410	1409	Gallium trifluoride	7783-51-9	007783-51-9	126.72	S							PAC 27 Listing Table 1
1411	1410	Gasoline	86290-81-5	086290-81-5	72	L	-9.050E+01	7.600E+02	2.100E+02	3.040E+02	3.780E+01	2.722E+02	Estimated using data from PAC 27 Listing Table 1
1412	1411	Gelatin; (Pharmagel A)	9000-70-8	009000-70-8		S							PAC 27 Listing Table 1
1413	1412	Germane; (Germanium tetrahydride)	7782-65-2	007782-65-2	76.63	G	-1.650E+02		-9.000E+01				PAC 27 Listing Table 1
1414	1413	Germanium	7440-56-4	007440-56-4	72.59	S	938.25		2.833E+03	0.000E+00	2.500E+01		PAC 27 Listing Table 1
1415	1414	Germanium oxide	1310-53-8	001310-53-8	104.59	S	1115 sol						PAC 27 Listing Table 1
1416	1415	Germanium tetrafluoride	7783-58-6	007783-58-6	148.6	G	-1.500E+01		-3.650E+01				PAC 27 Listing Table 1
1417	1416	Germanous acid	z-0023	00000z-0023	122.604	S							PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1418	1417	Giemsa's stain; (Blood stain)	51811-82-6	051811-82-6		S	3.000E+02						PAC 27 Listing Table 1
1419	1418	Gluconic acid, D-	526-95-4	000526-95-4	196.18	S	1.310E+02						PAC 27 Listing Table 1
1420	1419	Glucose monohydrate, D(+); (Dextrose)	14431-43-7	014431-43-7	198.17	S							PAC 27 Listing Table 1
1421	1420	Glucose, alpha-D-; (alpha-Dextrose)	492-62-6	000492-62-6	180.18	S							PAC 27 Listing Table 1
1422	1421	Glucose, D-; (Dextrose, anhydrous)	50-99-7	000050-99-7	180.18	S	1.460E+02						PAC 27 Listing Table 1
1423	1422	Glutamic acid, L-; (S)-(+)-Glutamic acid)	56-86-0	000056-86-0	147.15	S	1.940E+02						PAC 27 Listing Table 1
1424	1423	Gluteraldehyde	111-30-8	000111-30-8	100.13	L		7.600E+02	7.100E+01	6.000E-01	2.500E+01	6.000E-01	HEISLER,SL & FRIEDLANDER,SK (1977)
1425	1424	Glycerine (mist); (Glycerol; Glycerin)	56-81-5	000056-81-5	92.09	L	1.810E+01	7.600E+02	2.900E+02	1.680E-04	2.500E+01	1.680E-04	DAUBERT,TE & DANNER,RP (1989)
1426	1425	Glycerine carbonate; (4-Hydroxymethyl-1,3-dioxolan-2-one)	931-40-8	000931-40-8	118.09	S			137 @ 0.5 mm				PAC 27 Listing Table 1
1427	1426	Glyceryl monostearate; (Octadecanoic acid, monoester with 1,2,3-propanetriol)	31566-31-1	031566-31-1	358.63	S	58-59						PAC 27 Listing Table 1
1428	1427	Glycidaldehyde	765-34-4	000765-34-4	72.06	L	-6.200E+01	7.600E+02	1.125E+02	2.180E+01	2.500E+01	2.180E+01	EPI Suite Mean VP Antoine & Grain Methods
1429	1428	Glycidol; (Oxiranemethanol)	556-52-5	000556-52-5	74.09	L	-4.500E+01	7.600E+02	1.670E+02	9.000E-01	2.500E+01	9.000E-01	PAC 27 Listing Table 1
1430	1429	Glycidoxypropyl(trimethoxysilane; (3-(2,3-Epoxypropoxy) propyl(trimethoxysilane)	2530-83-8	002530-83-8	236.38	L	-7.000E+01	7.600E+02	2.900E+02	1.420E-02	2.500E+01	1.420E-02	EPI Suite Modified Grain Method
1431	1430	Glycidyl acrylate; (2,3-Epoxypropyl acrylate)	106-90-1	000106-90-1	128.14	L	-4.150E+01	2.000E+00	5.720E+01	2.970E+00	2.500E+01	2.970E+00	EPI Suite Mean VP Antoine & Grain Methods
1432	1431	Glycine; (Aminoacetic acid)	56-40-6	000056-40-6	75.08	S	262 dec						PAC 27 Listing Table 1
1433	1432	Glycol carbonate; (Ethylene carbonate)	96-49-1	000096-49-1	88.07	S	3.640E+01		2.480E+02	1.000E-02	2.000E+01		PAC 27 Listing Table 1
1434	1433	Glycolic acid; (Hydroxyacetic acid)	79-14-1	000079-14-1	76.06	S	63(alpha) 79(beta)		100 dec	8.100E+00	8.000E+01		PAC 27 Listing Table 1
1435	1434	Glycols, polyethylene, dimethyl ether	24991-55-7	024991-55-7		L	-5.800E+01	7.600E+02	8.500E+01	7.920E+01	2.500E+01	7.920E+01	EPI Suite Mean VP Antoine & Grain Methods
1436	1435	Glycols, polyethylene, mono(p-nonylphenyl) ether; (Nonoxynol-9)	26027-38-3	026027-38-3		L		7.600E+02	5.107E+02	9.690E-13	2.500E+01	9.690E-13	EPI Suite Modified Grain Method
1437	1436	Glycoluril; (Acetyleneurea)	496-46-8	000496-46-8	142.117	S	300 dec						PAC 27 Listing Table 1
1438	1437	Glyoxal	107-22-2	000107-22-2	58.04	L	1.500E+01	7.760E+02	5.100E+01	2.550E+02	2.500E+01	2.550E+02	PAC 27 Listing Table 1
1439	1438	Goethite; (Iron hydroxide oxide)	1310-14-1	001310-14-1	88.85374	S							PAC 27 Listing Table 1
1440	1439	Gold	7440-57-5	007440-57-5	196.97	S	1.065E+03		2.700E+03	1.000E+00	1.869E+03		PAC 27 Listing Table 1
1441	1440	Graphite; (Mineral carbon)	7782-42-5	007782-42-5	12.01	S	3652-3657		subl	1.000E+00	3.586E+03		PAC 27 Listing Table 1
1442	1441	Grease; (Animal grease, inedible)	68153-81-1	0068153-81-1		S							PAC 27 Listing Table 1
1443	1442	Guanidine, N-methyl-N'-nitro-N-nitroso-	70-25-7	000070-25-7	147.12	S	1.180E+02						PAC 27 Listing Table 1
1444	1443	Guanidinehydrochloride	50-01-1	000050-01-1	95.53	S	1.830E+02						PAC 27 Listing Table 1
1445	1444	Hafnium	7440-58-6	007440-58-6	178.49	S	2.233E+03		4.603E+03	7.5x10-3	2.416E+03		PAC 27 Listing Table 1
1446	1445	Hafnium oxide	12055-23-1	012055-23-1	210.49	S	2.812E+03		5.400E+03				PAC 27 Listing Table 1
1447	1446	Halon 1211; (Bromochlorodifluoromethane)	353-59-3	000353-59-3	165.37	G	-1.605E+02		-4.000E+00	>760	2.000E+01		PAC 27 Listing Table 1
1448	1447	Hansa yellow	13515-40-7	013515-40-7	390.61	S							PAC 27 Listing Table 1
1449	1448	Helium	7440-59-7	007440-59-7	4	G	-2.722E+02		-2.689E+02				PAC 27 Listing Table 1
1450	1449	Hematoxylin	517-28-2	000517-28-2	302.3	S	100-120						PAC 27 Listing Table 1
1451	1450	Heptachlor	76-44-8	000076-44-8	373.32	S	9.550E+01		145 @ 1.5mmHg	4.0x10-4	2.500E+01		PAC 27 Listing Table 1
1452	1451	Heptachlor epoxide; (Epoxyheptachlor)	1024-57-3	001024-57-3	389.32	S	1.600E+02						PAC 27 Listing Table 1
1453	1452	Heptachlorodibenzofuran, 1,2,3,4,6,7,8-; (HeptaCDF, 1,2,3,4,6,7,8-)	67562-39-4	067562-39-4	409.28	S							PAC 27 Listing Table 1
1454	1453	Heptachlorodibenzofuran, 1,2,3,4,7,8,9-; (HeptaCDF, 1,2,3,4,7,8,9-)	55673-89-7	055673-89-7	409.28	S							PAC 27 Listing Table 1
1455	1454	Heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-; (HeptaCDD, 1,2,3,4,6,7,8-)	35822-46-9	035822-46-9	425.28	S							PAC 27 Listing Table 1
1456	1455	Heptadecane	629-78-7	000629-78-7	240.53	L				2.280E-04	2.500E+01	2.280E-04	DAUBERT,TE & DANNER,RP (1989)
1457	1456	Heptafluorobutyric acid	375-22-4	000375-22-4	214.05	L	-1.990E+01	7.600E+02	1.208E+02	6.370E+00	2.500E+01	6.370E+00	STEELE,WV ET AL. (2002A)
1458	1457	Heptafluorotetrahydro-5-(nonafluorobutyl)furan, 2,2,3,3,4,4,5-; (Perfluoro-2-butyltetrahydrofuran; Fluorinert FC-75)	335-36-4	000335-36-4	416.059	S			31-173				PAC 27 Listing Table 1
1459	1458	Heptane	142-82-5	000142-82-5	100.23	L	-9.161E+01	7.600E+02	9.852E+01	4.600E+01	2.500E+01	4.600E+01	DAUBERT,TE & DANNER,RP (1989)
1460	1459	Heptanoic acid	111-14-8	000111-14-8	130.21	L	-7.500E+00	7.600E+02	2.222E+02	5.600E-03	2.500E+01	5.600E-03	PAC 27 Listing Table 1
1461	1460	Heptanol, 1-; (Heptyl alcohol)	111-70-6	000111-70-6	116.23	L	-3.460E+01	7.600E+02	1.758E+02	2.163E-01	2.500E+01	2.163E-01	PAC 27 Listing Table 1
1462	1461	Heptene, 1-	592-76-7	000592-76-7	98.21	L	-1.000E+01	7.600E+02	9.360E+01	5.930E+01	2.500E+01	5.930E+01	PAC 27 Listing Table 1
1463	1462	Hexacarbonylchromium; (Chromium hexacarbonyl)	13007-92-6	013007-92-6	220.06	S	152-155						PAC 27 Listing Table 1
1464	1463	Hexachloroacetone	116-16-5	000116-16-5	264.73	L	-2.000E+00	7.600E+02	2.022E+02	3.760E-01	2.000E+01	5.246E-01	Estimated using data from PAC 27 Listing Table 1
1465	1464	Hexachlorobenzene	118-74-1	000118-74-1	284.78	S	2.288E+02		3.250E+02	4.9x10-5	2.500E+01		PAC 27 Listing Table 1
1466	1465	Hexachlorobutadiene	87-68-3	000087-68-3	260.76	L	-2.100E+01	7.600E+02	2.150E+02	2.200E-01	2.500E+01	2.200E-01	DAUBERT,TE & DANNER,RP (1989)
1467	1466	Hexachlorocyclohexane, alpha-; (Benzene hexachloride-alpha-isomer)	319-84-6	000319-84-6	290.83	S	1.580E+02		2.880E+02	4.5x10-5	2.500E+01		PAC 27 Listing Table 1
1468	1467	Hexachlorocyclohexane, beta-1,2,3,4,5,6-; (Benzene hexachloride, trans-alpha-)	319-85-7	000319-85-7	290.82	S	2.970E+02						PAC 27 Listing Table 1
1469	1468	Hexachlorocyclopentadiene	77-47-4	000077-47-4	272.77	L	-9.000E+00	7.600E+02	2.390E+02	6.000E-02	2.500E+01	6.000E-02	PAC 27 Listing Table 1
1470	1469	Hexachlorodibenzodioxin, 1,2,3,4,7,8-; (HexaCDD, 1,2,3,4,7,8-)	39227-28-6	039227-28-6	390.84	S	2.390E+02						PAC 27 Listing Table 1
1471	1470	Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	070648-26-9	374.84	S							PAC 27 Listing Table 1
1472	1471	Hexachlorodibenzofuran, 1,2,3,6,7,8-	57117-44-9	057117-44-9	374.84	S							PAC 27 Listing Table 1
1473	1472	Hexachlorodibenzofuran, 1,2,3,7,8,9-; (HexaCDF, 1,2,3,7,8,9-)	72918-21-9	072918-21-9	374.84	S							PAC 27 Listing Table 1
1474	1473	Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851-34-5	060851-34-5	374.84	S							PAC 27 Listing Table 1
1475	1474	Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-	57653-85-7	057653-85-7	390.86	S	2.850E+02			3.6x10-11	2.500E+01		PAC 27 Listing Table 1
1476	1475	Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-; (HexaCDD, 1,2,3,7,8,9-)	19408-74-3	019408-74-3	390.84	S							PAC 27 Listing Table 1
1477	1476	Hexachloroethane	67-72-1	000067-72-1	236.74	S	186.8 triple point		184.7 subl	7.500E-01	3.360E+01		PAC 27 Listing Table 1

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	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1478	1477	Hexachloronaphthalene	1335-87-1	001335-87-1	334.74	S	1.372E+02		343.3 - 387.8	3.3x10-6	2.500E+01		PAC 27 Listing Table 1
1479	1478	Hexachlorophene	70-30-4	000070-30-4	406.9	S	1.665E+02						PAC 27 Listing Table 1
1480	1479	Hexachloropropene	1888-71-7	001888-71-7	248.73	L	-7.290E+01	7.600E+02	2.090E+02	2.440E-01	2.500E+01	2.440E-01	PAC 27 Listing Table 1
1481	1480	Hexadecanamine, 1-	143-27-1	000143-27-1	241.52	S	46.2		3.225E+02				PAC 27 Listing Table 1
1482	1481	Hexadecane	544-76-3	000544-76-3	226.5	L	1.814E+01	7.600E+02	2.865E+02	1.430E-03	2.500E+01	1.430E-03	DAUBERT,TE & DANNER,RP (1989)
1483	1482	Hexadecanoic acid; (Palmitic acid)	57-10-3	000057-10-3	256.48	S	63-64		271.5@100				PAC 27 Listing Table 1
1484	1483	Hexadecanol, 1-	36653-82-4	036653-82-4	242.5	S	5.000E+01		178-182				PAC 27 Listing Table 1
1485	1484	Hexadecene, 1-	629-73-2	000629-73-2	224.48	L	4.100E+00	7.600E+02	2.844E+02	2.640E-03	2.500E+01	2.640E-03	DAUBERT,TE & DANNER,RP (1989)
1486	1485	Hexadecylpyridinium chloride, 1-; (Cepacol chloride)	123-03-5	000123-03-5	340.05	S	80						PAC 27 Listing Table 1
1487	1486	Hexadecyltrimethylammonium chloride	112-02-7	000112-02-7	320.07	S							PAC 27 Listing Table 1
1488	1487	Hexafluoro-2-propanol, 1,1,1,3,3,3-	920-66-1	000920-66-1	168.05	L	-2.000E+00	7.600E+02	5.900E+01	1.591E+02	2.500E+01	1.591E+02	BOUBLIK,T ET AL. (1984)
1489	1488	Hexafluoroacetone	684-16-2	000684-16-2	166.02	G	-1.255E+02		-2.740E+01	7.500E+02	-2.760E+01		PAC 27 Listing Table 1
1490	1489	Hexafluorobenzene	392-56-3	000392-56-3	186.06	L	3.000E+00	7.600E+02	8.100E+01	8.450E+01	2.500E+01	8.450E+01	DAUBERT,TE & DANNER,RP (1989)
1491	1490	Hexafluorobutyne-2; (1,1,1,4,4,4-Hexafluoro-2-butyne)	692-50-2	000692-50-2	162.04	G	-1.174E+02		-2.460E+01				PAC 27 Listing Table 1
1492	1491	Hexafluoroethane; (Freon 116; Perfluoroethane)	76-16-4	000076-16-4	138.02	G			-7.820E+01				PAC 27 Listing Table 1
1493	1492	Hexafluoropropylene; (Hexafluoropropene)	116-15-4	000116-15-4	150.02	G	-1.565E+02		-2.960E+01	7.500E+02	-3.060E+01		PAC 27 Listing Table 1
1494	1493	Hexafluoropropylene-vinylidene fluoride polymer; (Viton)	9011-17-0	009011-17-0		S							PAC 27 Listing Table 1
1495	1494	Hexamethylcyclotrisiloxane	541-05-9	000541-05-9	222.46	S	6.450E+01		1.340E+02				PAC 27 Listing Table 1
1496	1495	Hexamethyldisilazane	999-97-3	000999-97-3	161.44	L		7.600E+02	1.250E+02	1.379E+01	2.500E+01	1.379E+01	YAWS,CL (1994A)
1497	1496	Hexamethyldisiloxane	107-46-0	000107-46-0	162.42	L	-5.900E+01	7.600E+02	1.010E+02	4.210E+01	2.500E+01	4.210E+01	FLANINGAM,OL (1986)
1498	1497	Hexamethylene diisocyanate polymer	28182-81-2	028182-81-2		S							PAC 27 Listing Table 1
1499	1498	Hexamethylene diisocyanate; (1,6-Diisocyanatohexane)	822-06-0	000822-06-0	168.19	L	-6.700E+01	1.000E+01	1.220E+02	5.000E-01	2.500E+01	5.000E-01	PAC 27 Listing Table 1
1500	1499	Hexamethyleneimine	111-49-9	000111-49-9	99.2	L	-3.700E+01	7.600E+02	1.380E+02	8.090E+00	2.500E+01	8.090E+00	PAC 27 Listing Table 1
1501	1500	Hexamethylenetetraamine hydrochloride	58713-21-6	058713-21-6		L		7.600E+02	4.068E+02	1.850E-07	2.500E+01	1.850E-07	EPI Suite Modified Grain Method
1502	1501	Hexamethylenetetraamine; (Methenamine)	100-97-0	000100-97-0	140.19	S	>250		subl	4.0x10-3	2.500E+01		PAC 27 Listing Table 1
1503	1502	Hexamethylphosphoramide	680-31-9	000680-31-9	179.2	L	7.200E+00	7.600E+02	2.325E+02	3.000E-02	2.500E+01	3.000E-02	PAC 27 Listing Table 1
1504	1503	Hexamethyltetracosane, 2,6,10,15,19,23;-; (Squalane)	111-01-3	000111-01-3	422.92	L	-3.800E+01	7.600E+02	3.500E+02	2.750E-04	2.500E+01	2.750E-04	EPI Suite Modified Grain Method
1505	1504	Hexanal	66-25-1	000066-25-1	100.18	L	-5.630E+01	7.600E+02	1.310E+02	1.130E+01	2.500E+01	1.130E+01	PAC 27 Listing Table 1
1506	1505	Hexane	110-54-3	000110-54-3	86.18	L	-9.535E+01	7.600E+02	6.873E+01	1.513E+02	2.500E+01	1.513E+02	BOUBLIK,T ET AL. (1984)
1507	1506	Hexanediol diacrylate, 1,6-	13048-33-4	013048-33-4	226.3	L				1.700E-02	2.500E+01	1.700E-02	PAC 27 Listing Table 1
1508	1507	Hexanediol, 1,6;-; (Hexamethylene glycol)	629-11-8	000629-11-8	118.2	S	42		2.500E+02	0.0005 (est)	2.500E+01		PAC 27 Listing Table 1
1509	1508	Hexanehexol, 1,2,3,4,5,6;-; (Mannitol)	69-65-8	000069-65-8	182.2	S	1.670E+02		290-295				PAC 27 Listing Table 1
1510	1509	Hexanenitrile	628-73-9	000628-73-9	97.18	L		7.600E+02	1.636E+02	2.850E+00	2.500E+01	2.850E+00	DAUBERT,TE & DANNER,RP (1989)
1511	1510	Hexanethiol, 1;-; (N-Hexylmercaptan)	111-31-9	000111-31-9	118.26	L	-8.056E+01	7.600E+02	1.511E+02	4.202E+00	2.500E+01	4.202E+00	OHE,S (1976)
1512	1511	Hexanitrostilbene	20062-22-0	020062-22-0	450.23	S							PAC 27 Listing Table 1
1513	1512	Hexanoic acid	142-62-1	000142-62-1	116.18	L	-1.500E+00	7.600E+02	2.050E+02	4.350E-02	2.500E+01	4.350E-02	DAUBERT,TE & DANNER,RP (1989)
1514	1513	Hexanol, 2;-; (2-Hydroxyhexane)	626-93-7	000626-93-7	102.2	L		7.600E+02	1.390E+02	2.488E+00	2.500E+01	2.488E+00	YAWS,CL (1994A)
1515	1514	Hexanol, n;-; (n-Hexyl alcohol)	111-27-3	000111-27-3	102.2	L	-4.670E+01	7.600E+02	1.572E+02	9.280E-01	2.500E+01	9.280E-01	DAUBERT,TE & DANNER,RP (1989)
1516	1515	Hexanone, 2;-; (Methyl n-butyl ketone)	591-78-6	000591-78-6	100.18	L	-5.690E+01	7.600E+02	1.272E+02	1.160E+01	2.500E+01	1.160E+01	AMBROSE,D ET AL. (1975)
1517	1516	Hexanone, 3;-; (Ethyl propyl ketone)	589-38-8	000589-38-8	100.18	L		7.600E+02	1.240E+02	1.394E+01	2.500E+01	1.394E+01	YAWS,CL (1994A)
1518	1517	Hexanoyl chloride	142-61-0	000142-61-0	134.603	L	-8.700E+01	7.600E+02	1.230E+02	4.490E+00	2.500E+01	4.490E+00	EPI Suite Mean VP Antoine & Grain Methods
1519	1518	Hexaphenylcyclotrisiloxane	512-63-0	000512-63-0	594.8892	S	184-188		3.000E+02				PAC 27 Listing Table 1
1520	1519	Hexene, 1-	592-41-6	000592-41-6	84.158	L	-1.399E+02	7.600E+02	6.450E+01	1.840E+02	2.500E+01	1.840E+02	DAUBERT,TE & DANNER,RP (1989)
1521	1520	Hexylene glycol	107-41-5	000107-41-5	118.2	L	-5.000E+01	7.600E+02	1.971E+02	1.300E-02	2.500E+01	1.300E-02	DAUBERT,TE & DANNER,RP (1989)
1522	1521	Hexyltrichlorosilane	928-65-4	000928-65-4	219.63	L		7.600E+02	1.900E+02	5.920E-01	2.500E+01	5.920E-01	EPI Suite Mean VP Antoine & Grain Methods
1523	1522	Holmium	7440-60-0	007440-60-0	164.93	S			2.720E+03	2.000E+00		1.630E+03	PAC 27 Listing Table 1
1524	1523	Holmium trioxide	12055-62-8	012055-62-8	377.859	S	2.415E+03						PAC 27 Listing Table 1
1525	1524	Humic acid, sodium salt	68131-04-4	068131-04-4		S	>300						PAC 27 Listing Table 1
1526	1525	Hydrazine	302-01-2	000302-01-2	32.05	L	1.540E+00	7.600E+02	1.136E+02	1.440E+01	2.500E+01	1.440E+01	PAC 27 Listing Table 1
1527	1526	Hydrazine hydrate; (Hydrazine monohydrate; aqueous solutions - 10217-52-4)	7803-57-8	007803-57-8	50.08	L	-5.170E+01	7.600E+02	1.190E+02	2.070E+01	2.500E+01	2.070E+01	ACD Labs Physical Chemistry Suite
1528	1527	Hydrazine hydrochloride; (Hydrazine monochloride)	2644-70-4	002644-70-4	68.52	S	1.980E+02		200 dec				PAC 27 Listing Table 1
1529	1528	Hydrazine nitrate; (Hydrazinium nitrate)	13464-97-6	013464-97-6	95.06	S	7.000E+01						PAC 27 Listing Table 1
1530	1529	Hydrazine sulfate	10034-93-2	010034-93-2	130.14	S	254 decom						PAC 27 Listing Table 1
1531	1530	Hydrazine, dihydrochloride	5341-61-7	005341-61-7	104.98	S	197 dec						PAC 27 Listing Table 1
1532	1531	Hydriodic acid; (Hydrogen iodide)	10034-85-2	010034-85-2	127.91	G	-5.080E+01		-3.538E+01	5.940E+03	2.500E+01		PAC 27 Listing Table 1
1533	1532	Hydrobromic acid; (Hydrogen bromide)	10035-10-6	010035-10-6	80.92	G	-8.700E+01		-6.650E+01	7.600E+02	-6.650E+01		PAC 27 Listing Table 1
1534	1533	Hydrogen	1333-74-0	001333-74-0	2.02	G	-2.592E+02		-2.528E+02	1.240E+06	2.500E+01		PAC 27 Listing Table 1
1535	1534	Hydrogen chloride; (Hydrochloric acid)	7647-01-0	007647-01-0	36.46	G	-1.142E+02		-8.500E+01	7.500E+02	-8.520E+01		PAC 27 Listing Table 1
1536	1535	Hydrogen cyanide; (Hydrocyanic acid)	74-90-8	000074-90-8	27.03	G	-1.329E+01		2.600E+01	7.500E+02	2.540E+01		PAC 27 Listing Table 1
1537	1536	Hydrogen fluoride; (Hydrofluoric acid)	7664-39-3	007664-39-3	20.01	G	-8.336E+01		2.000E+01	7.500E+02	1.920E+01		PAC 27 Listing Table 1
1538	1537	Hydrogen peroxide	7722-84-1	007722-84-1	34.02	L	-4.300E-01	7.600E+02	1.502E+02	1.970E+00	2.500E+01	1.970E+00	DAUBERT,TE & DANNER,RP (1989)
1539	1538	Hydrogen peroxide - 30%	7722-84-1a	007722-84-1a	34.02	L	-1.100E+01	7.600E+02	1.502E+02	1.970E+00	2.500E+01	1.970E+00	EPI Suite Experimental Data
1540	1539	Hydrogen potassium phthalate; (Phthalic acid, monopotassium salt; Potassium acid phthalate; Potassium biphthalate)	877-24-7	000877-24-7	204.23	S	dec						PAC 27 Listing Table 1
1541	1540	Hydrogen selenide	7783-07-5	007783-07-5	80.98	G	-6.400E+01		-4.140E+01	7.600E+03	2.340E+01		PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1542	1541	Hydrogen sulfide	7783-06-4	007783-06-4	34.08	G	-8.550E+01		-5.955E+01	7.500E+02	-6.050E+01		PAC 27 Listing Table 1
1543	1542	Hydrogenated terphenyl	61788-32-7	061788-32-7	298	L		7.600E+02	3.400E+02	7.300E-05	2.500E+01	7.300E-05	EPI Suite Modified Grain Method
1544	1543	Hydroquinone	123-31-9	000123-31-9	110.12	S	1.720E+02		2.850E+02	1.000E+00	1.324E+02		PAC 27 Listing Table 1
1545	1544	Hydrotreated (mild & severe) heavy paraffinic distillates	64742-54-7	064742-54-7		L		7.600E+02	2.800E+02	1.000E+00	2.500E+01	1.000E+00	MSDS Data, Shell 08.02.2011
1546	1545	Hydrotreated middle distillate (Petroleum base oil)	64742-46-7	064742-46-7	212.42	L	9.900E+00	7.600E+02	2.050E+02	3.430E-03	2.500E+01	3.430E-03	EPI Suite Experimental Data
1547	1546	Hydroxy-2-methylpropanoic acid, 2-; (2-Methylactic acid)	594-61-6	000594-61-6	104.11	S	8.250E+01		2.120E+02				PAC 27 Listing Table 1
1548	1547	Hydroxy-4'-hydroxyethoxy-2-methylpropiofenone, 2-	106797-53-9	106797-53-9	224.28	S							PAC 27 Listing Table 1
1549	1548	Hydroxy-4-methyl-2-pentanone, 4-; (Diacetone alcohol)	123-42-2	000123-42-2	116.18	L	-4.700E+01	7.600E+02	1.640E+02	1.710E+00	2.500E+01	1.710E+00	DAUBERT, TE & DANNER, RP (1989)
1550	1549	Hydroxyapatite; (Calcium hydroxyapatite)	1306-06-5	001306-06-5	502.31	S							PAC 27 Listing Table 1
1551	1550	Hydroxybenzenesulfonic acid, 4-; (4-Hydroxyphenylsulfonic acid)	98-67-9	000098-67-9	174.18	S							PAC 27 Listing Table 1
1552	1551	Hydroxybenzoic acid, 4-; (p-Salicylic acid)	99-96-7	000099-96-7	138.1226	S	2.145E+02			1.900E-07	2.500E+01		PAC 27 Listing Table 1
1553	1552	Hydroxybenzotriazole, 1-; (1-Hydroxybenzotriazole hydrate)	2592-95-2	002592-95-2	135.14	S	157-158						PAC 27 Listing Table 1
1554	1553	Hydroxyethyl acrylate, 2-; (Acrylic acid, 2-hydroxyethyl ester)	818-61-1	000818-61-1	116.13	L		7.600E+02	2.200E+02	5.230E-02	2.500E+01	5.230E-02	PAC 27 Listing Table 1
1555	1554	Hydroxyethyl methacrylate, 2-	868-77-9	000868-77-9	130.14	L	-1.200E+01	7.600E+02	6.700E+01	1.260E-01	2.500E+01	1.260E-01	PAC 27 Listing Table 1
1556	1555	Hydroxyethyl)-1-piperazineethanesulfonic acid, 4-(2-	7365-45-9	007365-45-9	238.24	S							PAC 27 Listing Table 1
1557	1556	Hydroxyethylenediaminetriacetic acid, N-	150-39-0	000150-39-0	278.3	S	160-5 dec						PAC 27 Listing Table 1
1558	1557	Hydroxyethylidene-1,1-diphosphonic acid, 1-; (Hydroxyethylidene bisphosphonic acid, 1-)	2809-21-4	002809-21-4	206.03	S	1.050E+02						PAC 27 Listing Table 1
1559	1558	Hydroxylamine	7803-49-8	007803-49-8	33.04	L	3.400E+01	7.600E+02	1.100E+02	1.000E+01	4.720E+01	1.398E+00	Estimated using data from PAC 27 Listing Table 1
1560	1559	Hydroxylamine chloride; (Hydroxylamine hydrochloride)	5470-11-1	005470-11-1	69.5	S	1.590E+02		dec				PAC 27 Listing Table 1
1561	1560	Hydroxylamine nitrate	13465-08-2	013465-08-2	96.04	L		7.600E+02	1.000E+02	1.000E-05	2.500E+01	1.000E-05	MSDS Data, negligible Aqueous solution of material having negligible vapor pressure at 25°C. VP of 1E-5 assigned for calculation purposes
1562	1561	Hydroxylamine sulfate; (Oxammonium sulfate)	10039-54-0	010039-54-0	164.16	S	1.770E+02						PAC 27 Listing Table 1
1563	1562	Hydroxymethanesulfonic acid, monosodium salt; (Formaldehyde hydrosulfite)	149-44-0	000149-44-0	119.1	S	63						PAC 27 Listing Table 1
1564	1563	Hydroxy-N-phenylbenzamide, N-; (Phenylbenzohydroxamic acid, N-)	304-88-1	000304-88-1	213.2354	S	118-120						PAC 27 Listing Table 1
1565	1564	Hydroxyphenyl)benzothiazole, 2-(2-	3411-95-8	003411-95-8	227.28	S	131-133						PAC 27 Listing Table 1
1566	1565	Hydroxyphenylacetic acid, alpha-	90-64-2	000090-64-2	152.16	S	117-119		dec				PAC 27 Listing Table 1
1567	1566	Hydroxypropyl cellulose	9004-64-2	009004-64-2	806.9296	S							PAC 27 Listing Table 1
1568	1567	Hydroxyquinoline sulfate, 8-	134-31-6	000134-31-6	388.42	S	177.5		2.670E+02	1.660E-03	2.500E+01		PAC 27 Listing Table 1
1569	1568	Hypophosphorous acid-d3; (Hydrophosphorus acid-d3 solution, 50 wt.% in D2O)	57583-56-9	057583-56-9	69.01	L		7.600E+02	4.800E+02	2.060E-08	2.500E+01	2.060E-08	EPI Suite Modified Grain Method
1570	1569	Hypophosphorus acid; (Phosphonic acid)	6303-21-5	006303-21-5	66	S	2.650E+01						PAC 27 Listing Table 1
1571	1570	Imidazole	288-32-4	000288-32-4	68.09	S	90-91		2.570E+02				PAC 27 Listing Table 1
1572	1571	Imidazole hydrochloride	1467-16-9	001467-16-9	104.54	S	158-161						PAC 27 Listing Table 1
1573	1572	Iminodiacetic acid	142-73-4	000142-73-4	133.12	S	220-250		247.5 dec				PAC 27 Listing Table 1
1574	1573	Iminodiacetic acid, disodium salt hydrate	17593-73-6	017593-73-6	195.08254	S	180						
1575	1574	Indan	496-11-7	000496-11-7	118.19	L	-5.140E+01	7.600E+02	1.765E+02	1.467E+00	2.500E+01	1.467E+00	BOUBLIK, T ET AL. (1984)
1576	1575	Indene	95-13-6	000095-13-6	116.16	L	-1.500E+00	7.600E+02	1.820E+02	1.100E+00	2.500E+01	1.100E+00	DAUBERT, TE & DANNER, RP (1989)
1577	1576	Indeno(1,2,3-cd)pyrene	193-39-5	000193-39-5	276.34	S	161-163.5						PAC 27 Listing Table 1
1578	1577	Indigo carmine; (FD&C blue No 2)	860-22-0	000860-22-0	466.36	S							PAC 27 Listing Table 1
1579	1578	Indium	7440-74-6	007440-74-6	114.82	S	1.566E+02		2.080E+03				PAC 27 Listing Table 1
1580	1579	Indium oxide (vapor)	1312-43-2b	001312-43-2b	245.6394	G							PAC 27 Listing Table 1
1581	1580	Indium sulfate	13464-82-9	013464-82-9	517.82	S							PAC 27 Listing Table 1
1582	1581	Indium trichloride	10025-82-8	010025-82-8	221.17	S	586 subl		6.000E+02				PAC 27 Listing Table 1
1583	1582	Indium(III) oxide	1312-43-2a	001312-43-2a	277.64	S	1.913E+03						PAC 27 Listing Table 1
1584	1583	Indole-3-carboxaldehyde, 1H-; (3-Formylindole)	487-89-8	000487-89-8	145.17	S							PAC 27 Listing Table 1
1585	1584	Iodic acid	7782-68-5	007782-68-5	175.91	S	110 dec						PAC 27 Listing Table 1
1586	1585	Iodine	7553-56-2	007553-56-2	253.81	S	1.137E+02		1.844E+02	7.500E-01	3.590E+01		PAC 27 Listing Table 1
1587	1586	Iodine 125	17144-19-3	017144-19-3	250	S	sublimes						PAC 27 Listing Table 1
1588	1587	Iodobenzene	591-50-4	000591-50-4	204.01	L	-2.900E+01	7.600E+02	1.880E+02	1.060E+00	2.500E+01	1.060E+00	DAUBERT, TE & DANNER, RP (1989)
1589	1588	Iodoethane; (Ethyl iodide)	75-03-6	000075-03-6	155.97	L	-1.080E+02	7.600E+02	7.240E+01	1.358E+02	2.500E+01	1.358E+02	DAUBERT, TE & DANNER, RP (1989)
1590	1589	Iodoheptafluoropropane, 1-; (Heptafluoropropyl iodide)	754-34-7	000754-34-7	295.93	L	-9.500E+01	7.600E+02	4.100E+01	4.240E+02	2.500E+01	4.240E+02	EPI Suite Mean VP Antoine & Grain Methods
1591	1590	Iodopentane, 1-	628-17-1	000628-17-1	198.06	L	8.560E+01	7.600E+02	1.570E+02	4.390E+00	2.500E+01	4.390E+00	IJ, JCM & ROSSINI, FD (1953)
1592	1591	Iotalamic acid	2276-90-6	002276-90-6	613.92	S	285 dec.						PAC 27 Listing Table 1
1593	1592	Iridium	7439-88-5	007439-88-5	192.2	S	2446		4.428E+03				PAC 27 Listing Table 1
1594	1593	Iron	7439-89-6	007439-89-6	55.85	S	1.538E+03		2.861E+03	7.5x10-3	1.455E+03		PAC 27 Listing Table 1
1595	1594	Iron carbide	12011-67-5	012011-67-5	179.55	S							PAC 27 Listing Table 1
1596	1595	Iron hydroxide oxide	20344-49-4	020344-49-4	88.85	S							PAC 27 Listing Table 1
1597	1596	Iron oxide; (Ferric oxide)	1309-37-1	001309-37-1	159.69	S	1.539E+03						PAC 27 Listing Table 1
1598	1597	Iron pentacarbonyl	13463-40-6	013463-40-6	195.9	L	-2.500E+01	7.600E+02	1.030E+02	4.000E+01	3.030E+01	3.051E+01	Estimated using data from PAC 27 Listing Table 1
1599	1598	Iron sulfide	1317-37-9	001317-37-9	87.91	S	1.188E+03		dec				PAC 27 Listing Table 1
1600	1599	Iron(II) chloride tetrahydrate	13478-10-9	013478-10-9	198.83	S	105 dec						PAC 27 Listing Table 1
1601	1600	Iron(II) oxide; (Ferrous oxide)	1345-25-1	001345-25-1	73.85	S	1.377E+03						PAC 27 Listing Table 1
1602	1601	Iron(II) perchlorate hexahydrate	13520-69-9	013520-69-9	353.3378	S							PAC 27 Listing Table 1

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1													
1603	1602	Iron(II,III) oxide; (Ferrosferric oxide; Iron(III) oxide)	1317-61-9	001317-61-9	231.533	S	1.597E+03						PAC 27 Listing Table 1
1604	1603	Iron(III) perchlorate	13537-24-1	013537-24-1	354.1968	S							PAC 27 Listing Table 1
1605	1604	Iron(III) sulfate heptahydrate	35139-28-7	035139-28-7	278.05	S	64						PAC 27 Listing Table 1
1606	1605	Isoamyl acetate; (Isopentyl acetate)	123-92-2	000123-92-2	130.21	L	-7.850E+01	7.600E+02	1.425E+02	5.600E+00	2.500E+01	5.600E+00	PAC 27 Listing Table 1
1607	1606	Isoamyl alcohol (primary); (3-Methyl-1-butanol)	123-51-3	000123-51-3	88.15	L	-1.172E+02	7.600E+02	1.311E+02	2.370E+00	2.500E+01	2.370E+00	RIDDICK,JA ET AL. (1986)
1608	1607	Isoamyl alcohol (secondary); (3-Pentanol)	584-02-1	000584-02-1	88.15	L	-6.900E+01	7.600E+02	1.163E+02	8.770E+00	2.500E+01	8.770E+00	DAUBERT,TE & DANNER,RP (1989)
1609	1608	Isoamyl nitrite; (Isopentyl nitrite)	110-46-3	000110-46-3	117.15	L	-3.437E+01	7.600E+02	9.920E+01	3.880E+01	2.500E+01	3.880E+01	EPI Suite Mean VP Antoine & Grain Methods
1610	1609	Isobenzan	297-78-9	000297-78-9	411.73	S	120-122			1.000E-05	2.500E+01		PAC 27 Listing Table 1
1611	1610	Isobutanol-2-amine	124-68-5	000124-68-5	89.16	S	30-31		1.650E+02				PAC 27 Listing Table 1
1612	1611	Isobutyl acetate	110-19-0	000110-19-0	116.16	L	-9.880E+01	7.600E+02	1.165E+02	1.783E+01	2.500E+01	1.783E+01	YAWS,CL (1994)
1613	1612	Isobutyl alcohol	78-83-1	000078-83-1	74.12	L	-1.019E+02	7.600E+02	1.079E+02	1.045E+01	2.500E+01	1.045E+01	DAUBERT,TE & DANNER,RP (1985)
1614	1613	Isobutyl chloride; (1-Chloro-2-methylpropane)	513-36-0	000513-36-0	92.57	L	-1.303E+02	7.600E+02	6.880E+01	1.496E+02	2.500E+01	1.496E+02	PERRY,RH & GREEN,D (1984)
1615	1614	Isobutyl chloroformate	543-27-1	000543-27-1	136.5779	L		7.600E+02	1.287E+02	8.350E+00	2.500E+01	8.350E+00	DAMLE,SB (1993)
1616	1615	Isobutyl isobutyrate	97-85-8	000097-85-8	144.24	L	-8.100E+01	7.600E+02	1.475E+02	4.330E+00	2.500E+01	4.330E+00	DAUBERT,TE & DANNER,RP (1989)
1617	1616	Isobutylamine	78-81-9	000078-81-9	73.16	L	-8.550E+01	7.600E+02	6.860E+01	1.380E+02	2.500E+01	1.380E+02	PAC 27 Listing Table 1
1618	1617	Isobutyraldehyde	78-84-2	000078-84-2	72.12	L	-6.500E+01	7.600E+02	6.400E+01	1.730E+02	2.500E+01	1.730E+02	PAC 27 Listing Table 1
1619	1618	Isobutyric acid	79-31-2	000079-31-2	88.12	L	-4.700E+01	7.600E+02	1.180E+02	1.810E+00	2.500E+01	1.810E+00	DAUBERT,TE & DANNER,RP (1989)
1620	1619	Isobutyric anhydride; (2-Methylpropionic anhydride)	97-72-3	000097-72-3	158.22	L	-5.350E+01	7.340E+02	1.815E+02	8.340E-01	2.500E+01	8.340E-01	EPI Suite Mean VP of Antoine and Grain Methods
1621	1620	Isobutyronitrile	78-82-0	000078-82-0	69.11	L	-7.150E+01	7.600E+02	1.039E+02	3.270E+01	2.500E+01	3.270E+01	PAC 27 Listing Table 1
1622	1621	Isocyanate-bearing waste (as CNs N.O.S.)	z-0024	00000z-0024	26.02	S							PAC 27 Listing Table 1
1623	1622	Isocyanatoethyl methacrylate, 2-	30674-80-7	030674-80-7	155.15	L	1.027E+01	1.000E+01	8.900E+01	3.500E-01	2.500E+01	3.500E-01	EPI Suite Mean VP of Antoine and Grain Methods
1624	1623	Isocyanic acid	75-13-8	000075-13-8	43.02	G				9.960E+02	2.500E+01		PAC 27 Listing Table 1
1625	1624	Isocyanic acid, 3,4-dichlorophenyl ester; (3,4-Dichlorophenyl isocyanate)	102-36-3	000102-36-3	188.01	S	42-43		2.400E+02	2.000E-02	2.500E+01		PAC 27 Listing Table 1
1626	1625	Isodrin	465-73-6	000465-73-6	364.9	S	240-242			1.000E-05	2.500E+01		PAC 27 Listing Table 1
1627	1626	Isonate 181 MDI prepolymer	z-0113	00000z-0113	182	L		7.600E+02	2.000E+02	1.000E-05	2.500E+01	1.000E-05	VP from DOW product data sheet
1628	1627	Isooctane; (2,2,4-Trimethylpentane)	540-84-1	000540-84-1	114.26	L	-1.075E+02	7.600E+02	9.920E+01	4.930E+01	2.500E+01	4.930E+01	DAUBERT,TE & DANNER,RP (1991)
1629	1628	Isopentane; (Ethylidimethylmethane; 2-Methylbutane)	78-78-4	000078-78-4	72.17	S	-1.605E+02		3.020E+01	5.950E+02	2.110E+01		PAC 27 Listing Table 1
1630	1629	Isophorone	78-59-1	000078-59-1	138.21	L	-8.100E+00	7.600E+02	2.152E+02	4.380E-01	2.500E+01	4.380E-01	DAUBERT,TE & DANNER,RP (1989)
1631	1630	Isophorone diisocyanate	4098-71-9	004098-71-9	222.32	S	-6.000E+01		3.600E+02	1.000E-05	2.500E+01		PAC 27 Listing Table 1
1632	1631	Isophthalic acid; (Phthalic acid, m isomer)	121-91-5	000121-91-5	166.14	S	347.5		subl.	6.800E-02	1.000E+02		PAC 27 Listing Table 1
1633	1632	Isoprene	78-79-5	000078-79-5	68.13	L	-1.467E+02	7.600E+02	3.400E+01	5.500E+02	2.500E+01	5.500E+02	ZWOLINSKI,BJ & WILHOIT,RC (1971)
1634	1633	Isopropyl acetate	108-21-4	000108-21-4	102.15	L	-7.300E+01	7.600E+02	8.840E+01	6.037E+01	2.500E+01	6.037E+01	YAWS,CL (1994A)
1635	1634	Isopropyl alcohol	67-63-0	000067-63-0	60.1	L	-8.790E+01	7.600E+02	8.230E+01	4.542E+01	2.500E+01	4.542E+01	DAUBERT,TE & DANNER,RP (1985)
1636	1635	Isopropyl chloride; (2-Chloropropane)	75-29-6	000075-29-6	78.54	L	-1.170E+02	7.600E+02	3.480E+01	5.153E+02	2.500E+01	5.153E+02	PAC 27 Listing Table 1
1637	1636	Isopropyl chloroformate; (Isopropyl chlorocarbonate)	108-23-6	000108-23-6	122.56	L	-8.000E+01	7.600E+02	1.050E+02	3.700E+01	2.500E+01	3.700E+01	DAMLE,SB (1993)
1638	1637	Isopropyl ether; (Diisopropyl ether)	108-20-3	000108-20-3	102.2	L	-6.000E+01	7.600E+02	6.850E+01	1.500E+02	2.500E+01	1.500E+02	PAC 27 Listing Table 1
1639	1638	Isopropyl methanefluoro-phosphonate; (Sarin; GB)	107-44-8	000107-44-8	140.09	L	-5.700E+01	7.600E+02	1.470E+02	2.860E+00	2.500E+01	2.860E+00	PAC 27 Listing Table 1
1640	1639	Isopropyl nitrate	1712-64-7	001712-64-7	105.11	L		7.600E+02	1.020E+02	3.410E+01	2.500E+01	3.410E+01	BOUBLIK,T ET AL. (1984)
1641	1640	Isopropyl titanate(IV); (Titanium(IV) isopropoxide)	546-68-9	000546-68-9	284.22	L	2.000E+01	7.600E+02	2.200E+02	1.970E-01	2.500E+01	1.970E-01	EPI Suite Mean VP of Antoine and Grain Methods, MW corrected tfrom 72
1642	1641	Isopropylamine; (2-Propanamine)	75-31-0	000075-31-0	59.13	L	-1.012E+02	7.600E+02	3.300E+01	5.796E+02	2.500E+01	5.796E+02	PAC 27 Listing Table 1
1643	1642	Isopropylmagnesium chloride; (Chloro(1-methylethyl)magnesium)	1068-55-9	001068-55-9	102.8513	L	-4.182E+01	7.600E+02	1.108E+02	2.760E+01	2.500E+01	2.760E+01	EPI Suite Mean VP of Antoine and Grain Methods
1644	1643	Isopropylmethylpyrazolyl dimethylcarbamate; (Isolan)	119-38-0	000119-38-0	211.3	L		7.600E+02	2.950E+02	1.000E-03	2.500E+01	1.000E-03	PAC 27 Listing Table 1
1645	1644	Isopropyltoluene, 4-; (p-Cymene)	99-87-6	000099-87-6	134.24	L	-6.890E+01	7.600E+02	1.771E+02	1.500E+00	2.500E+01	1.500E+00	PAC 27 Listing Table 1
1646	1645	Jeffamine M-600	77110-54-4	077110-54-4	600	S	-40						PAC 27 Listing Table 1
1647	1646	Jet fuels, (JP-5 and JP-8)	70892-10-3	070892-10-3		L	-4.700E+01	7.600E+02	2.375E+02	1.800E+00	2.800E+01	1.552E+00	VP estimated from data derived from Toxicological Assessment of Jet Propulsion Fuel 8 (2003), Board on Environmental Studies and Toxicology, The National Academies Press
1648	1647	Kaolin; (Aluminum silicate hydroxide; Fuller's earth [8031-18-3])	1332-58-7	001332-58-7		S	1.760E+03						PAC 27 Listing Table 1
1649	1648	Kepone; (Chlordecone)	143-50-0	000143-50-0	490.64	S	350 dec			2.25x10-7	2.500E+01		PAC 27 Listing Table 1
1650	1649	Kerosene; (Fuel Oil No 1)	8008-20-6	008008-20-6	170	L	-4.600E+01	7.600E+02	1.750E+02	4.800E-01	2.000E+01	6.861E-01	Estimated using data from PAC 27 Listing Table 1
1651	1650	Ketene; (Carbomethene, Ethenone)	463-51-4	000463-51-4	42.04	G	-1.510E+02		-4.980E+01	7.500E+02	-5.000E+01		PAC 27 Listing Table 1
1652	1651	Krypton	7439-90-9	007439-90-9	83.8	G	-1.571E+02		-1.529E+02				PAC 27 Listing Table 1
1653	1652	Lactic acid	50-21-5	000050-21-5	90.09	L	1.680E+01	1.500E+01	1.220E+02	8.130E-02	2.500E+01	8.130E-02	DAUBERT,TE & DANNER,RP (1989)
1654	1653	Lactic acid, sodium salt, DL-; (Propanoic acid, 2-hydroxy-, monosodium salt)	312-85-6	000312-85-6	113.06837	S							PAC 27 Listing Table 1
1655	1654	Lactonitrile	78-97-7	000078-97-7	71.09	L	-4.000E+01	7.600E+02	2.210E+02	1.190E-01	2.500E+01	1.190E-01	PAC 27 Listing Table 1
1656	1655	Lactose, beta-D-; (beta-D-Glucopyranose, 4-O-beta-D-galactopyranosyl-)	5965-66-2	005965-66-2	342.3	S	2.540E+02						PAC 27 Listing Table 1
1657	1656	Lanthanum	7439-91-0	007439-91-0	138.91	S	9.200E+02		3.464E+03				PAC 27 Listing Table 1
1658	1657	Lanthanum alizarin	z-0026	00000z-0026		S							PAC 27 Listing Table 1
1659	1658	Lanthanum boride	12008-21-8	012008-21-8	203.7655	S	2.715E+03						PAC 27 Listing Table 1
1660	1659	Lanthanum carbonate	6487-39-4	006487-39-4	601.96	S							PAC 27 Listing Table 1
1661	1660	Lanthanum chloride	10099-58-8	010099-58-8	245.26	S	860		1.000E+03				PAC 27 Listing Table 1
1662	1661	Lanthanum fluoride	13709-38-1	013709-38-1	195.9	S							PAC 27 Listing Table 1
1663	1662	Lanthanum hydroxide	14507-19-8	014507-19-8	189.92752	S	dec						PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1664	1663	Lanthanum nitrate	10099-59-9	010099-59-9	324.94	S	~40		~126				PAC 27 Listing Table 1
1665	1664	Lanthanum oxide	1312-81-8	001312-81-8	325.82	S	2.315E+03		4.200E+03				PAC 27 Listing Table 1
1666	1665	Lanthanum phosphate	14913-14-5	014913-14-5	233.876	S							PAC 27 Listing Table 1
1667	1666	Lanthanum(III) nitrate hexahydrate	10277-43-7	010277-43-7	433.06	S	~40		126 dec				PAC 27 Listing Table 1
1668	1667	Laromin C 260; (bis(4-Amino-3-methylcyclohexyl) methane; Dimethyldicyane)	6864-37-5	006864-37-5	238.47	L		7.600E+02	9.300E+01	6.950E+00	2.500E+01	6.950E+00	EPI Suite Modified Grain Method
1669	1668	Lauryl sulfate; (Dodecyl sulfate)	151-41-7	000151-41-7	266.4	S							PAC 27 Listing Table 1
1670	1669	Lead	7439-92-1	007439-92-1	207.2	S	3.275E+02		1.749E+03	7.5x10-3	7.050E+02		PAC 27 Listing Table 1
1671	1670	Lead acetate(II), trihydrate; (Bis(acetato)trihydroxytrilead)	6080-56-4	006080-56-4	379.35	S	75 dec						PAC 27 Listing Table 1
1672	1671	Lead acetate, basic; (Lead subacetate)	1335-32-6	001335-32-6	807.7	S	dec		200 dec				PAC 27 Listing Table 1
1673	1672	Lead acetate; (Lead diacetate)	301-04-2	000301-04-2	325.29	S	7.500E+01		>200 decomp				PAC 27 Listing Table 1
1674	1673	Lead acid arsenate; (Dibasic lead arsenate)	7784-40-9	007784-40-9	347.1	S	280 dec						PAC 27 Listing Table 1
1675	1674	Lead arsenate; (Trilead diarsenate)	3687-31-8	003687-31-8	899.4	S	1042 dec						PAC 27 Listing Table 1
1676	1675	Lead bromide	10031-22-8	010031-22-8	367.01	S	3.730E+02		9.160E+02				PAC 27 Listing Table 1
1677	1676	Lead carbonate	598-63-0	000598-63-0	267.21	S	3.150E+02		400 dec				PAC 27 Listing Table 1
1678	1677	Lead chloride	7758-95-4	007758-95-4	278.09	S	5.010E+02		9.500E+02	1.000E+00	5.470E+02		PAC 27 Listing Table 1
1679	1678	Lead chromate	7758-97-6	007758-97-6	323.2	S	8.440E+02		dec				PAC 27 Listing Table 1
1680	1679	Lead dioxide	1309-60-0	001309-60-0	239.2	S	290 dec						PAC 27 Listing Table 1
1681	1680	Lead fluoborate	13814-96-5	013814-96-5	380.81	L				1.000E-05	2.500E+01	1.000E-05	MSDS data (Sciencelab); Aqueous solution of material having negligible vapor pressure at 25°C. VP of 1E-5 assigned for calculation purposes
1682	1681	Lead fluoride	7783-46-2	007783-46-2	245.2	S	8.550E+02		1.290E+03	1.000E+01	9.040E+02		PAC 27 Listing Table 1
1683	1682	Lead hydroxide	19783-14-3	019783-14-3	241.21	S							PAC 27 Listing Table 1
1684	1683	Lead iodide	10101-63-0	010101-63-0	461.01	S	4.020E+02		9.540E+02				PAC 27 Listing Table 1
1685	1684	Lead nitrate	10099-74-8	010099-74-8	331.2	S	4.700E+02						PAC 27 Listing Table 1
1686	1685	Lead nitrite	13826-65-8	013826-65-8	299.2	S							PAC 27 Listing Table 1
1687	1686	Lead oxalate	814-93-7	000814-93-7	295.2196	S							PAC 27 Listing Table 1
1688	1687	Lead oxide; (Lead monoxide)	1317-36-8	001317-36-8	223.2	S	8.880E+02			7.5x10-3	7.240E+02		PAC 27 Listing Table 1
1689	1688	Lead phosphate	7446-27-7	007446-27-7	811.51	S	1.014E+03						PAC 27 Listing Table 1
1690	1689	Lead sulfate; (Sulfuric acid, lead(2+) salt (1:1))	7446-14-2	007446-14-2	303.25	S	1.170E+03						PAC 27 Listing Table 1
1691	1690	Lead sulfide	1314-87-0	001314-87-0	239.25	S	1.114E+03		1.281E+03	1.000E+00	8.520E+02		PAC 27 Listing Table 1
1692	1691	Lead tetroxide	1314-41-6	001314-41-6	685.6	S	8.300E+02						PAC 27 Listing Table 1
1693	1692	Lead(II) arsenite	10031-13-7	010031-13-7	421	S							PAC 27 Listing Table 1
1694	1693	Lead(II) perchlorate trihydrate	13453-62-8	013453-62-8	460.15	S							PAC 27 Listing Table 1
1695	1694	Leco set 7007 powder	z-0027	00000z-0027		S							PAC 27 Listing Table 1
1696	1695	Leptophos; (Fosvel)	21609-90-5	021609-90-5	412.07	S	70.2-70.4		3.800E+02	2.000E-06	2.500E+01		PAC 27 Listing Table 1
1697	1696	Lewisite 2; (Bis(2-chlorovinyl)chloroarsine)	40334-69-8	040334-69-8	233.35	L	1.018E+01	7.600E+02	2.040E+02	2.960E-01	2.500E+01	2.960E-01	EPI Suite Mean VP of Antoine and Grain Methods
1698	1697	Lewisite 3; (Tris(2-chlorovinyl)arsine)	40334-70-1	040334-70-1	259.394	L		7.600E+02	2.471E+02	2.700E-02	2.500E+01	2.700E-02	EPI Suite Modified Grain Method
1699	1698	Lignosulfonate (aqueous)	8062-15-5	008062-15-5		L		7.600E+02	6.959E+02	1.790E-20	2.500E+01	1.790E-20	EPI Suite Modified Grain Method
1700	1699	Limestone; (Calcium carbonate; Dolomite)	1317-65-3	001317-65-3	100.09	S							PAC 27 Listing Table 1
1701	1700	Limonene, d-	5989-27-5	005989-27-5	136.26	L	-7.435E+01	7.600E+02	1.755E+02	1.980E+00	2.500E+01	1.980E+00	YAWS,CL (1994B)
1702	1701	Lindane; (gamma-Benzenehexachloride)	58-89-9	000058-89-9	290.83	S	1.125E+02		3.234E+02	4.20x10-5	2.000E+01		PAC 27 Listing Table 1
1703	1702	Linseed oil	8001-26-1	008001-26-1	875.38	L	-2.400E+01	7.600E+02	3.160E+02	3.230E-21	2.500E+01	3.230E-21	EPI Suite Modified Grain Method
1704	1703	Liquified petroleum gas; (L.P.G.)	68476-85-7	068476-85-7	43.9	G							PAC 27 Listing Table 1
1705	1704	Lithium	7439-93-2	007439-93-2	6.94	S	1.805E+02		1.342E+03	5.920E-13	1.270E+02		PAC 27 Listing Table 1
1706	1705	Lithium acetate dihydrate	6108-17-4	006108-17-4	102.016	S	5.800E+01						PAC 27 Listing Table 1
1707	1706	Lithium aluminate	12003-67-7	012003-67-7	65.92034	S							PAC 27 Listing Table 1
1708	1707	Lithium aluminum oxide; (Lithium aluminate)	11089-89-7	011089-89-7	65.92	S	1900-2000						PAC 27 Listing Table 1
1709	1708	Lithium aluminum silicate; (Petalite)	1302-66-5	001302-66-5	306.28	S							PAC 27 Listing Table 1
1710	1709	Lithium azide	19597-69-4	019597-69-4	48.96	S	115-298						PAC 27 Listing Table 1
1711	1710	Lithium borohydride; (Lithium tetrahydroborate)	16949-15-8	016949-15-8	21.78	S	268		380 dec				PAC 27 Listing Table 1
1712	1711	Lithium bromide	7550-35-8	007550-35-8	86.85	S	5.500E+02		~ 1300	7.5x10-2	6.300E+02		PAC 27 Listing Table 1
1713	1712	Lithium carbonate	554-13-2	000554-13-2	73.89	S	7.200E+02		1200 dec				PAC 27 Listing Table 1
1714	1713	Lithium chloride	7447-41-8	007447-41-8	42.39	S	6.100E+02		1.350E+03	1.000E+00	5.470E+02		PAC 27 Listing Table 1
1715	1714	Lithium chromate; (Lithium chromium oxide)	14307-35-8	014307-35-8	129.88	S	75 dec						PAC 27 Listing Table 1
1716	1715	Lithium deuteride	13587-16-1	013587-16-1	8.96	S	6.800E+02						PAC 27 Listing Table 1
1717	1716	Lithium diisopropylamide; (LDA)	4111-54-0	004111-54-0	107.1233	S							PAC 27 Listing Table 1
1718	1717	Lithium fluoride	7789-24-4	007789-24-4	25.94	S	8.480E+02		1.676E+03	1.000E+00	1.047E+03		PAC 27 Listing Table 1
1719	1718	Lithium hydride	7580-67-8	007580-67-8	7.95	S	6.920E+02			~0	no temp		PAC 27 Listing Table 1
1720	1719	Lithium hydroxide	1310-65-2	001310-65-2	23.95	S	4.730E+02		1.626E+03				PAC 27 Listing Table 1
1721	1720	Lithium hydroxide monohydrate	1310-66-3	001310-66-3	41.97	S							PAC 27 Listing Table 1
1722	1721	Lithium iodide	10377-51-2	010377-51-2	133.8445	S	469		1.171E+03				PAC 27 Listing Table 1
1723	1722	Lithium metaborate, anhydrous	13453-69-5	013453-69-5	49.751	S	8.490E+02		1.719E+03				PAC 27 Listing Table 1
1724	1723	Lithium molybdate	13568-40-6	013568-40-6	173.82	S	7.050E+02						PAC 27 Listing Table 1
1725	1724	Lithium niobium oxide; (Lithium niobate)	12031-63-9	012031-63-9	147.85	S	1.250E+03						PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1726	1725	Lithium nitrate	7790-69-4	007790-69-4	68.95	S	2.530E+02						PAC 27 Listing Table 1
1727	1726	Lithium nitride	26134-62-3	026134-62-3	34.83	S	8.130E+02						PAC 27 Listing Table 1
1728	1727	Lithium nitrite	13568-33-7	013568-33-7	52.94	S							PAC 27 Listing Table 1
1729	1728	Lithium oxide	12057-24-8	012057-24-8	29.88	S	1.438E+03						PAC 27 Listing Table 1
1730	1729	Lithium perchlorate, anhydrous	7791-03-9	007791-03-9	106.39	S	2.360E+02						Crystalline powder per ChemSpider database
1731	1730	Lithium silicon	68848-64-6	068848-64-6	97.817	S							PAC 27 Listing Table 1
1732	1731	Lithium stearate	4485-12-5	004485-12-5	290.47	S	2.200E+02						PAC 27 Listing Table 1
1733	1732	Lithium sulfate	10377-48-7	010377-48-7	109.94	S	8.590E+02						PAC 27 Listing Table 1
1734	1733	Lithium tetraborate	12007-60-2	012007-60-2	169.12	S	9.300E+02						PAC 27 Listing Table 1
1735	1734	Lithium tetraborate pentahydrate	1303-94-2	001303-94-2	259.19	S	8.450E+02						PAC 27 Listing Table 1
1736	1735	Lithium tetrahydroaluminate(1-); (Lithium aluminum hydride)	16853-85-3	016853-85-3	37.96	S	125 dec						PAC 27 Listing Table 1
1737	1736	Lithium triethylborodeuteride; (Super-deuteride)	74540-86-6	074540-86-6	106.9494	S							PAC 27 Listing Table 1
1738	1737	Lithium triethylborohydride; (Super-hydride)	22560-16-3	022560-16-3	105.94	S							PAC 27 Listing Table 1
1739	1738	Lubricating oil, rerefined	68476-77-7	068476-77-7		L		7.600E+02	3.924E+02	9.630E-06	2.500E+01	9.630E-06	EPI Suite Modified Grain Method
1740	1739	Lutetium	7439-94-3	007439-94-3	174.967	S	1663		3.402E+03				PAC 27 Listing Table 1
1741	1740	Lutetium oxide	12032-20-1	012032-20-1	397.93	S	2.500E+03						PAC 27 Listing Table 1
1742	1741	Lutidine, 2,6-; (2,6-Dimethylpyridine)	108-48-5	000108-48-5	107.17	L	-5.800E+00	7.600E+02	1.440E+02	5.650E+00	2.500E+01	5.650E+00	PAC 27 Listing Table 1
1743	1742	Magnesium	7439-95-4	007439-95-4	24.31	S	6.500E+02		1.090E+03	7.5x10-3	4.280E+02		PAC 27 Listing Table 1
1744	1743	Magnesium acetate tetrahydrate	16674-78-5	016674-78-5	250.3012	S	8.000E+01						Crystalline powder per ChemSpider database
1745	1744	Magnesium aluminum phosphide	z-0116	00000z-0116	192.82	S							PAC 27 Listing Table 1
1746	1745	Magnesium carbonate hydroxide	7760-50-1	007760-50-1	395.58	S							PAC 27 Listing Table 1
1747	1746	Magnesium carbonate; (Magnesite)	546-93-0	000546-93-0	84.31	S	9.900E+02						PAC 27 Listing Table 1
1748	1747	Magnesium carbonate-magnesium hydroxide, pentahydrate	39409-82-0	039409-82-0	395.5764	S							PAC 27 Listing Table 1
1749	1748	Magnesium chloride	7786-30-3	007786-30-3	95.21	S	7.140E+02		1.412E+03				PAC 27 Listing Table 1
1750	1749	Magnesium chloride hexahydrate	7791-18-6	007791-18-6	203.33	S	118 dec						PAC 27 Listing Table 1
1751	1750	Magnesium ethoxide	2414-98-4	002414-98-4	116.44	S							PAC 27 Listing Table 1
1752	1751	Magnesium fluoride	7783-40-6	007783-40-6	62.3	S	1.263E+03		2.227E+03				PAC 27 Listing Table 1
1753	1752	Magnesium formate	557-39-1	000557-39-1	114.34	S							PAC 27 Listing Table 1
1754	1753	Magnesium hydroxide	1309-42-8	001309-42-8	58.33	S	350 dec						PAC 27 Listing Table 1
1755	1754	Magnesium iodate tetrahydrate	7790-32-1	007790-32-1	446.172	S	210 dec						PAC 27 Listing Table 1
1756	1755	Magnesium nitrate; (Magnesium(II) nitrate (1:2))	10377-60-3	010377-60-3	148.33	S	95-100		330 dec				PAC 27 Listing Table 1
1757	1756	Magnesium oxide	1309-48-4	001309-48-4	40.3	S	2.825E+03		3.600E+03	5.150E+01	2.832E+03		PAC 27 Listing Table 1
1758	1757	Magnesium phosphide	12057-74-8	012057-74-8	134.87	S							PAC 27 Listing Table 1
1759	1758	Magnesium silicate hydrate	1343-90-4	001343-90-4	278.91	S							PAC 27 Listing Table 1
1760	1759	Magnesium silicate; (Florisil)	1343-88-0	001343-88-0		S							PAC 27 Listing Table 1
1761	1760	Magnesium sulfate (1:1)	7487-88-9	007487-88-9	120.37	S	1.127E+03						PAC 27 Listing Table 1
1762	1761	Magnesium sulfate heptahydrate	10034-99-8	010034-99-8	246.51	S	loses 7H2O @ 200		1124 dec				PAC 27 Listing Table 1
1763	1762	Magnesium(II) nitrate (1:2), hexahydrate	13446-18-9	013446-18-9	256.45	S	8.900E+01		330 dec				PAC 27 Listing Table 1
1764	1763	Malathion	121-75-5	000121-75-5	330.36	L	1.400E+00	7.000E-01	1.560E+02	1.780E-04	2.500E+01	1.780E-04	PAC 27 Listing Table 1
1765	1764	Maleic acid	110-16-7	000110-16-7	116.08	S	138-139		135 dec	3.590E-05	2.500E+01		PAC 27 Listing Table 1
1766	1765	Maleic acid, disodium salt	371-47-1	000371-47-1	277.01	S							PAC 27 Listing Table 1
1767	1766	Maleic anhydride	108-31-6	000108-31-6	98.06	S	5.256E+01		2.020E+02	7.500E+00	7.370E+01		PAC 27 Listing Table 1
1768	1767	Maleic hydrazide; (3,6-Pyridazinedione, 1,2-dihydro-)	123-33-1	000123-33-1	112.1	S	>300						PAC 27 Listing Table 1
1769	1768	Malic acid, DL-	617-48-1	000617-48-1	134.09	S	132						PAC 27 Listing Table 1
1770	1769	Malonic acid; (Carboxyacetic acid)	141-82-2	000141-82-2	104.07	S	1.356E+02						PAC 27 Listing Table 1
1771	1770	Mancozeb; (Dithane M-45)	8018-01-7	008018-01-7	541.03	S	192-204 dec.						PAC 27 Listing Table 1
1772	1771	Manganese	7439-96-5	007439-96-5	54.94	S	1.246E+03		2.061E+03	7.5x10-3	9.550E+02		PAC 27 Listing Table 1
1773	1772	Manganese carbonate	598-62-9	000598-62-9	114.95	S			200 dec				PAC 27 Listing Table 1
1774	1773	Manganese dioxide	1313-13-9	001313-13-9	86.94	S	535 dec						PAC 27 Listing Table 1
1775	1774	Manganese hydroxide	18933-05-6	018933-05-6	88.953	S	dec						PAC 27 Listing Table 1
1776	1775	Manganese nitrite	18488-90-9	018488-90-9	146.9474	S							PAC 27 Listing Table 1
1777	1776	Manganese oxalate	640-67-5	000640-67-5	142.95	S							PAC 27 Listing Table 1
1778	1777	Manganese oxide; (Manganese tetroxide)	1317-35-7	001317-35-7	228.82	S	1.564E+03						PAC 27 Listing Table 1
1779	1778	Manganese phosphate	10124-54-6	010124-54-6	354.75	S							PAC 27 Listing Table 1
1780	1779	Manganese tricarbonyl methylcyclopentadienyl	12108-13-3	012108-13-3	218.1	L	1.500E+00	7.600E+02	2.330E+02	4.700E-02	2.500E+01	4.700E-02	GARRISON,AW ET AL. (1995)
1781	1780	Manganese(II) chloride (1:2); (Manganous chloride)	7773-01-5	007773-01-5	125.84	S	6.540E+02		1.225E+03				PAC 27 Listing Table 1
1782	1781	Manganese(II) chloride tetrahydrate	13446-34-9	013446-34-9	197.92	S	5.800E+01						PAC 27 Listing Table 1
1783	1782	Manganese(II) nitrate hexahydrate	10377-66-9	010377-66-9	287.039	S	28 dec						PAC 27 Listing Table 1
1784	1783	Manganese(II) nitrate hydrate	15710-66-4	015710-66-4	196.963	S							PAC 27 Listing Table 1
1785	1784	Manganese(II) sulfate monohydrate	10034-96-5	010034-96-5	169.02	S	7.000E+02		850 dec				PAC 27 Listing Table 1
1786	1785	Manganese(III) oxide	1317-34-6	001317-34-6	157.88	S	871-887		dec				PAC 27 Listing Table 1

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	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1787	1786	Manganese(VII) oxide	12057-92-0	012057-92-0	221.88	L	5.900E+00			1.500E+02	2.500E+01	1.500E+02	Bretherick's Handbook of Reactive Chemical Hazards, 7th Ed. Highly reactive, volatile, oily liquid which Sublimes at -10°C and decomposes at 40°C. Based on available data, material is assigned a vapor pressure of 150 mmHg at 25°C for calculation purposes.
1788	1787	Manganous oxide; (Manganese(II) oxide)	1344-43-0	001344-43-0	70.94	S	1.650E+03						PAC 27 Listing Table 1
1789	1788	Manganous sulfate	7785-87-7	007785-87-7	151	S	7.000E+02		850 dec				PAC 27 Listing Table 1
1790	1789	Manganous sulfide; (Manganese(II) sulfide)	18820-29-6	018820-29-6	87	S	3.990E+00						PAC 27 Listing Table 1
1791	1790	Mastic (resin)	61789-92-2	061789-92-2		S							PAC 27 Listing Table 1
1792	1791	Melamine	108-78-1	000108-78-1	126.15	S	3.470E+02		subl.	5.000E+01	3.150E+02		PAC 27 Listing Table 1
1793	1792	Memtetrahydrophthalic anhydride; (Tetrahydrophthalic anhydride)	85-43-8	000085-43-8	152.1494	S	101.9		195 @ 50°C	5.700E-02	2.500E+01		PAC 27 Listing Table 1
1794	1793	Mephsfolan	950-10-7	000950-10-7	269.34	S			4.100E+02	1.000E-10	2.500E+01		PAC 27 Listing Table 1
1795	1794	Mercaptoacetic acid; (Thioglycolic acid)	68-11-1	000068-11-1	92.12	L	-1.650E+01	1.500E+01	1.080E+02	8.680E-02	2.500E+01	8.680E-02	PAC 27 Listing Table 1
1796	1795	Mercaptobenzoic acid, o-	147-93-3	000147-93-3	154.19	S	164			subl.			PAC 27 Listing Table 1
1797	1796	Mercaptobenzothiazole, 2-; (2-Benzothiazoethiol)	149-30-4	000149-30-4	167.25	S	177-179						PAC 27 Listing Table 1
1798	1797	Mercaptoethanol, 2-	60-24-2	000060-24-2	78.14	L		7.600E+02	1.570E+02	1.756E+00	2.500E+01	1.756E+00	DAUBERT, TE & DANNER, RP (1996)
1799	1798	Mercaptopropionic acid, 3-	107-96-0	000107-96-0	106.15	L	1.680E+01	7.600E+02	1.150E+02	4.984E-02	2.500E+01	4.984E-02	DAUBERT, TE & DANNER, RP (1989)
1800	1799	Mercuric acetate	1600-27-7	001600-27-7	318.69	S	178-180		decom				PAC 27 Listing Table 1
1801	1800	Mercuric cyanide	592-04-1	000592-04-1	252.63	S	320 decom						PAC 27 Listing Table 1
1802	1801	Mercuric iodide; (Mercury(II) iodide)	7774-29-0	007774-29-0	454.4	S	2.590E+02		3.500E+02	1.000E+02	2.618E+02		PAC 27 Listing Table 1
1803	1802	Mercuric sulfate; (Mercury(II) sulfate)	7783-35-9	007783-35-9	296.65	S	decom						PAC 27 Listing Table 1
1804	1803	Mercuric thiocyanate; (Mercuric sulfocyanate)	592-85-8	000592-85-8	316.79	S							PAC 27 Listing Table 1
1805	1804	Mercuric trifluoroacetate	13257-51-7	013257-51-7	426.62	S	171-173						PAC 27 Listing Table 1
1806	1805	Mercuriol; (Mercury nucleate)	12002-19-6	012002-19-6		S							PAC 27 Listing Table 1
1807	1806	Mercurous chloride; (Mercury monochloride)	7546-30-7	007546-30-7	236.04	S	400 subl						PAC 27 Listing Table 1
1808	1807	Mercurous nitrate monohydrate	7782-86-7	007782-86-7	281.62	S	79.1 del						PAC 27 Listing Table 1
1809	1808	Mercurous nitrate; (Mercury(I) nitrate(1:1))	10415-75-5	010415-75-5	262.6	S	70 decom						PAC 27 Listing Table 1
1810	1809	Mercurous oxide; (Mercury(I) oxide)	15829-53-5	015829-53-5	417.18	S	100 dec						PAC 27 Listing Table 1
1811	1810	Mercury hydroxide	12135-13-6	012135-13-6	234.605	S							PAC 27 Listing Table 1
1812	1811	Mercury nitrate; (Mercury(II) nitrate (1:2))	10045-94-0	010045-94-0	324.6	S	7.900E+01						PAC 27 Listing Table 1
1813	1812	Mercury nitrite; (Mercury(II) nitrite)	18541-72-5	018541-72-5	292.59	S							PAC 27 Listing Table 1
1814	1813	Mercury vapor	7439-97-6	007439-97-6	200.59	L	-3.890E+01	7.600E+02	3.567E+02	2.000E-03	2.500E+01	2.000E-03	PAC 27 Listing Table 1
1815	1814	Mercury(II) chloride; (Dimercury dichloride)	10112-91-1	010112-91-1	472.08	S	400 subl.						PAC 27 Listing Table 1
1816	1815	Mercury(II) chloride; (Mercury bichloride)	7487-94-7	007487-94-7	271.5	S	2.770E+02		3.040E+02	7.5x10-3	6.440E+01		PAC 27 Listing Table 1
1817	1816	Mercury(II) nitrate monohydrate	7783-34-8	007783-34-8	342.62	S	79						PAC 27 Listing Table 1
1818	1817	Mercury(II) oxide; (Mercuric oxide)	21908-53-2	021908-53-2	216.59	S	500 dec						PAC 27 Listing Table 1
1819	1818	Mesitylene; (1,3,5-Trimethylbenzene)	108-67-8	000108-67-8	120.19	L	-4.472E+01	7.600E+02	1.647E+02	2.480E+00	2.500E+01	2.480E+00	DAUBERT, TE & DANNER, RP (1989)
1820	1819	Metaphosphoric acid	37267-86-0	037267-86-0	79.98	S	21		2.600E+02	3.000E-02	2.500E+01		PAC 27 Listing Table 1
1821	1820	Methacrolein diacetate; (Acetic acid, 2-methyl-2-propene-1,1-diol diester)	10476-95-6	010476-95-6	172.2	L		7.600E+02	1.910E+02	3.500E-01	2.500E+01	3.500E-01	PAC 27 Listing Table 1
1822	1821	Methacrylaldehyde	78-85-3	000078-85-3	70.1	L	-8.100E+01	7.600E+02	6.900E+01	1.550E+02	2.500E+01	1.550E+02	YAWS, CL (1994)
1823	1822	Methacrylamide	79-39-0	000079-39-0	85.12	S	105-107		2.150E+02				PAC 27 Listing Table 1
1824	1823	Methacrylic acid	79-41-4	000079-41-4	86.1	L	1.600E+01	7.600E+02	1.630E+02	9.900E-01	2.500E+01	9.900E-01	DAUBERT, TE & DANNER, RP (1997)
1825	1824	Methacrylic acid, diester with triethylene glycol; (Polyester TGM3)	109-16-0	000109-16-0	286.36	L	5.760E+00	5.000E+00	1.710E+02	9.440E-04	2.500E+01	9.440E-04	EPI Suite Modified Grain Method
1826	1825	Methacrylic anhydride	760-93-0	000760-93-0	154.18	L		7.600E+02	2.400E+02	1.000E-02	2.500E+01	1.000E-02	PAC 27 Listing Table 1
1827	1826	Methacrylonitrile; (Methylacrylonitrile)	126-98-7	000126-98-7	67.1	L	-3.600E+01	7.600E+02	9.030E+01	7.120E+01	2.500E+01	7.120E+01	DAUBERT, TE & DANNER, RP (1989)
1828	1827	Methacryloyl chloride	920-46-7	000920-46-7	104.54	L	-6.000E+01	7.600E+02	9.600E+01	4.000E+01	2.500E+01	4.000E+01	PAC 27 Listing Table 1
1829	1828	Methamidophos	10265-92-6	010265-92-6	141.14	S	4.000E+01		dec	3.000E-04	2.500E+01		PAC 27 Listing Table 1
1830	1829	Methane	74-82-8	000074-82-8	16.04	G	-1.825E+02		-1.615E+02	7.500E+02	-1.617E+02		PAC 27 Listing Table 1
1831	1830	Methane-d3	676-80-2	000676-80-2	19.07	G	-1.830E+02		-1.630E+02				PAC 27 Listing Table 1
1832	1831	Methanesulfonic acid	75-75-2	000075-75-2	96.01	L	2.000E+01	1.000E+01	1.670E+02	4.280E-04	2.500E+01	4.280E-04	EPI Suite Experimental Data
1833	1832	Methanesulfonic acid, ethyl ester; (Ethyl methanesulfonate)	62-50-0	000062-50-0	124.17	L		7.600E+02	2.130E+02	3.280E-01	2.500E+01	3.280E-01	PAC 27 Listing Table 1
1834	1833	Methanesulfonyl chloride	124-63-0	000124-63-0	114.55	L	-3.200E+01	1.800E+01	6.200E+01	2.290E+00	2.500E+01	2.290E+00	EPI Suite Mean VP of Antoine and Grain Methods
1835	1834	Methanesulfonyl fluoride	558-25-8	000558-25-8	98.1	L		7.600E+02	1.240E+02	1.000E+01	2.500E+01	1.000E+01	PAC 27 Listing Table 1
1836	1835	Methidathion; (O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazoliny1-3-methyl)ldithiophosphate)	950-37-8	000950-37-8	302.34	S	39-40			1.000E-06	2.500E+01		PAC 27 Listing Table 1
1837	1836	Methiocarb; (Mercaptodimethur)	2032-65-7	002032-65-7	225.33	S	117-118		3.250E+02	1.000E-04	2.500E+01		PAC 27 Listing Table 1
1838	1837	Methomyl	16752-77-5	016752-77-5	162.23	S	78-79		3.350E+02	5.000E-05	2.500E+01		PAC 27 Listing Table 1
1839	1838	Methoxybenzaldehyde; (p-Anisaldehyde)	123-11-5	000123-11-5	136.15	L	0.000E+00	7.600E+02	2.495E+02	3.290E-02	2.500E+01	3.290E-02	OHE, S (1989)
1840	1839	Methoxybenzyl alcohol, 4-	105-13-5	000105-13-5	138.18	S	2.500E+01		2.591E+02				PAC 27 Listing Table 1
1841	1840	Methoxychlor	72-43-5	000072-43-5	345.65	S	8.700E+01			4.2x10-5	2.500E+01		PAC 27 Listing Table 1
1842	1841	Methoxyethoxy)ethanol, 2-(2-; (Diethylene glycol monomethyl ether)	111-77-3	000111-77-3	120.17	L	-7.000E+01	7.600E+02	1.942E+02	2.500E-01	2.500E+01	2.500E-01	DOW CHEMICAL COMPANY (1990)
1843	1842	Methoxyethylamine, 2-	109-85-3	000109-85-3	75.13	L	-8.200E+01	7.600E+02	9.500E+01	4.640E+01	2.500E+01	4.640E+01	EPI Suite Mean VP of Antoine and Grain Methods
1844	1843	Methoxyethylmercuric acetate	151-38-2	000151-38-2	318.74	S	4.200E+01			1.000E-05	2.500E+01		PAC 27 Listing Table 1
1845	1844	Methoxyphenol, p-	150-76-5	000150-76-5	124.15	S	52.5		2.460E+02				PAC 27 Listing Table 1
1846	1845	Methoxypropylamine, 3-; (3-MPA)	5332-73-0	005332-73-0	89.16	L	-7.570E+01	7.600E+02	1.160E+02	2.000E+01	3.000E+01	1.518E+01	Estimated using data from PAC 27 Listing Table 1
1847	1846	Methoxytrimethylsilane	1825-61-2	001825-61-2	104.22	L	-9.739E+01	7.600E+02	5.700E+01	3.370E+02	2.500E+01	3.370E+02	EPI Suite Mean VP of Antoine and Grain Methods

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1848	1847	Methyl 2-cyanoacrylate; (Permabond 910 adhesive)	137-05-3	000137-05-3	111.11	L	-2.250E+01	7.600E+02	2.005E+02	2.000E-01	2.500E+01	2.000E-01	PAC 27 Listing Table 1
1849	1848	Methyl 2-pyrrolidinone, 1-; (N-Methylpyrrolidone)	872-50-4	000872-50-4	99.15	L	-1.700E+01	7.600E+02	2.020E+02	3.450E-01	2.500E+01	3.450E-01	DAUBERT,TE & DANNER,RP (1989)
1850	1849	Methyl acetate	79-20-9	000079-20-9	74.09	L	-9.870E+01	7.600E+02	5.780E+01	2.162E+02	2.500E+01	2.162E+02	AMBROSE,D ET AL. (1981)
1851		Methyl acetylene	74-99-7	000074-99-7	40.07	G	-1.040E+02		-2.330E+01	3.876E+03	2.000E+01		PAC 27 Listing Table 1
1852	1851	Methyl acetylene-propadiene mixture; (MAPP)	59355-75-8	059355-75-8	80.19	G	-38 --20						PAC 27 Listing Table 1
1853	1852	Methyl acrylate	96-33-3	000096-33-3	86.1	L	-7.650E+01	7.600E+02	8.500E+01	8.656E+01	2.500E+01	8.656E+01	DAUBERT,TE & DANNER,RP (1987)
1854	1853	Methyl alcohol; (Methanol)	67-56-1	000067-56-1	32.04	L	-9.753E+01	7.600E+02	6.460E+01	1.270E+02	2.500E+01	1.270E+02	BOUBLIK,T ET AL. (1984)
1855	1854	Methyl alcohol-d	1455-13-6	001455-13-6	33.05	L	1.100E+01	7.600E+02	6.550E+01	1.270E+02	2.500E+01	1.270E+02	EPI Suite Experimental Data
1856	1855	Methyl alcohol-d4	811-98-3	000811-98-3	36.07	L	1.100E+01	7.600E+02	6.540E+01	1.270E+02	2.500E+01	1.270E+02	EPI Suite Experimental Data
1857	1856	Methyl benzoate; (Benzoic acid, methyl ester)	93-58-3	000093-58-3	136.16	L	-1.250E+01	7.600E+02	1.996E+02	3.800E-01	2.500E+01	3.800E-01	DAUBERT,TE & DANNER,RP (1986)
1858	1857	Methyl bromide; (Bromomethane)	74-83-9	000074-83-9	94.94	G	-9.368E+01		3.500E+00	7.500E+02	3.300E+00		PAC 27 Listing Table 1
1859	1858	Methyl butylacrylate, 2-; (Butyl methacrylate)	97-88-1	000097-88-1	142.22	L	-7.500E+01	7.600E+02	1.630E+02	2.120E+00	2.500E+01	2.120E+00	PAC 27 Listing Table 1
1860	1859	Methyl chloride	74-87-3	000074-87-3	50.49	G	-9.770E+01		-2.409E+01	7.500E+02	-2.440E+01		PAC 27 Listing Table 1
1861	1860	Methyl chloroformate; (Methyl chlorocarbonate)	79-22-1	000079-22-1	94.5	L	-6.100E+01	7.600E+02	7.140E+01	1.290E+02	2.500E+01	1.290E+02	EPI Suite Mean VP of Antoine and Grain Methods
1862	1861	Methyl chlorosilane; (Chloromethylsilane)	993-00-0	000993-00-0	80.59	G	-1.350E+02		-4.500E+01				PAC 27 Listing Table 1
1863	1862	Methyl cyclohexylfluorophosphonate; (GF)	329-99-7	000329-99-7	180.18	L				4.400E-02	2.500E+01	4.400E-02	REUTTER,S (1999)
1864	1863	Methyl demeton methyl; (Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl ester)	2587-90-8	002587-90-8	216.27	L		7.600E+02	2.300E+02	2.340E-03	2.500E+01	2.340E-03	EPI Suite Modified Grain Method
1865	1864	Methyl dichlorosilane; (Dichloromethylsilane)	75-54-7	000075-54-7	115.04	L	-9.300E+01	7.600E+02	4.100E+01	4.290E+02	2.500E+01	4.290E+02	PAC 27 Listing Table 1
1866	1865	Methyl difluorophosphite; (Methylphosphonic difluoride)	676-99-3	000676-99-3	100.01	L		7.600E+02	9.800E+01	2.000E+02	2.500E+01	2.000E+02	EPI Suite Mean VP of Antoine and Grain Methods
1867	1866	Methyl ether; (Dimethyl ether)	115-10-6	000115-10-6	46.08	G	-1.385E+02		-2.370E+01	4.450E+03	2.500E+01		PAC 27 Listing Table 1
1868	1867	Methyl ethyl ketone peroxide	1338-23-4	001338-23-4	176.21	G			1.900E+01				PAC 27 Listing Table 1
1869	1868	Methyl fluoride; (Fluoromethane)	593-53-3	000593-53-3	34.03	G	-1.433E+02		-7.840E+01	7.500E+02	-7.860E+01		PAC 27 Listing Table 1
1870	1869	Methyl fluoroacetate	453-18-9	000453-18-9	92.08	L	-4.000E+01	7.600E+02	1.045E+02	3.090E+01	2.500E+01	3.090E+01	EPI Suite Mean VP of Antoine and Grain Methods
1871	1870	Methyl fluorsulfate	421-20-5	000421-20-5	114.1	L	-9.500E+01	7.600E+02	9.200E+01	5.050E+01	2.500E+01	5.050E+01	EPI Suite Mean VP of Antoine and Grain Methods
1872	1871	Methyl formate; (Formic acid, methyl ester)	107-31-3	000107-31-3	60.06	L	-9.980E+01	7.600E+02	3.150E+01	5.857E+02	2.500E+01	5.857E+02	DAUBERT,TE & DANNER,RP (1989)
1873	1872	Methyl iodide	74-88-4	000074-88-4	141.94	L	-6.640E+01	7.600E+02	4.243E+01	4.050E+02	2.500E+01	4.050E+02	BOUBLIK,T ET AL. (1984)
1874	1873	Methyl isobutyl ketone; (Hexone)	108-10-1	000108-10-1	100.16	L	-8.400E+01	7.600E+02	1.165E+02	1.986E+01	2.500E+01	1.986E+01	DAUBERT,TE & DANNER,RP (1985)
1875	1874	Methyl isocyanate	624-83-9	000624-83-9	57.05	L	-4.500E+01	7.600E+02	3.830E+01	3.480E+02	2.500E+01	3.480E+02	UNION CARBIDE (1979)
1876	1875	Methyl isopropyl ketone; (3-Methyl-2-butanone)	563-80-4	000563-80-4	86.15	L		7.600E+02	9.300E+01	5.220E+01	2.500E+01	5.220E+01	DAUBERT,TE & DANNER,RP (1989)
1877	1876	Methyl isothiocyanate; (Isothiocyanatomethane)	556-61-6	000556-61-6	73.12	S	3.600E+01		1.190E+02	1.900E+01	2.000E+01		PAC 27 Listing Table 1
1878	1877	Methyl lithium	917-54-4	000917-54-4	21.98	L		7.600E+02	3.546E+02	1.220E-05	2.500E+01	1.220E-05	EPI Suite Modified Grain Method
1879	1878	Methyl mercaptan	74-93-1	000074-93-1	48.11	G	-1.230E+02		5.900E+00	7.500E+02	5.700E+00		PAC 27 Listing Table 1
1880	1879	Methyl mercury	22967-92-6	022967-92-6	215.63	S							PAC 27 Listing Table 1
1881	1880	Methyl methacrylate	80-62-6	000080-62-6	100.12	L	-4.755E+01	7.600E+02	1.005E+02	3.850E+01	2.500E+01	3.850E+01	DAUBERT,TE & DANNER,RP (1985)
1882	1881	Methyl n-amyl ketone	110-43-0	000110-43-0	114.19	L	-3.500E+01	7.600E+02	1.511E+02	3.855E+00	2.500E+01	3.855E+00	AMBROSE,D ET AL. (1975)
1883	1882	Methyl nitrate; (Nitric acid, methyl ester)	598-58-3	000598-58-3	77.05	L	-8.300E+01	7.600E+02	6.500E+01	1.640E+02	2.500E+01	1.640E+02	EPI Suite Mean VP of Antoine and Grain Methods
1884	1883	Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm) (HFE-7100)	163702-07-6 163702-08-7	163702-07-6 163702-08-7	250.063727	G							PAC 27 Listing Table 1
1885	1884	Methyl parathion	298-00-0	000298-00-0	263.21	S	3.800E+01		35-36	0.2 mPa	2.000E+01		PAC 27 Listing Table 1
1886	1885	Methyl phencapton	3735-23-7	003735-23-7	349.25	L		7.600E+02	4.000E+02	3.500E-06	2.500E+01	3.500E-06	PAC 27 Listing Table 1
1887	1886	Methyl phosphonic dichloride	676-97-1	000676-97-1	132.91	S	3.200E+01		1.620E+02				PAC 27 Listing Table 1
1888	1887	Methyl phosphonothioic dichloride	676-98-2	000676-98-2	148.97	L	-2.560E+01	7.600E+02	1.770E+02	1.520E+01	2.500E+01	1.520E+01	EPI Suite Mean VP of Antoine and Grain Methods
1889	1888	Methyl pyridine, 3-; (3-Picoline)	108-99-6	000108-99-6	93.14	L		7.600E+02	1.430E+02	6.050E+00	2.500E+01	6.050E+00	CHAO,J ET AL. (1983)
1890	1889	Methyl salicylate	119-36-8	000119-36-8	152.16	L	-8.600E+00	7.600E+02	2.233E+02	3.430E-02	2.500E+01	3.430E-02	PAC 27 Listing Table 1
1891	1890	Methyl sulfoxide-d6; (Dimethyl-d6-sulfoxide)	2206-27-1	002206-27-1	84.15	L	1.800E+01	5.000E+00	5.500E+01	6.100E-01	2.500E+01	6.100E-01	EPI Suite Experimental Data
1892	1891	Methyl tert-butyl ether; (MTBE)	1634-04-4	001634-04-4	88.15	L	-1.086E+02	7.600E+02	5.500E+01	2.500E+02	2.500E+01	2.500E+02	DAUBERT,TE & DANNER,RP (1995)
1893	1892	Methyl thiocyanate	556-64-9	000556-64-9	73.12	L	-5.100E+01	7.600E+02	1.320E+02	1.207E+01	2.500E+01	1.207E+01	PERRY,RH & GREEN,D (1984)
1894	1893	Methyl vinyl carbinol; (3-Buten-2-ol)	598-32-3	000598-32-3	72.12	L	-8.000E+01	7.600E+02	9.700E+01	2.470E+01	2.500E+01	2.470E+01	EPI Suite Mean VP of Antoine and Grain Methods
1895	1894	Methyl vinyl ketone; (3-Buten-2-one)	78-94-4	000078-94-4	70.1	L	-7.000E+00	7.600E+02	8.140E+01	9.130E+01	2.500E+01	9.130E+01	EPI Suite Mean VP of Antoine and Grain Methods
1896	1895	Methyl-1-butene, 2-	563-46-2	000563-46-2	70.14	L	-1.375E+02	7.600E+02	3.104E+01	6.100E+02	2.500E+01	6.100E+02	DAUBERT,TE & DANNER,RP (1989)
1897	1896	Methyl-1H-benzotriazole	29385-43-1	029385-43-1	133.17	S							PAC 27 Listing Table 1
1898	1897	Methyl-1-phenyl-2-pyrazolin-5-one, 3-	89-25-8	000089-25-8	174.22	S	1.289E+02		1.910E+02				PAC 27 Listing Table 1
1899	1898	Methyl-1-propanethiol, 1-; (sec-Butyl mercaptan; 2-Butanethiol)	513-53-1	000513-53-1	90.19	L	-1.650E+02	7.600E+02	8.400E+01	8.071E+01	2.500E+01	8.071E+01	PAC 27 Listing Table 1
1900	1899	Methyl-1-propen-1-one, 2-; (Dimethylketene)	598-26-5	000598-26-5	70.09	L	-9.750E+01	7.600E+02	3.400E+01	5.412E+02	2.500E+01	5.412E+02	ACD Lab Physical Chemistry Suite
1901	1900	Methyl-2-(1-methylethyl)phenol, 5-; (Thymol)	89-83-8	000089-83-8	150.24	S	51		2.330E+02	1.000E+00	6.400E+01		PAC 27 Listing Table 1
1902	1901	Methyl-2-butene, 2-	513-35-9	000513-35-9	70.133	L	-1.337E+02	7.600E+02	3.856E+01	4.680E+02	2.500E+01	4.680E+02	PAC 27 Listing Table 1
1903	1902	Methyl-2-chloroacrylate	80-63-7	000080-63-7	120.54	L		7.600E+02	1.400E+02	1.200E+01	2.500E+01	1.200E+01	PAC 27 Listing Table 1
1904	1903	Methyl-2-heptanone, 6-	928-68-7	000928-68-7	128.21	L	-4.200E+01	7.600E+02	1.670E+02	2.400E+00	2.500E+01	2.400E+00	EPI Suite Mean VP of Antoine and Grain Methods
1905	1904	Methyl-2-hexanone, 5-; (Methyl isoamyl ketone)	110-12-3	000110-12-3	114.21	L	-7.390E+01	7.600E+02	1.440E+02	5.770E+00	2.500E+01	5.770E+00	ALARIE,MH ET AL. (1995)
1906	1905	Methyl-3-penten-2-one, 4-; (Mesityl oxide)	141-79-7	000141-79-7	98.16	L	-5.900E+01	7.600E+02	1.300E+02	8.210E+00	2.500E+01	8.210E+00	DAUBERT,TE & DANNER,RP (1989)
1907	1906	Methyl-4-penten-2-one, 4-	3744-02-3	003744-02-3	98.14	L	-7.260E+01	7.600E+02	1.242E+02	1.508E+01	2.500E+01	1.508E+01	RIDDICK,JA ET AL. (1986)
1908	1907	Methyl-5-nitroaniline, 2-; (5-Nitro-o-toluidine; Benzenamine, 2-methyl-5-nitro-)	99-55-8	000099-55-8	152.17	S	1.070E+02			1.300E-05	2.000E+01		PAC 27 Listing Table 1
1909	1908	Methyl-5-vinylpyridine, 2-	140-76-1	000140-76-1	119.18	S		7.600E+02	1.810E+02	1.700E+00	2.500E+01	1.700E+00	PAC 27 Listing Table 1
1910	1909	Methyl-8-quinolinol, 2-	826-81-3	000826-81-3	159.2	S	73.8		2.670E+02				PAC 27 Listing Table 1
1911	1910	Methylal; (Dimethoxymethane)	109-87-5	000109-87-5	76.1	L	-1.051E+02	7.600E+02	4.200E+01	3.975E+02	2.500E+01	3.975E+02	DAUBERT,TE & DANNER,RP (1989)

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1													
1912	1911	Methylamine hydrochloride	593-51-1	000593-51-1	67.53	S	232-234		227 @ 15°C				PAC 27 Listing Table 1
1913	1912	Methylaminoethanol, 2-(	109-83-1	000109-83-1	75.11	L	-4.500E+00	7.600E+02	1.560E+02	1.083E+00	2.500E+01	1.083E+00	YAWS,CL (1994)
1914	1913	Methylaniline, N-	100-61-8	000100-61-8	107.17	L	-5.700E+01	7.600E+02	1.940E+02	4.530E-01	2.500E+01	4.530E-01	DAUBERT,TE & DANNER,RP (1989)
1915	1914	Methylaziridine, 1-	1072-44-2	001072-44-2	57.11	L	-7.386E+01	7.600E+02	2.750E+01	6.930E+02	2.500E+01	6.930E+02	EPI Suite Mean VP of Antoine and Grain Methods
1916	1915	Methylbutanamide, 3-; (Isovaleramide)	541-46-8	000541-46-8	101.15	S	1.370E+02		2.260E+02				PAC 27 Listing Table 1
1917	1916	Methylbutylamine, N-	110-68-9	000110-68-9	87.19	L	-7.500E+01	7.600E+02	9.100E+01	5.500E+01	2.500E+01	5.500E+01	EPI Suite Mean VP of Antoine and Grain Methods
1918	1917	Methylcellulose	9004-67-5	009004-67-5	40000 - 180000	S	290-305						PAC 27 Listing Table 1
1919	1918	Methylchlorodisilane; (Chloromethyldisilane)	68937-17-7	068937-17-7	110.75	G							PAC 27 Listing Table 1
1920	1919	Methylcholanthrene, 3-	56-49-5	000056-49-5	268.35	S	1.800E+02		280 @ 80mmHg	4.3x10-8	2.500E+01		PAC 27 Listing Table 1
1921	1920	Methylcyclohexane	108-87-2	000108-87-2	98.21	L	-1.264E+02	7.600E+02	1.003E+02	4.600E+01	2.500E+01	4.600E+01	DAUBERT,TE & DANNER,RP (1989)
1922	1921	Methylcyclohexanone	1331-22-2	001331-22-2	112.19	L	-1.400E+01	7.600E+02	1.600E+02	3.010E+00	2.500E+01	3.010E+00	EPI Suite Mean VP of Antoine and Grain Methods
1923	1922	Methylcyclohexanone, 2-; (o-Methylcyclohexanone)	583-60-8	000583-60-8	112.19	L	-1.400E+01	7.600E+02	1.651E+02	2.250E+00	2.500E+01	2.250E+00	WEBER,RC ET AL. (1981)
1924	1923	Methylcyclopentane	96-37-7	000096-37-7	84.18	L	-1.425E+02	7.600E+02	7.180E+01	1.375E+02	2.500E+01	1.375E+02	BOUBLIK,T ET AL. (1984)
1925	1924	Methyldecane, 4-	2847-72-5	002847-72-5	156.31	L	-7.750E+01	7.600E+02	1.870E+02	9.550E-01	2.500E+01	9.550E-01	EPI Suite Mean VP of Antoine and Grain Methods
1926	1925	Methyldichloroarsine; (Dichloromethylarsine)	593-89-5	000593-89-5	160.86	L	-5.900E+01	2.000E+02	9.000E+01	1.000E+01	2.430E+01	1.040E+01	Estimated using data from PAC 27 Listing Table 1
1927	1926	Methylene bis(2-chloroaniline), 4,4'-; (MBOCA)	101-14-4	000101-14-4	267.15	S	1.100E+02			2.86x10-7	2.500E+01		PAC 27 Listing Table 1
1928	1927	Methylene bis(4-isocyanatocyclohexane), 1,1'-	5124-30-1	005124-30-1	262.39	L		1.500E+00	1.680E+02	2.330E-05	2.500E+01	2.330E-05	EPI Suite Modified Grain Method
1929	1928	Methylene chloride; (Dichloromethane)	75-09-2	000075-09-2	84.93	L	-9.720E+01	7.600E+02	4.000E+01	4.350E+02	2.500E+01	4.350E+02	BOUBLIK,T ET AL. (1984)
1930	1929	Methylene diphenyl diisocyanate; (Diphenylmethane diisocyanate; MDI)	101-68-8	000101-68-8	250.25	S	3.700E+01		196 @ 5mmHg	5.0x10-6	2.500E+01		PAC 27 Listing Table 1
1931	1930	Methylene fluoride; (Difluoromethane; HFC-32)	75-10-5	000075-10-5	52.03	G				1.264E+04	2.500E+01		DAUBERT,TE & DANNER,RP (1989)
1932	1931	Methylenebis(isocyanato-benzene), 1,1'-; (Diphenyl methane diisocyanate)	26447-40-5	026447-40-5	250.26	S							PAC 27 Listing Table 1
1933	1932	Methylenebisacrylamide, N,N'-	110-26-9	000110-26-9	154.19	S	185		dec				PAC 27 Listing Table 1
1934	1933	Methylenedianiline, 4,4'-	101-77-9	000101-77-9	198.26	S	9.250E+01		3.980E+02	2.03x10-7	2.500E+01		PAC 27 Listing Table 1
1935	1934	Methylethyl hydroperoxide, 1-; (Isopropyl hydroperoxide)	3031-75-2	003031-75-2	76.09	S			107-109				PAC 27 Listing Table 1
1936	1935	Methylformamide, N-	123-39-7	000123-39-7	59.08	L	-5.400E+00	7.600E+02	1.800E+02	2.530E-01	2.500E+01	2.530E-01	PAC 27 Listing Table 1
1937	1936	Methylfuran, 2-	534-22-5	000534-22-5	82.11	L	-8.870E+01	7.600E+02	6.370E+01	1.563E+02	2.500E+01	1.563E+02	CHAO,J ET AL. (1983)
1938	1937	Methylheptane, 2-	592-27-8	000592-27-8	114.23	L	-1.090E+02	7.600E+02	1.180E+02	2.070E+01	2.500E+01	2.070E+01	DAUBERT,TE & DANNER,RP (1989)
1939	1938	Methylheptane, 4-	589-53-7	000589-53-7	114.23	L	-1.210E+02	7.600E+02	1.177E+02	2.050E+01	2.500E+01	2.050E+01	DAUBERT,TE & DANNER,RP (1989)
1940	1939	Methylhydrosiloxane (3-4%) + dimethylsiloxane (96-97%) copolymer	68037-59-2	068037-59-2	282.64	L	-3.125E+01	7.600E+02	2.208E+02	1.260E-01	2.500E+01	1.260E-01	EPI Suite Mean VP of Antoine and Grain Methods
1941	1940	Methylimidazole, 1-	616-47-7	000616-47-7	82.12	S	-6.000E+00	7.600E+02	1.960E+02				Crystalline solid
1942	1941	Methylimidazole, 4-	822-36-6	000822-36-6	82.12	S	5.600E+01		2.630E+02				PAC 27 Listing Table 1
1943	1942	Methylactic acid ethyl ester, 2-; (Ethyl 2-hydroxyisobutyrate)	80-55-7	000080-55-7	132.18	L	-1.257E+01	7.600E+02	1.500E+02	1.350E+00	2.500E+01	1.350E+00	EPI Suite Mean VP of Antoine and Grain Methods
1944	1943	Methylacetonitrile, 2-; (Acetone cyanohydrin)	75-86-5	000075-86-5	85.11	L	-1.900E+01	7.600E+02	9.500E+01	3.410E-01	2.500E+01	3.410E-01	DAUBERT,TE & DANNER,RP (1989)
1945	1944	Methylmagnesium bromide, 3.0 m in diethyl ether	75-16-1	000075-16-1	119.26	L	-2.828E+01	7.600E+02	1.189E+02	1.970E+01	2.500E+01	1.970E+01	EPI Suite Mean VP of Antoine and Grain Methods
1946	1945	Methylmagnesium chloride	676-58-4	000676-58-4	74.793	S							PAC 27 Listing Table 1
1947	1946	Methylmercuric dicyanamide	502-39-6	000502-39-6	298.72	S	1.560E+02			3.000E-05	2.500E+01		PAC 27 Listing Table 1
1948	1947	Methylmorpholine, 4-	109-02-4	000109-02-4	101.17	L	-6.440E+01	7.600E+02	1.150E+02	1.870E+01	2.500E+01	1.870E+01	EPI Suite Mean VP of Antoine and Grain Methods
1949	1948	Methylnaphthalene, 1-	90-12-0	000090-12-0	142.21	L	-2.200E+01	7.600E+02	2.410E+02	6.700E-02	2.500E+01	6.700E-02	PAC 27 Listing Table 1
1950	1949	Methylnaphthalene, 2-	91-57-6	000091-57-6	142.2	S	3.460E+01		2.411E+02	7.500E-01	5.700E+01		PAC 27 Listing Table 1
1951	1950	Methylnitrosopiperidine, 3-; (Piperidine, 3-methyl-1-nitroso-)	13603-07-1	013603-07-1	128	L	1.412E+01	7.600E+02	2.428E+02	6.350E-02	2.500E+01	6.350E-02	EPI Suite Mean VP of Antoine and Grain Methods
1952	1951	Methylnonane, 4-	17301-94-9	017301-94-9	142.28	L	-9.900E+01	7.600E+02	1.657E+02	2.540E+00	2.500E+01	2.540E+00	EPI Suite Mean VP of Antoine and Grain Methods
1953	1952	Methylpentane, 2-; (Isohexane)	107-83-5	000107-83-5	86.2	L	-1.540E+02	7.600E+02	6.030E+01	2.110E+02	2.500E+01	2.110E+02	DAUBERT,TE & DANNER,RP (1989)
1954	1953	Methylpentane, 3-	96-14-0	000096-14-0	86.18	L	-1.180E+02	7.600E+02	6.330E+01	1.900E+02	2.500E+01	1.900E+02	PAC 27 Listing Table 1
1955	1954	Methylpentanol-1, 2-; (Amyl methyl alcohol)	105-30-6	000105-30-6	102.2	L		7.600E+02	1.300E+02	1.920E+00	2.500E+01	1.920E+00	DAUBERT,TE & DANNER,RP (1989)
1956	1955	Methylphenol, 2-; (o-Cresol)	95-48-7	000095-48-7	108.15	S	3.000E+01		1.910E+02	1.000E+00	3.820E+01		PAC 27 Listing Table 1
1957	1956	Methylphenol, 3-; (m-Cresol)	108-39-4	000108-39-4	108.15	L	1.090E+01	7.600E+02	2.028E+02	1.100E-01	2.500E+01	1.100E-01	DAUBERT,TE & DANNER,RP (1989)
1958	1957	Methylphenol, 4-; (p-Cresol)	106-44-5	000106-44-5	108.15	S	3.550E+01		2.018E+02	1.000E+00	5.300E+01		PAC 27 Listing Table 1
1959	1958	Methylphenylthiourea, 2-; (o-Tolyl thiourea)	614-78-8	000614-78-8	166.26	S	151-152			2.000E-06	2.500E+01		PAC 27 Listing Table 1
1960	1959	Methylphosphonate	993-13-5	000993-13-5	96.02246	S	108.5		dec.				PAC 27 Listing Table 1
1961	1960	Methylphosphonothioic acid, O-(4-nitrophenyl) O-phenyl ester	2665-30-7	002665-30-7	309.29	L		7.600E+02	4.000E+02	1.000E-05	2.500E+01	1.000E-05	PAC 27 Listing Table 1
1962	1961	Methylphosphonothioic acid-, O-ethyl O-(4-(methylthio)phenyl) ester	2703-13-1	002703-13-1	262.34	L		7.600E+02	2.980E+02	1.000E-04	2.500E+01	1.000E-04	PAC 27 Listing Table 1
1963	1962	Methylphosphonothioic acid, S-(2-(dimethylamino)ethyl) O-ethyl ester	20820-80-8	020820-80-8	211.29	L		7.600E+02	2.805E+02	5.470E-03	2.500E+01	5.470E-03	EPI Suite Modified Grain Method
1964	1963	Methylpropane, 2-; (Isobutane)	75-28-5	000075-28-5	58.12	G	-1.594E+02		-1.173E+01	7.500E+02	-1.200E+01		PAC 27 Listing Table 1
1965	1964	Methylpropene, 2-; (Isobutene)	115-11-7	000115-11-7	56.12	G	-1.403E+02		-6.900E+00				PAC 27 Listing Table 1
1966	1965	Methylpropylnitrosamine; (N-Methyl-N-nitroso-1-propanamine)	924-46-9	000924-46-9	102.16	L	-1.560E+01	4.000E+01	9.100E+01	5.620E-01	2.500E+01	5.620E-01	EPI Suite Mean VP of Antoine and Grain Methods
1967	1966	Methylpyridine, 2-; (2-Picoline)	109-06-8	000109-06-8	93.14	L	-7.000E+01	7.600E+02	1.290E+02	1.120E+01	2.500E+01	1.120E+01	PAC 27 Listing Table 1
1968	1967	Methylpyrrole, N-	96-54-8	000096-54-8	81.12	L	-5.632E+01	7.600E+02	1.128E+02	2.145E+01	2.500E+01	2.145E+01	CHAO,J ET AL. (1983)
1969	1968	Methylpyrrolidine; (Methylpyrrolidine, 1-)	120-94-5	000120-94-5	85.15	L	-9.000E+01	7.600E+02	8.050E+01	1.000E+02	2.500E+01	1.000E+02	DAUBERT,TE & DANNER,RP (1989)
1970	1969	Methylstyrene, alpha-	98-83-9	000098-83-9	118.19	L	-2.400E+01	7.600E+02	1.670E+02	1.900E+00	2.500E+01	1.900E+00	BOUBLIK,T ET AL. (1984)
1971	1970	Methyltetrahydrofuran, 2-	96-47-9	000096-47-9	86.15	L		7.600E+02	8.000E+01	9.734E+01	2.500E+01	9.734E+01	CABANI,S ET AL. (1971A)
1972	1971	Methyltriacetoxysilane	4253-34-3	004253-34-3	220.25	S	4.050E+01		111 @ 17mmHg				PAC 27 Listing Table 1
1973	1972	Methyltrichlorosilane; (Trichloromethyl silane)	75-79-6	000075-79-6	149.48	L	-9.000E+01	7.600E+02	6.560E+01	1.670E+02	2.500E+01	1.670E+02	RIDDICK,JA ET AL. (1986)

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
1974	1973	Methyltriethoxysilane	2031-67-6	002031-67-6	178.34	L	-7.800E+01	7.600E+02	1.445E+02	5.800E+00	2.500E+01	5.800E+00	EPI Suite Mean VP of Antoine and Grain Methods
1975	1974	Methyl-trifluoromethanesulfonate	333-27-7	000333-27-7	164.1051	L	-4.690E+00						
1976	1975	Methyltrimethoxysilane	1185-55-3	001185-55-3	136.25	L		7.600E+02	1.035E+02	3.360E+01	2.500E+01	3.360E+01	EPI Suite Mean VP of Antoine and Grain Methods
1977	1976	Methyltriocetylammonium chloride	5137-55-3	005137-55-3	404.25	L		7.600E+02	5.695E+02	2.500E-10	2.500E+01	2.500E-10	EPI Suite Modified Grain Method
1978	1977	Methylvinylchlorosilane; (Dichloromethylvinylsilane)	124-70-9	000124-70-9	141.08	L	-7.800E+01	7.600E+02	9.200E+01	5.160E+01	2.500E+01	5.160E+01	EPI Suite Mean VP of Antoine and Grain Methods
1979	1978	Methylvinylsiloxane-dimethylsiloxane copolymer, vinyl terminated	68083-18-1	068083-18-1	346.72	L	-6.330E+00	7.600E+02	2.384E+02	5.040E-02	2.500E+01	5.040E-02	EPI Suite Mean VP of Antoine and Grain Methods
1980	1979	Metolcarb; (Methylcarbamic acid m-tolyl ester)	1129-41-5	001129-41-5	165.21	S	76-77			3.600E+02	1.000E-05	2.500E+01	PAC 27 Listing Table 1
1981	1980	Mevinphos; (Phosdrin)	7786-34-7	007786-34-7	224.17	S	6.700E+00		2.800E+02	2.900E+00	2.500E+01		PAC 27 Listing Table 1
1982	1981	Mexacarbate; (4-(Dimethylamine)-3,5-xylyl N-methylcarbamate)	315-18-4	000315-18-4	222.32	S	8.500E+01			2.000E-06	2.500E+01		PAC 27 Listing Table 1
1983	1982	Mica; (mica silicates)	12001-26-2	012001-26-2	398.3	S	1.387E+03						PAC 27 Listing Table 1
1984	1983	Michler's ketone; (4,4'-Bis(dimethylamino)benzophenone)	90-94-8	000090-94-8	268.39	S	1.790E+02		>360 decom				PAC 27 Listing Table 1
1985	1984	Mineral fibers, fine	z-0032	000002-0032		S	1.387E+03						PAC 27 Listing Table 1
1986	1985	Mineral oil, heavy or light; (Paraffin oil; Deobase, deodorized)	8020-83-5	008020-83-5		L		7.600E+02	1.740E+02	1.000E-02	2.000E+01	1.728E-02	Handbook of Green Chemicals VP @ 20°C <0.01 mmHg
1987	1986	Mineral oil, petroleum distillates, heavy naphthenic	64741-53-3	064741-53-3	252.32	L		7.600E+02	4.950E+02	5.490E-09	2.500E+01	5.490E-09	EPI Suite Experimental Data
1988	1987	Mineral oil, petroleum distillates, solvent refined light naphthenic	64741-97-5	064741-97-5	252.32	L		7.600E+02	4.950E+02	5.490E-09	2.500E+01	5.490E-09	EPI Suite Experimental Data
1989	1988	Mineral oil, petroleum distillates, solvent-refined (mild) heavy paraffinic	64741-88-4	064741-88-4		L		7.600E+02	3.830E+02	1.000E-03	2.000E+01	1.508E-03	MSDS VP @ 20°C <0.0001 mmHg
1990	1989	Mineral oil, white	8042-47-5	008042-47-5	114.23	L	-5.680E+01	7.600E+02	1.256E+02	1.410E+01	2.500E+01	1.410E+01	EPI Suite Experimental Data
1991	1990	Mineral oil; (Oil mist, mineral)	8012-95-1	008012-95-1	170.34	L	-9.600E+00	7.600E+02	2.163E+02	1.350E-01	2.500E+01	1.350E-01	EPI Suite Experimental Data
1992	1991	Mirex; (Perchloropentacyclodecane)	2385-85-5	002385-85-5	545.54	S	485 dec			8x10-7	2.500E+01		PAC 27 Listing Table 1
1993	1992	Mitomycin C	50-07-7	000050-07-7	334.37	S	>360		5.340E+02	1.000E-05	2.500E+01		PAC 27 Listing Table 1
1994	1993	Molecular sieve 13X	63231-69-6	063231-69-6		S							PAC 27 Listing Table 1
1995	1994	Molybdate orange	12656-85-8	012656-85-8		S							PAC 27 Listing Table 1
1996	1995	Molybdenum	7439-98-7	007439-98-7	95.94	S	2.623E+03		4.639E+03	7.5x10-3	2.469E+03		PAC 27 Listing Table 1
1997	1996	Molybdenum carbide	12011-97-1	012011-97-1	107.95	S	2.692E+03						PAC 27 Listing Table 1
1998	1997	Molybdenum dioxide	18868-43-4	018868-43-4	127.94	S							PAC 27 Listing Table 1
1999	1998	Molybdenum disilicide	12136-78-6	012136-78-6	152.111	S	~1900		2.030E+03				PAC 27 Listing Table 1
2000	1999	Molybdenum hexacarbonyl	13939-06-5	013939-06-5	264	S							PAC 27 Listing Table 1
2001	2000	Molybdenum pentachloride	10241-05-1	010241-05-1	273.19	S	194		2.680E+02				PAC 27 Listing Table 1
2002	2001	Molybdenum trioxide	1313-27-5	001313-27-5	143.94	S	7.950E+02		1.155E+03				PAC 27 Listing Table 1
2003	2002	Molybdenum(IV) sulfide	1317-33-5	001317-33-5	160.07	S	1.185E+03						PAC 27 Listing Table 1
2004	2003	Molybdic acid	7782-91-4	007782-91-4	161.9534	G							PAC 27 Listing Table 1
2005	2004	Molybdic acid, ammonium salt; (Ammonium molibdate)	11098-84-3	011098-84-3	224.28	S							PAC 27 Listing Table 1
2006	2005	Molybdic acid, disodium salt; (Disodium molybdate)	7631-95-0	007631-95-0	205.92	S	6.860E+02						PAC 27 Listing Table 1
2007	2006	Molybdic acid, hexaammonium salt; (Ammonium heptamolybdate)	12027-67-7	012027-67-7	1163.89	S	9.000E+01		dec				PAC 27 Listing Table 1
2008	2007	Molybdophosphoric acid	12026-57-2	012026-57-2	1825.25346	S							PAC 27 Listing Table 1
2009	2008	Molybdophosphoric acid hydrate; (Phosphomolybdic acid hydrate)	51429-74-4	051429-74-4	2786.8778	S	1.040E+02						PAC 27 Listing Table 1
2010	2009	Monobutyl phosphite	16456-56-7	016456-56-7	138.12	L	1.126E+01	7.600E+02	2.422E+02	5.350E-03	2.500E+01	5.350E-03	EPI Suite Mean VP of Antoine and Grain Methods
2011	2010	Monochlororamine; (Chloramide)	10599-90-3	010599-90-3	51.48	L	-6.600E+01	7.600E+02	4.859E+02	1.160E-09	2.500E+01	1.160E-09	EPI Suite Modified Grain Method
2012	2011	Monochloropentafluoroethane; (CFC-115)	76-15-3	000076-15-3	154.47	G	-1.060F+02		-3.770E+01				PAC 27 Listing Table 1
2013	2012	Monocrotophos	6923-22-4	006923-22-4	223.19	S	54-55		1.250E+02	7.000E-06	2.500E+01		PAC 27 Listing Table 1
2014	2013	Monomethylamine; (Methylamine)	74-89-5	000074-89-5	31.06	G	-9.350E+01		-6.320E+00	7.500E+02	-6.600E+00		PAC 27 Listing Table 1
2015	2014	Monomethylhydrazine; (Methyl hydrazine)	60-34-4	000060-34-4	46.07	L	-5.236E+01	7.600E+02	8.750E+01	5.000E+01	2.500E+01	5.000E+01	BOUBLIK,T ET AL. (1984)
2016	2015	Monosodium titanate	60704-88-3	060704-88-3	102.87	S							PAC 27 Listing Table 1
2017	2016	Montmorillonite	1318-93-0	001318-93-0		S							PAC 27 Listing Table 1
2018	2017	Morpholine	110-91-8	000110-91-8	87.14	L	-4.900E+00	7.600E+02	1.289E+02	1.008E+01	2.500E+01	1.008E+01	RIDDICK,JA ET AL. (1986)
2019	2018	Morpholinepropanesulfonic acid, 4-	1132-61-2	001132-61-2	209.29	S			277-280				PAC 27 Listing Table 1
2020	2019	Morpholino)ethanesulfonic acid monohydrate, 2-(N-	4432-31-9	004432-31-9	195.26	S	243						PAC 27 Listing Table 1
2021	2020	Muscimol; (5-Aminomethyl-3-isoxazole)	2763-96-4	002763-96-4	114.12	S	174-176			1.000E-05	2.500E+01		PAC 27 Listing Table 1
2022	2021	Mustard gas sulfoxide; (bis(2-Chloroethyl)sulfoxide)	5819-08-9	005819-08-9	175.08	S							PAC 27 Listing Table 1
2023	2022	Myoglobins	9008-45-1	009008-45-1		S							PAC 27 Listing Table 1
2024	2023	Myristic acid, butyl ester; (Tetradecanoic acid, butyl ester)	110-36-1	000110-36-1	284.54	L		1.800E+01	1.950E+02	9.470E-05	2.500E+01	9.470E-05	EPI Suite Modified Grain Method
2025	2024	Myristic acid, isopropyl ester; (Tetradecanoic acid, isopropyl; Isopropyl myristate)	110-27-0	000110-27-0	270.46	L	3.000E+00	2.000E+01	1.926E+02	9.350E-05	2.500E+01	9.350E-05	PAC 27 Listing Table 1
2026	2025	Nabumetone; (Relafen; 4-(6-Methoxy-2-naphthyl)-2-butanone)	42924-53-8	042924-53-8	228.29	S	8.000E+01						PAC 27 Listing Table 1
2027	2026	Nadic methyl anhydride	25134-21-8	025134-21-8	178.2	L	1.800E+01	1.000E+01	1.430E+02	1.510E-02	2.500E+01	1.510E-02	EPI Suite Modified Grain Method
2028	2027	Naphtha (coal tar); (Naphtha [petroleum] light aliphatic; Aliphatic naphtha)	8030-30-6	008030-30-6	100	S			~150 - variable	< 5			PAC 27 Listing Table 1
2029	2028	Naphtha (petroleum), heavy catalytic cracked	64741-54-4	064741-54-4	112.22	L	-6.984E+01	7.600E+02	1.490E+02	1.650E+01	2.500E+01	1.650E+01	EPI Suite Mean VP of Antoine and Grain Methods
2030	2029	Naphtha (petroleum), light straight-run	64741-46-4	064741-46-4	100	G			-20 to 180				PAC 27 Listing Table 1
2031	2030	Naphtha, heavy aliphatic solvent	64742-96-7	064742-96-7	184.37	L	-9.610E+00	7.600E+02	1.909E+03	9.210E-02	2.500E+01	9.210E-02	EPI Suite Mean VP of Antoine and Grain Methods
2032	2031	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	64742-48-9	064742-48-9	171.27	L	-7.100E+01	7.600E+02	6.500E+01	4.960E+00	2.500E+01	4.960E+00	EPI Suite Mean VP of Antoine and Grain Methods
2033	2032	Naphthalenamine, 1-; (1-Naphthylamine)	134-32-7	000134-32-7	143.19	S	4.920E+01		3.007E+02	7.5x10-2	2.500E+01		PAC 27 Listing Table 1
2034	2033	Naphthalene	91-20-3	000091-20-3	128.17	S	8.026E+01		2.179E+02	7.5x10-2	2.410E+01		PAC 27 Listing Table 1
2035	2034	Naphthaleneacetamide, 1-	86-86-2	000086-86-2	185.24	S			181subl				PAC 27 Listing Table 1
2036	2035	Naphthalenetrisulfonic acid sodium salt, 1,3,6-	19437-42-4	019437-42-4	452.30861	S							PAC 27 Listing Table 1
2037	2036	Naphthenic acid, lead salt	61790-14-5	061790-14-5	461.53	L	0.000E+00	7.600E+02	4.331E+02	5.810E-08	2.500E+01	5.810E-08	EPI Suite Modified Grain Method, MW corrected to 461.53

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	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2038	2037	Naphthol, 1-	90-15-3	000090-15-3	144.18	S	96		2.825E+02	1.700E+00	1.000E+02		PAC 27 Listing Table 1
2039	2038	Naphthol, 2-	135-19-3	000135-19-3	144.18	S	122		2.860E+02	1.000E+01	1.455E+02		PAC 27 Listing Table 1
2040	2039	Naphthol-8-sulfonic acid, sodium salt, 2-	832-85-9	000832-85-9	224.2308	S							PAC 27 Listing Table 1
2041	2040	Naphthoquinone, 1,4-	130-15-4	000130-15-4	158.15	S	1.285E+02		subl.	1.950E-02	5.000E+01		PAC 27 Listing Table 1
2042	2041	Naphthylamine, beta-	91-59-8	000091-59-8	143.2	S	125-126						PAC 27 Listing Table 1
2043	2042	Naphthylthiourea, alpha-; (ANTU)	86-88-4	000086-88-4	202.29	S	1.980E+02		4.000E+02	1.000E-06	2.500E+01		PAC 27 Listing Table 1
2044	2043	Neatsfoot oil; (Fats and glyceridic oils)	8002-64-0	008002-64-0	859.42	L		7.600E+02	8.025E+02	5.460E-20	2.500E+01	5.460E-20	EPI Suite Modified Grain Method
2045	2044	Neodecanoic acid	26896-20-8	026896-20-8	172.3	L		7.600E+02	2.521E+02	1.470E-02	2.500E+01	1.470E-02	EPI Suite Modified Grain Method
2046	2045	Neodecanoic acid, calcium salt; (Calcium neodecanoate)	27253-33-4	027253-33-4	382.5978	S							PAC 27 Listing Table 1
2047	2046	Neodymium	7440-00-8	007440-00-8	144.24	S	1016		3.074E+03	7.5x10-3	1.322E+03		PAC 27 Listing Table 1
2048	2047	Neodymium bromide	13536-80-6	013536-80-6	383.95	S	6.840E+02		540? HC@P				PAC 27 Listing Table 1
2049	2048	Neodymium fluoride	13709-42-7	013709-42-7	201.23521	S	1.377E+03		2.300E+03				PAC 27 Listing Table 1
2050	2049	Neodymium hydroxide	16469-17-3	016469-17-3	195.26	S							PAC 27 Listing Table 1
2051	2050	Neodymium nitrate	10045-95-1	010045-95-1	330.26	S							PAC 27 Listing Table 1
2052	2051	Neodymium nitrate, pentahydrate	14517-29-4	014517-29-4	438.35	S							PAC 27 Listing Table 1
2053	2052	Neodymium nitrite	z-0033	00000z-0033	282.23	S							PAC 27 Listing Table 1
2054	2053	Neodymium(III) chloride	10024-93-8	010024-93-8	250.6	S	7.590E+02		1.600E+03				PAC 27 Listing Table 1
2055	2054	Neodymium(III) oxide	1313-97-9	001313-97-9	336.48	S	2.233E+03		3.760E+03				PAC 27 Listing Table 1
2056	2055	Neon	7440-01-9	007440-01-9	20.18	G	-2.487E+02		-2.459E+02				PAC 27 Listing Table 1
2057	2056	Nickel	7440-02-0	007440-02-0	58.69	S	1.455E+03		2.913E+03	7.5x10-3	1.510E+03		PAC 27 Listing Table 1
2058	2057	Nickel acetate tetrahydrate	6018-89-9	006018-89-9	248.84	S	250 dec						PAC 27 Listing Table 1
2059	2058	Nickel aluminide	12003-78-0	012003-78-0	79.67	S							PAC 27 Listing Table 1
2060	2059	Nickel carbonate hydroxide; (Basic nickel carbonate tetrahydrate)	39430-27-8	039430-27-8	376.26	S							PAC 27 Listing Table 1
2061	2060	Nickel carbonate hydroxide; (Basic nickel(II) carbonate)	12607-70-4	012607-70-4	304.18	S							PAC 27 Listing Table 1
2062	2061	Nickel carbonyl	13463-39-3	013463-39-3	170.73	L	-1.930E+01	7.600E+02	4.210E+01	7.500E+02	4.200E+01	6.936E+01	Estimated using data from PAC 27 Listing Table 1
2063	2062	Nickel chloride; (Nickelous chloride)	7718-54-9	007718-54-9	129.61	S	1001 sealed tube		973 sublime				PAC 27 Listing Table 1
2064	2063	Nickel cyanide	557-19-7	000557-19-7	110.75	S	>200						PAC 27 Listing Table 1
2065	2064	Nickel fluoride	13940-83-5	013940-83-5	168.751	S							PAC 27 Listing Table 1
2066	2065	Nickel formate	3349-06-2	003349-06-2	148.73	S							PAC 27 Listing Table 1
2067	2066	Nickel oxalate (liquids)	6018-94-6a	006018-94-6a	146.71	L		7.600E+02	3.651E+02	2.510E-06	2.500E+01	2.510E-06	EPI Suite ACD Labs Physical Chemistry Suite
2068	2067	Nickel oxalate (solids)	6018-94-6b	006018-94-6b	182.75	S							PAC 27 Listing Table 1
2069	2068	Nickel oxide; (Nickel(II) oxide)	1313-99-1	001313-99-1	74.69	S	1.957E+03						PAC 27 Listing Table 1
2070	2069	Nickel perchlorate	13637-71-3	013637-71-3	365.685	S	140						PAC 27 Listing Table 1
2071	2070	Nickel sulfamate; (Nickel(II) sulfamate)	13770-89-3	013770-89-3	250.89	L		7.600E+02	7.932E+02	1.320E-17	2.500E+01	1.320E-17	EPI Suite Modified Grain Method
2072	2071	Nickel sulfate hexahydrate; (Nickel(II) sulfate hexahydrate)	10101-97-0	010101-97-0	262.89	S	103 loses water						PAC 27 Listing Table 1
2073	2072	Nickel sulfate; (Nickel(II) sulfate)	7786-81-4	007786-81-4	154.76	S	840 dec		1.030E+02				PAC 27 Listing Table 1
2074	2073	Nickel(2+) stearate	2223-95-2	002223-95-2	625.64	S							PAC 27 Listing Table 1
2075	2074	Nickel(II) bromide	13462-88-9	013462-88-9	218.417	S	9.630E+02						PAC 27 Listing Table 1
2076	2075	Nickel(II) carbonate (1:1)	3333-67-3	003333-67-3	118.72	S	dec						PAC 27 Listing Table 1
2077	2076	Nickel(II) chloride hexahydrate	7791-20-0	007791-20-0	237.73	S	subl		9.870E+02	1.000E+00	6.710E+02		PAC 27 Listing Table 1
2078	2077	Nickel(II) hydroxide; (Nickelous hydroxide)	12054-48-7	012054-48-7	92.71	S	230 dec						PAC 27 Listing Table 1
2079	2078	Nickel(II) nitrate hexahydrate	13478-00-7	013478-00-7	290.85	S	5.670E+01	7.600E+02	1.367E+02				PAC 27 Listing Table 1
2080	2079	Nickel(II) nitrate; (Nickelous nitrate)	13138-45-9	013138-45-9	182	S	5.670E+01		1.370E+02				PAC 27 Listing Table 1
2081	2080	Nickel(II) nitrite	17861-62-0	017861-62-0	150.7	S							PAC 27 Listing Table 1
2082	2081	Nickel(II) phosphate	10381-36-9	010381-36-9	366.01	S							PAC 27 Listing Table 1
2083	2082	Nickel(III) hydroxide; (Nickelic hydroxide)	12125-56-3	012125-56-3	109.74	S	230 dec						PAC 27 Listing Table 1
2084	2083	Nicotinamide	98-92-0	000098-92-0	122.14	S	129		157 @ 0.0005 mm	4.200E-04	2.500E+01		PAC 27 Listing Table 1
2085	2084	Nicotine sulfate	65-30-5	000065-30-5	418.56	S				1.000E-05	2.500E+01		PAC 27 Listing Table 1
2086	2085	Nicotine, dl-beta-; (DL-Nicotine)	22083-74-5	022083-74-5	417.48	S	-7.900E+01		2.470E+02	3.800E-02	2.500E+01		PAC 27 Listing Table 1
2087	2086	Nicotine; (Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-)	54-11-5	000054-11-5	162.26	L	-7.900E+01	7.600E+02	2.473E+02	3.800E-02	2.500E+01	3.800E-02	BOUBLIK,T ET AL. (1984)
2088	2087	Nicotinic acid; (Niacin)	59-67-6	000059-67-6	123.12	S	236		subl.				PAC 27 Listing Table 1
2089	2088	Niobium	7440-03-1	007440-03-1	92.1	S	2.468E+03		4.742E+03				PAC 27 Listing Table 1
2090	2089	Niobium chloride	10026-12-7	010026-12-7	270.16	S	204.7-209.5		2.500E+02				PAC 27 Listing Table 1
2091	2090	Niobium pentoxide; (Niobium(V) oxide)	1313-96-8	001313-96-8	265.82	S	1.512E+03						PAC 27 Listing Table 1
2092	2091	Niobium(IV) carbide	12069-94-2	012069-94-2	104.92	S	3.500E+03						PAC 27 Listing Table 1
2093	2092	Nitrapyrin; (2-Chloro-6-(trichloromethyl)pyridine)	1929-82-4	001929-82-4	230.9	S	62-63			3.000E-03	2.250E+01		PAC 27 Listing Table 1
2094	2093	Nitrate(s)	14797-55-8	014797-55-8	62.005	S							PAC 27 Listing Table 1
2095	2094	Nitric acid	7697-37-2	007697-37-2	63.01	L	-4.160E+01	7.600E+02	8.300E+01	7.500E+01	2.840E+01	6.313E+01	Estimated using data from PAC 27 Listing Table 1
2096	2095	Nitric acid, butyl ester; (Butyl nitrate)	928-45-0	000928-45-0	119.12	L		7.600E+02	1.360E+02	8.300E+00	2.500E+01	8.300E+00	HAUFF,K ET AL. (1998)
2097	2096	Nitric acid, ethyl ester; (Ethyl nitrate)	625-58-1	000625-58-1	91.08	L	-1.120E+02	7.600E+02	8.770E+01	6.400E+01	2.500E+01	6.400E+01	PAC 27 Listing Table 1
2098	2097	Nitric acid, pentyl ester; (Amyl nitrate)	1002-16-0	001002-16-0	133.17	L	-1.230E+02	7.600E+02	1.450E+02	5.070E+00	2.500E+01	5.070E+00	HAUFF,K ET AL. (1998)
2099	2098	Nitric oxide	10102-43-9	010102-43-9	30.01	G	-1.633E+02		-1.517E+02	7.500E+02	-1.519E+02		PAC 27 Listing Table 1
2100	2099	Nitrioltriacetic acid, disodium salt; (Disodium nitrioltriacetate)	15467-20-6	015467-20-6	235.12	S	>300						PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2101	2100	Nitriiotriacetic acid, trisodium salt, monohydrate	18662-53-8	018662-53-8	275.101	S	340						PAC 27 Listing Table 1
2102	2101	Nitriiotriacetic acid; (Aminotriacetic acid)	139-13-9	000139-13-9	191.16	S	2.420E+02		167 @ 13 mm				PAC 27 Listing Table 1
2103	2102	NitriIotris(methylene)trispophonic acid; (Amino, tris[methylene phosphonic acid])	6419-19-8	006419-19-8	299.07	L	-1.400E+01	7.600E+02	1.050E+02	6.860E-12	2.500E+01	6.860E-12	JAWORSKA, J ET AL. (2002)
2104	2103	Nitroaniline, 2-; (o-Nitroaniline)	88-74-4	000088-74-4	138.13	S	7.200E+01		2.845E+02	2.770E-03	2.500E+01		PAC 27 Listing Table 1
2105	2104	Nitroaniline, 3-; (m-Nitroaniline)	99-09-2	000099-09-2	138.13	S	1.140E+02		3.064E+02	3.620E-05	2.500E+01		PAC 27 Listing Table 1
2106	2105	Nitroaniline, p-	100-01-6	000100-01-6	138.12	S	1.475E+02		3.320E+02	7.5x10-3	8.780E+01		PAC 27 Listing Table 1
2107	2106	Nitrobenzene	98-95-3	000098-95-3	123.11	L	5.700E+00	7.600E+02	2.108E+02	2.450E-01	2.500E+01	2.450E-01	DAUBERT,TE & DANNER,RP (1985)
2108	2107	Nitrobenzenesulfonic acid, sodium salt, 3-	127-68-4	000127-68-4	225.16	S	3.500E+02						PAC 27 Listing Table 1
2109	2108	Nitrobiphenyl, 4-; (p-Nitrobiphenyl)	92-93-3	000092-93-3	199.21	S	1.140E+02		3.400E+02				PAC 27 Listing Table 1
2110	2109	Nitrochlorobenzene, m-; (1-Chloro-3-nitrobenzene; m-Chloronitrobenzene)	121-73-3	000121-73-3	157.56	S	4.600E+01		2.360E+02	9.700E-02	2.500E+01		PAC 27 Listing Table 1
2111	2110	Nitrocyclohexane	1122-60-7	001122-60-7	129.18	L	-3.400E+01	7.600E+02	2.055E+02	3.500E-01	2.500E+01	3.500E-01	PAC 27 Listing Table 1
2112	2111	Nitrocyclohexene, 1-; (1-Nitrocyclohex-1-ene)	2562-37-0	002562-37-0	127.1	L		7.600E+02	3.959E+02	1.120E-08	2.500E+01	1.120E-08	EPI Suite Modified Grain Method
2113	2112	Nitrodiphenylamine, 2-	119-75-5	000119-75-5	214.24	S	7.550E+01						PAC 27 Listing Table 1
2114	2113	Nitroethane	79-24-3	000079-24-3	75.08	L	-9.000E+01	7.600E+02	1.140E+02	2.084E+01	2.500E+01	2.084E+01	DAUBERT,TE & DANNER,RP (1996)
2115	2114	Nitrogen	7727-37-9	007727-37-9	28.02	G	-2.100E+02		-1.958E+02				PAC 27 Listing Table 1
2116	2115	Nitrogen dioxide	10102-44-0	010102-44-0	46.01	G	-9.300E+00		2.115E+01	9.080E+02	2.500E+01		PAC 27 Listing Table 1
2117	2116	Nitrogen mustard hydrochloride	55-86-7	000055-86-7	192.52	S	1.115E+02		87 @ 18mmHg				PAC 27 Listing Table 1
2118	2117	Nitrogen mustard; (Bis(b-chloroethyl)methylamine; Nitrogen mustard-2)	51-75-2	000051-75-2	156.05	L	-6.000E+01	1.800E+01	8.700E+01	1.700E-01	2.500E+01	1.700E-01	PAC 27 Listing Table 1
2119	2118	Nitrogen tetroxide	10544-72-6	010544-72-6	92.02	G	-1.120E+01		2.115E+01				PAC 27 Listing Table 1
2120	2119	Nitrogen trifluoride	7783-54-2	007783-54-2	71.01	G	-2.085E+02		-1.290E+02				PAC 27 Listing Table 1
2121	2120	Nitrogen trioxide; (Dinitrogen trioxide)	10544-73-7	010544-73-7	76.011	G	-1.011E+02		~ 3				PAC 27 Listing Table 1
2122	2121	Nitroglycerin	55-63-0	000055-63-0	227.09	L	1.350E+01	7.600E+02	2.180E+02	4.000E-04	2.500E+01	4.000E-04	KEMP,MD ET AL. (1957)
2123	2122	Nitromethane	75-52-5	000075-52-5	61.05	L	-2.900E+01	7.600E+02	1.010E+02	3.584E+01	2.500E+01	3.584E+01	DAUBERT,TE & DANNER,RP (1989)
2124	2123	Nitromethane-d3; (Trideuteronitromethane)	13031-32-8	013031-32-8	64.06	L	-2.900E+01	7.600E+02	1.000E+02	2.800E+01	2.500E+01	2.800E+01	ChemSpider Experimental Data
2125	2124	Nitro-m-xylene, 2-; (1,3-Dimethyl-2-nitrobenzene)	81-20-9	000081-20-9	151.18	S	15		2.260E+02				PAC 27 Listing Table 1
2126	2125	Nitronium Tetrafluoroborate	13826-86-3	013826-86-3	132.82	S							PAC 27 Listing Table 1
2127	2126	Nitrophenol (mixed isomers)	25154-55-6	025154-55-6	139.12	S							PAC 27 Listing Table 1
2128	2127	Nitrophenol, 2-; (o-Nitrophenol)	88-75-5	000088-75-5	139.12	S	4.500E+01		2.145E+02	1.000E+00	4.930E+01		PAC 27 Listing Table 1
2129	2128	Nitrophenol, 3-; (m-Nitrophenol)	554-84-7	000554-84-7	139.12	S	9.700E+01		194 @ 70 mm	1.000E-01	2.500E+01		PAC 27 Listing Table 1
2130	2129	Nitrophenol, 4-; (p-Nitrophenol)	100-02-7	000100-02-7	139.11	S	1.136E+02			7.5x10-3	7.260E+01		PAC 27 Listing Table 1
2131	2130	Nitropropane, 1-	108-03-2	000108-03-2	89.09	L	-1.080E+02	7.600E+02	1.311E+02	1.010E+01	2.500E+01	1.010E+01	DAUBERT,TE & DANNER,RP (1989)
2132	2131	Nitropropane, 2-	79-46-9	000079-46-9	89.09	L	-9.130E+01	7.600E+02	1.202E+02	1.721E+01	2.500E+01	1.721E+01	DAUBERT,TE & DANNER,RP (1987)
2133	2132	Nitropyrene, 1-	5522-43-0	005522-43-0	247.26	S	151-152						PAC 27 Listing Table 1
2134	2133	Nitropyridine-N-oxide, 4-; (Pyridine, 4-nitro, 1-oxide)	1124-33-0	001124-33-0	140.11	S	159-160						PAC 27 Listing Table 1
2135	2134	Nitrosodimethylamine	62-75-9	000062-75-9	74.08	L		7.600E+02	1.520E+02	2.700E+00	2.500E+01	2.700E+00	KLEIN,RG (1982)
2136	2135	Nitrosodiphenylamine, p-	156-10-5	000156-10-5	198.24	S	144-145						PAC 27 Listing Table 1
2137	2136	Nitrosodipropylamine; (DPNA)	621-64-7	000621-64-7	130.22	L	6.810E+00	7.600E+02	2.060E+02	3.890E-01	2.500E+01	3.890E-01	EPI Suite Mean VP of Antoine and Grain Methods
2138	2137	Nitrosomorpholine	59-89-2	000059-89-2	116.12	S	2.900E+01		2.250E+02				PAC 27 Listing Table 1
2139	2138	Nitroso-N-methylurea, N-	684-93-5	000684-93-5	103.08	S	123 dec						PAC 27 Listing Table 1
2140	2139	Nitrosophenol, p-	104-91-6	000104-91-6	123.11	S	144 dec						PAC 27 Listing Table 1
2141	2140	Nitrosotoluene, 2-; (o-Nitrosotoluene)	611-23-4	000611-23-4	121.15	S	7.250E+01						PAC 27 Listing Table 1
2142	2141	Nitrosyl chloride	2696-92-6	002696-92-6	65.46	G	-6.150E+01		-6.400E+00	>760			PAC 27 Listing Table 1
2143	2142	Nitrosylsulfuric acid	7782-78-7	007782-78-7	127.07	S	73.5 dec						PAC 27 Listing Table 1
2144	2143	Nitrotoluene, m-	99-08-1	000099-08-1	137.15	L	1.600E+01	7.600E+02	2.319E+02	2.700E-01	2.500E+01	2.700E-01	PAC 27 Listing Table 1
2145	2144	Nitrotoluene, o-	88-72-2	000088-72-2	137.15	L	-1.000E+01	7.600E+02	2.223E+02	1.882E-01	2.500E+01	1.882E-01	PERRY,RH & GREEN,D (1984)
2146	2145	Nitrotoluene, p-	99-99-0	000099-99-0	137.14	S	5.163E+01		2.383E+02	1.640E-01	2.500E+01		PAC 27 Listing Table 1
2147	2146	Nitrous acid	7782-77-6	007782-77-6	47.01	L	-9.440E+00	7.600E+02	2.111E+01	7.200E+02	2.500E+01	7.200E+02	ChemSpider Experimental Data (CDC NIOSH Pocket Guide)
2148	2147	Nitrous oxide	10024-97-2	010024-97-2	44.01	G	-9.080E+01		-8.848E+01	7.500E+02	-8.870E+01		PAC 27 Listing Table 1
2149	2148	Nonacosane	630-03-5	000630-03-5	408.793	S							PAC 27 Listing Table 1
2150	2149	Nonanal	124-19-6	000124-19-6	142.27	L		7.600E+02	1.900E+02	3.700E-01	2.500E+01	3.700E-01	DAUBERT,TE & DANNER,RP (1989)
2151	2150	Nonane; (Shellsol 140)	111-84-2	000111-84-2	128.26	L	-5.346E+01	7.600E+02	1.508E+02	4.450E+00	2.500E+01	4.450E+00	DAUBERT,TE & DANNER,RP (1989)
2152	2151	Nonanenitrile; (1-Octyl cyanide)	2243-27-8	002243-27-8	139.27	L	-3.420E+01	7.600E+02	2.244E+02	1.040E-01	2.500E+01	1.040E-01	EPI Suite Mean VP of Antoine and Grain Methods
2153	2152	Nonanoic acid	112-05-0	000112-05-0	158.27	L	1.200E+01	7.600E+02	2.540E+02	1.650E-03	2.500E+01	1.650E-03	PAC 27 Listing Table 1
2154	2153	Nonanone, 2-	821-55-6	000821-55-6	142.27	L	-9.000E+00	7.600E+02	1.940E+02	6.240E-01	2.500E+01	6.240E-01	OHE,S (1976)
2155	2154	Nonene, 1-	124-11-8	000124-11-8	126.24	L	-8.130E+01	7.600E+02	1.469E+02	5.400E+00	2.500E+01	5.400E+00	PAC 27 Listing Table 1
2156	2155	Nonoxynol-4	7311-27-5	007311-27-5	396.57	L		7.600E+02	4.754E+02	2.280E-11	2.500E+01	2.280E-11	EPI Suite Modified Grain Method
2157	2156	Nonyl alcohol	143-08-8	000143-08-8	144.29	L	-5.000E+00	7.600E+02	2.135E+02	2.270E-02	2.500E+01	2.270E-02	PAC 27 Listing Table 1
2158	2157	Nonyl phenol (mixed isomers)	25154-52-3	025154-52-3	220.35	L	-1.000E+01	7.600E+02	2.930E+02	2.360E-05	2.500E+01	2.360E-05	PAC 27 Listing Table 1
2159	2158	Nonyl phenol, 4- (branched)	84852-15-3	084852-15-3	220.39	L				9.420E-05	2.500E+01	9.420E-05	DAUBERT,TE & DANNER,RP (1989)
2160	2159	Nonyl phenol, p-	104-40-5	000104-40-5	220.35	L	4.200E+01	7.600E+02	2.950E+02	8.175E-04	2.500E+01	8.175E-04	BIDLEMAN,TF & RENBERG,L (1985)
2161	2160	Nonylphenol, 4-, branched, ethoxylated	127087-87-0	127087-87-0	396.63	L		7.600E+02	4.967E+02	3.650E-12	2.500E+01	3.650E-12	EPI Suite Modified Grain Method

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2162	2161	Nonylphenoxypolyethoxyethanol	68412-54-4	068412-54-4		S							PAC 27 Listing Table 1
2163	2162	Nonyltrichlorosilane	5283-67-0	005283-67-0	261.72	L	1.923E+01	7.600E+02	2.337E+02	6.400E-02	2.500E+01	6.400E-02	EPI Suite Mean VP of Antoine and Grain Methods
2164	2163	Norbormide	991-42-4	000991-42-4	511.61	S	190-198						PAC 27 Listing Table 1
2165	2164	Norchlorofluoroepibatidine	z-0034	00000z-0034		S							PAC 27 Listing Table 1
2166	2165	Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9-; (OCDD, Octachlorodibenzo-p-dioxin)	3268-87-9	003268-87-9	459.72	S	330-332			8.000E-13	2.500E+01		PAC 27 Listing Table 1
2167	2166	Octachlorodibenzofuran, 1,2,3,4,6,7,8,9-	39001-02-0	039001-02-0	443.72	S							PAC 27 Listing Table 1
2168	2167	Octachloronaphthalene	2234-13-1	002234-13-1	403.73	S	1.975E+02		441 @ 7mmHg	1.1x10-8	2.500E+01		PAC 27 Listing Table 1
2169	2168	Octacosane	630-02-4	000630-02-4	394.76852	S	57-62		4.400E+02	<1	2.000E+01		PAC 27 Listing Table 1
2170	2169	Octadecane, n-	593-45-3	000593-45-3	254.495	S	28.2		3.163E+02				PAC 27 Listing Table 1
2171	2170	Octadecanoic acid, n-; (Stearic acid)	57-11-4	000057-11-4	284.48	S	6.930E+01		350 dec	7.5x10-2	1.530E+02		PAC 27 Listing Table 1
2172	2171	Octadecanol, 1-	112-92-5	000112-92-5	270.56	S	5.800E+01		2.020E+02	2.600E-06	2.500E+01		PAC 27 Listing Table 1
2173	2172	Octadecenoic acid, 9-; (Oleic acid)	112-80-1	000112-80-1	282.52	L	1.630E+01	1.000E+02	2.860E+02	1.400E-06	2.500E+01	1.400E-06	PERRY,RH & GREEN,D (1984)
2174	2173	Octadecyl methacrylate	32360-05-7	032360-05-7	338.5726	L	1.800E+01	6.000E+00	1.950E+02	4.820E-06	2.500E+01	4.820E-06	EPI Suite Modified Grain Method
2175	2174	Octadecyltrichlorosilane	112-04-9	000112-04-9	387.99	L		1.300E+01	1.600E+02	5.000E+00	2.000E+01	5.254E+00	Estimated using data from PAC 27 Listing Table 1
2176	2175	Octafluorocyclobutane; (Cyclooctafluorobutane; Freon C-318)	115-25-3	000115-25-3	200.03	G	-4.140E+01		-6.040E+00				PAC 27 Listing Table 1
2177	2176	Octamethylcyclotetrasiloxane	556-67-2	000556-67-2	296.68	L	1.750E+01	7.600E+02	1.750E+02	1.050E+00	2.500E+01	1.050E+00	FLANINGAM,OL (1986)
2178	2177	Octamethyldiphosphoramide; (Octamethylpyrophosphoramide)	152-16-9	000152-16-9	286.3	L	2.000E+01	2.000E+00	1.540E+02	1.000E-03	2.500E+01	1.000E-03	PAC 27 Listing Table 1
2179	2178	Octanal, 1-; (Octanal; Octanaldehyde)	124-13-0	000124-13-0	128.24	L	-2.300E+01	7.600E+02	1.634E+02	1.180E+00	2.500E+01	1.180E+00	PAC 27 Listing Table 1
2180	2179	Octanamine, 1-	111-86-4	000111-86-4	129.28	L		7.600E+02	1.850E+02	9.690E-01	2.500E+01	9.690E-01	DAUBERT,TE & DANNER,RP (1989)
2181	2180	Octane, n-	111-65-9	000111-65-9	114.26	L		7.600E+02	1.258E+02	1.405E+01	2.500E+01	1.405E+01	YAWS,CL (1994)
2182	2181	Octanedione, 2,5-	3214-41-3	003214-41-3	142	L	6.000E+00	7.600E+02	2.039E+02	4.300E-01	2.500E+01	4.300E-01	EPI Suite Mean VP of Antoine and Grain Methods
2183	2182	Octanenitrile	124-12-9	000124-12-9	125.24	L	-4.560E+01	7.600E+02	2.052E+02	3.900E-01	2.500E+01	3.900E-01	RIDDICK,JA ET AL. (1986)
2184	2183	Octanethiol, 1-	111-88-6	000111-88-6	146.21	L	-4.920E+01	7.600E+02	1.981E+02	4.245E-01	2.500E+01	4.245E-01	PAC 27 Listing Table 1
2185	2184	Octanoic acid; (Caprylic acid)	124-07-2	000124-07-2	144.24	L	1.700E+01	7.600E+02	2.400E+02	3.710E-03	2.500E+01	3.710E-03	DAUBERT,TE & DANNER,RP (1995)
2186	2185	Octanol, 2-	123-96-6	000123-96-6	130.26	L	-3.160E+01	7.600E+02	1.793E+02	2.420E-01	2.500E+01	2.420E-01	PAC 27 Listing Table 1
2187	2186	Octanone, 2-	111-13-7	000111-13-7	128.24	L	-1.600E+01	7.600E+02	1.725E+02	1.350E+00	2.500E+01	1.350E+00	RIDDICK,JA ET AL. (1986)
2188	2187	Octaphenylcyclotetrasiloxane	546-56-5	000546-56-5	793.24	S	200.5		3.300E+02				PAC 27 Listing Table 1
2189	2188	Octene, 1-	111-66-0	000111-66-0	112.22	L	-1.017E+02	7.600E+02	1.212E+02	1.740E+01	2.500E+01	1.740E+01	PAC 27 Listing Table 1
2190	2189	Octyl alcohol; (n-Octanol)	111-87-5	000111-87-5	130.28	L	-1.670E+01	7.600E+02	1.945E+02	7.940E-02	2.500E+01	7.940E-02	DAUBERT,TE & DANNER,RP (1989)
2191	2190	Octyl mercaptan, t-	141-59-3	000141-59-3	146.32	L		7.600E+02	1.540E+02	5.200E+00	2.500E+01	5.200E+00	PAC 27 Listing Table 1
2192	2191	Octyl(phenyl)-N,N-diisobutylcarbamoymethylphosphine oxide	83242-95-9	083242-95-9	210.3182	S							PAC 27 Listing Table 1
2193	2192	Octyltrichlorosilane	5283-66-9	005283-66-9	246.69	L	8.120E+00	7.600E+02	2.320E+02	7.040E-02	2.500E+01	7.040E-02	EPI Suite Mean VP of Antoine and Grain Methods
2194	2193	Oil gas; (Oil fog)	z-0035	00000z-0035	11.9	G							PAC 27 Listing Table 1
2195	2194	Oleum; (fuming Sulfuric acid)	8014-95-7	008014-95-7	178.14	L	1.031E+01	7.600E+02	2.900E+02	5.930E-05	2.500E+01	5.930E-05	EPI Suite Experimental Data
2196	2195	Organorhodium complex	z-0036	00000z-0036	300	S							PAC 27 Listing Table 1
2197	2196	Orthoformic acid, trimethyl ester; (Trimethyl orthoformate)	149-73-5	000149-73-5	106.14	L	1.500E+01	8.429E+01	1.006E+02	3.660E+01	2.500E+01	3.660E+01	EPI Suite Mean VP of Antoine and Grain Methods
2198	2197	Osmium	7440-04-2	007440-04-2	190.2	S	3033		5.012E+03				PAC 27 Listing Table 1
2199	2198	Osmium tetroxide	20816-12-0	020816-12-0	254.23	S	4.060E+01		1.312E+02	1.100E+01	2.700E+01		PAC 27 Listing Table 1
2200	2199	Otto Fuel (mainly Propylene glycol dinitrate 6423-43-4)	106602-80-6	106602-80-6	170	L	-2.770E+01			8.770E-02	2.500E+01	8.770E-02	Data; CDC Toxicological Profile for OTTO Fuel II and Its Components, JUN1995
2201	2200	Quabain	630-60-4	000630-60-4	584.73	S	1.900E+02						PAC 27 Listing Table 1
2202	2201	Oxalic acid dihydrate	6153-56-6	006153-56-6	126.1	S	1.895E+02		dec	5.400E-01	1.050E+02		PAC 27 Listing Table 1
2203	2202	Oxalic acid, anhydrous; (Ethanedioic acid)	144-62-7	000144-62-7	90.04	S	189.5 dec		157 subl	5.400E-01	1.050E+02		PAC 27 Listing Table 1
2204	2203	Oxalyl chlorine	79-37-8	000079-37-8	126.93	L	-1.600E+01	7.600E+02	6.350E+01	1.840E+02	2.500E+01	1.840E+02	EPI Suite Mean VP of Antoine and Grain Methods
2205	2204	Oxamide	471-46-5	000471-46-5	88.08	S	350 dec		419 dec				PAC 27 Listing Table 1
2206	2205	Oxamyl	23135-22-0	023135-22-0	219.29	S	100-102		3.100E+02	2.300E-04	2.500E+01		PAC 27 Listing Table 1
2207	2206	Oxathiane, 1,4-	15980-15-1	015980-15-1	104.18	L	-1.700E+01	7.600E+02	1.487E+02	4.610E+00	2.500E+01	4.610E+00	EPI Suite Mean VP of Antoine and Grain Methods
2208	2207	Oxirane, ethenyl-; (3,4-Epoxy-1-butene)	930-22-3	000930-22-3	70.1	L	-1.350E+02	7.600E+02	6.700E+01	1.540E+02	2.500E+01	1.540E+02	EPI Suite Mean VP of Antoine and Grain Methods
2209	2208	Oxone, monopersulfate compound	37222-66-5	037222-66-5		S							PAC 27 Listing Table 1
2210	2209	Oxybis(N,N-dimethylethanamine), 2,2'-; (Bis(2-dimethylaminoethyl) ether; DMAEE)	3033-62-3	003033-62-3	160.2588	L	-5.780E+00	1.500E+01	8.000E+01	7.480E-01	2.500E+01	7.480E-01	EPI Suite Mean VP of Antoine and Grain Methods
2211	2210	Oxydiacetic acid; (Oxodiactic acid)	110-99-6	000110-99-6	134.09	S	1.480E+02		dec				PAC 27 Listing Table 1
2212	2211	Oxydiethylenedicarbonic acid, diallyl ester	142-22-3	000142-22-3	274.3	L	-4.000E+00	7.600E+02	1.620E+02	6.460E-05	2.500E+01	6.460E-05	EPI Suite Modified Grain Method
2213	2212	Oxydiphenoxarsine, 10,10'-; (Phenoxarsine oxide)	58-36-6	000058-36-6	502.24	S	184-185		380 dec	1.000E-05	2.500E+01		PAC 27 Listing Table 1
2214	2213	Oxydisulfoton	2497-07-6	002497-07-6	290.42	L		7.600E+02	3.300E+02	3.500E-03	2.500E+01	3.500E-03	PAC 27 Listing Table 1
2215	2214	Oxygen difluoride; (Fluorine monoxide)	7783-41-7	007783-41-7	54	G	-2.238E+02		-1.448E+02	7.600E+02	-1.446E+02		PAC 27 Listing Table 1
2216	2215	Ozone	10028-15-6	010028-15-6	48	G	-1.930E+02		-1.114E+02	7.500E+02	-1.115E+02		PAC 27 Listing Table 1
2217	2216	Palladium	7440-05-3	007440-05-3	106.42	S	1.555E+03		2.963E+03	7.5x10-3	1.448E+03		PAC 27 Listing Table 1
2218	2217	Palladium chloride	7647-10-1	007647-10-1	177.33	S	678-680						PAC 27 Listing Table 1
2219	2218	Palladium hydroxide	12135-22-7	012135-22-7	140.43468	S							PAC 27 Listing Table 1
2220	2219	Palladium nitrate	10102-05-3	010102-05-3	230.42	S	dec.						PAC 27 Listing Table 1
2221	2220	Palladium oxide	1314-08-5	001314-08-5	122.42	S	750 dec.						PAC 27 Listing Table 1
2222	2221	Paraffin waxes, petroleum, clay-treated, reaction products with petroleum white mineral oil, stearic acid and triethanolamine	71808-29-2	071808-29-2		S	1.150E+02		3.600E+02				PAC 27 Listing Table 1
2223	2222	Paraffin, n-	8002-74-2	008002-74-2		S	47-65						PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2224	2223	Paraffins, petroleum, normal C5-C20	64771-72-8	064771-72-8	189	S			225-243	2.580E+01	3.800E+01		PAC 27 Listing Table 1
2225	2224	Paraformaldehyde	30525-89-4	030525-89-4		S	1.550E+02		decomp				PAC 27 Listing Table 1
2226	2225	Paraldehyde	123-63-7	000123-63-7	132.16	L	1.260E+01	7.600E+02	1.243E+02	1.103E+01	2.500E+01	1.103E+01	DAUBERT,TE & DANNER,RP (1989)
2227	2226	Paraquat	4685-14-7	004685-14-7	186.25	S			175-180 dec	~0	2.000E+01		PAC 27 Listing Table 1
2228	2227	Paraquat dichloride	1910-42-5	001910-42-5	257.16	S	300 dec						PAC 27 Listing Table 1
2229	2228	Paraquat methosulfate; (Paraquat dimethyl sulphate)	2074-50-2	002074-50-2	408.48	S	3.000E+02			1.000E-07	2.500E+01		PAC 27 Listing Table 1
2230	2229	Parathion	56-38-2	000056-38-2	291.26	L	6.100E+00	7.600E+02	3.750E+02	6.680E-06	2.500E+01	6.680E-06	TOMLIN,C (1997)
2231	2230	Paris Green; (Cupric acetoarsenite)	12002-03-8	012002-03-8	1013.78	S				1.000E-05	2.500E+01		PAC 27 Listing Table 1
2232	2231	Particulate material (PNOS)	z-0037	00000z-0037		S							PAC 27 Listing Table 1
2233	2232	PBX (mixture of HMX and nitrocellulose [CTN])	z-0038	00000z-0038	450	S							PAC 27 Listing Table 1
2234	2233	Pentaborane	19624-22-7	019624-22-7	63.14	L	-4.660E+01	7.600E+02	6.000E+01	1.700E+02	2.500E+01	1.700E+02	PAC 27 Listing Table 1
2235	2234	Pentachlorobenzene	608-93-5	000608-93-5	250.34	S	8.600E+01		2.770E+02	6.500E-03	2.500E+01		PAC 27 Listing Table 1
2236	2235	Pentachlorodibenzofuran, 1,2,3,7,8-	57117-41-6	057117-41-6	340.4	S							PAC 27 Listing Table 1
2237	2236	Pentachlorodibenzofuran, 2,3,4,7,8-	57117-31-4	057117-31-4	340.4	S	196-196.5			2.63x10-9	2.500E+01		PAC 27 Listing Table 1
2238	2237	Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	040321-76-4	356.4	S	240-241						PAC 27 Listing Table 1
2239	2238	Pentachloroethane	76-01-7	000076-01-7	202.29	L	-2.878E+01	7.600E+02	1.620E+02	3.500E+00	2.500E+01	3.500E+00	ENGINEERING SCIENCES DATA UNIT (1976)
2240	2239	Pentachloronitrobenzene	82-68-8	000082-68-8	295.34	S	1.440E+02		328 dec	5x10-5	2.000E+01		PAC 27 Listing Table 1
2241	2240	Pentachlorophenol	87-86-5	000087-86-5	266.34	S	1.740E+02		310 dec	1.10x10-4	2.500E+01		PAC 27 Listing Table 1
2242	2241	Pentadecafluorooctanoic acid	335-67-1	000335-67-1	414.09	S	55-56		1.890E+02	1.500E-01	2.000E+01		PAC 27 Listing Table 1
2243	2242	Pentadecane	629-62-9	000629-62-9	212.47	L	9.900E+00	7.600E+02	2.706E+02	3.430E-03	2.500E+01	3.430E-03	DAUBERT,TE & DANNER,RP (1989)
2244	2243	Pentadecanoic acid	1002-84-2	001002-84-2	242.45	S	5.300E+01		257 @ 100 MM				PAC 27 Listing Table 1
2245	2244	Pentadecylamine	2570-26-5	002570-26-5	227.49	S	3.650E+01		3.076E+02	3.000E-04	2.500E+01		PAC 27 Listing Table 1
2246	2245	Pentaerythritol	115-77-5	000115-77-5	136.17	S	2.620E+02						PAC 27 Listing Table 1
2247	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	095823-35-1	1001.3772	S							PAC 27 Listing Table 1
2248	2247	Pentaerythritol tetranitrate	78-11-5	000078-11-5	316.17	S	138-140		205-215 expl				PAC 27 Listing Table 1
2249	2248	Pentafluorobenzoic acid	602-94-8	000602-94-8	212.08	S	107		2.200E+02				PAC 27 Listing Table 1
2250	2249	Pentafluoropropane, 1,1,1,3,3-	460-73-1	000460-73-1	134.06	G			1.530E+01	9.350E+02	2.000E+01		PAC 27 Listing Table 1
2251	2250	Pentane, n-	109-66-0	000109-66-0	72.17	L	-1.298E+02	7.600E+02	3.610E+01	5.140E+02	2.500E+01	5.140E+02	DAUBERT,TE & DANNER,RP (1989)
2252	2251	Pentanediol, 1,5-	111-29-5	000111-29-5	104.17	L	-1.800E+01	7.600E+02	2.390E+02	3.900E-03	2.500E+01	3.900E-03	DAUBERT,TE & DANNER,RP (1989)
2253	2252	Pentanedione, 2,4-; (Acetylacetone)	123-54-6	000123-54-6	100.13	L	-2.320E+01	7.600E+02	1.390E+02	2.960E+00	2.500E+01	2.960E+00	DAUBERT,TE & DANNER,RP (1989)
2254	2253	Pentanenitrile	110-59-8	000110-59-8	83.15	L	-9.620E+01	7.600E+02	1.413E+02	7.300E+00	2.500E+01	7.300E+00	DAUBERT,TE & DANNER,RP (1989)
2255	2254	Pentanol, 2-; (sec-Amyl alcohol; Methyl propyl carbinol; Isoamyl alcohol, secondary)	6032-29-7	006032-29-7	88.17	L	-5.000E+01	7.600E+02	1.193E+02	6.110E+00	2.500E+01	6.110E+00	YAWS,CL (1994A)
2256	2255	Pentanone, 2-; (Methyl propyl ketone)	107-87-9	000107-87-9	86.15	L		7.600E+02	1.020E+02	3.540E+01	2.500E+01	3.540E+01	RIDDICK,JA ET AL. (1986)
2257	2256	Pentanone, 3-; (Diethyl ketone)	96-22-0	000096-22-0	86.15	L	-4.200E+01	7.600E+02	1.010E+02	3.771E+01	2.500E+01	3.771E+01	DAUBERT,TE & DANNER,RP (1989)
2258	2257	Pentatriacontane	630-07-9	000630-07-9	492.9538	S							PAC 27 Listing Table 1
2259	2258	Pentene, 1-	109-67-1	000109-67-1	70.13	L	-1.652E+02	7.600E+02	2.990E+01	6.350E+02	2.500E+01	6.350E+02	PAC 27 Listing Table 1
2260	2259	Pentobarbital sodium; (Nembutal sodium)	57-33-0	000057-33-0	249.3	L	1.300E+02	7.600E+02	7.436E+02	1.070E-15	2.500E+01	1.070E-15	EPI Suite Modified Grain Method
2261	2260	Pentyl alcohol, tert-; (tert-Amyl alcohol)	75-85-4	000075-85-4	88.17	L	-11.9	7.600E+02	1.018E+02	1.680E+01	2.500E+01	1.680E+01	PAC 27 Listing Table 1
2262	2261	Peptone; (Hydrolyzed protein, Tryptones)	73049-73-7	073049-73-7		S							PAC 27 Listing Table 1
2263	2262	Peracetic acid	79-21-0	000079-21-0	76.06	L	1.000E-01	7.600E+02	1.050E+02	1.446E+01	2.500E+01	1.446E+01	DAUBERT,TE & DANNER,RP (1989)
2264	2263	Perboric acid, sodium salt	7632-04-4	007632-04-4	82.81	S	60 dec						PAC 27 Listing Table 1
2265	2264	Perchloric acid	7601-90-3	007601-90-3	100.46	L	-1.120E+02	7.600E+02	9.000E+01	5.550E-12	2.500E+01	5.550E-12	EPI Suite Modified Grain Method
2266	2265	Perchloric acid, zinc salt, hexahydrate	10025-64-6	010025-64-6	372.39	S	105-107		200 dec				PAC 27 Listing Table 1
2267	2266	Perchloroethylene; (Tetrachloroethylene)	127-18-4	000127-18-4	165.83	L	-2.230E+01	7.600E+02	1.213E+02	1.850E+01	2.500E+01	1.850E+01	RIDDICK,JA ET AL. (1986)
2268	2267	Perchloromethyl mercaptan	594-42-3	000594-42-3	185.89	L		7.600E+02	1.490E+02	3.000E+00	2.500E+01	3.000E+00	WEBER,RC ET AL. (1981)
2269	2268	Perchloryl fluoride; (Chlorine oxyfluoride)	7616-94-6	007616-94-6	102.45	G	-1.460E+02		-4.680E+01	8.944E+03	2.500E+01		PAC 27 Listing Table 1
2270	2269	Percoll	65455-52-9	065455-52-9		L				1.000E-05	2.500E+01	1.000E-05	Colloidal souldion of material having negligible VP at 25°C. VP of 1E-05 assigned for calculation purposes.
2271	2270	Perfluoro compounds, C5-C18; (Fluorinert electronic liquid perfluoro compounds)	86508-42-1	086508-42-1	332.42	L		7.600E+02	1.020E+02	3.100E+01	2.000E+01	3.962E+01	Estimated using data from PAC 27 Listing Table 1
2272	2271	Perfluoroalkylether polymer; (Capped homopolymers of hexafluoropropylene epoxide, Fluorine End-)	60164-51-4	060164-51-4		S							PAC 27 Listing Table 1
2273	2272	Perfluoroisobutylene; (Octafluoro-sec-butene)	382-21-8	000382-21-8	200.03	G	-1.300E+02		7.000E+00	2.56x10+3	2.500E+01		PAC 27 Listing Table 1
2274	2273	Perfluoropolyether; (1,1,2,3,3,3-Hexafluoro-1-propene, oxidized, polymerized; Vacuum pump oil)	69991-67-9	069991-67-9		L		5.000E+00	2.700E+02	1.000E+00	2.000E+01	1.060E+00	Estimated using data from PAC 27 Listing Table 1
2275	2274	Periodic acid	10450-60-9	010450-60-9	227.9404	S							Solid material per MSDS
2276	2275	Periodic acid, sodium salt	7790-28-5	007790-28-5	213.89	S	300		dec				PAC 27 Listing Table 1
2277	2276	Perlite; (Fused NaKAl silicate, < 1% quartz)	93763-70-3	093763-70-3		S							PAC 27 Listing Table 1
2278	2277	Permafluor E+	z-0039	00000z-0039		L	-5.000E+01	7.600E+02	1.500E+02	5.000E+00	2.500E+01	5.000E+00	PAC 27 Listing Table 1
2279	2278	Permafluor-V (85+% toluene)	z-0040	00000z-0040	85	L	-5.000E+01	7.600E+02	1.500E+02	5.000E+00	2.000E+01	6.578E+00	VP estimated from MSDS Data, Packard OCT1994
2280	2279	Peroxydicarbonic acid, disodium salt	3313-92-6	003313-92-6	168.02	S							PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2281	2280	Petrolatum	8009-03-8	008009-03-8		S	38-54						PAC 27 Listing Table 1
2282	2281	Petroleum 50 thinner; (Paint thinner)	z-0041	00000z-0041	130	L	-2.970E+01	7.600E+02	1.741E+02	1.430E+00	2.500E+01	1.430E+00	EPI Suite Experimental Data - as CAS 8052-41-3, Stoddard Solvent
2283	2282	Petroleum asphalt	8052-42-4b	008052-42-4b		S			>700°F	0.018 lb/sq in	2.100E+02		PAC 27 Listing Table 1
2284	2283	Petroleum coke, calcined	64743-05-1	064743-05-1		S							PAC 27 Listing Table 1
2285	2284	Petroleum distillates, clay-treated light naphthenic	64742-45-6	064742-45-6		L	-2.970E+01	7.600E+02	1.741E+02	1.430E+00	2.500E+01	1.430E+00	EPI Suite Experimental Data - as CAS 8052-41-3, Stoddard Solvent
2286	2285	Petroleum distillates, low boiling	68477-31-6	068477-31-6	99	L	-1.000E+01	7.600E+02	2.590E+02	4.670E+00	2.500E+01	4.670E+00	VP of 4.67 mmHg at 25°C assigned based upon MSDS data (DOW 6/1/2001)
2287	2286	Petroleum distillates; (Petroleum crude oil)	8002-05-9	008002-05-9	310.61	L		7.600E+02	3.686E+02	1.280E-06	2.500E+01	1.280E-06	EPI Suite Experimental Data, MW corrected
2288	2287	Petroleum mineral oil; (Extracts, petroleum, middle distillate solvent)	64742-06-9	064742-06-9	128.18	L	5.010E+00	7.600E+02	1.500E+02	4.040E-02	2.500E+01	4.040E-02	EPI Suite Modified Grain Method
2289	2288	Petroleum spirits; (Mineral spirits; Soltrol)	64475-85-0	064475-85-0	97.26	L		7.600E+02	9.890E+01	1.146E+02	3.780E+01	6.992E+01	VP estimated from MSDS Data, Chevron Phillips FEB2011
2290	2289	Petroleum spirits; (VM & P Naphtha, Ligroine, Paint solvent)	8032-32-4	008032-32-4	111.73	L	-7.300E+01	7.600E+02	4.000E+01	1.480E+01	2.500E+01	1.480E+01	EPI Suite Mean VP of Antoine and Grain Methods
2291	2290	Phenacetin; (p-Acetophenetidine)	62-44-2	000062-44-2	179.22	S	1.340E+02		242-245	6.29x10-7	2.500E+01		PAC 27 Listing Table 1
2292	2291	Phenaglycodol; (Ultrán; 2-p-Chlorophenyl-3-methyl-2,3-butanediol)	79-93-6	000079-93-6	214.71	S							PAC 27 Listing Table 1
2293	2292	Phenanthrene	85-01-8	000085-01-8	178.23	S	9.924E+01		3.400E+02	7.5x10-3	5.300E+01		PAC 27 Listing Table 1
2294	2293	Phenanthroline ferrous sulfate, 1,10-	14634-91-4	014634-91-4	692.5562	S							PAC 27 Listing Table 1
2295	2294	Phenanthroline, 1,10-	66-71-7	000066-71-7	180.22	S	93-94						PAC 27 Listing Table 1
2296	2295	Phenol	108-95-2	000108-95-2	94.11	S	4.089E+01		1.819E+02	7.500E-01	3.410E+01		PAC 27 Listing Table 1
2297	2296	Phenol red, sodium salt	34487-61-1	034487-61-1	376.36	S	285						PAC 27 Listing Table 1
2298	2297	Phenol, polymer with formaldehyde, oxiranylmethyl ether	28064-14-4	028064-14-4		L		7.600E+02	2.450E+02	2.000E+01	2.000E+01	2.302E+01	Estimated using data from PAC 27 Listing Table 1
2299	2298	Phenolphthalein	77-09-8	000077-09-8	318.34	S	258-262						PAC 27 Listing Table 1
2300	2299	Phenoxyethanol, 2-; (Phenyl cellosolve)	122-99-6	000122-99-6	138.18	L	1.400E+01	7.600E+02	2.420E+02	3.000E-02	2.500E+01	3.000E-02	PAC 27 Listing Table 1
2301	2300	Phenyl Chloroformate; (Carbonylchloridic acid, phenyl ester)	1885-14-9	001885-14-9	156.57	L		7.600E+02	1.870E+02	5.640E-01	2.500E+01	5.640E-01	DAMLE,SB (1993)
2302	2301	Phenyl dichloroarsine; (Dichlorophenylarsine)	696-28-6	000696-28-6	222.93	L	-1.560E+01	7.600E+02	2.544E+02	1.130E-01	2.500E+01	1.130E-01	OHE,S (1976)
2303	2302	Phenyl ether; (Diphenyl ether)	101-84-8	000101-84-8	170.22	S	37-39		2.590E+02				PAC 27 Listing Table 1
2304	2303	Phenyl isocyanate	103-71-9	000103-71-9	119.13	L	-3.000E+01	7.600E+02	1.580E+02	2.570E+00	2.500E+01	2.570E+00	DAUBERT,TE & DANNER,RP (1989)
2305	2304	Phenyl sepharose cl-4b	69106-59-8	069106-59-8		S							PAC 27 Listing Table 1
2306	2305	Phenyl-1,2-propanedione, 1-	579-07-7	000579-07-7	148.16	L	2.000E+01	7.600E+02	2.220E+02	1.180E-01	2.500E+01	1.180E-01	EPI Suite Mean VP of Antoine and Grain Methods
2307	2306	Phenyl-2-oxazoline, 2-	7127-19-7	007127-19-7	147.17	L	1.200E+01	7.600E+02	2.430E+02	3.060E-02	2.500E+01	3.060E-02	ChemSpider EPI Suite Modified Grain Method
2308	2307	Phenyl-2-propanol, 2-; (Dimethylphenylmethanol)	617-94-7	000617-94-7	136.21	S	35-37		2.020E+02	5.200E-01	3.700E+01		PAC 27 Listing Table 1
2309	2308	Phenylacetylene; (Ethylnylbenzene)	536-74-3	000536-74-3	102.14	L	-4.500E+01	7.600E+02	1.420E+02	2.060E+00	2.500E+01	2.060E+00	PATTE,F ET AL. (1982)
2310	2309	Phenylazo)aniline, p-(	60-09-3	000060-09-3	197.26	S	1.260E+02		3.600E+02				PAC 27 Listing Table 1
2311	2310	Phenylboric acid; (Benzenboronic acid)	98-80-6	000098-80-6	121.94	S	2.160E+02						PAC 27 Listing Table 1
2312	2311	Phenylcyclohexane; (Cyclohexylbenzene)	827-52-1	000827-52-1	160.28	L	7.000E+00	7.600E+02	2.400E+02	3.990E-02	2.500E+01	3.990E-02	DAUBERT,TE & DANNER,RP (1989)
2313	2312	Phenylene diisocyanate, 1,4-	104-49-4	000104-49-4	160.14	S							PAC 27 Listing Table 1
2314	2313	Phenylenediamine dihydrochloride, 1,2-	615-28-1	000615-28-1	181.06	L		7.600E+02	2.500E+02	1.490E-02	2.500E+01	1.490E-02	ChemSpider ACD Labs Physical Chemistry Suite
2315	2314	Phenylenediamine dihydrochloride, 1,4-	624-18-0	000624-18-0	181.06	S							PAC 27 Listing Table 1
2316	2315	Phenylenediamine, 1,2-; (o-Phenylenediamine)	95-54-5	000095-54-5	108.16	S	1.040E+02		2.570E+02				PAC 27 Listing Table 1
2317	2316	Phenylenediamine, 1,3-; (m-Phenylenediamine)	108-45-2	000108-45-2	108.16	S	6.500E+01		2.870E+02	1.000E+00	9.980E+01		PAC 27 Listing Table 1
2318	2317	Phenylenediamine, p-	106-50-3	000106-50-3	108.14	S	1.411E+02		2.670E+02	<1	2.100E+01		PAC 27 Listing Table 1
2319	2318	Phenylhydrazine	100-63-0	000100-63-0	108.16	L	1.960E+01	7.600E+02	2.435E+02	2.600E-02	2.500E+01	2.600E-02	PAC 27 Listing Table 1
2320	2319	Phenylhydrazine hydrochloride	59-88-1	000059-88-1	144.62	S	250-254		decom				PAC 27 Listing Table 1
2321	2320	Phenylmagnesium bromide	100-58-3	000100-58-3	181.31	S							PAC 27 Listing Table 1
2322	2321	Phenylmercury acetate; (Acetoxyphenylmercury)	62-38-4	000062-38-4	336.74	S	1.530E+02			6.0x10-6	2.000E+01		PAC 27 Listing Table 1
2323	2322	Phenylphenol, 2-	90-43-7	000090-43-7	170.21	S	5.750E+01		2.860E+02	2.0x10-3	2.500E+01		PAC 27 Listing Table 1
2324	2323	Phenylphosphine	638-21-1	000638-21-1	110.1	L		7.600E+02	1.600E+02	3.094E+00	2.500E+01	3.094E+00	ChemSpider ACD Labs Physical Chemistry Suite
2325	2324	Phenylpropanolamine hydrochloride; (Propadrine hydrochloride)	154-41-6	000154-41-6	187.69	S	194						PAC 27 Listing Table 1
2326	2325	Phenylsilatrane	2097-19-0	002097-19-0	251.39	S	208-209		3.500E+02	1.000E-05	2.500E+01		PAC 27 Listing Table 1
2327	2326	Phenylthiourea; (1-Phenyl-2-thiourea)	103-85-5	000103-85-5	152.22	S	1.540E+02						PAC 27 Listing Table 1
2328	2327	Phenyltriethoxysilane	780-69-8	000780-69-8	240.41	L		7.600E+02	2.320E+02	1.000E+00	2.000E+01	1.304E+00	Experimental Data, Synquest Labs MSDS
2329	2328	Phenyltrimethoxysilane	2996-92-1	002996-92-1	198.32	L	-2.500E+01	2.000E+01	1.100E+02	7.290E-02	2.500E+01	7.290E-02	ChemSpider EPI Suite Mean VP of Antoine and Grain Methods
2330	2329	Phenylxyllylethane; (PXE)	6196-95-8	006196-95-8	210.32	L		7.600E+02	3.059E+02	6.380E-04	2.500E+01	6.380E-04	EPI Suite Modified Grain Method
2331	2330	Phloroglucinol dihydrate	6099-90-7	006099-90-7	162.16	S	217						PAC 27 Listing Table 1
2332	2331	Phorate	298-02-2	000298-02-2	260.39	L	-4.290E+01	7.600E+02	2.900E+02	8.400E-04	2.500E+01	8.400E-04	PAC 27 Listing Table 1
2333	2332	Phosacetim	4104-14-7	004104-14-7	375.22	S	104-106		4.000E+02	1.000E-04	2.500E+01		PAC 27 Listing Table 1
2334	2333	Phosfolan	947-02-4	000947-02-4	255.31	S	3.950E+01		4.100E+02	1.000E-04	2.500E+01		PAC 27 Listing Table 1
2335	2334	Phosgene	75-44-5	000075-44-5	98.92	G	-1.278E+02		8.000E+00	7.500E+02	7.200E+00		PAC 27 Listing Table 1
2336	2335	Phosgene oxime	1794-86-1	001794-86-1	113.9	S			53-54°C	1.120E+01	2.500E+01		PAC 27 Listing Table 1
2337	2336	Phosmet	732-11-6	000732-11-6	317.33	S	7.190E+01		dec	5.400E-04	2.500E+01		PAC 27 Listing Table 1
2338	2337	Phosphamidon; (Famfos)	13171-21-6	013171-21-6	299.72	L	-4.500E+01	7.600E+02	3.500E+02	2.500E-05	2.500E+01	2.500E-05	PAC 27 Listing Table 1
2339	2338	Phosphine	7803-51-2	007803-51-2	34	G	-1.338E+02		-8.775E+01	7.500E+02	-8.800E+01		PAC 27 Listing Table 1
2340	2339	Phosphomolybdic acid	11104-88-4	011104-88-4	159.92046	S							PAC 27 Listing Table 1
2341	2340	Phosphonic acid	13598-36-2	013598-36-2	82	S	73.8						PAC 27 Listing Table 1

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	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2342	2341	Phosphonic acid, dioctadecyl ester	19047-85-9	019047-85-9	585.95538	S							PAC 27 Listing Table 1
2343	2342	Phosphonic acid, methyl-, mono(1-methylethyl) ester; (Isopropyl methylphosphonic acid)	1832-54-8	001832-54-8	138.10286	L	-8.120E+00	7.600E+02	2.296E+02	1.190E-02	2.500E+01	1.190E-02	EPI Suite Mean VP of Antoine and Grain Methods
2344	2343	Phosphonic acid, tridodecyl ester	3076-63-9	003076-63-9	587.08	S							PAC 27 Listing Table 1
2345	2344	Phosphonoacetic acid	4408-78-0	004408-78-0	140.04	S							Solid per experimental data,
2346	2345	Phosphoric acid	7664-38-2	007664-38-2	98	L	4.240E+01	7.600E+02	4.070E+02	2.850E-02	2.000E+01	3.849E-02	Estimated using data from PAC 27 Listing Table 1
2347	2346	Phosphoric acid, dimethyl-p-(methylthio)phenyl ester	3254-63-5	003254-63-5	248.25	L		7.600E+02		1.000E-03	2.500E+01	1.000E-03	PAC 27 Listing Table 1
2348	2347	Phosphorous acid, o-; (Phosphonic acid)	10294-56-1	010294-56-1	81.99566	S							PAC 27 Listing Table 1
2349	2348	Phosphorous pentafluoride	7647-19-0	007647-19-0	125.97	G	-8.300E+01		-7.500E+01				PAC 27 Listing Table 1
2350	2349	Phosphorous trifluoride	7783-55-3	007783-55-3	87.97	G	-1.520E+02		-1.020E+02				PAC 27 Listing Table 1
2351	2350	Phosphorus (red)	7723-14-0	007723-14-0	30.97	S	4.415E+01		2.805E+02	7.5x10-2	3.400E+01		PAC 27 Listing Table 1
2352	2351	Phosphorus (yellow); (White phosphorus)	12185-10-3	012185-10-3	123.88	S	4.410E+01		2.800E+02	3.000E-02			PAC 27 Listing Table 1
2353	2352	Phosphorus oxychloride	10025-87-3	010025-87-3	153.32	L	1.200E+00	7.600E+02	1.051E+02	4.000E+01	2.730E+01	3.582E+01	Estimated using data from PAC 27 Listing Table 1
2354	2353	Phosphorus pentachloride	10026-13-8	010026-13-8	208.22	S	148 dec under press		160 subl	1.000E+00	5.550E+01		PAC 27 Listing Table 1
2355	2354	Phosphorus pentasulfide	1314-80-3	001314-80-3	222.24	S	286-290		5.140E+02				PAC 27 Listing Table 1
2356	2355	Phosphorus pentoxide	1314-56-3	001314-56-3	141.95	S	5.620E+02		6.050E+02	7.5x10-3	2.850E+02		PAC 27 Listing Table 1
2357	2356	Phosphorus trichloride	7719-12-2	007719-12-2	137.32	L	-1.118E+02	7.600E+02	7.600E+01	1.200E+02	2.500E+01	1.200E+02	DAUBERT,TE & DANNER,RP (1989)
2358	2357	Phosphorus trioxide	1314-24-5	001314-24-5	110	S	2.380E+01		1.731E+02				PAC 27 Listing Table 1
2359	2358	Phthalic acid	88-99-3	000088-99-3	166.14	S	210 dec		1.550E+02				PAC 27 Listing Table 1
2360	2359	Phthalic acid, benzyl butyl ester; (Benzyl butyl phthalate)	85-68-7	000085-68-7	312.39	L	-3.500E+01	7.600E+02	3.700E+02	8.250E-06	2.500E+01	8.250E-06	HOWARD,PH ET AL. (1985)
2361	2360	Phthalic anhydride	85-44-9	000085-44-9	148.12	S	1.308E+02		2.950E+02	7.5x10-3	4.820E+01		PAC 27 Listing Table 1
2362	2361	Phthaloyl dichloride; (Phthaloyl chloride)	88-95-9	000088-95-9	203.02	L	1.550E+01	7.600E+02	2.811E+02	1.623E-02	2.500E+01	1.623E-02	PERRY,RH & GREEN,D (1984)
2363	2362	Phyllomedusin	26145-48-2	026145-48-2	1171.3792	S							PAC 27 Listing Table 1
2364	2363	Physostigmine	57-47-6	000057-47-6	275.39	S	86-87			1.000E-05	2.500E+01		PAC 27 Listing Table 1
2365	2364	Physostigmine salicylate (1:1)	57-64-7	000057-64-7	413.52	S	184-186		dec	1.000E-05	2.500E+01		PAC 27 Listing Table 1
2366	2365	Picolinic acid; (2-Pyridinecarboxylic acid)	98-98-6	000098-98-6	123.12	S	1.365E+02		subl				PAC 27 Listing Table 1
2367	2366	Picric acid	88-89-1	000088-89-1	229.1	S	1.225E+02		>300 expl	7.5x10-7	2.500E+01		PAC 27 Listing Table 1
2368	2367	Picrotoxin	124-87-8	000124-87-8	602.64	S	203-204			1.000E-05	2.500E+01		PAC 27 Listing Table 1
2369	2368	Pigment green 36	14302-13-7	014302-13-7	1393.9	S							PAC 27 Listing Table 1
2370	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	005102-83-0	685.66	S							PAC 27 Listing Table 1
2371	2370	Pigment yellow 14	5468-75-7	005468-75-7	657.6	S							PAC 27 Listing Table 1
2372	2371	Pigment yellow 36; (Zinc chromate)	13530-65-9	013530-65-9	181.37	S	3.160E+02						PAC 27 Listing Table 1
2373	2372	Pinacolone; (3,3-Dimethyl-2-butanone)	75-97-8	000075-97-8	100.18	L	-5.250E+01	7.600E+02	1.061E+02	3.150E+01	2.500E+01	3.150E+01	PAC 27 Listing Table 1
2374	2373	Pinacetyl alcohol; (tert-Butyl methyl carbinol)	464-07-3	000464-07-3	102.2	L	-6.000E+01	7.600E+02	1.430E+02	2.450E+00	2.500E+01	2.450E+00	ChemSpider EPI Suite Experimental Data
2375	2374	Piperazine	110-85-0	000110-85-0	86.16	S	1.060E+02		1.460E+02				PAC 27 Listing Table 1
2376	2375	Piperidine	110-89-4	000110-89-4	85.17	L	-9.000E+00	7.600E+02	1.060E+02	3.212E+01	2.500E+01	3.212E+01	YAWS,CL (1994)
2377	2376	Piperonyl butoxide	51-03-6	000051-03-6	338.44	L		1.000E+00	1.800E+02	5.220E-06	2.500E+01	5.220E-06	ChemSpider EPI Suite Modified Grain Method
2378	2377	Pirimifos-ethyl	23505-41-1	023505-41-1	333.43	L	1.500E+01	7.600E+02	1.300E+02	2.900E-04	2.500E+01	2.900E-04	PAC 27 Listing Table 1
2379	2378	Pivalic anhydride; (Trimethylacetic anhydride)	1538-75-6	001538-75-6	186.2504	L		7.600E+02	1.930E+02	4.400E-01	2.500E+01	4.400E-01	STEELE,WV ET AL (2002B)
2380	2379	Platinum	7440-06-4	007440-06-4	195.09	S	1.772E+03		3.827E+03				PAC 27 Listing Table 1
2381	2380	Platinum cyanide	592-06-3	000592-06-3	247.1	S							PAC 27 Listing Table 1
2382	2381	Poly alpha olefin; (Synthetic hydrocarbon mixture, PAO; Hydrogenated trimer and tetramer of decene)	68649-12-7	068649-12-7		L		7.600E+02	4.010E+02	1.000E+00	2.000E+01	1.218E+00	Estimated using data from PAC 27 Listing Table 1
2383	2382	Poly(1-(2-oxo-1-pyrrolidinyl)ethylene)iodine complex; (Iodine solutions)	25655-41-8	025655-41-8	364.95	L	1.700E+01	7.600E+02	1.180E+02	1.320E-01	2.500E+01	1.320E-01	ChemSpider ACD Labs Physical Chemistry Suite
2384	2383	Poly(1-vinyl-2-pyrrolidinone) homopolymer; (Polyvinylpyrrolidone; Plasdone)	9003-39-8	009003-39-8		S	1.650E+02						PAC 27 Listing Table 1
2385	2384	Poly(acrylamide-co-diallyldimethylammonium chloride)	26590-05-6	026590-05-6		S							PAC 27 Listing Table 1
2386	2385	Poly(dimethylsiloxane), ethoxylated, dihydroxy terminated; (Silicon oil polymer)	68037-63-8	068037-63-8	1300	S			1.500E+02				PAC 27 Listing Table 1
2387	2386	Poly(dimethylsiloxane), hydride terminated	70900-21-9	070900-21-9		S							PAC 27 Listing Table 1
2388	2387	Poly(dimethylsiloxane), vinyl dimethylsiloxo terminated	68083-19-2	068083-19-2	334.71	L	-1.609E+01	7.600E+02	2.213E+02	1.230E-01	2.500E+01	1.230E-01	EPI Suite Mean VP of Antoine and Grain Methods
2389	2388	Poly(divinylbenzene); (Diethenylbenzene homopolymer)	9003-69-4	009003-69-4		S							PAC 27 Listing Table 1
2390	2389	Poly(ethylene glycol methyl ether)	9004-74-4	009004-74-4	350	S							PAC 27 Listing Table 1
2391	2390	Poly(ethylene glycol)diacrylate	26570-48-9	026570-48-9		S							PAC 27 Listing Table 1
2392	2391	Poly(melamine-co-formaldehyde), methylated	68002-20-0	068002-20-0	511	S							PAC 27 Listing Table 1
2393	2392	Poly(oxy-1,2-ethanediyl), alpha-(4-octylphenyl)-omega-hydroxy-; (Polyethylene glycol mono(p-octylphenol)ether)	26636-32-8	026636-32-8		S							PAC 27 Listing Table 1
2394	2393	Poly(oxyethylene)(2) stearyl ether	9005-00-9	009005-00-9		S	40-45						PAC 27 Listing Table 1
2395	2394	Poly(styrene-co-divinylbenzene); (Dowex Optipore V-502)	69011-14-9	069011-14-9	312.4	S							PAC 27 Listing Table 1
2396	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	039423-51-3		S							PAC 27 Listing Table 1
2397	2396	Polyamide 6; (Capron; Poly(iminocarbonylpentamethylene))	25038-54-4	025038-54-4		S	2.230E+02						PAC 27 Listing Table 1
2398	2397	Polybutyl acrylate	9003-49-0	009003-49-0		S							PAC 27 Listing Table 1
2399	2398	Polychlorinated biphenyl (Aroclor 1016); (Chlorodiphenyl (41% Cl))	12674-11-2	012674-11-2		L		7.600E+02	3.400E+02	4.000E-04	2.500E+01	4.000E-04	MABEY,WR ET AL. (1981)

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2400	2399	Polychlorinated biphenyl (Aroclor 1016/1242): (Chlorodiphenyl (37% Cl))	z-0042	00000z-0042		L		7.600E+02	3.400E+02	8.000E-04	2.500E+01	8.000E-04	Encyclopedia of Environmental Science and Engineering, Vol. 2 (converted from Pa)
2401	2400	Polychlorinated biphenyl (Aroclor 1221): (Chlorodiphenyl (21% Cl))	11104-28-2	011104-28-2	192	L	1.000E+00	7.600E+02	3.400E+02	6.700E-03	2.500E+01	6.700E-03	PAC 27 Listing Table 1
2402	2401	Polychlorinated biphenyl (Aroclor 1232): (Chlorodiphenyl (32% Cl))	11141-16-5	011141-16-5		L		7.600E+02	3.400E+02	4.060E-03	2.500E+01	4.060E-03	MABEY,WR ET AL. (1981)
2403	2402	Polychlorinated biphenyl (Aroclor 1242): (Chlorodiphenyl (42% Cl))	53469-21-9	053469-21-9	261	L	-1.889E+01	7.600E+02	3.250E+02	1.300E-03	2.500E+01	1.300E-03	PAC 27 Listing Table 1
2404	2403	Polychlorinated biphenyl (Aroclor 1248): (Chlorodiphenyl (48% Cl))	12672-29-6	012672-29-6		L		7.600E+02	3.400E+02	4.940E-04	2.500E+01	4.940E-04	CALLAHAN,MA ET AL. (1979)
2405	2404	Polychlorinated biphenyl (Aroclor 1254): (Chlorodiphenyl (54% Cl))	11097-69-1	011097-69-1	327	L		7.600E+02	3.650E+02	7.710E-05	2.500E+01	7.710E-05	PAC 27 Listing Table 1
2406	2405	Polychlorinated biphenyl (Aroclor 1260): (Chlorodiphenyl (60% Cl))	11096-82-5	011096-82-5		S			340-375				PAC 27 Listing Table 1
2407	2406	Polychlorinated biphenyl (Aroclor 1260/1262): (Chlorodiphenyl (61% Cl))	z-0043	00000z-0043		S			340-375				PAC 27 Listing Table 1
2408	2407	Polychlorinated biphenyl (Aroclor 1262): (Chlorodiphenyl (62% Cl))	37324-23-5	037324-23-5		S			340-375				PAC 27 Listing Table 1
2409	2408	Polychlorinated biphenyl (Aroclor 1268): (Chlorodiphenyl (68% Cl))	11100-14-4	011100-14-4		S			340-375				PAC 27 Listing Table 1
2410	2409	Polychlorinated biphenyl; (Aroclor; PCBs)	1336-36-3	001336-36-3	291.98 - 360.86	S	340-375		340-375	varies			PAC 27 Listing Table 1
2411	2410	Polysiloxane; (Dimethylpolysiloxane)	9016-00-6	009016-00-6	462.95	L	3.957E+01	7.600E+02	1.490E+02	3.670E-04	2.500E+01	3.670E-04	EPI Suite Modified Grain Method
2412	2411	Polyether polyol ester	z-0112	00000z-0112	3000	S							Polymeric solid
2413	2412	Polyethylbenzene residue; (Dowtherm Q)	68987-42-8	068987-42-8	190	L	-4.000E+01	7.600E+02	2.670E+02	1.490E-02	2.500E+01	1.490E-02	PAC 27 Listing Table 1
2414	2413	Polyethylene	9002-88-4	009002-88-4	1500 - 100000	S	2.400E+02			negligible	2.500E+01		PAC 27 Listing Table 1
2415	2414	Polyethylene glycol	25322-68-3	025322-68-3		S	4-8						PAC 27 Listing Table 1
2416	2415	Polyethylene glycol 20M	37225-26-6	037225-26-6	187.12	L		7.600E+02	4.007E+02	1.730E-08	2.500E+01	1.730E-08	EPI Suite Modified Grain Method
2417	2416	Polyethylene glycol dimethacrylate	25852-47-5	025852-47-5		S							PAC 27 Listing Table 1
2418	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	009082-00-2	614.82	L	-2.500E+01	7.600E+02	6.156E+02	5.710E-18	2.500E+01	5.710E-18	EPI Suite Modified Grain Method
2419	2418	Polyisocyanate prepolymer (based on MDI)	z-0115	00000z-0115		S							PAC 27 Listing Table 1
2420	2419	Polymaleic acid; (2-Butenedioic acid (2Z)-, homopolymer)	26099-09-2	026099-09-2		S							PAC 27 Listing Table 1
2421	2420	Polymerized linseed oil	67746-08-1	067746-08-1		L	0.000E+00	7.600E+02	3.000E+02	3.000E+00	2.500E+01	3.000E+00	VP estimated from MSDS bounding values
2422	2421	Polymethylene polyphenyl isocyanate; (Polymeric diphenylmethane diisocyanate)	9016-87-9	009016-87-9		L		5.000E+00	2.100E+02	1.000E-05	2.500E+01	1.000E-05	PAC 27 Listing Table 1
2423	2422	Polymethylhydrosiloxane; (Methyl hydrogen polysiloxane)	63148-57-2	063148-57-2	254.5898	L	-6.346E+01	7.600E+02	2.292E+02	8.150E-02	2.500E+01	8.150E-02	EPI Suite Mean VP of Antoine and Grain Methods
2424	2423	Polymethylmethacrylate; (Lucite)	9011-14-7	009011-14-7		S							PAC 27 Listing Table 1
2425	2424	Polyoxyalkyleneamine; (Poly(oxypropylene)diamine)	9046-10-0	009046-10-0	422.61	L		7.600E+02	4.309E+02	5.210E-08	2.500E+01	5.210E-08	EPI Suite Modified Grain Method
2426	2425	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	009005-64-5	1227.72	S	-1.000E+01		>100				PAC 27 Listing Table 1
2427	2426	Polyoxyethylene monoocetylphenyl ether	9036-19-5	009036-19-5	426.6	L		7.600E+02	4.759E+02	1.790E-11	2.500E+01	1.790E-11	EPI Suite Modified Grain Method
2428	2427	Polyoxyethylene sorbitan monopalmitate; (Tween 40)	9005-66-7	009005-66-7	1283.84	L		7.600E+02	1.048E+03	1.650E-34	2.500E+01	1.650E-34	EPI Suite Modified Grain Method
2429	2428	Polyphosphoric acid	8017-16-1	008017-16-1	257.96	L	2.100E+01	7.600E+02	3.000E+02	2.060E-11	2.500E+01	2.060E-11	EPI Suite Modified Grain Method
2430	2429	Polypropylene	9003-07-0	009003-07-0		S	1.650E+02						PAC 27 Listing Table 1
2431	2430	Polypropylene glycol, (chloromethyl) oxirane polymer	9072-62-2	009072-62-2		S							PAC 27 Listing Table 1
2432	2431	Polypropylene glycol, polytetramethylene glycol, 1,3-diisocyanatomethylbenzene polymer	65636-36-4	065636-36-4		S							PAC 27 Listing Table 1
2433	2432	Polypropylene glycols	25322-69-4	025322-69-4		S							PAC 27 Listing Table 1
2434	2433	Polypropylene-polyethylene glycol; (Pluronic L-81)	9003-11-6	009003-11-6	528.69	L		7.600E+02	5.491E+02	8.890E-15	2.500E+01	8.890E-15	EPI Suite Modified Grain Method
2435	2434	Polysorbate 85; (Tween 85)	9005-70-3	009005-70-3	1177.79	L	-2.890E+01	7.600E+02	2.000E+02	9.060E-34	2.500E+01	9.060E-34	EPI Suite Modified Grain Method
2436	2435	Polystyrene resin; (Styrene polymer)	9003-53-6	009003-53-6		S							PAC 27 Listing Table 1
2437	2436	Polysulfone resin	25135-51-7	025135-51-7		S							PAC 27 Listing Table 1
2438	2437	Polytetrafluoroethylene; (Teflon)	9002-84-0	009002-84-0		S	3.420E+02						PAC 27 Listing Table 1
2439	2438	Polyurethane foam; (Urethane polymers)	9009-54-5	009009-54-5		S							PAC 27 Listing Table 1
2440	2439	Polyurethane prepolymer of MDI and PEP	68092-58-0	068092-58-0		L		7.600E+02	3.793E+02	5.920E-06	2.500E+01	5.920E-06	ACD Labs Physical Chemistry Suite
2441	2440	Polyvinyl alcohol	9002-89-5	009002-89-5		S	>200		~340				PAC 27 Listing Table 1
2442	2441	Polyvinyl chloride	9002-86-2	009002-86-2	60000 - 150000	S							PAC 27 Listing Table 1
2443	2442	Potassium	7440-09-7	007440-09-7	39.1	S	6.350E+01		7.590E+02	7.5x10-3	2.002E+02		PAC 27 Listing Table 1
2444	2443	Potassium acetate	127-08-2	000127-08-2	98.15	S	2.920E+02						PAC 27 Listing Table 1
2445	2444	Potassium acid fluoride	7789-29-9	007789-29-9	78.11	S	238.8 dec						PAC 27 Listing Table 1
2446	2445	Potassium aluminate	12003-63-3	012003-63-3	98.07	S							PAC 27 Listing Table 1
2447	2446	Potassium aluminite	z-0044	00000z-0044	134.1	S							PAC 27 Listing Table 1
2448	2447	Potassium aluminosilicate	1327-44-2	001327-44-2	158.162939	S							PAC 27 Listing Table 1
2449	2448	Potassium antimonate; (Antimony potassium oxide)	29638-69-5	029638-69-5	511.89	S							PAC 27 Listing Table 1
2450	2449	Potassium antimonate; (Potassium hexahydroxyantimonate)	12208-13-8	012208-13-8	262.89	S							PAC 27 Listing Table 1
2451	2450	Potassium antimonite	z-0045	00000z-0045	228.88	S							PAC 27 Listing Table 1
2452	2451	Potassium argentate	z-0046	00000z-0046	180.97	S							PAC 27 Listing Table 1
2453	2452	Potassium arsenate; (Monopotassium arsenate)	7784-41-0	007784-41-0	180.04	S	2.880E+02						PAC 27 Listing Table 1
2454	2453	Potassium arsenite; (Arsenous acid, potassium salt)	13464-35-2	013464-35-2	146.02	S							PAC 27 Listing Table 1
2455	2454	Potassium beryllium oxide	z-0047	00000z-0047	144.2	S							PAC 27 Listing Table 1
2456	2455	Potassium bicarbonate	298-14-6	000298-14-6	100.106	S	~100 dec						PAC 27 Listing Table 1
2457	2456	Potassium bi-iodate	13455-24-8	013455-24-8	389.9033	S							PAC 27 Listing Table 1
2458	2457	Potassium bismuthate	12589-75-2	012589-75-2	316.1	S							PAC 27 Listing Table 1

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1													
2459	2458	Potassium bisulfate	7646-93-7	007646-93-7	136.17	S	2.140E+02						PAC 27 Listing Table 1
2460	2459	Potassium bromate	7758-01-2	007758-01-2	167.01	S	3.500E+02						PAC 27 Listing Table 1
2461	2460	Potassium bromide	7758-02-3	007758-02-3	119.01	S	7.300E+02		1.435E+03	1.000E+00	7.950E+02		PAC 27 Listing Table 1
2462	2461	Potassium cadminate	z-0048	00000z-0048	258.62	S							PAC 27 Listing Table 1
2463	2462	Potassium carbonate	584-08-7	000584-08-7	138.21	S	8.990E+02		dec				PAC 27 Listing Table 1
2464	2463	Potassium chlorate	3811-04-9	003811-04-9	122.55	S	3.560E+02		400 dec				PAC 27 Listing Table 1
2465	2464	Potassium chloride	7447-40-7	007447-40-7	74.55	S	7.710E+02		1500 subl				PAC 27 Listing Table 1
2466	2465	Potassium chromate(VI)	7789-00-6	007789-00-6	194.19	S	9.740E+02			0.000E+00	no temp		PAC 27 Listing Table 1
2467	2466	Potassium citrate	866-84-2	000866-84-2	306.41	S	230 dec						PAC 27 Listing Table 1
2468	2467	Potassium citrate, monohydrate	6100-05-6	006100-05-6	324.3865	S							PAC 27 Listing Table 1
2469	2468	Potassium columbate; (Potassium niobate)	12030-85-2	012030-85-2	1174.26	S							PAC 27 Listing Table 1
2470	2469	Potassium cyanide	151-50-8	000151-50-8	65.12	S	6.340E+02						PAC 27 Listing Table 1
2471	2470	Potassium dichromate	7778-50-9	007778-50-9	294.19	S	3.980E+02		~ 500 dec				PAC 27 Listing Table 1
2472	2471	Potassium dideuterium phosphate	13761-79-0	013761-79-0	139.11	S							PAC 27 Listing Table 1
2473	2472	Potassium ferricyanide	13746-66-2	013746-66-2	329.27	S	70 loses water		dec				PAC 27 Listing Table 1
2474	2473	Potassium ferrocyanide; (Tetrapotassium hexacyanoferrate)	13943-58-3	013943-58-3	368.37	S							PAC 27 Listing Table 1
2475	2474	Potassium fluoride	7789-23-3	007789-23-3	58.1	S	8.580E+02		1.502E+03	7.500E-01	8.690E+02		PAC 27 Listing Table 1
2476	2475	Potassium fluoride dihydrate	13455-21-5	013455-21-5	94.14	S	4.100E+01		1.560E+02				PAC 27 Listing Table 1
2477	2476	Potassium formate	590-29-4	000590-29-4	84.12	S	1.680E+02		dec				PAC 27 Listing Table 1
2478	2477	Potassium glycolate	1932-50-9	001932-50-9	114.1283	S							PAC 27 Listing Table 1
2479	2478	Potassium gold cyanide	554-07-4	000554-07-4	288.09965	S							PAC 27 Listing Table 1
2480	2479	Potassium hexacyanoferrate(II) trihydrate; (Potassium ferricyanide trihydrate)	14459-95-1	014459-95-1	422.39	S	60 dec						PAC 27 Listing Table 1
2481	2480	Potassium hexafluorosilicate; (Silicate(2-), hexafluoro-, dipotassium)	16871-90-2	016871-90-2	220.29	S	dec						PAC 27 Listing Table 1
2482	2481	Potassium hydride	7693-26-7	007693-26-7	40.11	S							PAC 27 Listing Table 1
2483	2482	Potassium hydrogen lead oxide	z-0049	00000z-0049	279.3	S							PAC 27 Listing Table 1
2484	2483	Potassium hydrogen metasilicate	z-0051	00000z-0051	116.181	S							PAC 27 Listing Table 1
2485	2484	Potassium hydrogen pyrophosphate	z-0050	00000z-0050	291.21	S							PAC 27 Listing Table 1
2486	2485	Potassium hydroxide	1310-58-3	001310-58-3	56.11	S	4.060E+02		1.327E+03	7.5x10-3	5.200E+02		PAC 27 Listing Table 1
2487	2486	Potassium iminodiacetate; (Potassium IDA)	z-0052	00000z-0052	209	S							PAC 27 Listing Table 1
2488	2487	Potassium iodate	7758-05-6	007758-05-6	214	S	5.600E+02						PAC 27 Listing Table 1
2489	2488	Potassium iodide	7681-11-0	007681-11-0	166	S	6.810E+02		1.330E+03	1.000E+00	7.450E+02		PAC 27 Listing Table 1
2490	2489	Potassium lanthanate	z-0053	00000z-0053	246.02	S							PAC 27 Listing Table 1
2491	2490	Potassium metaarsenite; (Potassium arsenite)	10124-50-2	010124-50-2	399.65	S							PAC 27 Listing Table 1
2492	2491	Potassium metaborate	13709-94-9	013709-94-9	82.92	S							PAC 27 Listing Table 1
2493	2492	Potassium molybdate	13446-49-6	013446-49-6	238.14	S	9.190E+02						PAC 27 Listing Table 1
2494	2493	Potassium nickel oxide (liquids); (Nickel potassium oxide)	50811-97-7	050811-97-7	168.8888	L				1.000E-05	2.500E+01	1.000E-05	Hazardous component of aqueous solution has negligible VP. A VP of 1E-05 at 25°C is assigned for calulation purposes
2495	2494	Potassium nickelate (liquids)	z-0055	00000z-0055	204.9	L				1.000E-05	2.500E+01	1.000E-05	Hazardous component of aqueous solution has negligible VP. A VP of 1E-05 at 25°C is assigned for calulation purposes
2496	2495	Potassium nickelate (solids)	z-0056	00000z-0056	204.9	S							PAC 27 Listing Table 1
2497	2496	Potassium nitrate	7757-79-1	007757-79-1	101.1	S	3.340E+02		400 dec				PAC 27 Listing Table 1
2498	2497	Potassium nitrioltriacetate; (Potassium NTA)	2399-85-1	002399-85-1	305.43	S							PAC 27 Listing Table 1
2499	2498	Potassium nitrite	7758-09-0	007758-09-0	85.11	S	4.400E+02		1000 expl				PAC 27 Listing Table 1
2500	2499	Potassium orthovanadate	14293-78-8	014293-78-8	232	S							PAC 27 Listing Table 1
2501	2500	Potassium oxalate	583-52-8	000583-52-8	168.24	S							PAC 27 Listing Table 1
2502	2501	Potassium oxalate monohydrate	6487-48-5	006487-48-5	184.231	S	1.600E+02						PAC 27 Listing Table 1
2503	2502	Potassium oxide	12136-45-7	012136-45-7	94.1794	S							PAC 27 Listing Table 1
2504	2503	Potassium perchlorate	7778-74-7	007778-74-7	138.55	S	400 dec						PAC 27 Listing Table 1
2505	2504	Potassium periodate	7790-21-8	007790-21-8	230.01	S	582						PAC 27 Listing Table 1
2506	2505	Potassium permanganate	7722-64-7	007722-64-7	158.03	S	dec						PAC 27 Listing Table 1
2507	2506	Potassium peroxymonosulfate; (Peroxymonosulfuric acid, monopotassium salt)	10058-23-8	010058-23-8	152.17	S							PAC 27 Listing Table 1
2508	2507	Potassium persulfate; (Dipotassium persulfate)	7727-21-1	007727-21-1	272.34	S	100 dec						PAC 27 Listing Table 1
2509	2508	Potassium phosphate dibasic trihydrate	16788-57-1	016788-57-1	228.2256	S							PAC 27 Listing Table 1
2510	2509	Potassium phosphate, dibasic	7758-11-4	007758-11-4	174.18	S							PAC 27 Listing Table 1
2511	2510	Potassium phosphate, monobasic	7778-77-0	007778-77-0	136.09	S							PAC 27 Listing Table 1
2512	2511	Potassium phosphate, tribasic	7778-53-2	007778-53-2	212.27	S							PAC 27 Listing Table 1
2513	2512	Potassium phosphide	20770-41-6	020770-41-6	148.24376	S							PAC 27 Listing Table 1
2514	2513	Potassium pyrophosphate; (Tetrapotassium diphosphorate)	7320-34-5	007320-34-5	330.24	S	1.800E+02		3.000E+02				PAC 27 Listing Table 1
2515	2514	Potassium pyrosulfate; (Disulfuric acid, dipotassium salt)	7790-62-7	007790-62-7	256.32	S							PAC 27 Listing Table 1
2516	2515	Potassium pyrosulfite; (Potassium metabisulfite)	16731-55-8	016731-55-8	22.32	S	150 decom						PAC 27 Listing Table 1
2517	2516	Potassium selenate	7790-59-2	007790-59-2	221.1376	S	1.000E+03						PAC 27 Listing Table 1
2518	2517	Potassium selenite	10431-47-7	010431-47-7	205.16	S							PAC 27 Listing Table 1
2519	2518	Potassium silicate; (Silicic acid, potassium salt)	1312-76-1	001312-76-1		S	1.015E+03						PAC 27 Listing Table 1
2520	2519	Potassium silver cyanide	506-61-6	000506-61-6	199.01	S				1.000E-05	2.500E+01		PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2521	2520	Potassium stannate	12142-33-5	012142-33-5	244.9048	S							PAC 27 Listing Table 1
2522	2521	Potassium strontium phosphate	53201-92-6	053201-92-6	221.68	S							PAC 27 Listing Table 1
2523	2522	Potassium sulfate (2:1); (Dipotassium sulfate)	7778-80-5	007778-80-5	174.26	S	1.067E+03		1.689E+03				PAC 27 Listing Table 1
2524	2523	Potassium sulfite	10117-38-1	010117-38-1	158.26	S							PAC 27 Listing Table 1
2525	2524	Potassium tellurate	15571-91-2	015571-91-2	269.78	S							PAC 27 Listing Table 1
2526	2525	Potassium tellurite	7790-58-1	007790-58-1	253.7782	S							PAC 27 Listing Table 1
2527	2526	Potassium tetrafluoroborate(1-)	14075-53-7	014075-53-7	125.91	S	570						PAC 27 Listing Table 1
2528	2527	Potassium tetraphenylborate	3244-41-5	003244-41-5	358.31	S							PAC 27 Listing Table 1
2529	2528	Potassium thiocyanate	333-20-0	000333-20-0	97.18	S	1.730E+02		500 dec				PAC 27 Listing Table 1
2530	2529	Potassium trihydrogen silicate	z-0058	00000z-0058	134.196	S							PAC 27 Listing Table 1
2531	2530	Potassium tungstate (liquids)	7790-60-5a	007790-60-5a	326.03	S	9.210E+02						PAC 27 Listing Table 1
2532	2531	Potassium tungstate (solids)	7790-60-5b	007790-60-5b	326.03	S	9.210E+02						PAC 27 Listing Table 1
2533	2532	Potassium uranyl carbonate	z-0059	00000z-0059	468.2427	S							PAC 27 Listing Table 1
2534	2533	Potassium zirconate; (Potassium zirconium oxide; Dipotassium zirconate)	12030-98-7	012030-98-7	217.41	S							PAC 27 Listing Table 1
2535	2534	Potassium-tert-butoxide; (tert-Butyl alcohol, potassium derivitave)	865-47-4	000865-47-4	112.2	S			257 dec	1.300E-01	2.200E+02		PAC 27 Listing Table 1
2536	2535	Praseodymium	7440-10-0	007440-10-0	140.9077	S	935		3.512E+03				PAC 27 Listing Table 1
2537	2536	Praseodymium nitrate	10361-80-5	010361-80-5	326.92	S							PAC 27 Listing Table 1
2538	2537	Praseodymium oxide	12036-32-7	012036-32-7	329.8136	S	2.300E+03						PAC 27 Listing Table 1
2539	2538	Praseodymium(III,IV) oxide	12037-29-5	012037-29-5	1021.4396	S							PAC 27 Listing Table 1
2540	2539	Promecarb; (m-Cym-5-yl methylcarbamate)	2631-37-0	002631-37-0	207.3	S	87-88		3.450E+02	3.000E-05	2.500E+01		PAC 27 Listing Table 1
2541	2540	Propanamine, 1-; (Propylamine)	107-10-8	000107-10-8	59.3	L	-8.300E+01	7.600E+02	4.800E+01	3.100E+02	2.500E+01	3.100E+02	DAUBERT,TE & DANNER,RP (1995)
2542	2541	Propane	74-98-6	000074-98-6	44.1	G	-1.876E+02		-4.210E+01	7.500E+02	-4.230E+01		PAC 27 Listing Table 1
2543	2542	Propane sultone, 1,3-	1120-71-4	001120-71-4	122.14	S	3.100E+01		180 @ 0.039 atm				PAC 27 Listing Table 1
2544	2543	Propanediamine, 1,2-	78-90-0	000078-90-0	74.15	L		7.600E+02	1.189E+02	1.061E+01	2.500E+01	1.061E+01	DAUBERT,TE & DANNER,RP (1989)
2545	2544	Propanediamine, 1,3-	109-76-2	000109-76-2	74.15	L	-1.200E+01	7.600E+02	1.350E+02	6.410E+00	2.500E+01	6.410E+00	EPI Suite Mean VP of Antoine and Grain Methods
2546	2545	Propanedinitrile; (Malononitrile)	109-77-3	000109-77-3	66.07	L	3.050E+01	7.600E+02	2.200E+02	2.004E-01	2.500E+01	2.004E-01	DAUBERT,TE & DANNER,RP (1989)
2547	2546	Propanediol, 1,3-	504-63-2	000504-63-2	76.11	L		7.600E+02	2.100E+02	4.410E-02	2.500E+01	4.410E-02	DAUBERT,TE & DANNER,RP (1989)
2548	2547	Propanediol, 2,2-dimethyl-1,3-	126-30-7	000126-30-7	104.17	S	129		2.060E+02				PAC 27 Listing Table 1
2549	2548	Propanethiol; (n-Propylmercaptan)	107-03-9	000107-03-9	76.17	L	-1.133E+02	7.600E+02	6.700E+01	1.542E+02	2.500E+01	1.542E+02	PAC 27 Listing Table 1
2550	2549	Propanol, zirconium(4+) salt, 1-	23519-77-9	023519-77-9	327.5708	S							PAC 27 Listing Table 1
2551	2550	Propargyl alcohol	107-19-7	000107-19-7	56.06	L	-5.180E+01	7.600E+02	1.136E+02	1.560E+01	2.500E+01	1.560E+01	PAC 27 Listing Table 1
2552	2551	Propargyl bromide	106-96-7	000106-96-7	118.97	L	-6.107E+01	7.600E+02	8.800E+01	6.740E+01	2.500E+01	6.740E+01	EPI Suite Mean VP of Antoine and Grain Methods
2553	2552	Propiolactone, b-	57-57-8	000057-57-8	72.06	L	-3.340E+01	7.600E+02	1.620E+02	7.500E-01	8.000E+00	2.287E+00	Estimated using data from PAC 27 Listing Table 1
2554	2553	Propionaldehyde	123-38-6	000123-38-6	58.08	L	-8.000E+01	7.600E+02	4.800E+01	3.168E+02	2.500E+01	3.168E+02	DAUBERT,TE & DANNER,RP (1985)
2555	2554	Propionic acid	79-09-4	000079-09-4	74.09	L	-2.150E+01	7.600E+02	1.411E+02	3.530E+00	2.500E+01	3.530E+00	DAUBERT,TE & DANNER,RP (1985)
2556	2555	Propionic acid, 3-ethoxy-, ethyl ester; (Ethyl-3-ethoxypropionate)	763-69-9	000763-69-9	146.21	L	-1.000E+02	7.600E+02	1.701E+02	1.500E+00	2.500E+01	1.500E+00	EPI Suite Mean VP of Antoine and Grain Methods
2557	2556	Propionic acid, sodium salt	137-40-6	000137-40-6	96.07	S							PAC 27 Listing Table 1
2558	2557	Propionic anhydride	123-62-6	000123-62-6	130.16	L	-4.500E+01	7.600E+02	1.670E+02	1.360E+00	2.500E+01	1.360E+00	DAUBERT,TE & DANNER,RP (1989)
2559	2558	Propionitrile; (Propiononitrile)	107-12-0	000107-12-0	55.09	L	-1.035E+02	7.600E+02	9.710E+01	4.739E+01	2.500E+01	4.739E+01	DAUBERT,TE & DANNER,RP (1985)
2560	2559	Propionyl chloride	79-03-8	000079-03-8	92.53	L	-9.400E+01	7.600E+02	8.000E+01	9.660E+01	2.500E+01	9.660E+01	EPI Suite Mean VP of Antoine and Grain Methods
2561	2560	Propoxur	114-26-1	000114-26-1	209.24	S	8.700E+01		dec	9.68x10-6	2.000E+01		PAC 27 Listing Table 1
2562	2561	Propoxypropanol, n-; (Propylene glycol monpropyl ether)	30136-13-1	030136-13-1	118.2	L	-8.000E+01	7.600E+02	1.498E+02	7.040E-01	2.500E+01	7.040E-01	ChemSpider EPI Suite Mean VP of Antoine and Grain Methods
2563	2562	Propyl acetate, n-	109-60-4	000109-60-4	102.15	L	-9.300E+01	7.600E+02	1.015E+02	3.590E+01	2.500E+01	3.590E+01	PAC 27 Listing Table 1
2564	2563	Propyl alcohol, n-; (n-Propanol)	71-23-8	000071-23-8	60.11	L	-1.270E+02	7.600E+02	9.719E+01	2.099E+01	2.500E+01	2.099E+01	RIDDICK,JA ET AL. (1986)
2565	2564	Propyl chloroformate; (Propyl chlorocarbonate)	109-61-5	000109-61-5	122.56	L		7.680E+02	1.140E+02	2.000E+01	2.500E+01	2.000E+01	DAMLE,SB (1993)
2566	2565	Propyl nitrate	627-13-4	000627-13-4	105.11	L	-1.010E+02	7.680E+02	1.105E+02	2.346E+01	2.500E+01	2.346E+01	BOUBLIK,T ET AL. (1984)
2567	2566	Propyl-1-butanamine, N-	20193-21-9	020193-21-9	115.218	L	-4.195E+01	7.600E+02	1.398E+02	6.420E+00	2.500E+01	6.420E+00	EPI Suite Mean VP of Antoine and Grain Methods
2568	2567	Propylbenzene, n-; (Isocumene)	103-65-1	000103-65-1	120.19	L	-9.960E+01	7.600E+02	1.592E+02	3.420E+00	2.500E+01	3.420E+00	DAUBERT,TE & DANNER,RP (1989)
2569	2568	Propylene carbonate, 1,2-	108-32-7	000108-32-7	102.09	L	-4.880E+01	7.600E+02	2.420E+02	4.500E-02	2.500E+01	4.500E-02	DAUBERT,TE & DANNER,RP (1996)
2570	2569	Propylene glycol dinitrate	6423-43-4	006423-43-4	166.11	L	-7.778E+00			3.780E-01	2.500E+01	3.780E-01	WYMAN, JF ET AL. (1984)
2571	2570	Propylene glycol monomethyl ether acetate, alpha-isomer; (1-Methoxypropyl-2-acetate)	108-65-6	000108-65-6	132.18	L		7.600E+02	1.500E+02	3.921E+00	2.500E+01	3.921E+00	DAUBERT,TE & DANNER,RP (1994)
2572	2571	Propylene glycol monomethyl ether acetate, beta-isomer; (2-Methoxypropyl-1-acetate)	70657-70-4	070657-70-4	132.18	L	-5.031E+01	7.600E+02	1.358E+02	7.720E+00	2.500E+01	7.720E+00	EPI Suite Mean VP of Antoine and Grain Methods
2573	2572	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	107-98-2	000107-98-2	90.12	L	-9.500E+01	7.600E+02	1.190E+02	1.250E+01	2.500E+01	1.250E+01	PAC 27 Listing Table 1
2574	2573	Propylene glycol mono-n-butyl ether; (3-Butoxy-1-propanol)	10215-33-5	010215-33-5	132.23	L	-8.750E+00	7.600E+02	2.014E+02	6.760E-02	2.500E+01	6.760E-02	EPI Suite Mean VP of Antoine and Grain Methods
2575	2574	Propylene glycol; (1,2-Propanediol)	57-55-6	000057-55-6	76.1	L	-6.000E+01	7.600E+02	1.876E+02	1.290E-01	2.500E+01	1.290E-01	DAUBERT,TE & DANNER,RP (1989)
2576	2575	Propylene oxide; (Methyl ethylene oxide)	75-56-9	000075-56-9	58.08	L	-1.121E+02	7.600E+02	3.423E+01	5.380E+02	2.500E+01	5.380E+02	PAC 27 Listing Table 1
2577	2576	Propylene; (1-Propene)	115-07-1	000115-07-1	42.09	G	-1.850E+02		-4.770E+01	7.600E+03	1.980E+01		PAC 27 Listing Table 1
2578	2577	Propyleneimine, 1,2-	75-55-8	000075-55-8	57.1	L	-6.500E+01	7.600E+02	6.700E+01	1.400E+02	2.500E+01	1.400E+02	PAC 27 Listing Table 1
2579	2578	Propyltrichlorosilane	141-57-1	000141-57-1	177.54	L		7.600E+02	1.235E+02	2.880E+01	2.500E+01	2.880E+01	DYKYJJ (1970)
2580	2579	Prothoate; (Isopropyl diethyldithiophosphorylacetamide)	2275-18-5	002275-18-5	285.39	S	2.850E+01		3.300E+02	1.000E-04	2.500E+01		PAC 27 Listing Table 1
2581	2580	Pump oil	64742-65-0	064742-65-0	252.32	L		7.600E+02	3.150E+02	5.490E-09	2.500E+01	5.490E-09	EPI Suite Experimental Data
2582	2581	Pyrene	129-00-0	000129-00-0	202.25	S	1.506E+02		4.040E+02	45.x10-6	2.500E+01		PAC 27 Listing Table 1

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.

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2582	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	000121-21-1	328.49	L		1.000E+00	1.700E+02	2.030E-05	2.500E+01	2.030E-05	TOMLIN,C (1997)
2584	2583	Pyridine	110-86-1	000110-86-1	79.1	L	-4.170E+01	7.600E+02	1.152E+02	2.080E+01	2.500E+01	2.080E+01	PAC 27 Listing Table 1
2585	2584	Pyridinecarboxaldehyde, 4-; (Isonicotinaldehyde)	872-85-5	000872-85-5	107.12	L	1.200E+01	7.600E+02	7.100E+01	5.680E-01	2.500E+01	5.680E-01	EPI Suite Mean VP of Antoine and Grain Methods
2586	2585	Pyridine-d5	7291-22-7	007291-22-7	84.13	L	-4.200E+01	7.600E+02	1.144E+02	2.080E+01	2.500E+01	2.080E+01	ChemSpider EPI Suite Mean VP of Antoine and Grain Methods
2587	2586	Pyriminil; (Pyriminyl)	53558-25-1	053558-25-1	272.29	S	223-225			1.000E-05	2.500E+01		PAC 27 Listing Table 1
2588	2587	Pyrogalllic acid	87-66-1	000087-66-1	126.12	S	131-133		3.090E+02	1.000E+01	1.677E+02		PAC 27 Listing Table 1
2589	2588	Pyromellitic acid	89-05-4	000089-05-4	254.16	S	257-265						PAC 27 Listing Table 1
2590	2589	Pyroxylin; (Cellulose tetranitrate)	9004-70-0	009004-70-0	504.3	S							PAC 27 Listing Table 1
2591	2590	Pyrrole; (Imidole)	109-97-7	000109-97-7	67.1	L	-2.340E+01	7.600E+02	1.297E+02	8.350E+00	2.500E+01	8.350E+00	PAC 27 Listing Table 1
2592	2591	Pyrrolidine	123-75-1	000123-75-1	71.14	L	-6.300E+01	7.600E+02	8.850E+01	6.269E+01	2.500E+01	6.269E+01	YAWS,CL (1994A)
2593	2592	Pyrrolidinone, 2-	616-45-5	000616-45-5	85.12	S	2.460E+01		2.450E+02	9.490E-03	2.500E+01		PAC 27 Listing Table 1
2594	2593	Pyruvate kinase	9001-59-6	009001-59-6		S							PAC 27 Listing Table 1
2595	2594	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	068424-85-1		S							PAC 27 Listing Table 1
2596	2595	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, chlorides; (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides)	70750-47-9	070750-47-9		S							PAC 27 Listing Table 1
2597	2596	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, nitrates (salts); (Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates)	71487-00-8	071487-00-8		S							PAC 27 Listing Table 1
2598	2597	Quinhydrone	106-34-3	000106-34-3	220.24	S	1.710E+02						PAC 27 Listing Table 1
2599	2598	Quinoline	91-22-5	000091-22-5	129.16	L	-1.478E+01	7.600E+02	2.372E+02	6.000E-02	2.500E+01	6.000E-02	DAUBERT,TE & DANNER,RP (1989)
2600	2599	Quinolinol, 8-	148-24-3	000148-24-3	145.17	S	7.600E+01		2.670E+02				PAC 27 Listing Table 1
2601	2600	Red Arrow Insect Spray	z-0117	00000z-0117		L				7.600E+02	2.500E+01	7.600E+02	No data available. As this is a product in a spraycan, it is presumed that material is under pressure in the aerosol dispenser; a VP of 760 at 25°C is assigned for calculation purposes.
2602	2601	Resorcinol	108-46-3	000108-46-3	110.11	S	1.094E+02		2.765E+02	4.89 x10-4	2.500E+01		PAC 27 Listing Table 1
2603	2602	Rexyn I-300; (Ethylene glycol dimethacrylate polymer with styrene, chloromethylated, trimethylamine-quaternized, hydroxide)	69011-49-0	069011-49-0	361.4586	S							PAC 27 Listing Table 1
2604	2603	Rhenium hexafluoride	10049-17-9	010049-17-9	300.197	L	1.850E+01	7.600E+02	3.360E+01	8.480E-09	2.500E+01	8.480E-09	EPI Suite Modified Grain Method
2605	2604	Rhenium oxide; (Rhenium(VII) oxide)	1314-68-7	001314-68-7	484.41	S	2.970E+02		3.600E+02				PAC 27 Listing Table 1
2606	2605	Rhodium	7440-16-6	007440-16-6	102.91	S	1.966E+03		3.727E+03				PAC 27 Listing Table 1
2607	2606	Rhodium oxide (liquids); (Rhodium(IV) oxide)	12137-27-8a	012137-27-8a	134.91	L				7.600E+02	2.500E+01	7.600E+02	Hazardous component of aqueous solution has neglible VP. A VP of 1E-05 at 25°C is assigned for calculation purposes
2608	2607	Rhodium oxide (solids); (Rhodium(IV) oxide)	12137-27-8b	012137-27-8b	134.91	S							PAC 27 Listing Table 1
2609	2608	Rhodium(III) hydroxide (liquids)	21656-02-0a	021656-02-0a	153.93	L				1.000E-05	2.500E+01	1.000E-05	Hazardous component of aqueous solution has neglible VP. A VP of 1E-05 at 25°C is assigned for calculation purposes
2610	2609	Rhodium(III) hydroxide (solids)	21656-02-0b	021656-02-0b	153.93	S							PAC 27 Listing Table 1
2611	2610	Rhodium(III) oxide (solids)	12036-35-0	012036-35-0	253.8092	S	1100 dec						PAC 27 Listing Table 1
2612	2611	Riboflavine	83-88-5	000083-88-5	376.37	S	282		dec				PAC 27 Listing Table 1
2613	2612	Ribonuclease T1	9026-12-4	009026-12-4		S							PAC 27 Listing Table 1
2614	2613	Rosin core solder decomposition products; (Colophony Gum)	8050-09-7	008050-09-7		S							PAC 27 Listing Table 1
2615	2614	Rotenone	83-79-4	000083-79-4	394.42	S	1.760E+02		215 @ 0.5 mmHg	8.000E-04	2.000E+01		PAC 27 Listing Table 1
2616	2615	Rubber solvent; (Naphtha (petroleum) light aliphatic)	64742-89-8	064742-89-8	97.26	L	-9.060E+01	7.600E+02	3.800E+01	4.600E+01	2.500E+01	4.600E+01	EPI Suite Experimental Data
2617	2616	Rubidium	7440-17-7	007440-17-7	85.47	S	3.950E+01		6.880E+02				PAC 27 Listing Table 1
2618	2617	Rubidium bromide	7789-39-1	007789-39-1	165.37	S	6.930E+02		1.340E+03				PAC 27 Listing Table 1
2619	2618	Rubidium chloride	7791-11-9	007791-11-9	120.92	S	7.180E+02		1.390E+03				PAC 27 Listing Table 1
2620	2619	Rubidium hydroxide	1310-82-3	001310-82-3	102.48	G	3.820E+02						PAC 27 Listing Table 1
2621	2620	Rubidium nitrate	13126-12-0	013126-12-0	147.48	S							PAC 27 Listing Table 1
2622	2621	Ruthenium	7440-18-8	007440-18-8	101.07	S	2.333E+03		4.150E+03	7.5x10-3	2.315E+03		PAC 27 Listing Table 1
2623	2622	Ruthenium trichloride	10049-08-8	010049-08-8	207.42	S	500 dec						PAC 27 Listing Table 1
2624	2623	Ruthenium(IV) oxide	12036-10-1	012036-10-1	133.07	G							PAC 27 Listing Table 1
2625	2624	Safröl; (5-(2-Propenyl)-1,3-benzodioxole)	94-59-7	000094-59-7	162.2	L	1.100E+01	7.600E+02	2.325E+02	1.000E+00	6.380E+01	7.522E-02	Estimated using data from PAC 27 Listing Table 1
2626	2625	Salcomine; (bis(Salicylaldehyde)ethylenediimine cobalt(II))	14167-18-1	014167-18-1	325.25	S				1.000E-05	2.500E+01		PAC 27 Listing Table 1
2627	2626	Salicylaldehyde	90-02-8	000090-02-8	122.13	L	-7.000E+00	7.600E+02	1.970E+02	5.930E-01	2.500E+01	5.930E-01	PAC 27 Listing Table 1
2628	2627	Salicylic acid	69-72-7	000069-72-7	138.13	S	1.583E+02		211 @ 20mm				PAC 27 Listing Table 1
2629	2628	Salicylic acid, monoammonium salt	528-94-9	000528-94-9	155.17	S							PAC 27 Listing Table 1
2630	2629	Salicylic acid, phenyl ester	118-55-8	000118-55-8	214.23	S	43		172-173 @ 12mm				PAC 27 Listing Table 1
2631	2630	Samarium	7440-19-9	007440-19-9	150.36	S	1.072E+03		1.778E+03				PAC 27 Listing Table 1
2632	2631	Samarium nitrate	10361-83-8	010361-83-8	336.38	S							PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2633	2632	Samarium(II) iodide solution	32248-43-4	032248-43-4	404.17	S							PAC 27 Listing Table 1
2634	2633	Samarium(III) chloride hexahydrate	13465-55-9	013465-55-9	364.8102	S	110						PAC 27 Listing Table 1
2635	2634	Samarium(III) oxide	12060-58-1	012060-58-1	348.72	S							PAC 27 Listing Table 1
2636	2635	Saxitoxin	35523-89-8	035523-89-8	299.34	S							PAC 27 Listing Table 1
2637	2636	Scandium	7440-20-2	007440-20-2	44.956	S	1541		2.836E+03				PAC 27 Listing Table 1
2638	2637	Scandium oxide	12060-08-1	012060-08-1	137.91	S	2.485E+03						PAC 27 Listing Table 1
2639	2638	Selenious acid	7783-00-8	007783-00-8	128.97	S	70 dec			2.000E+00	1.500E+01		PAC 27 Listing Table 1
2640	2639	Selenium	7782-49-2	007782-49-2	78.96	S	2.208E+02		6.850E+02	7.5x10-3	2.270E+02		PAC 27 Listing Table 1
2641	2640	Selenium dioxide	7446-08-4	007446-08-4	110.96	S	340 triple point		315 subl	7.5x10-3	1.245E+02		PAC 27 Listing Table 1
2642	2641	Selenium hexafluoride	7783-79-1	007783-79-1	192.95	G	-34.6 triple point		-46.6 subl	7.500E+02	-4.650E+01		PAC 27 Listing Table 1
2643	2642	Selenium monosulfide	7446-34-6	007446-34-6	111.02	S	1.110E+02		118dec				PAC 27 Listing Table 1
2644	2643	Selenium oxychloride	7791-23-3	007791-23-3	165.86	L	1.090E+01	7.600E+02	1.764E+02	2.900E+00	2.500E+01	2.900E+00	PAC 27 Listing Table 1
2645	2644	Selenium sulfide; (Selenium(IV) disulfide (1:2))	7488-56-4	007488-56-4	143.08	S	<100						PAC 27 Listing Table 1
2646	2645	Semicarbazide hydrochloride	563-41-7	000563-41-7	111.55	S	176 decom						PAC 27 Listing Table 1
2647	2646	Sephacryl s-200, superfine	65546-95-4	065546-95-4		S							PAC 27 Listing Table 1
2648	2647	Sephacryl s-300	82785-74-8	082785-74-8		S							PAC 27 Listing Table 1
2649	2648	Sephadex G-25	9041-35-4	009041-35-4		S							PAC 27 Listing Table 1
2650	2649	Sepharose cl-4b	61970-08-9	061970-08-9		S							PAC 27 Listing Table 1
2651	2650	Silane; (Silicon tetrahydride)	7803-62-5	007803-62-5	32.13	G	-1.850E+02		-1.120E+02				PAC 27 Listing Table 1
2652	2651	Silica amorphous hydrated	7631-86-9	007631-86-9	60.08	S							PAC 27 Listing Table 1
2653	2652	Silica gel	63231-67-4	063231-67-4		S	1.610E+03		2.503E+03	1.000E+01	1.732E+03		PAC 27 Listing Table 1
2654	2653	Silica gel dessicant	1343-98-2	001343-98-2		S	1.610E+03		2503 @ 20°C	1.000E+01	1.732E+03		PAC 27 Listing Table 1
2655	2654	Silica gel, amorphous synthetic	112926-00-8	112926-00-8		S							PAC 27 Listing Table 1
2656	2655	Silica, amorphous fume	69012-64-2	069012-64-2		S	3.110E+03		4.046E+03				PAC 27 Listing Table 1
2657	2656	Silica, amorphous fumed	112945-52-5	112945-52-5	60.09	S							PAC 27 Listing Table 1
2658	2657	Silica, crystalline-quartz; (Silicon dioxide)	14808-60-7	014808-60-7	60.09	S	5.730E+02		2.950E+03	7.5x10-3	1.966E+03		PAC 27 Listing Table 1
2659	2658	Silicic acid	7699-41-4	007699-41-4	78.09958	S							PAC 27 Listing Table 1
2660	2659	Silicic acid, aluminum calcium sodium salt	1344-01-0	001344-01-0	135	S							PAC 27 Listing Table 1
2661	2660	Silicic acid, sodium salt; (Sodium silicate)	1344-09-8	001344-09-8	184.04268	S			1.020E+02	1.800E+01			PAC 27 Listing Table 1
2662	2661	Silicofluoric acid; (Fluorosilicic acid)	16961-83-4	016961-83-4	144.09	L	-2.000E+01	7.600E+02	1.080E+02	2.180E+02	2.000E+01	2.387E+02	VP estimated based upon MSDS data. Material decomposes at 108°C.
2663	2662	Silicon	7440-21-3	007440-21-3	28.09	S	1.414E+03		3.265E+03	7.5x10-3	1.635E+03		PAC 27 Listing Table 1
2664	2663	Silicon carbide	409-21-2	000409-21-2	40.1	S	2.830E+03						PAC 27 Listing Table 1
2665	2664	Silicon nitride	12033-89-5	012033-89-5	140.284	S	1900						PAC 27 Listing Table 1
2666	2665	Silicon tetrafluoride; (Tetrafluorosilane)	7783-61-1	007783-61-1	104.09	G	-7.700E+01						PAC 27 Listing Table 1
2667	2666	Silicon(II) oxide; (Silicon oxide)	10097-28-6	010097-28-6	44.09	S	>1702		1.880E+03				PAC 27 Listing Table 1
2668	2667	Siloprene k 1000	63394-02-5	063394-02-5		S							PAC 27 Listing Table 1
2669	2668	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	67762-90-7	067762-90-7		S			> 140 @ 0.002 mm	< 5	2.000E+01		PAC 27 Listing Table 1
2670	2669	Siloxanes and silicones, methyl phenyl; (Silicon Y-6607; Silicone fluid, high temp)	67762-92-9	067762-92-9	75	L	-6.000E+01	7.600E+02	2.050E+02	3.000E+01	2.500E+01	3.000E+01	VP estimated based upon Data Sheet values.
2671	2670	Silver	7440-22-4	007440-22-4	107.87	S	9.618E+02		2.162E+03	7.5x10-3	1.010E+03		PAC 27 Listing Table 1
2672	2671	Silver carbonate; (Silver(I) carbonate)	534-16-7	000534-16-7	275.7456	S	2.180E+02						PAC 27 Listing Table 1
2673	2672	Silver chloride	7783-90-6	007783-90-6	143.321	S	4.550E+02		1.547E+03	7.5x10-3	6.700E+02		PAC 27 Listing Table 1
2674	2673	Silver cyanide	506-64-9	000506-64-9	133.89	S	320 dec						PAC 27 Listing Table 1
2675	2674	Silver hydroxide	12673-77-7	012673-77-7	124.875	S							PAC 27 Listing Table 1
2676	2675	Silver nitrate	7761-88-8	007761-88-8	169.87	S	2.100E+02		440 dec				PAC 27 Listing Table 1
2677	2676	Silver nitrite; (Silver(I) nitrite)	7783-99-5	007783-99-5	153.874	S							PAC 27 Listing Table 1
2678	2677	Silver oxide	20667-12-3	020667-12-3	231.74	S	~ 200 dec						PAC 27 Listing Table 1
2679	2678	Soda lime	8006-28-8	008006-28-8		S							PAC 27 Listing Table 1
2680	2679	Sodium	7440-23-5	007440-23-5	22.99	S	9.779E+01		8.829E+02	7.5x10-3	2.806E+02		PAC 27 Listing Table 1
2681	2680	Sodium acetate	127-09-3	000127-09-3	82.03	S	3.282E+02						PAC 27 Listing Table 1
2682	2681	Sodium acetate trihydrate; (Acetic acid, sodium salt trihydrate)	6131-90-4	006131-90-4	82.04	S	3.240E+02		dec				PAC 27 Listing Table 1
2683	2682	Sodium aluminate anhydrous; (Aluminum sodium dioxide anhydrous)	11138-49-1	011138-49-1	81.97	S	1.650E+03						PAC 27 Listing Table 1
2684	2683	Sodium aluminate; (Aluminum sodium dioxide)	1302-42-7	001302-42-7	81.97	S	1.650E+03						PAC 27 Listing Table 1
2685	2684	Sodium aluminosilicate	1344-00-9	001344-00-9	142.054407	S							PAC 27 Listing Table 1
2686	2685	Sodium aluminum hydride	13770-96-2	013770-96-2	54.01	S	1.830E+02						PAC 27 Listing Table 1
2687	2686	Sodium aluminum silicate	73987-94-7	073987-94-7	410.94	S							PAC 27 Listing Table 1
2688	2687	Sodium antimonate; (Antimonic acid, sodium salt)	11112-10-0	011112-10-0	246.79	S							PAC 27 Listing Table 1
2689	2688	Sodium antimonite	z-0061	00000z-0061	212.78	S							PAC 27 Listing Table 1
2690	2689	Sodium argentate	z-0062	00000z-0062	164.87	S							PAC 27 Listing Table 1
2691	2690	Sodium arsenate	7631-89-2	007631-89-2	202.94	S	8.600E+01						PAC 27 Listing Table 1
2692	2691	Sodium arsenite	7784-46-5	007784-46-5	129.91	S							PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

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1													
2693	2692	Sodium azide	26628-22-8	026628-22-8	65.01	S	300 dec			7.5x10-3	2.000E+01		PAC 27 Listing Table 1
2694	2693	Sodium beryllium oxide	z-0063	000002-0063	112.0021	S							PAC 27 Listing Table 1
2695	2694	Sodium bicarbonate	144-55-8	000144-55-8	84.01	S	~ 50 dec						PAC 27 Listing Table 1
2696	2695	Sodium bifluoride; (Sodium hydrogen fluoride)	1333-83-1	001333-83-1	62	S	decom						PAC 27 Listing Table 1
2697	2696	Sodium bis(2-methoxyethoxy) aluminum hydride	22722-98-1	022722-98-1	202.16	S			396-402				PAC 27 Listing Table 1
2698	2697	Sodium bismuthate	12232-99-4	012232-99-4	279.97	S							PAC 27 Listing Table 1
2699	2698	Sodium bisulfate monohydrate	10034-88-5	010034-88-5	138.08	S							PAC 27 Listing Table 1
2700	2699	Sodium bisulfate; (Sodium acid sulfate)	7681-38-1	007681-38-1	120.06	S	>315dec						PAC 27 Listing Table 1
2701	2700	Sodium bisulfite	7631-90-5	007631-90-5	104.06	S	dec						PAC 27 Listing Table 1
2702	2701	Sodium borate decahydrate	1303-96-4	001303-96-4	381.37	S	75 dec			~ 0	no temp		PAC 27 Listing Table 1
2703	2702	Sodium borate; (Disodium tetraborate; Borates, tetrasodium salts)	1330-43-4	001330-43-4	201.22	S	743		1.575E+03	negligible	2.000E+01		PAC 27 Listing Table 1
2704	2703	Sodium borohydride	16940-66-2	016940-66-2	37.84	S	497 dec						PAC 27 Listing Table 1
2705	2704	Sodium bromate	7789-38-0	007789-38-0	150.9	S	3.810E+02						PAC 27 Listing Table 1
2706	2705	Sodium bromide	7647-15-6	007647-15-6	102.9	S	7.470E+02		1.390E+03				PAC 27 Listing Table 1
2707	2706	Sodium butyl (2-ethylhexyl)phosphate	z-0064	000002-0064	288.299428	S							PAC 27 Listing Table 1
2708	2707	Sodium butyl butylphosphonate	z-0065	000002-0065	232.191908	S							PAC 27 Listing Table 1
2709	2708	Sodium cacodylate; (Sodium dimethylarsinate)	124-65-2	000124-65-2	159.99	S	2.000E+02						PAC 27 Listing Table 1
2710	2709	Sodium cadminate	z-0066	000002-0066	226.42	S							PAC 27 Listing Table 1
2711	2710	Sodium carbonate	497-19-8	000497-19-8	105.99	S	8.510E+02		dec				PAC 27 Listing Table 1
2712	2711	Sodium carbonate monohydrate	5968-11-6	005968-11-6	124.005	S	8.510E+02						PAC 27 Listing Table 1
2713	2712	Sodium carboxymethyl cellulose; (Dowex 11)	9004-32-4	009004-32-4		S							PAC 27 Listing Table 1
2714	2713	Sodium chloride	7647-14-5	007647-14-5	58.44	S	8.007E+02		1.465E+03	7.5x10-3	6.530E+02		PAC 27 Listing Table 1
2715	2714	Sodium chlorite	7758-19-2	007758-19-2	90.44	S	2.570E+02		180-200 dec				PAC 27 Listing Table 1
2716	2715	Sodium chromate decahydrate	13517-17-4	013517-17-4	342.18	S							PAC 27 Listing Table 1
2717	2716	Sodium chromate tetrahydrate	10034-82-9	010034-82-9	303.03	S	dec.						PAC 27 Listing Table 1
2718	2717	Sodium chromate(VI); (Disodium chromate)	7775-11-3	007775-11-3	161.97	S	7.940E+02						PAC 27 Listing Table 1
2719	2718	Sodium citrate; (Monosodium citrate)	18996-35-5	018996-35-5	214.12	S							PAC 27 Listing Table 1
2720	2719	Sodium cobaltinitrite	13600-98-1	013600-98-1	403.96	S							PAC 27 Listing Table 1
2721	2720	Sodium cyanide	143-33-9	000143-33-9	49.01	S	5.630E+02		1.496E+03	1.000E+00	8.170E+02		PAC 27 Listing Table 1
2722	2721	Sodium cyclopentadienyliide; (Cyclopentadienyl sodium)	4984-82-1	004984-82-1	88.08	S							PAC 27 Listing Table 1
2723	2722	Sodium deuterioxide	14014-06-3	014014-06-3	41	S							PAC 27 Listing Table 1
2724	2723	Sodium dichromate dihydrate	7789-12-0	007789-12-0	298.02	S	loses H2O at 100		400 dec				PAC 27 Listing Table 1
2725	2724	Sodium dichromate; (Disodium dichromate)	10588-01-9	010588-01-9	261.98	S	3.567E+02		400 dec				PAC 27 Listing Table 1
2726	2725	Sodium diethyldithiocarbamate trihydrate	20624-25-3	020624-25-3	225.33	S	95						PAC 27 Listing Table 1
2727	2726	Sodium diethyldithiocarbamate; (Diethyldithiocarbamic acid, sodium salt)	148-18-5	000148-18-5	171.27	S	9.500E+01						PAC 27 Listing Table 1
2728	2727	Sodium dihydrogen phosphate; (Sodium phosphate monobasic, monohydrate)	10049-21-5	010049-21-5	119.88	S			204 dec				PAC 27 Listing Table 1
2729	2728	Sodium dithionate dihydrate	7631-94-9	007631-94-9	242.14	S	1.100E+02		267 dec				PAC 27 Listing Table 1
2730	2729	Sodium dodecylbenzenesulfonate; (Dodecyl benzene sodium sulfonate)	25155-30-0	025155-30-0	348.52	S							PAC 27 Listing Table 1
2731	2730	Sodium ethoxide	141-52-6	000141-52-6	68.05	S	260 dec			< 0.1	2.000E+01		PAC 27 Listing Table 1
2732	2731	Sodium ferrocyanide	13601-19-9	013601-19-9	303.93	S							PAC 27 Listing Table 1
2733	2732	Sodium fluoride	7681-49-4	007681-49-4	41.99	S	9.960E+02		1.704E+03	7.5x10-2	9.200E+02		PAC 27 Listing Table 1
2734	2733	Sodium formate	141-53-7	000141-53-7	68.01	S	2.570E+02		dec				PAC 27 Listing Table 1
2735	2734	Sodium gluconate	527-07-1	000527-07-1	218.16	S							PAC 27 Listing Table 1
2736	2735	Sodium glycinate	6000-44-8	006000-44-8	97.06	S							PAC 27 Listing Table 1
2737	2736	Sodium glycolate; (Sodium hydroxyacetate)	2836-32-0	002836-32-0	98.04	S							PAC 27 Listing Table 1
2738	2737	Sodium hexahydroxoantimonate; (Sodium antimonate)	33908-66-6	033908-66-6	192.744968	S							PAC 27 Listing Table 1
2739	2738	Sodium hexamethyldisilazane; (Sodium bis(trimethylsilyl)amide)	1070-89-9	001070-89-9	184.38377	S							PAC 27 Listing Table 1
2740	2739	Sodium hydride	7646-69-7	007646-69-7	24	S	800 decom						PAC 27 Listing Table 1
2741	2740	Sodium hydrogen lead oxide	z-0067	000002-0067	263.2	S							PAC 27 Listing Table 1
2742	2741	Sodium hydrogen metasilicate	z-0068	000002-0068	100.081	S							PAC 27 Listing Table 1
2743	2742	Sodium hydrogen pyrophosphate	z-0069	000002-0069	243.92	S							PAC 27 Listing Table 1
2744	2743	Sodium hydrosulfite	7775-14-6	007775-14-6	174.1	S	55 dec						PAC 27 Listing Table 1
2745	2744	Sodium hydroxide	1310-73-2	001310-73-2	40	S	3.230E+02		1.388E+03	7.5x10-3	5.130E+02		PAC 27 Listing Table 1
2746	2745	Sodium hypobromite	13824-96-9	013824-96-9	119.9	S							PAC 27 Listing Table 1
2747	2746	Sodium hypochlorite	7681-52-9	007681-52-9	75.45	S	1.800E+01						PAC 27 Listing Table 1
2748	2747	Sodium hypochlorite pentahydrate	10022-70-5	010022-70-5	165.55	L				1.000E-05	2.500E+01	1.000E-05	Hazardous component of aqueous solution has neglible VP. A VP of 1E-05 at 25°C is assigned for calulation purposes
2749	2748	Sodium hypophosphite	7681-53-0	007681-53-0	87.98	S							PAC 27 Listing Table 1
2750	2749	Sodium hypophosphite hydrate	123333-67-5	123333-67-5		S	dec						PAC 27 Listing Table 1
2751	2750	Sodium iodate	7681-55-2	007681-55-2	197.89247	S	dec						PAC 27 Listing Table 1
2752	2751	Sodium iodide	7681-82-5	007681-82-5	149.89	S	6.600E+02		1.304E+03	1.000E+00	7.670E+02		PAC 27 Listing Table 1
2753	2752	Sodium isothiocyanate; (Thiocyanic acid, sodium salt)	540-72-7	000540-72-7	81.07	S	2.870E+02						PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2754	2753	Sodium lactate; (Lactic acid, monosodium salt)	72-17-3	000072-17-3	112.07	S							PAC 27 Listing Table 1
2755	2754	Sodium lanthanate	z-0070	00000z-0070	229.92	S							PAC 27 Listing Table 1
2756	2755	Sodium lauryl sulfate	151-21-3	000151-21-3	288.38	S	2.050E+02						PAC 27 Listing Table 1
2757	2756	Sodium metabisulfite	7681-57-4	007681-57-4	190.11	S	150 dec						PAC 27 Listing Table 1
2758	2757	Sodium metaborate	7775-19-1	007775-19-1	66.81	S	9.660E+02		1.434E+03				PAC 27 Listing Table 1
2759	2758	Sodium metaphosphate	10361-03-2	010361-03-2	101.96	S	6.280E+02						PAC 27 Listing Table 1
2760	2759	Sodium metasilicate nonahydrate	13517-24-3	013517-24-3	286.22	S	1.089E+03						PAC 27 Listing Table 1
2761	2760	Sodium metasilicate pentahydrate	10213-79-3	010213-79-3	212.15	S	72						PAC 27 Listing Table 1
2762	2761	Sodium metavanadate; (Sodium vanadate)	13718-26-8	013718-26-8	121.93	S	6.300E+02						PAC 27 Listing Table 1
2763	2762	Sodium methylate	124-41-4	000124-41-4	54.03	S	>300		127dec				PAC 27 Listing Table 1
2764	2763	Sodium molybdate dihydrate; (Disodium molybdate dihydrate)	10102-40-6	010102-40-6	241.95	S							PAC 27 Listing Table 1
2765	2764	Sodium monoxide; (Sodium oxide)	12401-86-4	012401-86-4	38.99	S			1275 subl				PAC 27 Listing Table 1
2766	2765	Sodium nickel oxide (Liquid)	37367-09-2	037367-09-2	136.6717	L				1.000E-05	2.500E+01	1.000E-05	Hazardous component of aqueous solution has neglible VP. A VP of 1E-05 at 25°C is assigned for calulation purposes
2767	2766	Sodium nickelate (Liquids)	z-0073	00000z-0073	172.7	L				1.000E-05	2.500E+01	1.000E-05	Hazardous component of aqueous solution has neglible VP. A VP of 1E-05 at 25°C is assigned for calulation purposes
2768	2767	Sodium nickelate (Solids)	z-0074	00000z-0074	172.7	S							PAC 27 Listing Table 1
2769	2768	Sodium nitrate	7631-99-4	007631-99-4	85	S	3.065E+02		380 dec				PAC 27 Listing Table 1
2770	2769	Sodium nitrite	7632-00-0	007632-00-0	69	S	2.840E+02		> 320 dec				PAC 27 Listing Table 1
2771	2770	Sodium nitroferri cyanide	14402-89-2	014402-89-2	261.94	S							PAC 27 Listing Table 1
2772	2771	Sodium o-benzyl-p-chlorophenate	3184-65-4	003184-65-4	241.68	S							PAC 27 Listing Table 1
2773	2772	Sodium orthovanadate	13721-39-6	013721-39-6	183.91	S	850-866						PAC 27 Listing Table 1
2774	2773	Sodium oxalate	62-76-0	000062-76-0	134	S	~ 250 dec						PAC 27 Listing Table 1
2775	2774	Sodium pentachlorophenate	131-52-2	000131-52-2	288.3	S							PAC 27 Listing Table 1
2776	2775	Sodium perchlorate	7601-89-0	007601-89-0	122.44	S	482 dec						PAC 27 Listing Table 1
2777	2776	Sodium perchlorate monohydrate	7791-07-3	007791-07-3	140.46	S	1.300E+02						PAC 27 Listing Table 1
2778	2777	Sodium permanganate	10101-50-5	010101-50-5	141.93	S							PAC 27 Listing Table 1
2779	2778	Sodium peroxide	1313-60-6	001313-60-6	77.98	S	6.750E+02		657 dec				PAC 27 Listing Table 1
2780	2779	Sodium perhenate; (Rhenium(VII) sodium oxide)	13472-33-8	013472-33-8	273.19	S	4.200E+02						PAC 27 Listing Table 1
2781	2780	Sodium persulfate	7775-27-1	007775-27-1	238.1	S	100 dec						PAC 27 Listing Table 1
2782	2781	Sodium phosphate	7632-05-5	007632-05-5	258.93	S							PAC 27 Listing Table 1
2783	2782	Sodium phosphate, dibasic	7558-79-4	007558-79-4	141.96	S	240dec						PAC 27 Listing Table 1
2784	2783	Sodium phosphate, dibasic, dodecahydrate	10039-32-4	010039-32-4	358.2	S							PAC 27 Listing Table 1
2785	2784	Sodium phosphate, dibasic, heptahydrate	7782-85-6	007782-85-6	383.05	S			loses 5.H2O @ 48C				PAC 27 Listing Table 1
2786	2785	Sodium phosphate, monobasic	7558-80-7	007558-80-7	119.976	S							PAC 27 Listing Table 1
2787	2786	Sodium phosphate, tribasic, dodecahydrate	10101-89-0	010101-89-0	380.18	S							PAC 27 Listing Table 1
2788	2787	Sodium phosphate, tribasic; (Sodium hexametaphosphate; Calgon)	10124-56-8	010124-56-8	611.76	S							PAC 27 Listing Table 1
2789	2788	Sodium phosphate, tribasic; (Sodium trimetaphosphate)	7785-84-4	007785-84-4	305.88	S							PAC 27 Listing Table 1
2790	2789	Sodium phosphate, tribasic; (Trisodium phosphate)	7601-54-9	007601-54-9	163.94	S	1.583E+03						PAC 27 Listing Table 1
2791	2790	Sodium phosphide	12058-85-4	012058-85-4	99.94	S							PAC 27 Listing Table 1
2792	2791	Sodium polyphosphate	68915-31-1	068915-31-1	611.770386	S							PAC 27 Listing Table 1
2793	2792	Sodium polytungstate	12141-67-2	012141-67-2	2986.13006	S							PAC 27 Listing Table 1
2794	2793	Sodium potassium tartrate tetrahydrate	6381-59-5	006381-59-5	282.22	S	90 - 100			2.000E+02			PAC 27 Listing Table 1
2795	2794	Sodium potassium tartrate; (Potassium sodium tartrate)	304-59-6	000304-59-6	210.16	S	90 - 100			2.000E+02			PAC 27 Listing Table 1
2796	2795	Sodium p-tert-amylphenate; (4-(1,1-Dimethylpropyl)phenol, sodium salt)	31366-95-7	031366-95-7	186.25	S							PAC 27 Listing Table 1
2797	2796	Sodium pyrophosphate decahydrate	13472-36-1	013472-36-1	446.1	S							PAC 27 Listing Table 1
2798	2797	Sodium pyrophosphate, di-	7758-16-9	007758-16-9	221.94	S	220 dec						PAC 27 Listing Table 1
2799	2798	Sodium pyruvate; (Pyruvic acid, sodium salt)	113-24-6	000113-24-6	110.04667	S	3.000E+02						PAC 27 Listing Table 1
2800	2799	Sodium salicylate; (Salicylic acid, sodium salt)	54-21-7	000054-21-7	160.11	S	2.000E+02						PAC 27 Listing Table 1
2801	2800	Sodium selenate; (Disodium selenate)	13410-01-0	013410-01-0	188.94	S							PAC 27 Listing Table 1
2802	2801	Sodium selenite	10102-18-8	010102-18-8	172.94	S	7.100E+02						PAC 27 Listing Table 1
2803	2802	Sodium silicate; (Sodium metasilicate)	6834-92-0	006834-92-0	122.07	S	1.089E+03						PAC 27 Listing Table 1
2804	2803	Sodium stannate	12058-66-1	012058-66-1	212.687736	S							PAC 27 Listing Table 1
2805	2804	Sodium stearate	822-16-2	000822-16-2	306.52	S							PAC 27 Listing Table 1
2806	2805	Sodium strontium phosphate	19553-80-1	019553-80-1	205.58	S							PAC 27 Listing Table 1
2807	2806	Sodium succinate	150-90-3	000150-90-3	162.06	L		7.600E+02	4.260E+02	8.700E-08	2.500E+01	8.700E-08	EPI Suite Modified Grain Method
2808	2807	Sodium succinate, hexahydrate	6106-21-4	006106-21-4	270.14	S							Crystalline Solid
2809	2808	Sodium sulfamate	13845-18-6	013845-18-6	120.08	S		7.600E+02	1.044E+02	1.500E+01			PAC 27 Listing Table 1
2810	2809	Sodium sulfate, anhydrous	7757-82-6	007757-82-6	142.04	S	8.880E+02						PAC 27 Listing Table 1
2811	2810	Sodium sulfhydrate; (Sodium hydrosulfide)	16721-80-5	016721-80-5	56.06	S	3.500E+02						PAC 27 Listing Table 1
2812	2811	Sodium sulfide	1313-82-2	001313-82-2	78.04	S	1.172E+03						PAC 27 Listing Table 1
2813	2812	Sodium sulfide nonahydrate	1313-84-4	001313-84-4	240.22	S	~50		1124 dec				PAC 27 Listing Table 1
2814	2813	Sodium sulfite	7757-83-7	007757-83-7	126.04	S	dec						PAC 27 Listing Table 1

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1													
2815	2814	Sodium tartrate dihydrate	6106-24-7	006106-24-7	230.082	S	150 dehydrat						PAC 27 Listing Table 1
2816	2815	Sodium tellurate	10101-83-4	010101-83-4	237.58	S							PAC 27 Listing Table 1
2817	2816	Sodium tellurite	10102-20-2	010102-20-2	221.58	S							PAC 27 Listing Table 1
2818	2817	Sodium tetrafluoroborate(1-)	13755-29-8	013755-29-8	109.8	S	322		dec				PAC 27 Listing Table 1
2819	2818	Sodium Tetrahydroxoaluminate	z-0123	00000z-0123	118	S							PAC 27 Listing Table 1
2820	2819	Sodium tetraphenyl borate	143-66-8	000143-66-8	342.23	S							PAC 27 Listing Table 1
2821	2820	Sodium thiosulfate	7772-98-7	007772-98-7	158.1	S			dec				PAC 27 Listing Table 1
2822	2821	Sodium thiosulfate pentahydrate	10102-17-7	010102-17-7	248.2	S	4.800E+01						PAC 27 Listing Table 1
2823	2822	Sodium titanate	12034-34-3	012034-34-3	141.84474	S							PAC 27 Listing Table 1
2824	2823	Sodium tolyltriazole; (1H-Benzotriazole, 4(or 5)-methyl-, sodium salt)	64665-57-2	064665-57-2	156.14237	L	-5.000E+00	7.600E+02	1.060E+02	1.250E-10	2.500E+01	1.250E-10	EPI Suite Modified Grain Method
2825	2824	Sodium tridecylbenzene sulfonate	26248-24-8	026248-24-8	362.45	S							PAC 27 Listing Table 1
2826	2825	Sodium triethylborohydride	17979-81-6	017979-81-6	121.99	S							PAC 27 Listing Table 1
2827	2826	Sodium trihydrogen silicate	z-0076	00000z-0076	118.096	S							PAC 27 Listing Table 1
2828	2827	Sodium tripolyphosphate	7758-29-4	007758-29-4	367.86	S	6.220E+02						PAC 27 Listing Table 1
2829	2828	Sodium tungstate	13472-45-2	013472-45-2	293.83	S	6.950E+02						PAC 27 Listing Table 1
2830	2829	Sodium tungstate dihydrate	10213-10-2	010213-10-2	329.87	S	100 dec						PAC 27 Listing Table 1
2831	2830	Sodium uranate; (Disodium uranate hexahydrate)	66018-57-3	066018-57-3	742	S							PAC 27 Listing Table 1
2832	2831	Sodium uranium oxide monohydrate; (Sodium uranate(VI) monohydrate)	10135-92-9	010135-92-9	652.049	S							PAC 27 Listing Table 1
2833	2832	Sodium uranyl carbonate	z-0078	00000z-0078	428.03364	S							PAC 27 Listing Table 1
2834	2833	Sodium zirconate; (Disodium zirconium oxide)	12201-48-8	012201-48-8	199.24	S							PAC 27 Listing Table 1
2835	2834	Sodium-Potassium	11135-81-2	011135-81-2	38.55	S							PAC 27 Listing Table 1
2836	2835	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	64742-88-7	064742-88-7		L	-7.000E+01	7.600E+02	1.500E+02	1.500E+00	2.500E+01	1.500E+00	PAC 27 Listing Table 1
2837	2836	Solvent Yellow 3	97-56-3	000097-56-3	225.32	L	1.000E+02			7.500E-07	2.500E+01	7.500E-07	SHIMIZU,T ET AL. (1987)
2838	2837	Soman; (3,3-Dimethyl-2-butyl methylphosphonofluoridate; GD)	96-64-0	000096-64-0	182.2	L	-4.200E+01	7.600E+02	1.670E+02	4.000E-01	2.500E+01	4.000E-01	PAC 27 Listing Table 1
2839	2838	Sorbitan monolaurate; (D-Glucitol, 1,4-anhydro-, 6-dodecanoate)	5959-89-7	005959-89-7	346.46	S							PAC 27 Listing Table 1
2840	2839	Sorbitan monostearate polyoxyethylene; (Ethoxylated sorbitan monostearate)	9005-67-8	009005-67-8	1311.9	L		7.600E+02	5.396E+02	5.760E-15	2.500E+01	5.760E-15	EPI Suite Modified Grain Method
2841	2840	Sorbitan trioleate	26266-58-0	026266-58-0	957.68	S							PAC 27 Listing Table 1
2842	2841	Sorbitan, monolaurate	1338-39-2	001338-39-2	346.52	S							PAC 27 Listing Table 1
2843	2842	Sorbitan, monooleate	1338-43-8	001338-43-8	428.68	L		7.600E+02	2.231E+02	1.030E-14	2.500E+01	1.030E-14	EPI Suite Modified Grain Method
2844	2843	Sorbitan, monooleate polyoxyethylene; (Polyethylene sorbitan monooleate; Tween 80)	9005-65-6	009005-65-6	1089.42	L		7.600E+02	1.075E+03	1.670E-35	2.500E+01	1.670E-35	EPI Suite Modified Grain Method
2845	2844	Sorbitan, monostearate	1338-41-6	001338-41-6	430.7	S	49-65						PAC 27 Listing Table 1
2846	2845	Sorbitol, D-; (D-Glucitol)	50-70-4	000050-70-4	182.2	S	9.750E+01		1.050E+02				PAC 27 Listing Table 1
2847	2846	Soybean oil; (Glycine soja)	8001-22-7	008001-22-7	879.41	L		7.600E+02	8.400E+02	5.090E-21	2.500E+01	5.090E-21	EPI Suite Modified Grain Method
2848	2847	Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-; (Fluorescein)	2321-07-5	002321-07-5	332.32	S	314-316						PAC 27 Listing Table 1
2849	2848	Squalene; (2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexene, (all-E)-)	111-02-4	000111-02-4	410.72	L	-7.500E+01	2.500E+01	2.850E+02	2.000E+00	2.400E+02	3.091E-10	Estimated using data from PAC 27 Listing Table 1
2850	2849	Stannic chloride; (Tin(IV) chloride; Tin(IV) tetrachloride)	7646-78-8	007646-78-8	260.49	L	-3.300E+01	7.600E+02	1.141E+02	1.000E+01	1.000E+01	2.249E+01	Estimated using data from PAC 27 Listing Table 1
2851	2850	Stannous chloride; (Tin(II) chloride (1:2))	7772-99-8	007772-99-8	189.59	S	2.460E+02		6.230E+02				PAC 27 Listing Table 1
2852	2851	Stannous octoate	301-10-0	000301-10-0	405.12	S							PAC 27 Listing Table 1
2853	2852	Starch dust	9005-25-8	009005-25-8		S	dec						PAC 27 Listing Table 1
2854	2853	Stibine; (Antimony hydride)	7803-52-3	007803-52-3	124.78	G	-8.800E+01		-1.840E+01	>760			PAC 27 Listing Table 1
2855	2854	Stilbene	588-59-0	000588-59-0	180.26	S	124-125		306-307				PAC 27 Listing Table 1
2856	2855	Stilbene 3; (Stilbene 420; Tinopal CBS; Disodium 4,4'-bis(2-sulfostryl)biphenyl)	27344-41-8	027344-41-8	562.58	S							PAC 27 Listing Table 1
2857	2856	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	8052-41-3	008052-41-3	144	L	-7.000E+01	7.600E+02	150-210	1.500E+00	2.500E+01	1.500E+00	PAC 27 Listing Table 1
2858	2857	Strontium	7440-24-6	007440-24-6	87.62	S	7.770E+02		1.382E+03	7.5x10-3	5.230E+02		PAC 27 Listing Table 1
2859	2858	Strontium carbonate	1633-05-2	001633-05-2	147.6292	S	1.494E+03		dec				PAC 27 Listing Table 1
2860	2859	Strontium chloride	10476-85-4	010476-85-4	158.52	S	8.740E+02		1.250E+03				PAC 27 Listing Table 1
2861	2860	Strontium hydroxide	18480-07-4	018480-07-4	121.63	S							PAC 27 Listing Table 1
2862	2861	Strontium nitrate	10042-76-9	010042-76-9	211.63	S	5.700E+02		6.450E+02				PAC 27 Listing Table 1
2863	2862	Strontium nitrite; (Nitrous acid, strontium salt)	13470-06-9	013470-06-9	179.62	S							PAC 27 Listing Table 1
2864	2863	Strontium oxalate	814-95-9	000814-95-9	175.64	S							PAC 27 Listing Table 1
2865	2864	Strontium phosphate; (Strontium orthophosphate)	14414-90-5	014414-90-5	452.80244	S							PAC 27 Listing Table 1
2866	2865	Strontium phosphide	12504-13-1	012504-13-1	324.9	S							PAC 27 Listing Table 1
2867	2866	Strontium sulfate	7759-02-6	007759-02-6	185.7	S	1.605E+03						PAC 27 Listing Table 1
2868	2867	Strychnine	57-24-9	000057-24-9	334.41	S	2.870E+02		270 @ 5 mmHg	0.000E+00	2.000E+01		PAC 27 Listing Table 1
2869	2868	Strychnine sulfate (2:1)	60-41-3	000060-41-3	383.49	S	2.000E+02		270 @ 5 mm	1.000E-08	2.500E+01		PAC 27 Listing Table 1
2870	2869	Styrene	100-42-5	000100-42-5	104.15	L	-3.065E+01	7.600E+02	1.450E+02	6.400E+00	2.500E+01	6.400E+00	CHAO,J ET AL. (1983)
2871	2870	Styrene oxide; (1,2-Epoxyethylbenzene)	96-09-3	000096-09-3	120.16	L	-3.670E+01	7.600E+02	1.942E+02	3.000E-01	2.500E+01	3.000E-01	LAPKIN,M (1965)
2872	2871	Styrene-allyl alcohol copolymer	25119-62-4	025119-62-4		S							PAC 27 Listing Table 1
2873	2872	Styrene-divinylbenzene resin, chloromethylated, aminated with trimethylamine; (Bio-Rad AG1-X8 anion exchange resin, formate form)	60177-39-1	060177-39-1		S							PAC 27 Listing Table 1
2874	2873	Styrenesulfonate; poly(sodium 4-	25704-18-1	025704-18-1	70000	S	460 dec						PAC 27 Listing Table 1
2875	2874	Succinic acid	110-15-6	000110-15-6	118.1	S	1.850E+02		2.350E+02				PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2876	2875	Succinic anhydride	108-30-5	000108-30-5	100.08	S	1.196E+02		2.610E+02	1.000E+00	9.200E+01		PAC 27 Listing Table 1
2877	2876	Succinimidyl-6-(beta-maleimidopropionamido)hexanoate; (SMPH)	z-0120	00000z-0120		S							PAC 27 Listing Table 1
2878	2877	Sucrose	57-50-1	000057-50-1	342.34	S	1.855E+02						PAC 27 Listing Table 1
2879	2878	Sucrose, diacetate hexaisobutyrate; (Sucrose acetate isobutyrate; SAIB)	126-13-6	000126-13-6	847.02	S							PAC 27 Listing Table 1
2880	2879	Sulfamic acid	5329-14-6	005329-14-6	97.09	S	~ 205 dec						PAC 27 Listing Table 1
2881	2880	Sulfanilamide	63-74-1	000063-74-1	172.22	S	1.655E+02						PAC 27 Listing Table 1
2882	2881	Sulfanilic acid	121-57-3	000121-57-3	173.2	S	288						PAC 27 Listing Table 1
2883	2882	Sulfonic acids, petroleum; (Petrolatum acid sulfonate)	61789-85-3	061789-85-3	464.75	L		7.600E+02	5.510E+02	2.620E-14	2.500E+01	2.620E-14	EPI Suite Modified Grain Method
2884	2883	Sulfonylbis-ethanol, 2,2'-	2580-77-0	002580-77-0	154.19	L		7.600E+02	3.154E+02	2.350E+01	2.000E+01	2.639E+01	BP from EPI Estimate. VP@25°C Estimated from BP and PAC table 1 VP@20°C
2885	2884	Sulfosalicylic acid	97-05-2	000097-05-2	218.19	S	1.200E+02						PAC 27 Listing Table 1
2886	2885	Sulfosalicylic acid, dihydrate, crystal	5965-83-3	005965-83-3	254.2112	S	108-110						PAC 27 Listing Table 1
2887	2886	Sulfotep; (TEDP)	3689-24-5	003689-24-5	322.34	S	8.800E+01		3.100E+02	1.050E-04	2.000E+01		PAC 27 Listing Table 1
2888	2887	Sulfur	7704-34-9	007704-34-9	32.07	S	9.530E+01		4.446E+02	7.5x10-3	1.020E+02		PAC 27 Listing Table 1
2889	2888	Sulfur dioxide	7446-09-5	007446-09-5	64.06	G	-7.550E+01		-1.005E+01	7.500E+02	-1.030E+01		PAC 27 Listing Table 1
2890	2889	Sulfur hexafluoride	2551-62-4	002551-62-4	146.06	G	-5.100E+01		1000 decomp	1.000E+02			PAC 27 Listing Table 1
2891	2890	Sulfur monochloride	10025-67-9	010025-67-9	135.02	L	-7.700E+01	7.600E+02	1.380E+02	1.000E+01	2.750E+01	8.736E+00	Estimated using data from PAC 27 Listing Table 1
2892	2891	Sulfur pentafluoride	5714-22-7	005714-22-7	254.12	L	-5.300E+01	7.600E+02	2.670E+01	5.610E+02	2.500E+01	5.610E+02	PAC 27 Listing Table 1
2893	2892	Sulfur tetrafluoride	7783-60-0	007783-60-0	108.06	G	-1.210E+02		-3.800E+01				PAC 27 Listing Table 1
2894	2893	Sulfur trioxide	7446-11-9	007446-11-9	80.06	L	1.680E+01	7.600E+02	4.470E+01	2.630E+02	2.500E+01	2.630E+02	EPI Suite Experimental Data
2895	2894	Sulfuric acid	7664-93-9	007664-93-9	98.08	L	1.031E+01	7.600E+02	3.370E+02	5.933E-05	2.500E+01	5.933E-05	DAUBERT,TE & DANNER,RP (1989)
2896	2895	Sulfuric acid-d2; (Deuterosulfuric acid)	13813-19-9	013813-19-9	100.09	L	1.031E+01	7.600E+02	2.900E+02	5.930E-05	2.500E+01	5.930E-05	EPI Suite Experimental Data
2897	2896	Sulfurous acid	7782-99-2	007782-99-2	82.08	L		7.600E+02	6.157E+02	2.680E-17	2.500E+01	2.680E-17	EPI Suite Modified Grain Method
2898	2897	Sulfuryl chloride	7791-25-5	007791-25-5	134.96	L	-5.410E+01	7.600E+02	6.910E+01	1.397E+02	2.500E+01	1.397E+02	DAUBERT,TE & DANNER,RP (1989)
2899	2898	Sulfuryl fluoride	2699-79-8	002699-79-8	102.06	G	-1.370E+02		-5.500E+01	1.200E+04	2.100E+01		PAC 27 Listing Table 1
2900	2899	Talc	14807-96-6	014807-96-6	96.33	S							PAC 27 Listing Table 1
2901	2900	Tall oil (alkyd resin)	68333-62-0	068333-62-0	412.57	L		7.600E+02	4.297E+02	3.350E-07	2.500E+01	3.350E-07	EPI Suite Modified Grain Method; as CAS 8002-26-4
2902	2901	Tantalum	7440-25-7	007440-25-7	180.948	S	2.996E+03		5.429E+03				PAC 27 Listing Table 1
2903	2902	Tantalum carbide	12070-06-3	012070-06-3	192.96	S	3.875E+03		5.500E+03				PAC 27 Listing Table 1
2904	2903	Tantalum(V) ethoxide	6074-84-6	006074-84-6	406.251	L	2.000E+01	7.600E+02	1.510E+02	8.280E+01	2.500E+01	8.280E+01	ChemSpider ACD Labs Physical Chemistry Suite
2905	2904	Tantalum(V) fluoride	7783-71-3	007783-71-3	275.95	S	9.680E+01		2.295E+02	1.000E+02	1.300E+02		PAC 27 Listing Table 1
2906	2905	Tantalum(V) oxide	1314-61-0	001314-61-0	441.9	S	1.872E+03						PAC 27 Listing Table 1
2907	2906	Tartaric acid	87-69-4	000087-69-4	150.1	S	170-172						PAC 27 Listing Table 1
2908	2907	Tartaric acid, monopotassium salt	868-14-4	000868-14-4	188.19	S							PAC 27 Listing Table 1
2909	2908	Tartaric acid, monosodium salt	526-94-3	000526-94-3	172.08	S							PAC 27 Listing Table 1
2910	2909	Technetium(IV) oxide	12036-16-7	012036-16-7	130	S							PAC 27 Listing Table 1
2911	2910	Tellurium	13494-80-9	013494-80-9	127.6	S	4.495E+02		9.880E+02	7.500E-01	5.020E+02		PAC 27 Listing Table 1
2912	2911	Tellurium chloride	10026-07-0	010026-07-0	269.4	S	2.240E+02		3.800E+02				PAC 27 Listing Table 1
2913	2912	Tellurium hexafluoride	7783-80-4	007783-80-4	241.59	G	-37.6		-38.9 subl	7.600E+02	2.000E+01		PAC 27 Listing Table 1
2914	2913	Tellurium oxide; (Tellurium dioxide)	7446-07-3	007446-07-3	159.6	S	7.330E+02		1.245E+03				PAC 27 Listing Table 1
2915	2914	Tellurous acid	10049-23-7	010049-23-7	177.614	G							PAC 27 Listing Table 1
2916	2915	Terbium	7440-27-9	007440-27-9	158.9254	S	1356		3.230E+03				PAC 27 Listing Table 1
2917	2916	Terbium oxide	12036-41-8	012036-41-8	365.849	S	2.410E+03						PAC 27 Listing Table 1
2918	2917	Terbium(III,IV) oxide	12037-01-3	012037-01-3	747.6974	S	2340						PAC 27 Listing Table 1
2919	2918	Terbufos	13071-79-9	013071-79-9	288.45	L	-2.900E+01	7.600E+02	3.150E+02	3.000E-04	2.500E+01	3.000E-04	PAC 27 Listing Table 1
2920	2919	Terephthalic acid	100-21-0	000100-21-0	166.14	S			300 subl				PAC 27 Listing Table 1
2921	2920	Terephthaloyl chloride	100-20-9	000100-20-9	203.02	S	83-84		2.660E+02				PAC 27 Listing Table 1
2922	2921	Terphenyl, p-	92-94-4	000092-94-4	230.32	S	212-213		259 @ 45 mm				PAC 27 Listing Table 1
2923	2922	Terphenyls; (Diphenylbenzene)	26140-60-3	026140-60-3	230.32	S							PAC 27 Listing Table 1
2924	2923	Tert-butyl alcohol; (tert-Butanol)	75-65-0	000075-65-0	74.14	L	2.550E+01	7.600E+02	8.280E+01	4.070E+01	2.500E+01	4.070E+01	DAUBERT,TE & DANNER,RP (1989)
2925	2924	Tert-butyl benzoic acid, p-	98-73-7	000098-73-7	178.25	S	164.5						PAC 27 Listing Table 1
2926	2925	Tert-butyl lithium	594-19-4	000594-19-4	64.06	S			Subl @ 0.1 C				PAC 27 Listing Table 1
2927	2926	Tert-butylphenol, p-; (Tert-butylphenol, 4-)	98-54-4	000098-54-4	150.24	S	99		236-238	1.000E+00	7.000E+01		PAC 27 Listing Table 1
2928	2927	Tert-butylpyridine, 4-	3978-81-2	003978-81-2	135.2084	L	-4.100E+01	7.600E+02	1.965E+02	4.290E-01	2.500E+01	4.290E-01	EPI Suite Mean VP of Antoine and Grain Methods
2929	2928	Tetraamminepalladium(II) nitrate	13601-08-6	013601-08-6	298.54	S							PAC 27 Listing Table 1
2930	2929	Tetrabromoethane, 1,1,2,2-; (Acetylene tetrabromide)	79-27-6	000079-27-6	345.68	L	-1.000E+00	5.400E+01	1.510E+02	2.000E-02	2.500E+01	2.000E-02	DAUBERT,TE & DANNER,RP (1989)
2931	2930	Tetrabutyl ammonium phosphate	5574-97-0	005574-97-0	339.46	S							PAC 27 Listing Table 1
2932	2931	Tetrabutyl titanate; (Butyl titanate)	5593-70-4	005593-70-4	340.32	L	-5.500E+01	7.600E+02	2.924E+02	1.100E+01	2.000E+01	1.275E+01	MSDS FeidianChem
2933	2932	Tetrabutylammonium fluoride; (N,N,N-Tributyl-1-butanaminium, fluoride)	429-41-4	000429-41-4	261.46	L	5.600E+01	7.600E+02	4.488E+02	1.410E-08	2.500E+01	1.410E-08	EPI Suite Modified Grain Method
2934	2933	Tetrabutylammonium hydroxide	2052-49-5	002052-49-5	259.54	S	2.500E+01						PAC 27 Listing Table 1
2935	2934	Tetrabutylammonium nitrate	1941-27-1	001941-27-1	304.54	S	118-120						PAC 27 Listing Table 1
2936	2935	Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0	000076-12-0	203.82	L	2.465E+01	7.680E+02	9.280E+01	5.050E+01	2.500E+01	5.050E+01	DAUBERT,TE & DANNER,RP (1989)
2937	2936	Tetrachlorobenzene, 1,2,3,4-	634-66-2	000634-66-2	215.88	S	46-47		2.540E+02	3.900E-02	2.500E+01		PAC 27 Listing Table 1

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	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
2938	2937	Tetrachlorobenzene, 1,2,4,5-	95-94-3	000095-94-3	215.89	S	1.395E+02		2.445E+02	5.400E-03	2.500E+01		PAC 27 Listing Table 1
2939	2938	Tetrachlorodibenzofuran, 2,3,7,8-	51207-31-9	051207-31-9	305.97	S	2.270E+02						PAC 27 Listing Table 1
2940	2939	Tetrachlorodibenzo-p-dioxin, 1,2,3,8-	53555-02-5	053555-02-5	321.96	S							PAC 27 Listing Table 1
2941	2940	Tetrachloroethane (mixed isomers)	25322-20-7	025322-20-7	167.85	L				1.330E+01	2.500E+01	1.330E+01	PAC 27 Listing Table 1
2942	2941	Tetrachloroethane, 1,1,1,2-	630-20-6	000630-20-6	167.85	L	-7.020E+01	7.600E+02	1.302E+02	1.200E+01	2.500E+01	1.200E+01	DAUBERT,TE & DANNER,RP (1989)
2943	2942	Tetrachloroethane, 1,1,2,2-	79-34-5	000079-34-5	167.85	L	-4.240E+01	7.600E+02	1.452E+02	4.620E+00	2.500E+01	4.620E+00	DAUBERT,TE & DANNER,RP (1985)
2944	2943	Tetrachlorohexafluorobutane, 2,2,3,3,-; (FLON; CFC316)	375-34-8	000375-34-8	303.84	G							PAC 27 Listing Table 1
2945	2944	Tetrachlorosilane; (Silicon chloride)	10026-04-7	010026-04-7	169.89	L	-7.000E+01	7.680E+02	5.757E+01	2.364E+02	2.500E+01	2.364E+02	DAUBERT,TE & DANNER,RP (1989)
2946	2945	Tetracosafuorotetradecahydro-phenanthrene; (Perfluorophenanthrene)	306-91-2	000306-91-2	624.0936	L	-2.000E+01	7.600E+02	2.170E+02	3.210E-01	2.500E+01	3.210E-01	EPI Suite Mean VP of Antoine and Grain Methods
2947	2946	Tetracyanoquinodimethane	1518-16-7	001518-16-7	204.2	S	293.5 subl						PAC 27 Listing Table 1
2948	2947	Tetracycline hydrochloride	64-75-5	000064-75-5	280.94	S	170-175		214 decom				PAC 27 Listing Table 1
2949	2948	Tetradecafluorohexane; (Perfluoro-n-hexane; Fluorinert FC72)	355-42-0	000355-42-0	338.06	L	-8.820E+01	7.680E+02	5.660E+01	2.179E+02	2.500E+01	2.179E+02	BOUBLIK,T ET AL. (1984)
2950	2949	Tetradecane; (n-Tetradecane)	629-59-4	000629-59-4	198.44	L	5.500E+00	7.600E+02	2.537E+02	1.160E-02	2.500E+01	1.160E-02	PAC 27 Listing Table 1
2951	2950	Tetradecanoic acid; (Myristic acid)	544-63-8	000544-63-8	228.36	S	5.400E+01		3.262E+02				PAC 27 Listing Table 1
2952	2951	Tetradecyltrimethylammonium bromide	1119-97-7	001119-97-7	336.47	S	245-250						PAC 27 Listing Table 1
2953	2952	Tetraethyl lead	78-00-2	000078-00-2	323.47	L	1.250E+02	7.600E+02	1.980E+02	2.600E-01	2.500E+01	2.600E-01	WANG,Y ET AL. (1996)
2954	2953	Tetraethyl orthosilicate; (Ethyl silicate; Tetraethoxysilane)	78-10-4	000078-10-4	208.33	L	-8.250E+01	7.600E+02	1.688E+02	1.883E+00	2.500E+01	1.883E+00	PERRY,RH & GREEN,D (1984)
2955	2954	Tetraethyl pyrophosphate; (TEPP)	107-49-3	000107-49-3	290.22	L	0.000E+00	7.600E+02	3.100E+02	4.700E-04	2.500E+01	4.700E-04	PAC 27 Listing Table 1
2956	2955	Tetraethylammonium chloride	56-34-8	000056-34-8	165.74	S	39						PAC 27 Listing Table 1
2957	2956	Tetraethylene glycol	112-60-7	000112-60-7	194.26	L	-6.000E+00	7.600E+02	3.273E+02	4.650E-05	2.500E+01	4.650E-05	YAWS,CL (1994B)
2958	2957	Tetraethylene glycol diacrylate	17831-71-9	017831-71-9	302.36	S	1.120E+02						PAC 27 Listing Table 1
2959	2958	Tetraethylenepentamine	112-57-2	000112-57-2	189.36	L	-4.000E+01	7.600E+02	3.330E+02	8.000E-07	2.500E+01	8.000E-07	DAUBERT,TE & DANNER,RP (1991)
2960	2959	Tetraethyltin; (Tetraethylstannane)	597-64-8	000597-64-8	234.97	L	-1.120E+02	7.600E+02	1.810E+02	2.000E+00	2.500E+01	2.000E+00	PAC 27 Listing Table 1
2961	2960	Tetrafluoroethane, 1,1,1,2,-; (HFC 134a)	811-97-2	000811-97-2	102.04	G			-2.620E+01	9.600E+01	2.500E+01		PAC 27 Listing Table 1
2962	2961	Tetrafluoroethane, 1,1,2,2,-; (HFC 134)	359-35-3	000359-35-3	102.031	G	-8.900E+01		-1.990E+01				PAC 27 Listing Table 1
2963	2962	Tetrafluoroethylene	116-14-3	000116-14-3	100.02	G	-1.312E+02		-7.590E+01	7.500E+02	-7.580E+01		PAC 27 Listing Table 1
2964	2963	Tetrafluorohydrazine	10036-47-2	010036-47-2	104	G	-1.630E+02		-7.300E+01				PAC 27 Listing Table 1
2965	2964	Tetrahydro-2,5-dimethyl furan	1003-38-9	001003-38-9	100.18	L	-6.769E+01	7.600E+02	9.200E+01	3.640E+01	2.500E+01	3.640E+01	EPI Suite Mean VP of Antoine and Grain Methods
2966	2965	Tetrahydrofuran	109-99-9	000109-99-9	72.11	L	-1.084E+02	7.600E+02	6.500E+01	1.622E+02	2.500E+01	1.622E+02	DAUBERT,TE & DANNER,RP (1989)
2967	2966	Tetrahydrofuran-d8	1693-74-9	001693-74-9	80.1554	L	-1.060E+02	7.600E+02	6.500E+01	1.620E+02	2.500E+01	1.620E+02	Based upon Tetrahydrofuran, CAS 000109-99-9; EPI Suite Experimental Data
2968	2967	Tetrahydromethyl-1,3-isobenzofurandione, 3A,4,7,7A,-; (Methyltetrahydrophthalic anhydride)	26590-20-5	026590-20-5	166.19	S							PAC 27 Listing Table 1
2969	2968	Tetrahydronaphthalene, 1,2,3,4,-; (Tetralin)	119-64-2	000119-64-2	132.22	L	-3.100E+01	7.600E+02	2.072E+02	3.680E-01	2.500E+01	3.680E-01	DAUBERT,TE & DANNER,RP (1989)
2970	2969	Tetrahydropyridine, 1,2,3,6-	694-05-3	000694-05-3	83.13	L	-4.800E+01	7.600E+02	1.080E+02	2.650E+01	2.500E+01	2.650E+01	EPI Suite Mean VP of Antoine and Grain Methods
2971	2970	Tetramethoxypropane, 1,1,3,3,-; (Malonaldehyde bis(dimethyl acetal))	102-52-3	000102-52-3	164.2	S			1.830E+02				PAC 27 Listing Table 1
2972	2971	Tetramethoxysilane; (Methyl silicate)	681-84-5	000681-84-5	152.22	L	-1.000E+00	7.600E+02	1.210E+02	7.500E+00	1.440E+01	1.376E+01	Estimated using data from PAC 27 Listing Table 1
2973	2972	Tetramethyl ammonium, tetrahydroborate(1-)	16883-45-7	016883-45-7	89.02	S	150						PAC 27 Listing Table 1
2974	2973	Tetramethyl ethylene diamine	110-18-9	000110-18-9	116.24	L	-5.500E+01	7.600E+02	1.200E+02	1.500E+01	2.500E+01	1.500E+01	EPI Suite Mean VP of Antoine and Grain Methods
2975	2974	Tetramethyl lead	75-74-1	000075-74-1	267.35	L	-2.750E+01	7.600E+02	1.100E+02	2.600E+01	2.500E+01	2.600E+01	WANG,Y ET AL. (1996)
2976	2975	Tetramethyl-1,3-butanediamine, N,N,N',N'-; (Tetramethyl butanediamine)	97-84-7	000097-84-7	144.3	L	-3.461E+01	7.600E+02	1.650E+02	1.980E+00	2.500E+01	1.980E+00	EPI Suite Mean VP of Antoine and Grain Methods
2977	2976	Tetramethyl-3,5-heptanedione, 2,2,6,6,-; (Dipivaloylmethane)	1118-71-4	001118-71-4	184.28	L		3.500E+01	9.300E+01	1.400E-01	2.500E+01	1.400E-01	EPI Suite Modified Grain Method
2978	2977	Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	000126-86-3	226.36	S	4.700E+01		165 @ 40 mmHg				PAC 27 Listing Table 1
2979	2978	Tetramethylammonium chloride	75-57-0	000075-57-0	109.62	S	> 300						PAC 27 Listing Table 1
2980	2979	Tetramethylammonium hydroxide	75-59-2	000075-59-2	91.18	L	6.500E+01	7.600E+02	1.020E+02	2.580E-07	2.500E+01	2.580E-07	EPI Suite Modified Grain Method
2981	2980	Tetramethylammonium hydroxide pentahydrate	10424-65-4	010424-65-4	181.2288	S	65						PAC 27 Listing Table 1
2982	2981	Tetramethylammonium silicate	53116-81-7	053116-81-7	211.32	S	6.800E+01			9.700E+01	2.000E+01		Crystalline solid
2983	2982	Tetramethylbenzene, 1,2,3,5-	527-53-7	000527-53-7	134.24	L	-2.400E+01	7.680E+02	1.970E+02	4.977E-01	2.500E+01	4.977E-01	YAWS,CL (1994B)
2984	2983	Tetramethylbenzene, 1,2,4,5-	95-93-2	000095-93-2	134.24	S	79.3		1.960E+02				PAC 27 Listing Table 1
2985	2984	Tetramethylbenzidine, 3,3',5',5'-	54827-17-7	054827-17-7	240.38	S	168-169.5						PAC 27 Listing Table 1
2986	2985	Tetramethylene sulfone; (Sulfolane; Tetrahydrothiophene-1,1-dioxide)	126-33-0	000126-33-0	120.18	S	2.740E+01	7.600E+02	2.850E+02				PAC 27 Listing Table 1
2987	2986	Tetramethylsilane	75-76-3	000075-76-3	88.23	L	-9.900E+01	7.680E+02	2.600E+01	7.178E+02	2.500E+01	7.178E+02	BOUBLIK,T ET AL. (1984)
2988	2987	Tetranitromethane	509-14-8	000509-14-8	196.03	L	1.380E+01	7.600E+02	1.261E+02	8.420E+00	2.500E+01	8.420E+00	BOUBLIK,T ET AL. (1984)
2989	2988	Tetraoxadodecane, 2,5,8,11-	112-49-2	000112-49-2	178.26	L	-4.500E+01	7.680E+02	2.160E+02	4.033E-02	2.500E+01	4.033E-02	YAWS,CL (1994)
2990	2989	Tetraoxatetracosan-1-ol, 3,6,9,12,-; ((Lauryl alcohol tri(oxyethylene) ethanol; BRIJ 30)	5274-68-0	005274-68-0	362.5488	L		2.470E+02	1.000E+01	1.520E-09	2.500E+01	1.520E-09	EPI Suite Modified Grain Method
2991	2990	Tetraphenylarsonium chloride; (Tetraphenylarsenium chloride)	507-28-8	000507-28-8	418.81	S	258-260						PAC 27 Listing Table 1
2992	2991	Tetrapotassium ethylenediaminetetraacetate; (EDTA tetrapotassium salt)	5964-35-2	005964-35-2	444.64	S							PAC 27 Listing Table 1
2993	2992	Tetrapropoxysilane	682-01-9	000682-01-9	264.43	L		7.600E+02	9.400E+01	5.440E-02	2.500E+01	5.440E-02	EPI Suite Modified Grain Method
2994	2993	Tetrapropylammonium hydroxide	4499-86-9	004499-86-9	203.42	L		7.600E+02	1.020E+02	1.140E-10	2.500E+01	1.140E-10	EPI Suite Modified Grain Method
2995	2994	Tetrapropylorthotitanate	3087-37-4	003087-37-4	284.2178	S	206 @ 100mm		170 @ 38C				PAC 27 Listing Table 1
2996	2995	Tetrasodium pyrophosphate	7722-88-5	007722-88-5	265.9	S	9.930E+02						PAC 27 Listing Table 1
2997	2996	Tetrazole, 1H-	288-94-8	000288-94-8	70.05	S	156-158						PAC 27 Listing Table 1
2998	2997	Thallium	7440-28-0	007440-28-0	204.38	S	3.040E+02		1.473E+03	7.5x10-3	6.090E+02		PAC 27 Listing Table 1
2999	2998	Thallium chloride; (Thallium(I) chloride)	7791-12-0	007791-12-0	239.84	S	4.310E+02		7.200E+02	7.500E+00	5.040E+02		PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
3000	2999	Thallium hydroxide	12026-06-1	012026-06-1	221.39	S	139 dec						PAC 27 Listing Table 1
3001	3000	Thallium nitrate; (Thallium(I) nitrate)	10102-45-1	010102-45-1	266.39	S	2.060E+02		450 dec				PAC 27 Listing Table 1
3002	3001	Thallium nitrite	13826-63-6	013826-63-6	250.38	S							PAC 27 Listing Table 1
3003	3002	Thallium oxide	1314-12-1	001314-12-1	424.77	S	5.790E+02		~1080				PAC 27 Listing Table 1
3004	3003	Thallium sulfate; (Sulfuric acid, dithallium(1+) salt)	10031-59-1	010031-59-1	1526.25	S	6.320E+02		decom				PAC 27 Listing Table 1
3005	3004	Thallium(I) acetate; (Acetic acid, thallium(1+) salt)	563-68-8	000563-68-8	263.42	S	1.310E+02						PAC 27 Listing Table 1
3006	3005	Thallium(I) carbonate (2:1)	6533-73-9	006533-73-9	468.78	S	2.730E+02			<1E-6	2.500E+01		PAC 27 Listing Table 1
3007	3006	Thallium(I) sulfate; (Sulfuric acid, dithallium(1+) salt)	7446-18-6	007446-18-6	504.8	S	6.320E+02		decom				PAC 27 Listing Table 1
3008	3007	Thallium(III) oxide; (Thallium sesquioxide; Thallic oxide)	1314-32-5	001314-32-5	456.77	S	8.340E+02						PAC 27 Listing Table 1
3009	3008	Thallium(III) perchlorate hexahydrate	15596-83-5	015596-83-5	610.83	S							PAC 27 Listing Table 1
3010	3009	Thallous malonate	2757-18-8	002757-18-8	510.79	S							PAC 27 Listing Table 1
3011	3010	Thenoyltrifluoroacetone	326-91-0	000326-91-0	221.19	S	4.280E+01		97 @ 8 mmHg				PAC 27 Listing Table 1
3012	3011	Thioacetamide	62-55-5	000062-55-5	75.13	S	1.155E+02						PAC 27 Listing Table 1
3013	3012	Thioacetic acid	507-09-5	000507-09-5	76.12	L	-1.700E+01	7.600E+02	9.300E+01	5.050E+01	2.500E+01	5.050E+01	EPI Suite Mean VP of Antoine and Grain Methods
3014	3013	Thiobis(4-chloro-6-methyl)phenol, 2,2'-	4418-66-0	004418-66-0	315.22	S			4.430E+02	1.000E-07	2.500E+01		PAC 27 Listing Table 1
3015	3014	Thiocarbazide; (Thiocarbohydrazide)	2231-57-4	002231-57-4	106.17	S	1.640E+02						PAC 27 Listing Table 1
3016	3015	Thiocresol, p-; (p-Toluenethiol)	106-45-6	000106-45-6	124.21	S	43-44		1.950E+02	8.070E-01	2.500E+01		PAC 27 Listing Table 1
3017	3016	Thiocyanic acid, compound with guanidine (1:1); (Guanidine thiocyanate salt)	593-84-0	000593-84-0	118.18	S	114-117						PAC 27 Listing Table 1
3018	3017	Thiodiglycol	111-48-8	000111-48-8	122.2	L	-1.600E+01	2.000E+01	1.640E+02	3.230E-03	2.500E+01	3.230E-03	DAUBERT,TE & DANNER,RP (1989)
3019	3018	Thiofanox; (Dacamox)	39196-18-4	039196-18-4	218.32	S	5.700E+01			1.7x10-4	2.500E+01		PAC 27 Listing Table 1
3020	3019	Thionazin; (Ethyl pyrazinyl phosphorothioate)	297-97-2	000297-97-2	248.26	L	-1.700E+00	7.600E+02	8.000E+01	3.000E-03	2.500E+01	3.000E-03	BACCI,E ET AL. (1990)
3021	3020	Thionyl chloride	7719-09-7	007719-09-7	118.96	L	-1.050E+02	7.600E+02	7.880E+01	1.193E+02	2.500E+01	1.193E+02	DAUBERT,TE & DANNER,RP (1989)
3022	3021	Thiophosphoryl chloride	3982-91-0	003982-91-0	169.38	G	-3.500E+01	7.600E+02	1.250E+02	1.635E+03	2.500E+01		PAC 27 Listing Table 1
3023	3022	Thiosemicarbazide	79-19-6	000079-19-6	91.14	S	1.830E+02						PAC 27 Listing Table 1
3024	3023	Thiourea	62-56-6	000062-56-6	76.12	S	1.780E+02		dec	2.8x10-3	2.500E+01		PAC 27 Listing Table 1
3025	3024	Thiram; (Tetramethylthioperoxydicarbonic diamide)	137-26-8	000137-26-8	240.44	S	1.560E+02		129 @ 20°C	1.700E-05	2.500E+01		PAC 27 Listing Table 1
3026	3025	Thorium	7440-29-1	007440-29-1	232	S	1.750E+03		4.500E+03				PAC 27 Listing Table 1
3027	3026	Thorium hydroxide	13825-36-0	013825-36-0	300.07	S							PAC 27 Listing Table 1
3028	3027	Thorium nitrite	z-0079	00000z-0079	416.03	S							PAC 27 Listing Table 1
3029	3028	Thorium oxalate	2040-52-0	002040-52-0	444.03	S	300-400 dec.						PAC 27 Listing Table 1
3030	3029	Thorium oxide; (Thorium dioxide)	1314-20-1	001314-20-1	264	S	3.390E+03		4.400E+03				PAC 27 Listing Table 1
3031	3030	Thorium perchlorate	16045-17-3	016045-17-3	331.4887	S							PAC 27 Listing Table 1
3032	3031	Thorium(IV) nitrate	13823-29-5	013823-29-5	480.04	S	500 dec						PAC 27 Listing Table 1
3033	3032	Thulium	7440-30-4	007440-30-4	168.934	S	1545		1.950E+03				PAC 27 Listing Table 1
3034	3033	Thulium chloride	13537-18-3	013537-18-3	275.28	S	8.240E+02		1.440E+03				PAC 27 Listing Table 1
3035	3034	Thulium oxide	12036-44-1	012036-44-1	385.87	S	2.425E+03						PAC 27 Listing Table 1
3036	3035	Thymol blue; (6,6'-(3H-2,1-benzoxathiol-3-ylidene)dithymol, S,S-dioxide)	76-61-9	000076-61-9	466.63	S	2.230E+02						PAC 27 Listing Table 1
3037	3036	Thydodene; (Amylodextrin)	9005-84-9	009005-84-9		S							PAC 27 Listing Table 1
3038	3037	Tin	7440-31-5	007440-31-5	118.71	S	2.319E+02		2.602E+03	7.5x10-3	1.224E+03		PAC 27 Listing Table 1
3039	3038	Tin fluoroborate	13814-97-6	013814-97-6	292.297224	S							PAC 27 Listing Table 1
3040	3039	Tin hydroxide	12026-24-3	012026-24-3	152.73	S							PAC 27 Listing Table 1
3041	3040	Tin nitrate	41480-79-9	041480-79-9	242.68	S							PAC 27 Listing Table 1
3042	3041	Tin nitrite	100737-27-7	100737-27-7	210.69	S							PAC 27 Listing Table 1
3043	3042	Tin(II) chloride dihydrate; (Stannous chloride dihydrate)	10025-69-1	010025-69-1	225.63	S	3.770E+01		6.520E+02				PAC 27 Listing Table 1
3044	3043	Tin(II) oxide	1332-29-2	001332-29-2	150.69	S	1.630E+03		1800+ subl				PAC 27 Listing Table 1
3045	3044	Tin(II) sulfate; (Stannous sulfate)	7488-55-3	007488-55-3	214.75	S	378 dec						PAC 27 Listing Table 1
3046	3045	Tin(IV) isopropoxide	1184-61-8	001184-61-8	415.1534	S							PAC 27 Listing Table 1
3047	3046	Tin(IV) oxide; (Stannic oxide)	18282-10-5	018282-10-5	150.69	S	1.630E+03		1800 dec				PAC 27 Listing Table 1
3048	3047	Titanium	7440-32-6	007440-32-6	47.87	S	1.668E+03		3.287E+03	7.5x10-3	1.709E+03		PAC 27 Listing Table 1
3049	3048	Titanium aluminide	39410-63-4	039410-63-4	74.8614	S							PAC 27 Listing Table 1
3050	3049	Titanium boride	12045-63-5	012045-63-5	69.5	S	2593 - 2980		3.899E+03				PAC 27 Listing Table 1
3051	3050	Titanium carbide	12070-08-5	012070-08-5	59.91	S	3.067E+03		4.820E+03				PAC 27 Listing Table 1
3052	3051	Titanium chloride	7705-07-9	007705-07-9	154.25	L	-3.000E+01	7.600E+02	1.364E+02	1.000E+01	2.130E+01	1.211E+01	Estimated using data from PAC 27 Listing Table 1
3053	3052	Titanium hydride	7704-98-5	007704-98-5	49.92	S							PAC 27 Listing Table 1
3054	3053	Titanium oxide; (Titanium dioxide)	13463-67-7	013463-67-7	79.9	S	1.843E+03		2500-3000				PAC 27 Listing Table 1
3055	3054	Titanium tetrachloride	7550-45-0	007550-45-0	189.68	L	-2.412E+01	7.600E+02	1.365E+02	8.590E+00	2.000E+01	1.119E+01	Estimated using data from PAC 27 Listing Table 1
3056	3055	Titanium(II) oxide	12137-20-1	012137-20-1	63.88	S							PAC 27 Listing Table 1
3057	3056	Titanium(III) fluoride	13470-08-1	013470-08-1	104.88	S	1.200E+03		1.400E+03				PAC 27 Listing Table 1
3058	3057	Titanium-based alloy; (Titanium compounds)	z-0081	00000z-0081		S							PAC 27 Listing Table 1
3059	3058	Toluene	108-88-3	000108-88-3	92.14	L	-9.495E+01	7.600E+02	1.106E+02	2.840E+01	2.500E+01	2.840E+01	DAUBERT,TE & DANNER,RP (1985)
3060	3059	Toluene diisocyanate (mixed isomers)	26471-62-5	026471-62-5	174.16	L	1.100E+01	7.600E+02	2.510E+02	2.300E-02	2.500E+01	2.300E-02	PAC 27 Listing Table 1
3061	3060	Toluene diisocyanate, trimethylolpropane, epsilon-caprolactone polymer, methylated	71342-93-3	071342-93-3		S							PAC 27 Listing Table 1
3062	3061	Toluene-2,4-diisocyanate; (TDI)	584-84-9	000584-84-9	174.16	S	2.050E+01		2.510E+02	7.5x10-2	3.900E+01		PAC 27 Listing Table 1
3063	3062	Toluene-2,6-diamine; (2-Methyl-1,3-benzenediamine)	823-40-5	000823-40-5	122.19	S	1.050E+02				2.13 kPa		PAC 27 Listing Table 1

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	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
3064	3063	Toluene-2,6-diisocyanate	91-08-7	000091-08-7	174.17	L		1.800E+01	1.290E+02	2.090E-02	2.500E+01	2.090E-02	DAUBERT,TE & DANNER,RP (1996)
3065	3064	Toluene-d8; (Deuterated toluene)	2037-26-5	002037-26-5	100.189	L	-8.400E+01	7.600E+02	1.100E+02	2.840E+01	2.500E+01	2.840E+01	EPI Suite Experimental Data
3066	3065	Toluenediamine, 2,4-; (2,4-Diaminotoluene)	95-80-7	000095-80-7	122.17	S	9.900E+01		2.920E+02	7.500E-01	1.004E+02		PAC 27 Listing Table 1
3067	3066	Toluenesulfonamide, p-; (Pasam)	70-55-3	000070-55-3	171.23	S	138 (anhyd); 105 (hydrate)		221 @ 10 mm Hg	9.600E-05	2.500E+01		PAC 27 Listing Table 1
3068	3067	Toluenesulfonic acid, methyl ester, p-	80-48-8	000080-48-8	186.24	S	27.5		144.5 @5mm				PAC 27 Listing Table 1
3069	3068	Toluenesulfonyl chloride, p-	98-59-9	000098-59-9	190.64	S	69 - 71		152 @ 20 mm	1.000E+00	8.800E+01		PAC 27 Listing Table 1
3070	3069	Toluenesulphonic acid monohydrate, para-; (4-Methylbenzenesulphonic acid monohydrate)	6192-52-5	006192-52-5	190.23	S	1.070E+02		140 @ 20 mm				PAC 27 Listing Table 1
3071	3070	Toluenethiol, m-	108-40-7	000108-40-7	124.21	L				5.530E-01	2.500E+01	5.530E-01	CHAO,J ET AL. (1983)
3072	3071	Toluidine, m-; (3-Methylaniline)	108-44-1	000108-44-1	107.17	L	-4.360E+01	7.600E+02	2.033E+02	3.030E-01	2.500E+01	3.030E-01	DAUBERT,TE & DANNER,RP (1989)
3073	3072	Toluidine, o-	95-53-4	000095-53-4	107.15	L	-1.441E+01	7.600E+02	2.003E+02	2.600E-01	2.500E+01	2.600E-01	DAUBERT,TE & DANNER,RP (1989)
3074	3073	Toluidine, p-; (4-Methylbenzenamine)	106-49-0	000106-49-0	107.17	L	4.200E+01	7.600E+02	2.004E+02	2.863E-01	2.500E+01	2.863E-01	CHAO,J ET AL. (1983)
3075	3074	Toxaphene; (Chlorinated camphene)	8001-35-2	008001-35-2	414	S	65-90		dec	6.69x10-6	2.000E+01		PAC 27 Listing Table 1
3076	3075	Trans-1,4-dichlorobutene; (2-Butylene dichloride)	110-57-6	000110-57-6	125	L	3.580E+04	7.600E+02	1.560E+02	6.000E+00	2.500E+01	6.000E+00	PAC 27 Listing Table 1
3077	3076	Transformer oil; (Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic)	64742-53-6	064742-53-6		L		7.600E+02	1.540E+02	3.750E-03	2.000E+01	7.206E-03	MSDS Shell Gravex Oil
3078	3077	Tri(2-ethylhexyl) phosphate; (Tris(2-ethylhexyl)phosphate)	78-42-2	000078-42-2	434.72	L	-7.400E+01	7.600E+02	2.269E+02	8.250E-08	2.500E+01	8.250E-08	HINCKLEY,DA ET AL. (1990)
3079	3078	Triacetin; (Triacetyl glycerin)	102-76-1	000102-76-1	218.23	L	-7.800E+01	7.680E+02	2.580E+02	2.480E-03	2.500E+01	2.480E-03	DAUBERT,TE & DANNER,RP (1989)
3080	3079	Triamiphos	1031-47-6	001031-47-6	294.34	S	167-168		4.000E+02	1.000E-07	2.500E+01		PAC 27 Listing Table 1
3081	3080	Triaryl sulfonium chloride salts	109037-76-5	109037-76-5	284.04	S							PAC 27 Listing Table 1
3082	3081	Triazine-1,3,5(2H,4H,6H)-trithanol, s-; (Onyxide 200)	4719-04-4	004719-04-4	219.33	S							PAC 27 Listing Table 1
3083	3082	Triazofos; (Triazophos)	24017-47-8	024017-47-8	313.34	L	5.000E+00	7.600E+02	3.500E+02	1.000E-05	2.500E+01	1.000E-05	PAC 27 Listing Table 1
3084	3083	Tribenzylamine	620-40-6	000620-40-6	287.4036	S	90-92			380-390			PAC 27 Listing Table 1
3085	3084	Tributyl citrate	77-94-1	000077-94-1	360.5	L	-2.000E+01	2.330E+02	2.000E+01	3.310E-05	2.500E+01	3.310E-05	EPI Suite Modified Grain Method
3086	3085	Tributyl phosphate	126-73-8	000126-73-8	266.31	L	-8.000E+01	7.600E+02	2.890E+02	1.130E-03	2.500E+01	1.130E-03	SKENE,WG & KRZMIEN,ME (1995)
3087	3086	Tributyl(2,4-dichlorobenzyl)phosphonium chloride	115-78-6	000115-78-6	397.83	S	114-120						PAC 27 Listing Table 1
3088	3087	Tributyl-1-butanaminium iodide, N,N,N-; (Tetrabutylammonium iodide)	311-28-4	000311-28-4	369.43	S	146-148						PAC 27 Listing Table 1
3089	3088	Tributylphosphine	998-40-3	000998-40-3	202.36	L		7.600E+02	2.400E+02	1.600E+01	1.210E+02	7.518E-02	Estimated using data from PAC 27 Listing Table 1
3090	3089	Tributyltetradecylphosphonium chloride	81741-28-8	081741-28-8		S							PAC 27 Listing Table 1
3091	3090	Trichloramine; (Nitrogen chloride)	10025-85-1	010025-85-1	120.36	L	-4.000E+01	7.600E+02	7.100E+01	1.500E+02	2.000E+01	1.802E+02	Estimated using data from PAC 27 Listing Table 1
3092	3091	Trichloro(dichlorophenyl) silane; (Dichlorophenyltrichlorosilane)	27137-85-5	027137-85-5	280.43	L		7.600E+02	2.600E+02	7.000E+01	2.500E+01	7.000E+01	PAC 27 Listing Table 1
3093	3092	Trichloro-2,2,2-trifluoroethane, 1,1,1-	354-58-5	000354-58-5	187.37	L	1.420E+01	7.600E+02	4.580E+01	3.600E+02	2.500E+01	3.600E+02	PAC 27 Listing Table 1
3094	3093	Trichloro-2-nitrosobenzene, 1,3,5-	1196-13-0	001196-13-0	210.44	S							PAC 27 Listing Table 1
3095	3094	Trichloroacetaldehyde hydrate; (Chloral hydrate)	302-17-0	000302-17-0	165.4	S	5.700E+01		96 dec	1.500E+01	2.500E+01		PAC 27 Listing Table 1
3096	3095	Trichloroacetaldehyde; (Chloral)	75-87-6	000075-87-6	147.39	L	-5.750E+01	7.600E+02	9.780E+01	5.000E+01	2.500E+01	5.000E+01	PERRY,RH & GREEN,D (1984)
3097	3096	Trichloroacetic acid	76-03-9	000076-03-9	163.38	S	5.770E+01		1.975E+02	1.000E+00	5.100E+01		PAC 27 Listing Table 1
3098	3097	Trichloroacetyl chloride	76-02-8	000076-02-8	181.82	L	-1.460E+02	7.600E+02	1.140E+02	2.132E+01	2.500E+01	2.132E+01	PAC 27 Listing Table 1
3099	3098	Trichlorobenzene, 1,2,3-	87-61-6	000087-61-6	181.45	S	5.130E+01		2.185E+02	2.100E-01	2.500E+01		PAC 27 Listing Table 1
3100	3099	Trichlorobenzene, 1,2,4-	120-82-1	000120-82-1	181.45	L	1.692E+01	7.600E+02	2.135E+02	4.600E-01	2.500E+01	4.600E-01	PAC 27 Listing Table 1
3101	3100	Trichloroethane, 1,1,1-; (Methyl chloroform)	71-55-6	000071-55-6	133.4	L	-3.001E+01	7.600E+02	7.409E+01	1.240E+02	2.500E+01	1.240E+02	BOUBLIK,T ET AL. (1984)
3102	3101	Trichloroethane, 1,1,2-	79-00-5	000079-00-5	133.4	L	-3.630E+01	7.600E+02	1.138E+02	2.300E+01	2.500E+01	2.300E+01	ENGINEERING SCIENCES DATA UNIT (1976)
3103	3102	Trichloroethanol, 2,2,2-	115-20-8	000115-20-8	149.4	S	1.780E+01		1.500E+02	1.000E+00	2.000E+01		PAC 27 Listing Table 1
3104	3103	Trichloroethylene	79-01-6	000079-01-6	131.39	L	-8.470E+01	7.600E+02	8.721E+01	6.900E+01	2.500E+01	6.900E+01	BOUBLIK,T ET AL. (1984)
3105	3104	Trichloroethylsilane; (Ethyl trichlorosilane)	115-21-9	000115-21-9	163.51	L	-1.056E+02	7.600E+02	9.790E+01	4.718E+01	2.500E+01	4.718E+01	PAC 27 Listing Table 1
3106	3105	Trichlorofluoromethane; (Fluorotrichloromethane; Freon 11)	75-69-4	000075-69-4	137.37	G	-1.104E+02		2.370E+01	7.500E+02	2.330E+01		PAC 27 Listing Table 1
3107	3106	Trichlorohydroxyethyl dimethylphosphonate; ((2,2,2-Trichloro-1-hydroxyethyl)dimethylphosphonate; Trichlorophon)	52-68-6	000052-68-6	257.44	S	83-84		100 @ 1 mmHg				PAC 27 Listing Table 1
3108	3107	Trichloroisocyanuric acid	87-90-1	000087-90-1	232.41	S	2.350E+02						PAC 27 Listing Table 1
3109	3108	Trichloronaphthalene	1321-65-9	001321-65-9	231.5	S	9.278E+01		304.44 - 354.44				PAC 27 Listing Table 1
3110	3109	Trichloronate; (Ethyl trichlorophenylethylphosphonothioate)	327-98-0	000327-98-0	333.6	L		7.600E+02	3.600E+02	2.000E+01	2.500E+01	2.000E+01	PAC 27 Listing Table 1
3111	3110	Trichloronitrobenzene, 2,4,5-	89-69-0	000089-69-0	226.44	S	5.700E+01		2.080E+02				PAC 27 Listing Table 1
3112	3111	Trichlorophenol, 2,3,6-	933-75-5	000933-75-5	197.44	S	5.800E+01		2.530E+02				PAC 27 Listing Table 1
3113	3112	Trichlorophenol, 2,4,5-	95-95-4	000095-95-4	197.45	S	6.900E+01		2.470E+02	8.000E-03	2.500E+01		PAC 27 Listing Table 1
3114	3113	Trichlorophenol, 2,4,6-	88-06-2	000088-06-2	197.45	S	6.900E+01		2.460E+02	7.500E-01	7.180E+01		PAC 27 Listing Table 1
3115	3114	Trichlorophenoxypropionic acid, 2-(2,4,5-; (Silvex)	93-72-1	000093-72-1	269.51	S	1.816E+02			9.97x10-6	2.500E+01		PAC 27 Listing Table 1
3116	3115	Trichlorophenoxyacetic acid, 2,4,5-; (2,4,5-T)	93-76-5	000093-76-5	255.48	S	1.530E+02		dec	<0.01 mPa	2.000E+01		PAC 27 Listing Table 1
3117	3116	Trichlorophenylsilane	98-13-5	000098-13-5	211.55	L		7.680E+02	2.010E+02	4.260E-01	2.500E+01	4.260E-01	BOUBLIK,T ET AL. (1984)
3118	3117	Trichloropropane, 1,2,3-	96-18-4	000096-18-4	147.43	L	-1.470E+01	7.600E+02	1.570E+02	3.690E+00	2.500E+01	3.690E+00	DAUBERT,TE & DANNER,RP (1989)
3119	3118	Trichlorosilane	10025-78-2	010025-78-2	135.45	L	-1.282E+02	7.600E+02	5.936E+02	2.500E+01	5.936E+02		DAUBERT,TE & DANNER,RP (1989)
3120	3119	Trichlorotrifluoroethane; (Freon 113; CFC113)	76-13-1	000076-13-1	187.38	L	-3.622E+01	7.600E+02	4.770E+01	3.625E+02	2.500E+01	3.625E+02	BOUBLIK,T ET AL. (1984)
3121	3120	Tridecane	629-50-5	000629-50-5	184.41	L	-5.300E+00	7.600E+02	2.354E+02	5.600E-02	2.500E+01	5.600E-02	PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
3122	3121	Tridodecylamine; (Alamine 304; N,N-didodecyl-1-dodecanamine)	102-87-4	000102-87-4	521.9952	L	1.640E+01	7.600E+02	2.200E+02	4.110E-11	2.500E+01	4.110E-11	EPI Suite Modified Grain Method
3123	3122	Triethanolamine; (Trihydroxytriethylamine)	102-71-6	000102-71-6	149.19	S	2.050E+01		3.354E+02	7.5x10-3	7.500E+01		PAC 27 Listing Table 1
3124	3123	Triethoxysilane	998-30-1	000998-30-1	164.28	L	-1.700E+02	7.600E+02	1.335E+02	8.500E+00	2.500E+01	8.500E+00	PAC 27 Listing Table 1
3125	3124	Triethoxylvinsilane	78-08-0	000078-08-0	190.35	L		2.000E+01	1.606E+02	2.283E+00	2.500E+01	2.283E+00	BOUBLIK,T ET AL. (1984)
3126	3125	Triethyl phosphate; (TEP)	78-40-0	000078-40-0	182.18	L	-5.640E+01	7.600E+02	2.155E+02	3.900E-01	2.500E+01	3.900E-01	PAC 27 Listing Table 1
3127	3126	Triethyl phosphite	122-52-1	000122-52-1	166.18	L		7.600E+02	1.560E+02	2.770E+00	2.500E+01	2.770E+00	EPI Suite Mean VP of Antoine and Grain Methods
3128	3127	Triethylaluminum	97-93-8	000097-93-8	114.19	L	-5.250E+01	7.600E+02	1.940E+02	2.560E-02	2.500E+01	2.560E-02	DAUBERT,TE & DANNER,RP (1989)
3129	3128	Triethylamine	121-44-8	000121-44-8	101.22	L	-1.148E+02	7.680E+02	8.950E+01	5.707E+01	2.500E+01	5.707E+01	RIDDICK,JA ET AL. (1986)
3130	3129	Triethylammonium bicarbonate buffer ph 8.5	15715-58-9	015715-58-9		L		7.600E+02	9.050E+01	5.610E+01	2.500E+01	5.610E+01	ACD Labs Physical Chemistry Suite
3131	3130	Triethylbenzene (mixed isomers)	25340-18-5	025340-18-5	162.3	L	-6.650E+01	7.600E+02	2.160E+02	2.424E-01	2.500E+01	2.424E-01	CHAO,J ET AL. (1983)
3132	3131	Triethylene glycol	112-27-6	000112-27-6	150.2	L	-4.300E+00	7.600E+02	2.850E+02	1.320E-03	2.500E+01	1.320E-03	DAUBERT,TE & DANNER,RP (1989)
3133	3132	Triethylene glycol monomethyl ether	112-35-6	000112-35-6	164.23	L	-4.400E+01	7.600E+02	2.490E+02	3.470E-03	2.500E+01	3.470E-03	EPI Suite Mean VP of Antoine and Grain Methods
3134	3133	Triethylenetetramine	112-24-3	000112-24-3	146.28	L	1.200E+01	7.600E+02	2.720E+02	4.121E-04	2.500E+01	4.121E-04	YAWS,CL (1994)
3135	3134	Triethylethanaminium hydroxide, N,N,N-; (Tetraethyl ammonium hydroxide)	77-98-5	000077-98-5	147.3	S							PAC 27 Listing Table 1
3136	3135	Triethyloxonium tetrafluoroborate	368-39-8	000368-39-8	190.02	S							PAC 27 Listing Table 1
3137	3136	Triethylphosphorothioate; (Tepo)	126-68-1	000126-68-1	198.24	L		7.600E+02	9.320E+01	8.780E-02	2.500E+01	8.780E-02	EPI Suite Mean VP of Antoine and Grain Methods
3138	3137	Trifluoro-1-(2-thienyl)-1,3-butanedione, 4,4,4-, boron difluoride	22502-27-8	022502-27-8	272.01	S							PAC 27 Listing Table 1
3139	3138	Trifluoro-4-nitro-m-cresol, alpha,alpha,alpha-; (4-Nitro-3-(trifluoromethyl)phenol)	88-30-2	000088-30-2	207.12	S	76-79		135-138				PAC 27 Listing Table 1
3140	3139	Trifluoroacetaldehyde hydrate; (2,2,2-Trifluoro-1,1-ethanediol)	421-53-4	000421-53-4	116.05	L	-5.004E+01	7.600E+02	1.050E+02	1.070E+01	2.500E+01	1.070E+01	EPI Suite Mean VP of Antoine and Grain Methods
3141	3140	Trifluoroacetic acid anhydride	407-25-0	000407-25-0	210.04	L	-6.500E+01	7.680E+02	3.950E+01	4.120E+01	2.500E+01	4.120E+01	BOUBLIK,T ET AL. (1984)
3142	3141	Trifluoroacetic acid; (Trifluoroethanoic acid)	76-05-1	000076-05-1	114.03	L	-1.525E+01	7.680E+02	7.110E+01	1.100E+02	2.500E+01	1.100E+02	DAUBERT,TE & DANNER,RP (1989)
3143	3142	Trifluoroacetyl chloride	354-32-5	000354-32-5	132.47	G		7.600E+02	-2.700E+01				EPI Suite Experimental Data
3144	3143	Trifluoroethanol, 2,2,2-; (Trifluoroethyl alcohol)	75-89-8	000075-89-8	100.05	L	-4.400E+01	7.680E+02	1.040E+02	7.127E+01	2.500E+01	7.127E+01	MEEKS,AC & GOLDFARB,IJ (1967)
3145	3144	Trifluoromethanesulfonic acid; (Triflic acid)	1493-13-6	001493-13-6	150.08	L	-4.000E+01	7.680E+02	1.620E+02	1.000E-01	2.500E+01	1.000E-01	Antoine's Equation (various data)
3146	3145	Trifluoromethanesulfonic anhydride	358-23-6	000358-23-6	282.14	L		7.600E+02	8.100E+01	8.000E+00	2.000E+01	1.246E+01	Estimated using data from PAC 27 Listing Table 1
3147	3146	Trifluoromethyl iodide; (Iodo trifluoromethane)	2314-97-8	002314-97-8	195.91	G	<-78		-2.250E+01				PAC 27 Listing Table 1
3148	3147	Trifluoromethyl)benzenamine, 3-; (m-Aminobenzal fluoride)	98-16-8	000098-16-8	161.14	L	3.000E+00		1.890E+02	6.860E-01	2.500E+01	6.860E-01	EPI Suite Mean VP of Antoine and Grain Methods
3149	3148	Trifluralin; (2,6-Dinitro-N,N-dipropyl-4-(trifluoromethyl) benzenamine)	1582-09-8	001582-09-8	335.28	S	4.900E+01		140 @ 4.2 mmHg	4.58x10-5	2.500E+01		PAC 27 Listing Table 1
3150	3149	Trisobutylaluminum	100-99-2	000100-99-2	198.3	L	6.000E+00	1.000E+01	8.600E+01	1.000E+00	4.700E+01	2.092E-01	Estimated using data from PAC 27 Listing Table 1
3151	3150	Trimethoxy(3,3,3-trifluoropropyl)silane	429-60-7	000429-60-7	218.2481	S							PAC 27 Listing Table 1
3152	3151	Trimethoxyboroxine	102-24-9	000102-24-9	173.55	S							PAC 27 Listing Table 1
3153	3152	Trimethoxysilane	2487-90-3	002487-90-3	122.2	L	-1.150E+02	1.000E+02	3.200E+01	7.600E+01	2.500E+01	7.600E+01	PAC 27 Listing Table 1
3154	3153	Trimethoxysilyl)-1-propanamine, 3-(	13822-56-5	013822-56-5	179.29	L	2.277E+01	7.600E+02	1.940E+02	3.490E-01	2.500E+01	3.490E-01	EPI Suite Mean VP of Antoine and Grain Methods
3155	3154	Trimethoxysilyl-1-propanethiol, 3-; (3-Mercaptopropyltrimethoxysilane)	4420-74-0	004420-74-0	196.37	L		7.600E+02	9.300E+01	1.560E-01	2.500E+01	1.560E-01	EPI Suite Mean VP of Antoine and Grain Methods
3156	3155	Trimethoxysilylpropyl methacrylate, 3-; (Silane A-174)	2530-85-0	002530-85-0	248.39	L	-5.000E+01	7.600E+02	1.900E+02	1.270E-02	2.500E+01	1.270E-02	EPI Suite Mean VP of Antoine and Grain Methods
3157	3156	Trimethoxysilylpropyl) ethylenediamine, N-(3-	1760-24-3	001760-24-3	222.41	L		1.500E+01	1.460E+02	3.510E-03	2.500E+01	3.510E-03	EPI Suite Mean VP of Antoine and Grain Methods
3158	3157	Trimethoxylvinsilane; (Vinyltrimethoxysilane; Silane, trimethoxyvinyl-)	2768-02-7	002768-02-7	148.26	L		7.600E+02	1.230E+02	1.540E+01	2.500E+01	1.540E+01	EPI Suite Mean VP of Antoine and Grain Methods
3159	3158	Trimethyl borate	121-43-7	000121-43-7	103.93	L	-2.900E+01	7.600E+02	6.800E+01	1.370E+02	2.500E+01	1.370E+02	PAC 27 Listing Table 1
3160	3159	Trimethyl phosphate; (TMP)	512-56-1	000512-56-1	140.09	L		7.600E+02	1.972E+02	8.500E-01	2.500E+01	8.500E-01	DAUBERT,TE & DANNER,RP (1991)
3161	3160	Trimethyl phosphite	121-45-9	000121-45-9	124.09	L	-7.800E+01	7.600E+02	1.110E+02	2.280E+01	2.500E+01	2.280E+01	EPI Suite Mean VP of Antoine and Grain Methods
3162	3161	Trimethyl-1,3-pentanediol monoisobutryate, 2,2,4-; (Texanol)	25265-77-4	025265-77-4	216.36	L				1.000E-02	2.500E+01	1.000E-02	FLICK,EW (1991)
3163	3162	Trimethyl-1-pentene, 2,4,4-; (Diisobutylene)	107-39-1	000107-39-1	112.2144	L	-9.350E+01		1.014E+02	4.470E+01	2.500E+01	4.470E+01	PAC 27 Listing Table 1
3164	3163	Trimethyl-2,5,8,11-tetraoxatetradecan-13-ol, 4,7,10-	20324-34-9	020324-34-9	264.36	S							PAC 27 Listing Table 1
3165	3164	Trimethyl-2-hexene, 4,4,5-	55702-61-9	055702-61-9	126	L	-7.366E+01	7.600E+02	1.130E+02	2.520E+01	2.500E+01	2.520E+01	EPI Suite Mean VP of Antoine and Grain Methods
3166	3165	Trimethyl-2-oxepanone (mixed isomers); (Hexanoic acid, 6-hydroxytrimethyl, epsilon-lactone)	64047-30-9	064047-30-9	156.25	S							PAC 27 Listing Table 1
3167	3166	Trimethylacetic acid; (Pivalic acid)	75-98-9	000075-98-9	102.15	S	35.5		1.638E+02				PAC 27 Listing Table 1
3168	3167	Trimethylacetyl chloride; (Pivaloyl chloride)	3282-30-2	003282-30-2	120.59	L		7.600E+02	1.070E+02	3.240E+01	2.500E+01	3.240E+01	EPI Suite Mean VP of Antoine and Grain Methods
3169	3168	Trimethylaluminum	75-24-1	000075-24-1	72.09	S	15		125-126	6.930E+01	6.000E+01		PAC 27 Listing Table 1
3170	3169	Trimethylamine	75-50-3	000075-50-3	59.11	G	-1.171E+02		2.870E+00	7.500E+02	2.600E+00		PAC 27 Listing Table 1
3171	3170	Trimethylaniline, 2,4,6-	88-05-1	000088-05-1	135.23	L	-5.000E+00	7.600E+02	2.320E+02	6.860E-02	2.500E+01	6.860E-02	EPI Suite Mean VP of Antoine and Grain Methods
3172	3171	Trimethylbenzene, 1,2,3-	526-73-8	000526-73-8	120.19	L	-2.540E+01	7.600E+02	1.761E+02	1.689E+00	2.500E+01	1.689E+00	YAWS,CL (1994B)
3173	3172	Trimethylbenzene, 1,2,4-; (Pseudocumene)	95-63-6	000095-63-6	120.19	L	-4.377E+01	7.600E+02	1.694E+02	2.100E+00	2.500E+01	2.100E+00	CHAO,J ET AL. (1983)
3174	3173	Trimethylbicyclo(3.1.1)-2-hept-2-ene, 2,6,6-; (alpha-Pinene)	80-56-8	000080-56-8	136.26	L	-5.500E+01	7.600E+02	1.550E+02	4.750E+00	2.500E+01	4.750E+00	DAUBERT,TE & DANNER,RP (1989)
3175	3174	Trimethylchlorosilane	75-77-4	000075-77-4	108.66	L	-4.000E+01	7.680E+02	5.700E+01	2.337E+02	2.500E+01	2.337E+02	BOUBLIK,T ET AL. (1984)
3176	3175	Trimethyldecane, 2,2,3-	62338-09-4	062338-09-4	184	L	-2.501E+01	7.600E+02	1.937E+02	6.970E-01	2.500E+01	6.970E-01	EPI Suite Mean VP of Antoine and Grain Methods
3177	3176	Trimethyldecane, 2,2,8-	62238-01-1	062238-01-1	184	L	-2.501E+01	7.600E+02	1.937E+02	6.970E-01	2.500E+01	6.970E-01	EPI Suite Mean VP of Antoine and Grain Methods
3178	3177	Trimethyldecane, 2,5,6-	62108-23-0	062108-23-0	184	L	-2.501E+01	7.600E+02	1.937E+02	6.970E-01	2.500E+01	6.970E-01	EPI Suite Mean VP of Antoine and Grain Methods
3179	3178	Trimethylene oxide; (Oxetane)	503-30-0	000503-30-0	58.09	L	-9.700E+01	7.600E+02	4.760E+01	3.240E+02	2.500E+01	3.240E+02	PAC 27 Listing Table 1
3180	3179	Trimethylgallium	1445-79-0	001445-79-0	114.8	L	-1.590E+01	7.680E+02	5.570E+01	2.230E+02	2.500E+01	2.230E+02	DYKJ,J (1970)
3181	3180	Trimethylhexane, 2,2,5-	3522-94-9	003522-94-9	128.29	L		7.600E+02	1.240E+02	1.656E+01	2.500E+01	1.656E+01	DAUBERT,TE & DANNER,RP (1989)
3182	3181	Trimethyl-N'-(hydroxyethyl)-1,3-propanediamine, N,N,N'; (2-((3-(Dimethylamino)propyl)methylamino)ethanol)	82136-26-3	082136-26-3		S							PAC 27 Listing Table 1
3183	3182	Trimethyloctane	98060-52-7	098060-52-7	156.31	G			1.070E+01	7.600E+02	1.070E+01		PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
3184	3183	Trimethyloctane, 2,2,6-	62016-28-8	062016-28-8	156.31	L	-4.860E+01	7.600E+02	1.515E+02	4.800E+00	2.500E+01	4.800E+00	EPI Suite Mean VP of Antoine and Grain Methods
3185	3184	Trimethyloctane, 2,3,7-	62016-34-6	062016-34-6	156.31	L	-4.860E+01	7.600E+02	1.515E+02	4.800E+00	2.500E+01	4.800E+00	EPI Suite Mean VP of Antoine and Grain Methods
3186	3185	Trimethyloctane, 2,4,6-	62016-37-9	062016-37-9	156.31	L	-4.860E+01	7.600E+02	1.515E+02	4.800E+00	2.500E+01	4.800E+00	EPI Suite Mean VP of Antoine and Grain Methods
3187	3186	Trimethyloctane, 2,6,6-	54166-32-4	054166-32-4	156.31	L	-4.860E+01	7.600E+02	1.515E+02	4.800E+00	2.500E+01	4.800E+00	EPI Suite Mean VP of Antoine and Grain Methods
3188	3187	Trimethylolpropane ethoxylate	50586-59-9	050586-59-9	794.98	L		7.600E+02	8.197E+02	3.610E-26	2.500E+01	3.610E-26	EPI Suite Modified Grain Method
3189	3188	Trimethylolpropane phosphite	824-11-3	000824-11-3	162.14	S	5.600E+01		2.000E+02	2.000E-01	2.500E+01		PAC 27 Listing Table 1
3190	3189	Trimethylphosphine	594-09-2	000594-09-2	76.08	L	-8.500E+01	7.600E+02	3.750E+01	4.750E+02	2.500E+01	4.750E+02	EPI Suite Mean VP of Antoine and Grain Methods
3191	3190	Trimethylpyridine, 2,4,6-	108-75-8	000108-75-8	121.2	L				1.987E+00	2.500E+01	1.987E+00	CHAO, J ET AL. (1983)
3192	3191	Trimethylsilanol	1066-40-6	001066-40-6	90	L	-6.601E+01	7.600E+02	1.071E+02	1.380E+01	2.500E+01	1.380E+01	EPI Suite Mean VP of Antoine and Grain Methods
3193	3192	Trimethylsilylmethylithium	1822-00-0	001822-00-0	94.16	L	1.390E+01	7.600E+02	3.500E+01	9.490E-07	2.500E+01	9.490E-07	ChemSpider EPI Suite Modified Grain Method
3194	3193	Trimethyltin chloride; (Chlorotrimethylstannane)	1066-45-1	001066-45-1	199.26	S	4.200E+01		154-156	3.000E+00	2.500E+01		PAC 27 Listing Table 1
3195	3194	Trimethyltriheptylamine, 6,6',6''-; (Triisooctylamine)	2757-28-0	002757-28-0	353.76	S							PAC 27 Listing Table 1
3196	3195	Tri-n-butylamine	102-82-9	000102-82-9	185.4	L	-7.000E+01	7.600E+02	2.165E+02	9.340E-02	2.500E+01	9.340E-02	PAC 27 Listing Table 1
3197	3196	Trinitrobenzene, 1,3,5-	99-35-4	000099-35-4	213.1	S	1.229E+02		3.150E+02	6.44x10-6	2.500E+01		PAC 27 Listing Table 1
3198	3197	Trinitrochlorobenzene; (Picryl chloride)	28260-61-9	028260-61-9	247.56	S							PAC 27 Listing Table 1
3199	3198	Trinitrophenylmethylnitramine, 2,4,6-; (Tetryl)	479-45-8	000479-45-8	287.17	S	131-132		187 expl				PAC 27 Listing Table 1
3200	3199	Trinitrotoluene, 2,4,6-	118-96-7	000118-96-7	227.15	S	8.200E+01		240 expl				PAC 27 Listing Table 1
3201	3200	Tri-n-octylphosphine oxide; (Trioctylphophine oxide)	78-50-2	000078-50-2	386.64	S	5.200E+01		201 @ 2 mmHg				PAC 27 Listing Table 1
3202	3201	Trioctylamine; (N,N-Dioctyl-1-octanamine)	1116-76-3	001116-76-3	353.76	L		7.600E+02	3.650E+02	6.860E-06	2.500E+01	6.860E-06	EPI Suite Modified Grain Method
3203	3202	Trioctylphosphine; (Tri-n-octylphosphine)	4731-53-7	004731-53-7	370.72	S							PAC 27 Listing Table 1
3204	3203	Tri-o-tolyl phosphate; (Triorthocresyl phosphate)	78-30-8	000078-30-8	368.39	L	-2.700E+01	7.680E+02	4.100E+02	1.460E-05	2.500E+01	1.460E-05	YAWS, CL (1994)
3205	3204	Tripentaerythritol	78-24-0	000078-24-0	372.41	S	225-240						PAC 27 Listing Table 1
3206	3205	Triphenyl phosphate	115-86-6	000115-86-6	326.3	S	49-50		245 @ 11 mm	1.000E+00	1.935E+02		PAC 27 Listing Table 1
3207	3206	Triphenyl phosphite	101-02-0	000101-02-0	310.3	S	21-23		183-184 @0.1mm				PAC 27 Listing Table 1
3208	3207	Triphenylborane	960-71-4	000960-71-4	242.14	S	1.420E+02						PAC 27 Listing Table 1
3209	3208	Triphenylethoxysilane	1516-80-9	001516-80-9	304.458	S	65		3.440E+02				PAC 27 Listing Table 1
3210	3209	Triphenylmethane triglycidyl ether	66072-38-6	066072-38-6	460.5256	S							PAC 27 Listing Table 1
3211	3210	Triphenylphosphine	603-35-0	000603-35-0	262.3	S	7.900E+01		>360				PAC 27 Listing Table 1
3212	3211	Triphenyltin chloride; (Chlorotriphenylstannane)	639-58-7	000639-58-7	385.47	S	1.060E+02		240 @ 13.5 mm				PAC 27 Listing Table 1
3213	3212	Tripotassium (2-hydroxyethyl)ethylenediaminetriacetate; (Tripotassium HEDTA)	62029-50-9	062029-50-9	395.5549	S							PAC 27 Listing Table 1
3214	3213	Tripotassium arsenate	13464-36-3	013464-36-3	256.22	S							PAC 27 Listing Table 1
3215	3214	Tripropyl phosphate; (TPP)	513-08-6	000513-08-6	224.23	L		1.000E+01	1.200E+02	2.310E-02	2.500E+01	2.310E-02	EPI Suite Modified Grain Method
3216	3215	Tripropylamine	102-69-2	000102-69-2	143.31	L	-9.350E+01	7.600E+02	1.560E+02	1.510E+00	2.500E+01	1.510E+00	PAC 27 Listing Table 1
3217	3216	Tripropylene glycol methyl ether	25498-49-1	025498-49-1	206.32	L	-7.889E+01	7.680E+02	2.424E+02	5.990E-03	2.500E+01	5.990E-03	DAUBERT, TE & DANNER, RP (1998)
3218	3217	Tripropylene glycol monomethyl ether; (1-(2-(2-Methoxy-1-methylethoxy)-1-methylethoxy)-2-propanol)	20324-33-8	020324-33-8	206.32	L		7.600E+02	2.430E+02	2.000E-02	2.500E+01	2.000E-02	DOW CHEMICAL COMPANY (1990)
3219	3218	Tripropylene glycol; (((1-Methyl-1,2-ethanediy))bis(oxy))bispropanol)	24800-44-0	024800-44-0	192.29	L	-3.000E+01	7.600E+02	2.670E+02	1.000E+00	9.600E+01	6.808E-03	Estimated using data from PAC 27 Listing Table 1
3220	3219	Tris hydrochloride; (Trizma hydrochloride; Tris(hydroxymethyl) aminomethane hydrochloride)	1185-53-1	001185-53-1	157.6	S	150-152						PAC 27 Listing Table 1
3221	3220	Tris(hydroxymethyl)methylamino)propane-1-sulphonic acid, 3-	29915-38-6	029915-38-6	243.2744	S	240						PAC 27 Listing Table 1
3222	3221	Tris(2-aminoethyl)amine	4097-89-6	004097-89-6	146.28	S							PAC 27 Listing Table 1
3223	3222	Tris(2-chloroethyl) phosphate; (2-Chloroethanol phosphate)	115-96-8	000115-96-8	285.5	L	-5.500E+01	7.680E+02	3.300E+02	6.130E-02	2.500E+01	6.130E-02	DOBRY, A & KELLER, R (1957)
3224	3223	Tris(2-chloroethyl)amine; (Nitrogen mustard-3)	555-77-1	000555-77-1	204.57	L	-4.000E+00	2.000E+00	9.800E+01	1.100E-02	2.500E+01	1.100E-02	MUNRO, NB ET AL. (1999)
3225	3224	Tris(dimethylaminomethyl)phenol, 2,4,6-	90-72-2	000090-72-2	265.45	S							PAC 27 Listing Table 1
3226	3225	Tris-hydroxymethylaminomethane; (THAM)	77-86-1	000077-86-1	121.16	S	171-172		219-220 @10mm				PAC 27 Listing Table 1
3227	3226	Trisodium arsenate	13464-38-5	013464-38-5	207.89	S							PAC 27 Listing Table 1
3228	3227	Trisodium arsenate, heptahydrate; (Arsenic(V) acid, trisodium salt, heptahydrate (1:3:7))	64070-83-3	064070-83-3	334.03	S							PAC 27 Listing Table 1
3229	3228	Trisodium citrate	68-04-2	000068-04-2	258.08	S			dec				PAC 27 Listing Table 1
3230	3229	Trisodium N-hydroxyethylethylenediaminetriacetate; (Trisodium N-(2-hydroxyethyl)ethylenediaminetriacetate)	139-89-9	000139-89-9	344.22	S	2.880E+02						PAC 27 Listing Table 1
3231	3230	Triton X-100; (Poly(oxyethylene)-p-tert-octylphenyl ether)	9002-93-1	009002-93-1	514.35	L	-4.000E+00	7.600E+02	1.200E+02	6.990E+00	2.500E+01	6.990E+00	EPI Suite Mean VP of Antoine and Grain Methods
3232	3231	Trypan blue	72-57-1	000072-57-1	960.81	S	3.000E+02						PAC 27 Listing Table 1
3233	3232	Trypsin; (Parenzyme; Chymotrypsin inhibitor)	9002-07-7	009002-07-7		S							PAC 27 Listing Table 1
3234	3233	Trypsinogen	9002-08-8	009002-08-8		S							PAC 27 Listing Table 1
3235	3234	Tungsten	7440-33-7	007440-33-7	183.84	S	3.422E+03		5.555E+03	7.5x10-3	3.204E+03		PAC 27 Listing Table 1
3236	3235	Tungsten boride	12007-09-9	012007-09-9	194.65	S	2665						PAC 27 Listing Table 1
3237	3236	Tungsten carbide	12070-12-1	012070-12-1	195.9	S	2.785E+03						PAC 27 Listing Table 1
3238	3237	Tungsten hexafluoride	7783-82-6	007783-82-6	297.85	G	2.300E+00		1.750E+01				PAC 27 Listing Table 1
3239	3238	Tungsten trioxide; (Tungsten(VI) oxide)	1314-35-8	001314-35-8	231.84	S	1.473E+03		~ 1700				PAC 27 Listing Table 1
3240	3239	Tungsten(IV) chloride; (Tungsten tetrachloride)	13470-13-8	013470-13-8	325.662	S							PAC 27 Listing Table 1

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
3241	3240	Tungsten(IV) oxide	12036-22-5	012036-22-5	215.84	S	1500-1700						PAC 27 Listing Table 1
3242	3241	Tungstic acid	7783-03-1	007783-03-1	249.8534	S	100 dec						PAC 27 Listing Table 1
3243	3242	Tungstosilicic acid	11130-20-4	011130-20-4	2878.2931	S							PAC 27 Listing Table 1
3244	3243	Turpentine	8006-64-2	008006-64-2	140	L	-5.500E+01	7.600E+02	1.540E+02	2.380E+00	2.500E+01	2.380E+00	EPI Suite Mean VP of Antoine and Grain Methods
3245	3244	Undecane	1120-21-4	001120-21-4	156.35	L	-2.575E+01	7.680E+02	1.956E+02	4.119E-01	2.500E+01	4.119E-01	DAUBERT,TE & DANNER,RP (1999)
3246	3245	Undecanone, 2-; (Methyl nonyl ketone)	112-12-9	000112-12-9	170.33	L	1.200E+01	7.680E+02	2.230E+02	4.140E-02	2.500E+01	4.140E-02	PERRY,RH & GREEN,D (1984)
3247	3246	Uranine; (Fluorescein sodium)	518-47-8	000518-47-8	376.28	S							PAC 27 Listing Table 1
3248	3247	Uranium	7440-61-1	007440-61-1	238.03	S	1.135E+03		4.131E+03	7.5x10-3	2.052E+03		PAC 27 Listing Table 1
3249	3248	Uranium hexafluoride; (Uranium fluoride)	7783-81-5	007783-81-5	352.02	S	64.06 triple point		56.5 subl	1.150E+02	2.500E+01		PAC 27 Listing Table 1
3250	3249	Uranium hydride; (Uranium(III) hydride)	13598-56-6	013598-56-6	241.05	S							PAC 27 Listing Table 1
3251	3250	Uranium oxide; (Triuranium octaoxide)	1344-59-8	001344-59-8	842.08	S	1300 dec						PAC 27 Listing Table 1
3252	3251	Uranium telluride	12138-37-3	012138-37-3	493.23	S							PAC 27 Listing Table 1
3253	3252	Uranium telluride A	12138-37-3a	012138-37-3a	1224.08	S							PAC 27 Listing Table 1
3254	3253	Uranium trioxide	1344-58-7	001344-58-7	286.0272	S							PAC 27 Listing Table 1
3255	3254	Uranium(IV) oxide; (Uranium dioxide)	1344-57-6	001344-57-6	270.03	S	2.875E+03						PAC 27 Listing Table 1
3256	3255	Uranium: insoluble compounds	z-0083	00000z-0083		S	varies		varies				PAC 27 Listing Table 1
3257	3256	Uranium: soluble compounds	z-0084	00000z-0084		S	varies		varies				PAC 27 Listing Table 1
3258	3257	Uranyl acetate; (Uranium oxyacetate)	541-09-3	000541-09-3	388.1	S	110 loss H2O		275 dec				PAC 27 Listing Table 1
3259	3258	Uranyl fluoride; (Uranium oxyfluoride)	13536-84-0	013536-84-0	308	S	300 dec						PAC 27 Listing Table 1
3260	3259	Uranyl hydroxide	13470-18-3a	013470-18-3a	304.0423	S							PAC 27 Listing Table 1
3261	3260	Uranyl hydroxide (liquids)	13470-18-3b	013470-18-3b	304.041	L				1.000E-05	2.500E+01	1.000E-05	Hazardous component of aqueous solution has neglible VP. A VP of 1E-05 at 25°C is assigned for calulation purposes
3262	3261	Uranyl nitrate (solid); (Bis(nitrato-O,O')dioxouranium)	10102-06-4	010102-06-4	394.02	S	6.020E+01		1.180E+02				PAC 27 Listing Table 1
3263	3262	Uranyl nitrate (yellow salt)	36478-76-9	036478-76-9	394.02	S	6.020E+01		1.180E+02				PAC 27 Listing Table 1
3264	3263	Uranyl nitrate hexahydrate	13520-83-7	013520-83-7	502.14	S	6.020E+01		1.180E+02				PAC 27 Listing Table 1
3265	3264	Uranyl nitrite (liquids)	z-0087	00000z-0087	362.0364	L				1.000E-05	2.500E+01	1.000E-05	Hazardous component of aqueous solution has neglible VP. A VP of 1E-05 at 25°C is assigned for calulation purposes
3266	3265	Urea	57-13-6	000057-13-6	60.07	S	1.327E+02		dec				PAC 27 Listing Table 1
3267	3266	Urea peroxide; (Urea hydrogen peroxide)	124-43-6	000124-43-6	94.09	S	75-85		dec				PAC 27 Listing Table 1
3268	3267	Urea), N,N''-(4-methyl-1,3-phenylene)bis(N',N'-dimethyl-	17526-94-2	017526-94-2	264.33	S							PAC 27 Listing Table 1
3269	3268	Urethane; (Carbamic acid, ethyl ester; Ethyl carbamate)	51-79-6	000051-79-6	89.11	S	4.900E+01		182-184	3.600E-01	2.500E+01		PAC 27 Listing Table 1
3270	3269	Valeric acid	109-52-4	000109-52-4	102.15	L	-3.450E+01	7.600E+02	1.864E+02	1.960E-01	2.500E+01	1.960E-01	PAC 27 Listing Table 1
3271	3270	Valinomycin	2001-95-8	002001-95-8	1111.5	S	1.870E+02			1.000E-05	2.500E+01		PAC 27 Listing Table 1
3272	3271	Vanadium	7440-62-2	007440-62-2	50.94	S	1.910E+03		3.407E+03	7.5x10-3	1.828E+03		PAC 27 Listing Table 1
3273	3272	Vanadium pentoxide; (Vanadium(V) oxide)	1314-62-1	001314-62-1	181.88	S	6.810E+02		1.750E+03	~0	no temp		PAC 27 Listing Table 1
3274	3273	Vanadium sulfate	16785-81-2	016785-81-2	454.66	S							PAC 27 Listing Table 1
3275	3274	Vanadium tetrachloride	7632-51-1	007632-51-1	192.74	L	-2.570E+01	7.600E+02	1.480E+02	7.630E+00	2.500E+01	7.630E+00	PAC 27 Listing Table 1
3276	3275	Vanadium trioxide	1314-34-7	001314-34-7	149.88	S	1970						PAC 27 Listing Table 1
3277	3276	Vanadium(II) sulfate heptahydrate	36907-42-3	036907-42-3	273.112	S							PAC 27 Listing Table 1
3278	3277	Vanadium(III) sulfate	13701-70-7	013701-70-7	390.07	S							PAC 27 Listing Table 1
3279	3278	Vanadium, trichlorooxo-	7727-18-6	007727-18-6	173.29	L	-7.700E+01	7.600E+02	1.267E+02	1.930E+01	2.500E+01	1.930E+01	PAC 27 Listing Table 1
3280	3279	Vanadyl sulfate pentahydrate; (Vanadium(IV) sulfate oxide hydrate)	12439-96-2	012439-96-2	253.07	S							PAC 27 Listing Table 1
3281	3280	Vanadyl sulfate; (Oxysulfatovanadium)	27774-13-6	027774-13-6	163	S							PAC 27 Listing Table 1
3282	3281	Vanilin	121-33-5	000121-33-5	152.16	S	80-81		2.850E+02				PAC 27 Listing Table 1
3283	3282	Vegetable oil	68956-68-3	068956-68-3		L		7.600E+02	8.400E+02	5.090E-21	2.500E+01	5.090E-21	EPI Suite Modified Grain Method; as CAS 8001-22-7
3284	3283	Veratraldehyde	120-14-9	000120-14-9	166.19	S	42-43		2.810E+02				PAC 27 Listing Table 1
3285	3284	Vermiculite, exfoliated	1318-00-9	001318-00-9	288.28	S	1316-1370						PAC 27 Listing Table 1
3286	3285	Vinyl 2-chloroethylsulfide; (2-Chloroethylthio ethene)	81142-02-1	081142-02-1	109.5507	L				5.800E+00	2.500E+01	5.800E+00	PAC 27 Listing Table 1
3287	3286	Vinyl acetate	108-05-4	000108-05-4	86.09	L	-9.320E+01	7.600E+02	7.280E+01	9.016E+01	2.500E+01	9.016E+01	DAUBERT,TE & DANNER,RP (1985)
3288	3287	Vinyl acetate-vinyl chloride copolymer; (Acetic acid, vinyl ester, polymer with chloroethylene)	9003-22-9	009003-22-9		S							PAC 27 Listing Table 1
3289	3288	Vinyl acrylic resin; (Vinyl acetate, polymer with n-butyl acrylate)	25067-01-0	025067-01-0		S							PAC 27 Listing Table 1
3290	3289	Vinyl bromide	593-60-2	000593-60-2	106.95	G	-1.395E+02		1.580E+01	7.500E+02	1.540E+01		PAC 27 Listing Table 1
3291	3290	Vinyl chloride	75-01-4	000075-01-4	62.5	G	-1.538E+02		-1.380E+01	7.500E+02	-1.410E+01		PAC 27 Listing Table 1
3292	3291	Vinyl ethyl ether; (Ethoxy ethene)	109-92-2	000109-92-2	72.12	L	-1.150E+02	7.600E+02	3.560E+01	5.110E+02	2.500E+01	5.110E+02	DAUBERT,TE & DANNER,RP (1989)
3293	3292	Vinyl fluoride	75-02-5	000075-02-5	46.04	G	-1.605E+02		-7.200E+01	7.500E+02	-7.220E+01		PAC 27 Listing Table 1
3294	3293	Vinyl sulfoxide	1115-15-7	001115-15-7	102.16	L		1.800E+01	8.600E+01	1.600E+00	2.500E+01	1.600E+00	PAC 27 Listing Table 1
3295	3294	Vinyl terminated dimethylsiloxane-diphenylsiloxane copolymer	68951-96-2	068951-96-2	9300	S			>400				PAC 27 Listing Table 1
3296	3295	Vinyl trichlorosilane	75-94-5	000075-94-5	161.49	L	-9.500E+01	7.600E+02	9.150E+01	6.590E+01	2.500E+01	6.590E+01	PAC 27 Listing Table 1
3297	3296	Vinyl-2-pyrrolidinone, 1-	88-12-0	000088-12-0	111.16	L	1.350E+01	4.000E+02	1.930E+02	1.040E-11	2.500E+01	1.040E-11	PAC 27 Listing Table 1
3298	3297	Vinylbenzylchloride; (4-Vinylbenzyl chloride)	1592-20-7	001592-20-7	152.62	L		7.600E+02	2.290E+02	1.000E+00	5.610E+01	1.341E-01	Estimated using data from PAC 27 Listing Table 1
3299	3298	Vinylcyclohexene, 4-; (Cyclohexenyliethylene)	100-40-3	000100-40-3	108.1828	L	-1.010E+02	7.600E+02	1.260E+02	1.571E+01	2.500E+01	1.571E+01	DAUBERT,TE & DANNER,RP (1989)
3300	3299	Vinylformamide, N-	13162-05-5	013162-05-5	71.08	L	-1.600E+01	7.600E+02	2.100E+02	1.000E-01	2.500E+01	1.000E-01	PAC 27 Listing Table 1

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Table 1: Chemicals of Concern and Associated Chemical Information

	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
3301	3300	Vinylidene chloride; (1,1-Dichloroethylene)	75-35-4	000075-35-4	96.94	L	-1.226E+02	7.600E+02	3.160E+01	6.000E+02	2.500E+01	6.000E+02	BOUBLIK,T ET AL. (1984)
3302	3301	Vinylidene fluoride; (1,1-Difluoroethene)	75-38-7	000075-38-7	64.04	G	-1.440E+02		<-70				PAC 27 Listing Table 1
3303	3302	Vinylmagnesium bromide	1826-67-1	001826-67-1	131.25	L	-1.735E+01	7.600E+02	1.401E+02	7.940E+00	2.500E+01	7.940E+00	EPI Suite Mean VP of Antoine and Grain Methods
3304	3303	Vinylpyrrolidone/vinyl acetate copolymer	25086-89-9	025086-89-9	50000	S							PAC 27 Listing Table 1
3305	3304	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)	64742-52-5	064742-52-5		L		7.600E+02	3.500E+02	2.490E-04	2.500E+01	2.490E-04	EPI Suite Modified Grain Method
3306	3305	Warfarin	81-81-2	000081-81-2	308.35	S	1.610E+02		3.560E+02	1.000E-05	2.500E+01		PAC 27 Listing Table 1
3307	3306	Warfarin sodium	129-06-6	000129-06-6	330.33	S	159-165		dec	1.000E-05	2.500E+01		PAC 27 Listing Table 1
3308	3307	Xenon	7440-63-3	007440-63-3	131.29	G	-1.120E+02		-1.070E+02				PAC 27 Listing Table 1
3309	3308	Xylene, m-	108-38-3	000108-38-3	106.17	L	-4.780E+01	7.600E+02	1.391E+02	8.290E+00	2.500E+01	8.290E+00	CHAO,J ET AL. (1983)
3310	3309	Xylene, o-	95-47-6	000095-47-6	106.17	L	-2.520E+01	7.600E+02	1.445E+02	6.610E+00	2.500E+01	6.610E+00	DAUBERT,TE & DANNER,RP (1987)
3311	3310	Xylene, p-	106-42-3	000106-42-3	106.17	L	1.325E+01	7.600E+02	1.382E+02	8.840E+00	2.500E+01	8.840E+00	CHAO,J ET AL. (1983)
3312	3311	Xylenes	1330-20-7	001330-20-7	106.17	L			Grade Dependent	7.990E+00	2.500E+01	7.990E+00	DAUBERT,TE & DANNER,RP (1989)
3313	3312	Xylenol orange tetrasodium salt	3618-43-7	003618-43-7	764.63	S							PAC 27 Listing Table 1
3314	3313	Xylidine	1300-73-8	001300-73-8	121.18	L	-3.600E+01	7.680E+02	2.130E+02	1.383E-01	2.500E+01	1.383E-01	PERRY,RH & GREEN,D (1984); 2,4
3315	3314	Xylidine, 2,6-	87-62-7	000087-62-7	121.2	L	1.120E+01	7.600E+02	2.160E+02	1.250E-01	2.500E+01	1.250E-01	PAC 27 Listing Table 1
3316	3315	Xylidine, o,-; (2,3-Xylidine)	87-59-2	000087-59-2	121.2	L	-1.500E+01	7.600E+02	2.215E+02	7.500E-02	2.500E+01	7.500E-02	PAC 27 Listing Table 1
3317	3316	Xylylene dichloride	28347-13-9	028347-13-9	175.06	S	34-37		2.390E+02	2.000E-02	2.500E+01		PAC 27 Listing Table 1
3318	3317	Yeast extract	8013-01-2	008013-01-2		S							PAC 27 Listing Table 1
3319	3318	Ytterbium fluoride	13760-80-0	013760-80-0	230.04	S	1.157E+03		2.200E+03				PAC 27 Listing Table 1
3320	3319	Ytterbium oxide	1314-37-0	001314-37-0	394.08	S	2.435E+03						PAC 27 Listing Table 1
3321	3320	Yttrium	7440-65-5	007440-65-5	88.91	S	1.522E+03		3.345E+03	7.5x10-3	1.610E+03		PAC 27 Listing Table 1
3322	3321	Yttrium chloride, hexahydrate	10025-94-2	010025-94-2	303.38	S							PAC 27 Listing Table 1
3323	3322	Yttrium oxide	11130-29-3	011130-29-3	104.91	S							PAC 27 Listing Table 1
3324	3323	Yttrium trioxide	1314-36-9	001314-36-9	225.82	S	2.410E+03						PAC 27 Listing Table 1
3325	3324	Zeolites, CaA	68989-20-8	068989-20-8		S							PAC 27 Listing Table 1
3326	3325	Zeolites, KA	68989-21-9	068989-21-9		S							PAC 27 Listing Table 1
3327	3326	Zeolites, NaA	68989-22-0	068989-22-0		S							PAC 27 Listing Table 1
3328	3327	Zeolites, NaX	68989-23-1	068989-23-1		S							PAC 27 Listing Table 1
3329	3328	Zinc	7440-66-6	007440-66-6	65.41	S	4.195E+02		9.070E+02	7.5x10-3	3.370E+02		PAC 27 Listing Table 1
3330	3329	Zinc acetate	557-34-6	000557-34-6	183.47	S	2.370E+02						PAC 27 Listing Table 1
3331	3330	Zinc acetate dihydrate	5970-45-6	005970-45-6	219.51	S	2.370E+02						PAC 27 Listing Table 1
3332	3331	Zinc bromide	7699-45-8	007699-45-8	225.19	S	3.940E+02		6.970E+02				PAC 27 Listing Table 1
3333	3332	Zinc carbonate	3486-35-9	003486-35-9	125.38	S							PAC 27 Listing Table 1
3334	3333	Zinc carbonate hydroxide	5263-02-5	005263-02-5	142.4	S							PAC 27 Listing Table 1
3335	3334	Zinc chloride	7646-85-7	007646-85-7	136.27	S	2.900E+02		7.320E+02	1.000E+00	4.280E+02		PAC 27 Listing Table 1
3336	3335	Zinc cyanide	557-21-1	000557-21-1	117.41	S	800 decom						PAC 27 Listing Table 1
3337	3336	Zinc fluoride	7783-49-5	007783-49-5	103.37	S	8.720E+02		1.500E+03	1.000E+00	9.700E+02		PAC 27 Listing Table 1
3338	3337	Zinc hydroxide	20427-58-1	020427-58-1	99.4	S							PAC 27 Listing Table 1
3339	3338	Zinc nitrate	7779-88-6	007779-88-6	189.42	S	4.250E+01						PAC 27 Listing Table 1
3340	3339	Zinc nitrate hexahydrate	10196-18-6	010196-18-6	297.51	S	36 dec						PAC 27 Listing Table 1
3341	3340	Zinc nitrite	10102-02-0	010102-02-0	157.42	S							PAC 27 Listing Table 1
3342	3341	Zinc oxide	1314-13-2	001314-13-2	81.41	S	1.974E+03			~0	no temp		PAC 27 Listing Table 1
3343	3342	Zinc perchlorate	13637-61-1	013637-61-1	266.291	S							PAC 27 Listing Table 1
3344	3343	Zinc phenolsulfonate; (Zinc p-hydroxybenzenesulfonate)	127-82-2	000127-82-2	413.73	S							PAC 27 Listing Table 1
3345	3344	Zinc phosphate (3:2)	7779-90-0	007779-90-0	386.05	S	9.000E+02						PAC 27 Listing Table 1
3346	3345	Zinc phosphide	1314-84-7	001314-84-7	258.1	S	4.200E+02		1.100E+03	1.000E-07	2.500E+01		PAC 27 Listing Table 1
3347	3346	Zinc stearate	557-05-1	000557-05-1	632.3	S	1.300E+02						PAC 27 Listing Table 1
3348	3347	Zinc sulfate	7733-02-0	007733-02-0	161.43	S	740 dec						PAC 27 Listing Table 1
3349	3348	Zinc sulfate heptahydrate (1:1:7)	7446-20-0	007446-20-0	287.57	S	1.000E+02		>500 dec				PAC 27 Listing Table 1
3350	3349	Zinc sulfide	1314-98-3	001314-98-3	97.43	S	1.700E+03		sublime				PAC 27 Listing Table 1
3351	3350	Zirconium	7440-67-7	007440-67-7	91.22	S	1.855E+03		4.409E+03	7.5x10-3	2.366E+03		PAC 27 Listing Table 1
3352	3351	Zirconium boride	12045-64-6	012045-64-6	112.84	S	3.000E+03						PAC 27 Listing Table 1
3353	3352	Zirconium carbide	12070-14-3	012070-14-3	115.25	S	3400-3540		5.100E+03				PAC 27 Listing Table 1
3354	3353	Zirconium chloride	10026-11-6	010026-11-6	233.02	S	437 subl.		3.310E+02	1.000E+00	1.900E+02		PAC 27 Listing Table 1
3355	3354	Zirconium chloride oxide octahydrate	13520-92-8	013520-92-8	322.28	S							PAC 27 Listing Table 1
3356	3355	Zirconium fluoride	7783-64-4	007783-64-4	167.22	G							PAC 27 Listing Table 1
3357	3356	Zirconium hydride	7704-99-6	007704-99-6	93.24	S			> 300 dec				PAC 27 Listing Table 1
3358	3357	Zirconium hydroxide	14475-63-9	014475-63-9	159.254	S	dec						PAC 27 Listing Table 1
3359	3358	Zirconium nitrate	13746-89-9	013746-89-9	339.26	S							PAC 27 Listing Table 1
3360	3359	Zirconium nitride	25658-42-8	025658-42-8	105.2267	S	2.960E+03						PAC 27 Listing Table 1
3361	3360	Zirconium nitrite	z-0088	00000z-0088	137.2255	S							PAC 27 Listing Table 1
3362	3361	Zirconium oxide	1314-23-4	001314-23-4	123.22	S							PAC 27 Listing Table 1
3363	3362	Zirconium oxynitrate hydrate	14985-18-3	014985-18-3	250	S							PAC 27 Listing Table 1
3364	3363	Zirconium phosphide	12037-80-8	012037-80-8	153.16752	S							PAC 27 Listing Table 1

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	A	B	C	D	E	F	G	H	I	J	K	L	M
	No.	Chemical Compound	CAS Number (CASRN)	Modified Format CAS	Molecular Weight (MW)	QV State at 25°C	MP or FP [°C]	BP Pressure [mm Hg]	BP [°C]	Vapor Pressure [mm Hg]	T for VP [°C]	VP at 25°C [mm Hg]	Vapor Pressure @ 25°C Reference
1													
3365	3364	Zirconium potassium fluoride; (Potassium fluorozirconate)	16923-95-8	016923-95-8	283.4	S							PAC 27 Listing Table 1
3366	3365	Zirconium silane	z-0089	00000z-0089	147.391	S							PAC 27 Listing Table 1
3367	3366	Zirconium silicate; (Zirconium silicon oxide; Zircon)	10101-52-7	010101-52-7	187.3347	S							PAC 27 Listing Table 1
3368	3367	Zirconium sulfate tetrahydrate	7446-31-3	007446-31-3	355.4	S	410 decom						PAC 27 Listing Table 1
3369	3368	Zirconyl chloride; (Zirconium oxychloride)	7699-43-6	007699-43-6	178.12	S	150		2.100E+02				PAC 27 Listing Table 1
3370	3369	Zirconyl nitrate; (Bis(nitrato-O)oxozirconium)	13826-66-9	013826-66-9	231.24	S							PAC 27 Listing Table 1
3371	3370	Zonyl fsn fluorosurfactant	65545-80-4	065545-80-4	114.066	L	-7.795E+01	7.600E+02	8.000E+01	2.060E+01	2.500E+01	2.060E+01	ChemSpider EPI Suite Mean VP of Antoine and Grain Methods
3372	3371	zzAcrylic latex	z-0090	00000z-0090		L				1.000E-05	2.500E+01	1.000E-05	Emulsion of material having negligibale VP in inert base. A VP of 1E-5 at 25°C is assigned for calculation purposes.
3373	3372	zzAlumination 301	z-0091	00000z-0091		S							PAC 27 Listing Table 1
3374	3373	zzHydranal coulomat / AG	z-0092	00000z-0092		L		7.600E+02	6.470E+01	1.200E+02	2.500E+01	1.200E+02	Primary HC CAS 288-32-4; 5-15% in methanol. As MSDS BP for mixture is that of methanol; contribution of Imidazole is presumed to be 5%.
3375	3374	zzHydrocarbon polymer	z-0093	00000z-0093		S							PAC 27 Listing Table 1
3376	3375	zzHydrocount(R), LSC cocktail	z-0094	00000z-0094		L				4.800E+00	2.500E+01	4.800E+00	Based upon MSDS mixture component ranges, composition is set at 30% Iconol NP-9, 60% G-Xylene, 5% 2,5-diphenyloxazole, 5% Bis-MSB. VP based upon VPs of composition.
3377	3376	zzIconol(R)	z-0095	00000z-0095		L				1.000E-02	2.500E+01	1.000E-02	Per MSDS
3378	3377	zzMachine coolant 1	z-0096	00000z-0096		L	-5.600E+00	7.600E+02	1.000E+02	1.406E+01	2.500E+01	1.406E+01	Typical ethylene glycol based coolant; 1-4% diethylene glycol, 40-70% ethylene glycol, 26-59% water. PAC table 1 BP indicats water as primary component => 1% diethylene glycol, 40% ethylene glycol, 59% water. VP based upon composition of mixtture.
3379	3378	zzMonophase- S	z-0097	00000z-0097		L				2.100E+00	2.500E+01	2.100E+00	Per MSDS, mixture is 60-80% 1,2,4-trimethylbenzene + other components having negligible VPs.
3380	3379	zzMornar	z-0098	00000z-0098		S							No data on material or analogs. Assigned physical state of "S" for calculation purposes.
3381	3380	zzOpti-Fluor; (Alkyl benzene blend, 3% tributylphophate)	z-0099	00000z-0099		L		7.600E+02	2.915E+02	1.000E-01	2.000E+01	1.366E-01	VP estimated based upon MSDS data, Packard JUN1996
3382	3381	zzPropanol (-2) aluminum derivative	z-0101	00000z-0101		S							No data on material or analogs. Assigned physical state of "S" for calculation purposes.
3383	3382	zzScintillation cocktail, Ultima Gold XR	z-0102	00000z-0102	212.36	L	-3.000E+01	7.600E+02	2.900E+02	2.800E+00	2.500E+01	2.800E+00	Estimated using data from PAC 27 Listing Table 1
3384	3383	zzSicapent	z-0103	00000z-0103		S							Solid per manufacture data sheet
3385	3384	zzSynthetic resins	z-0104	00000z-0104		L		7.600E+02	9.800E+01	1.000E+01	2.000E+01	1.413E+01	VP estimated based upon MSDS and other data sources
3386	3385	zzTotal sequestrant reagent #5	z-0105	00000z-0105		L	-5.000E-01	7.600E+02	9.800E+01	8.080E-10	2.500E+01	8.080E-10	Based upon Nitric Acid, CAS 7697-37-2; EPI Suite Modified Grain Method
3387	3386	zzTrifluoroacetyl)-N,0,0,0-tetrakis((TMS)norepinephrine, N-(	z-0106	00000z-0106		S							No data on material or analogs. Assigned physical state of "S" for calculation purposes.
3388	3387	zzWaste oil	z-0107	00000z-0107		L	varies		varies	3.750E-03	2.500E+01	3.750E-03	Assigned VP for calculation purposes based upon Transformer oil, CAS 64742-53-6; MSDS Shell Gravex Oil
3389													

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