

<b>Listed Toxic Air Contaminants and Common Chemicals</b> <i>(sorted by Chemical name)</i>		
<b>CHEMICAL NAME</b>	<b>CAS #</b>	<b>Listed Air Toxic</b>
1,1,1,2-Tetrachloroethane	630206	Y
1,1,1,2-Tetrafluoroethane	811972	Y
1,1,2,2-Tetrachloroethane	79345	Y
1,1,2-Trichloroethane	79005	Y
1,1-Difluoroethane (HCFC 152a)	75376	Y
1,1-Dimethyl hyrazine	57147	Y
1,2,4 Trimethylbenzene	95636	N
1,2,4-Trichlorobenzene	120821	Y
1,2-Dibromo-3-chloropropane	96128	Y
1,2-Dichlorobenzene	95501	Y
1,2-Dimethyl hyrazine	540738	Y
1,2-Diphenylhydrazine (Hydrazobenzene)	122667	Y
1,2-Epoxybutane	106887	Y
1,2-Propylenimine (2-Methyl aziridine)	75558	Y
1,3-Butadiene	106990	Y
1,3-Dichloropropene	542756	Y
1,3-Propane sultone	1120714	Y
1,4-Dichlorobenzene (p-Dichlorobenzene)	106467	Y
1,4-Dioxane (1,4-Diethyleneoxide)	123911	Y
1-Chloro-1,1-difluoroethane (CFC 142B)	75683	Y
2,2,4-Trimethylpentane	540841	Y
2,4,5-Trichlorophenol	95954	Y
2,4,6-Trichlorophenol	88062	Y
2,4-and 2,6-Toluene diisocyanate <sup>h</sup>	26471625	Y
2,4-Diaminoanisole	615054	Y
2,4-Diaminotoluene	95807	Y
2,4-Dichlorophenoxyacetic acid, salts & esters (2,4-D)	94757	Y
2,4-Dimethylphenol	105679	Y
2,4-Dinitrophenol	51285	Y
2,4-Dinitrotoluene	121142	Y
2,4-Toluene diamine (2,4-Diaminotoluene)	95807	Y
2-Acetylaminofluorene	53963	Y
2-Aminoanthraquinone	117793	Y

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2-Chloroacetophenone	532274	Y
2-Chlorophenol	95578	Y
2-Nitropropane	79469	Y
3,3'-Dichlorobenzidine	91941	Y
3,3'-Dimethoxybenzidine	119904	Y
3,3'-Dimethyl benzidine	119937	Y
4,4-Methylene bis (2-chloroaniline)	101144	Y
4,4-Methylenedianiline	101779	Y
4,6-Dinitro-o-cresol	534521	Y
4-Aminobiphenyl	92671	Y
4-Chloroaniline	106478	Y
4-Chloro-o-phenylenediamine	95830	Y
4-Nitrobiphenyl	92933	Y
4-Nitrophenol	100027	Y
Acetaldehyde	75070	Y
Acetamide	60355	Y
Acetic Acid	64197	N
Acetone	67641	Y
Acetonitrile	75058	Y
Acetophenone	98862	Y
Acrolein	107028	Y
Acrylamide	79061	Y
Acrylic acid	79107	Y
Acrylonitrile	107131	Y
Aldrin	309002	Y
Allyl chloride	107051	Y
alpha-Hexachlorocyclohexane	319846	Y
Ammonia	7664417	Y
Aniline	62533	Y
Antimony & compounds <sup>a</sup> , including antimony trioxide		Y
Aramite	140578	Y
Arsenic & compounds <sup>a</sup> (inorganic)		Y
Arsine	7784421	Y
Asbestos <sup>b</sup>	1332214	Y

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Azobenzene	103333	Y
Barium	7440393	Y
Benzene	71432	Y
Benzidine	92875	Y
Benzoic acid	65850	Y
Benzotrichloride	98077	Y
Benzyl alcohol	100516	N
Benzyl chloride	100447	Y
Beryllium & compounds <sup>a</sup>		Y
beta-Hexachlorocyclohexane	319857	Y
beta-Propiolactone	57578	Y
Biphenyl	92524	Y
Bis (2-ethylhexyl) phthalate (DEHP)	117817	Y
Bis (chloromethyl) ether	542881	Y
Boron and borates		Y
Bromates (including Potassium bromate)		Y
Bromine and compounds (except Hydrogen bromide & Bromates)		Y
Bromodichloromethane	75274	Y
Bromoform	75252	Y
Butane	106978	N
Butyl Acetate	123864	N
Butyl benzyl phthalate	85687	Y
Cadmium & compounds <sup>a</sup>		Y
Calcium cyanamide	156627	Y
Captan	133062	Y
Carbaryl	63252	Y
Carbon disulfide	75150	Y
Carbon tetrachloride	56235	Y
Carbonyl sulfide	463581	Y
Catechol	120809	Y
Chloramben	133904	Y
Chlordane	57749	Y
Chlorinated Fluorocarbon (Freons)	76131	N

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Chlorinated paraffins (avg length C12- C13, 60% chlorine)	108171262	Y
Chlorine	7782505	Y
Chlorine dioxide	10049044	Y
Chloroacetic acid	79118	Y
Chlorobenzene	108907	Y
Chlorobenzilate	510156	Y
Chlorodifluoromethane (HCFC-22)	75456	Y
Chloroform	67663	Y
Chloromethane (Methyl Chloride)	74873	N
Chloromethyl methyl ether	107302	Y
Chloropicrin	76062	Y
Chloroprene	126998	Y
Chlorotoluene	106434	N
Chromium III & compounds <sup>a</sup> , insoluble salts		Y
Chromium VI & compounds <sup>a</sup>		Y
cis- 1,2-Dichloroethene	156592	Y
Cobalt & compounds <sup>a</sup>		Y
Coke oven emissions	8007452	Y
Copper & compounds <sup>a</sup> , except Copper cyanide		Y
Cresols/Cresylic acid isomers and mixtures (Methylphenols)	1319773	Y
Cumene	98828	Y
Cupferron	135206	Y
Cyanide & compounds (inorganic) <sup>1</sup> , except Hydrogen cyanide		Y
Cyclohexane	110827	Y
Cyclohexanone	108941	N
DI(2-ethylhexyl)Phthalate (DEHP)	117817	Y
Diazomethane	334883	Y
Dibromochloromethane	124481	Y
Dibutylphthalate	84742	Y
Dichloro diphenyl dichloroethylene (DDE)	3547044	Y
Dichloroethyl ether (Bis (chloroethyl) ether)	111444	Y
Dichlorvos	62737	Y

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Dieldrin	60571	Y
Diethanolamine	111422	Y
Diethyl sulfate	64675	Y
Diethylene glycol	111466	N
Diethylene glycol monobutyl ether	112345	N
Diethyleneglycol monoethyl ether	111900	N
Diethyleneglycol monomethyl ether	111733	N
Dimethyl carbamoyl chloride	79447	Y
Dimethyl Ether	115106	N
Dimethyl formamide	68122	Y
Dimethyl phthalate	131113	Y
Dimethyl sulfate	77781	Y
Epichlorohydrin	106898	Y
Ethanol	64175	N
Ethyl Acetate	141786	N
Ethyl acrylate	140885	Y
Ethyl benzene	100414	Y
Ethyl carbamate (Urethane)	51796	Y
Ethyl chloride (Chloroethane)	75003	Y
Ethylene dibromide (Dibromoethane)	106934	Y
Ethylene dichloride (1,2-Dichloroethane)	107062	Y
Ethylene glycol	107211	Y
Ethylene glycol monobutyl ether	111762	Y
Ethylene glycol monoethyl ether	110805	Y
Ethylene glycol monoethyl ether acetate	111159	Y
Ethylene glycol monomethyl ether	109864	Y
Ethylene glycol monomethyl ether acetate	110496	Y
Ethylene imine (Aziridine)	151564	Y
Ethylene oxide	75218	Y
Ethylene thiourea	96457	Y
Ethylidene dichloride (1,1-Dichloroethane)	75343	Y
Fine mineral fibers <sup>c</sup>		Y
Fluorides & compounds, including Hydrogen fluoride		Y
Formaldehyde	50000	Y
Formic Acid	64186	N

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gamma-Hexachlorocyclohexane (Lindane)	58899	Y
Glutaraldehyde	111308	Y
Glycol ethers	230	Y
Heptachlor	76448	Y
Heptane	142825	N
Hexachlorobenzene	118741	Y
Hexachlorobutadiene	87683	Y
Hexachlorocyclohexanes, technical grade & mixed isomers	608731	Y
Hexachlorocyclopentadiene	77474	Y
Hexachloroethane	67721	Y
Hexamethylene-1,6-diisocyanate	822060	Y
Hexamethylphosphoramide	680319	Y
Hexane	110543	Y
Hydrazine	302012	Y
Hydrochloric acid (Hydrogen chloride)	7647010	Y
Hydrogen bromide	10035106	Y
Hydrogen cyanide	74908	Y
Hydrogen sulfide	7783064	Y
Hydroquinone	123319	Y
Isobutanol	78831	N
Isobutyl acetate	110190	N
Isophorone	78591	Y
Isopropanol	67630	Y
Kerosene	8008206	N
Lactol Spirits	64742898	N
Lead - tetraethyl lead	78002	Y
Lead & compounds <sup>a</sup> , inorganic		Y
Maleic anhydride	108316	Y
Manganese & compounds <sup>a</sup>		Y
Mercury – Methyl mercury	22967926	Y
Mercury & compounds <sup>a</sup> – elemental & inorganic		Y
Methanol	67561	Y
Methoxychlor	72435	Y
Methyl acetate	79209	N

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Methyl amyl ketone	110430	N
Methyl bromide (Bromomethane)	74839	Y
Methyl chloride (Chloromethane)	74873	Y
Methyl chloroform (1,1,1-Trichloroethane)	71556	Y
Methyl cyclohexane	108872	N
Methyl ethyl ketone (2-Butanone)	78933	Y
Methyl hydrazine	60344	Y
Methyl iodide (Iodomethane)	74884	Y
Methyl isobutyl ketone (Hexanone)	108101	Y
Methyl isocyanate	624839	Y
Methyl methacrylate	80626	Y
Methyl tert butyl ether (MTBE)	1634044	Y
Methylene chloride (Dichloromethane)	75092	Y
Methylene diphenyl diisocyanate	101688	Y
Michler's ketone (4,4'-Bis (dimethylamino) benzophenone)	90948	Y
Mineral spirits	64475850	N
Molybdenum and compounds <sup>a</sup>		Y
n,n-Dimethyl aniline	121697	Y
Naphthalene	91203	Y
Naptha	8052413	N
N-Butyl alcohol	71363	N
N-Dioctyl phthlate	117840	N
Nickel and compounds <sup>a</sup> , except Nickel subsulfide		Y
Nickel subsulfide	12035722	Y
Nitric acid	7697372	Y
Nitrobenzene	98953	Y
NN Dimethylformamide	68122	Y
NN-Dimethylaniline	121697	Y
N-Nitrosdi-n-propylamine	621647	Y
N-Nitrosodiethylamine	55185	Y
N-Nitrosodimethylamine	62759	Y
N-Nitrosodi-n-butylamine	924163	Y
N-Nitrosodiphenylamine	86306	Y

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N-Nitrosomorpholine	59892	Y
N-Nitroso-n-methylethylamine	10595956	Y
N-Nitroso-n-methylurea	684935	Y
N-Nitrosopiperidine	100754	Y
N-Nitrosopyrrolidine	930552	Y
N-Propyl Acetate	109604	N
N-Propyl Alcohol	71238	N
<u>n-Propyl bromide(1-Bromopropane)</u>	<u>106945</u>	<u>Y</u>
o-Anisidine	90040	Y
o-Toluidine	95534	Y
Parathion	56382	Y
PCBs- Aroclor 1254	11097691	Y
p-chloro-o-toluidine	95692	Y
p-Cresidine	120718	Y
p-Dimethyl aminoazobenzene	60177	Y
Pentachloronitrobenzene (Quintozene)	82688	Y
Pentachlorophenol	87865	Y
Pentane	109660	N
Phenol	108952	Y
Phosgene	75445	Y
Phosphine	7803512	Y
Phosphoric acid	7664382	Y
Phosphorus, white	7723140	Y
Phthalic anhydride	85449	Y
Polychlorinated biphenyls (PCBs), except Aroclor 1254	1336363	Y
Polychlorinated dibenzo dioxins (PCDDs), polychlorinated dibenzo furans (PCDFs) and dioxin-like polychlorinated biphenyls (PCBs) <sup>d</sup>		Y
Polycyclic Organic Matter <sup>c</sup>		Y
p-Phenylenediamine	106503	Y
Propionaldehyde	123386	Y
Propoxur (Baygon)	114261	Y
Propylene	115071	Y
Propylene dichloride (1,2-Dichloropropane)	78875	Y



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Propylene glycol	57556	N
Propylene glycol monomethyl ether (PGME)	107982	Y
Propylene oxide	75569	Y
Quinoline	91225	Y
Quinone	106514	Y
Selenium – Hydrogen selenide		Y
Selenium & compounds <sup>a</sup> except Hydrogen selenide and Selenium sulfide		Y
Selenium sulfide	7446346	Y
Sodium hydroxide	1310732	Y
Styrene	100425	Y
Styrene oxide	96093	Y
Sulfates <sup>f</sup>		Y
Sulfuric acid and Oleum <sup>g</sup>		Y
Tetrachloroethylene (Perchloroethylene)	127184	Y
Tetrachlorophenols	25167833	Y
Thioacetamide	62555	Y
Titanium tetrachloride	7550450	Y
Toluene	108883	Y
Toxaphene (Chlorinated camphene)	8001352	Y
trans- 1,2-Dichloroethene	156605	Y
Trichloroethylene	79016	Y
Trichlorofluoromethane	75694	Y
Triethylamine	121448	Y
Trifluralin	1582098	Y
Vanadium and compounds <sup>a</sup>		Y
Vinyl acetate	108054	Y
Vinyl bromide	593602	Y
Vinyl chloride	75014	Y
Vinylidene chloride (1,1-Dichloroethylene)	75354	Y
Xylenes, isomers and mixtures	1330207	Y
Zinc and compounds <sup>a</sup>		Y

<sup>a</sup>For metal compounds, Minimum Quantities apply to the metal portion of the compound.

<sup>b</sup>Asbestos units are fibers/year.

<sup>c</sup>Fine mineral fibers are mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers or other mineral derived fibers of average diameter 1 micrometer ( $\mu\text{m}$ ) or less.

<sup>d</sup>PCDD Minimum Quantity is in terms of 2,3,7,8-tetrachlorodibenzodioxin equivalents, calculated as specified in the Rhode Island Air Toxics Guideline.

<sup>e</sup>Polycyclic Organic Matter Minimum Quantity is in terms of benzo(a)pyrene equivalents, calculated as specified in the Rhode Island Air Toxics Guideline.

<sup>f</sup>Sulfates MQ applies to ammonium bisulfate  $[(\text{NH}_4)\text{HSO}_4]$ , CAS 7803-63-6], ammonium sulfate  $[(\text{NH}_4)_2\text{SO}_4]$ , CAS 7783-20-2], ferric sulfate  $[\text{Fe}(\text{SO}_4)_3]$ , CAS 10028-22-5] and sodium sulfate  $[\text{Na}_2\text{SO}_4]$ , CAS 7757-82-6]

<sup>g</sup>Sulfuric acid and oleum MQ applies to sulfuric acid ( $\text{H}_2\text{SO}_4$ , CAS 7664-03-9), sulfur trioxide ( $\text{SO}_3$ , CAS 7446-71-9) and oleum ( $\text{H}_2\text{SO}_4 + \text{SO}_3$ , CAS 8014-95-7)

<sup>h</sup>Includes 2,4-TDI (CAS 584849), 2,6-TDI (CAS 91087) and 2,4/2,6 mixtures (CAS 26471625)

<sup>i</sup>XCN where X equals any group other than H where a formal dissociation may occur, such as KCN or  $\text{Ca}(\text{CN})_2$ .