

APPENDIX B - REGULATED AIR POLLUTANTS

This appendix is intended to serve as a reference to identify both locally and federally regulated air pollutants that must be addressed in permit applications. Federally regulated air pollutants are defined in 40 CFR 70.2. Locally regulated air pollutants are listed in MCAPCO Regulation 1.5211 – “Applicability” and include those pollutants subject to regulation under MCAPCO 2.1104 – “Toxic Air Pollutant Guidelines”. There is substantial overlap between federally regulated and locally regulated air pollutants.

As defined in 40 CFR 70.2, regulated air pollutants include those pollutants that are regulated by the Clean Air Act or by regulations that EPA has promulgated to implement the Clean Air Act. These include the 187 hazardous air pollutants (“HAPs”) listed in 112(b) of the Clean Air Act and those pollutants listed as 112(r) pollutants. It should be noted that when a pollutant is regulated for one source category by a standard or other requirement (e.g. NSPS, MACT), it is considered regulated for all source categories.

The list also includes the toxic air pollutants (“TAPs”) listed in MCAPCO 2.1104. These pollutants are not “regulated air pollutants” under the definition in 40 CFR 70.2 unless they are also listed as 112(b), 112(r), or Title IV pollutants. TAPs are regulated at the Local level. They are to be addressed in permit applications at the time and manner specified by the North Carolina Division of Air Quality.

APPENDIX B - REGULATED AIR POLLUTANTS

REGULATED POLLUTANTS - MCAPCO 1.5211(d)
Sulfur Dioxide
Total Suspended Particulates
Particulate Matter (PM10/PM2.5)
Carbon Monoxide
Nitrogen Oxides
Volatile Organic Compounds
Lead and Lead Compounds
Fluorides
Total Reduced Sulfur
Reduced Sulfur Compounds
Hydrogen Sulfide
Sulfuric Acid Mists
Asbestos
Arsenic and Arsenic Compounds
Beryllium and Beryllium Compounds
Cadmium and Cadmium Compounds
Chromium (VI) and Chromium (VI) Compounds
Mercury and Mercury Compounds
Hydrogen Chloride
Vinyl Chloride
Benzene
Ethylene Oxide
Dioxins and Furans
Ozone
Toxic Air Pollutants Listed in MCAPCO 2.1104 – “Toxic Air Pollutant Guidelines”

TOXIC AND HAZARDOUS AIR POLLUTANTS			
POLLUTANT NAME	CAS NUMBER	HAP	TAP
Acetaldehyde	75-07-0	Y	Y
Acetamide	60-35-5	Y	
Acetic acid	64-19-7		Y
Acetonitrile	75-05-8	Y	
Acetophenone	98-86-2	Y	
Acetylaminofluorene, 2-	53-96-3	Y	
Acrolein	107-02-8	Y	Y
Acrylamide	79-06-1	Y	
Acrylic acid	79-10-7	Y	
Acrylonitrile	107-13-1	Y	Y
Allyl chloride	107-05-1	Y	

TOXIC AND HAZARDOUS AIR POLLUTANTS

POLLUTANT NAME	CAS NUMBER	HAP	TAP
Aminobiphenyl, 4-	92-67-1	Y	
Ammonia	7664-41-7		Y
Ammonium chromate (See Chromium Compounds)	7788-98-9	Y	Y
Ammonium dichromate (See Chromium Compounds)	7789-09-5	Y	Y
Aniline	62-53-3	Y	Y
Anisidine, o-	90-04-0	Y	
Antimony compounds	ANTIMONYCPDS	Y	
Arsenic & inorganic arsenic compounds	ARSENICCPDS	Y	Y
Asbestos	1332-21-4	Y	Y
Aziridine (Ethylene Imine)	151-56-4	Y	Y
Benzene	71-43-2	Y	Y
Benzidene	92-87-5	Y	Y
Benzidene & salts	BENZIDENESALTS	y	y
Benzo(a)pyrene (see also polycyclic organic matter)	50-32-8	y	Y
Benzotrichloride	98-07-7	Y	
Benzyl chloride	100-44-7	Y	Y
Beryllium & compounds	BERYLCPDS	Y	Y
Beryllium chloride	7787-47-5	y	Y
Beryllium fluoride	7787-49-7	y	Y
Beryllium nitrate	13597-99-4	y	Y
Biphenyl	92-52-4	Y	
Bis-chloromethyl ether	542-88-1	Y	Y
Bromine	7726-95-6		Y
Bromoform	75-25-2	Y	
Butadiene, 1,3-	106-99-0	Y	Y
Butyl Cellosolve (2-Butoxy Ethanol) (A Glycol Ether)	111-76-2	Y	
Cadmium & compounds	CADMIUMCPDS	Y	Y
Cadmium acetate	543-90-8	y	Y
Cadmium bromide	7789-42-6	y	Y
Calcium chromate (See Chromium Compounds)	13765-19-0	y	Y
Calcium cyanamide	156-62-7	Y	
Captan	133-06-2	Y	
Carbaryl	63-25-2	Y	
Carbon disulfide	75-15-0	Y	Y
Carbon tetrachloride	56-23-5	Y	Y
Carbonyl sulfide	463-58-1	Y	
Catechol	120-80-9	Y	
Chloramben	133-90-4	Y	
Chlordane	57-74-9	Y	
Chlorine	7782-50-5	Y	Y
Chloroacetic acid	79-11-8	Y	
Chloroacetophenone, 2-	532-27-4	Y	

TOXIC AND HAZARDOUS AIR POLLUTANTS

POLLUTANT NAME	CAS NUMBER	HAP	TAP
Chlorobenzene	108-90-7	Y	Y
Chlorobenzilate	510-15-6	Y	
Chloroform	67-66-3	Y	Y
Chloromethyl methyl ether	107-30-2	Y	
Chloroprene	126-99-8	Y	Y
Chromic acid (See Chromium Compounds)	7738-94-5	Y	Y
Chromium compounds	CHROMCPDS	Y	
Chromium (VI) & compounds	CHROM6CPDS	Y	Y
Cobalt compounds	COBALTCPDS	Y	
Coke oven emissions	COKEOVNEM	Y	
Cresol	1319-77-3	Y	Y
Cresol/Cresylic Acid (isomers and mixture)	CRESISOMER	Y	
Cresol, m-	108-39-4	Y	Y
Cresol, o-	95-48-7	Y	Y
Cresol, p-	106-44-5	Y	Y
Cumene	98-82-8	Y	
Cyanide compounds (see also hydrogen cyanide)	CNC	Y	
D, 2,4 (salts & esters)	94-75-7	Y	
DDE	72-55-9	Y	
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7	Y	Y
Diazomethane	334-88-3	Y	
Dibenzofurans	132-64-9	Y	
Dibromo-3-chloropropane, 1,2-	96-12-8	Y	
Dibutylphthalate	84-74-2	Y	
Dichlorobenzene(p), 1,4-	106-46-7	Y	Y
Dichlorobenzidene, 3,3-	91-94-1	Y	
Dichlorodifluoromethane (CFC-12)	75-71-8		Y
Dichloroethyl ether (Bis (2-chloroethyl)ether)	111-44-4	Y	
Dichlorofluoromethane	75-43-4		Y
Dichloropropene, 1,3-	542-75-6	Y	
Dichlorvos	62-73-7	Y	
Diethanolamine	111-42-2	Y	
Diethyl aniline, N,N-	121-69-7	Y	
Diethyl sulfate	64-67-5	Y	
Dimethoxybenzidine, 3,3-	119-90-4	Y	
Dimethyl aminoazobenzene	60-11-7	Y	
Dimethyl benzidine, 3,3-	119-93-7	Y	
Dimethyl carbamoyl chloride	79-44-7	Y	
Dimethyl formamide	68-12-2	Y	
Dimethyl hydrazine, 1,1-	57-14-7	Y	
Dimethyl phthalate	131-11-3	Y	
Dimethyl sulfate	77-78-1	Y	Y

TOXIC AND HAZARDOUS AIR POLLUTANTS

POLLUTANT NAME	CAS NUMBER	HAP	TAP
Dinitro-o-cresol, 4,6- (& salts)	534-52-1	Y	
Dinitrophenol, 2,4-	51-28-5	Y	
Dinitrotoluene, 2,4-	121-14-2	Y	
Dioxane, 1,4- (1,4 - Diethylene Oxide)	123-91-1	Y	Y
Diphenylhydrazine, 1,2-	122-66-7	Y	
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8	Y	Y
Epoxybutane, 1,2-	106-88-7	Y	
Ethyl acetate	141-78-6		Y
Ethyl acrylate	140-88-5	Y	
Ethyl benzene	100-41-4	Y	
Ethyl carbamate (urethane)	51-79-6	Y	
Ethyl chloride (chloroethane)	75-00-3	Y	
Ethyl mercaptan	75-08-1		Y
Ethylene dibromide (Dibromoethane)	106-93-4	Y	Y
Ethylene dichloride (1,2-dichloroethane)	107-06-2	Y	Y
Ethylene glycol	107-21-1	Y	
Ethylene glycol monoethyl ether (see glycol ethers)	110-80-5	Y	Y
Ethylene oxide	75-21-8	Y	Y
Ethylene thiourea	96-45-7	Y	
Ethylenediamine	107-15-3		Y
Ethylidene dichloride (1,1-dichloroethane)	75-34-3	Y	
Fine mineral fibers	FINMINFIB	Y	
Fluorides (See Also Hydrogen Fluoride)	FLUORIDES		Y
Formaldehyde	50-00-0	Y	Y
Glycol ethers	GLYCOLETHERS	Y	
Heptachlor	76-44-8	Y	
Hexachlorobenzene	118-74-1	Y	
Hexachlorobutadiene	87-68-3	Y	
Hexachlorocyclopentadiene	77-47-4	Y	Y
Hexachlorodibenzo-p-dioxin	57653-85-7		Y
Hexachloroethane	67-72-1	Y	
Hexamethylene-1,6-diisocyanate	822-06-0	Y	
Hexamethylphosphoramide	680-31-9	Y	
Hexane, isomers	HEXANEISO		Y
Hexane, n-	110-54-3	Y	Y
Hydrazine	302-01-2	Y	Y
Hydrogen chloride (hydrochloric acid)	7647-01-0	Y	Y
Hydrogen cyanide (see cyanide compounds)	74-90-8	Y	Y
Hydrogen fluoride (hydrofluoric acid)	7664-39-3	Y	Y
Hydrogen sulfide	7783-06-4		Y
Hydroquinone	123-31-9	Y	
Isophorone	78-59-1	Y	

TOXIC AND HAZARDOUS AIR POLLUTANTS

POLLUTANT NAME	CAS NUMBER	HAP	TAP
Lead compounds	LEADCPDS	Y	
Lindane (all isomers)	58-89-9	Y	
Maleic anhydride	108-31-6	Y	Y
Manganese & compounds	MANGCPDS	Y	Y
Manganese cyclopentadienyl tricarbonyl	12079-65-1	Y	Y
Manganese tetroxide	1317-35-7	Y	Y
Mercury & compounds	MERCCPDS	Y	
Mercury, alkyl	MERCALKYL	Y	Y
Mercury, aryl and inorganic compounds	MERCARYL	Y	Y
Mercury, vapor	7439-97-6	Y	Y
Methanol	67-56-1	Y	
Methoxychlor	72-43-5	Y	
Methyl benzene (toluene)	METHBENZENE	Y	Y
Methyl bromide (bromomethane)	74-83-9	Y	
Methyl chloride (chloromethane)	74-87-3	Y	
Methyl chloroform (1,1,1 - trichloroethane)	71-55-6	Y	Y
Methyl ethyl ketone (2-butanone)	78-93-3		Y
Methyl hydrazine	60-34-4	Y	
Methyl iodide (iodomethane)	74-88-4	Y	
Methyl isobutyl ketone (hexone)	108-10-1	Y	Y
Methyl isocyanate	624-83-9	Y	
Methyl mercaptan	74-93-1		Y
Methyl methacrylate	80-62-6	Y	
Methyl tertiary butyl ether	1634-04-4	Y	
Methylene bis(2-chloroaniline), 4,4-	101-14-4	Y	
Methylene chloride (dichloromethane)	75-09-2	Y	Y
Methylene diphenyl diisocyanate (MDI)	101-68-8	Y	
Methylenedianiline, 4,4-	101-77-9	Y	
Naphthalene	91-20-3	Y	
Nickel & compounds	NICKCPDS	Y	
Nickel carbonyl	13463-39-3	Y	Y
Nickel metal	7440-02-0	Y	Y
Nickel subsulfide	12035-72-2	Y	Y
Nickel, soluble compounds as nickel	NICKSOLCPDS	Y	Y
Nitric acid	7697-37-2		Y
Nitrobenzene	98-95-3	Y	Y
Nitrobiphenyl, 4-	92-93-3	Y	
Nitrophenol, 4-	100-02-7	Y	
Nitropropane, 2-	79-46-9	Y	
Nitroso-N-methylurea, N-	684-93-5	Y	
Nitrosodimethylamine, N-	62-75-9	Y	Y
Nitrosomorpholine, N-	59-89-2	Y	

TOXIC AND HAZARDOUS AIR POLLUTANTS

POLLUTANT NAME	CAS NUMBER	HAP	TAP
Parathion	56-38-2	Y	
Pentachloronitrobenzene (Quintobenzene)	82-68-8	Y	
Pentachlorophenol	87-86-5	Y	Y
Perchloroethylene (tetrachloroethylene)	127-18-4	Y	Y
Phenol	108-95-2	Y	Y
Phenylenediamine, p-	106-50-3	Y	
Phosgene	75-44-5	Y	Y
Phosphine	7803-51-2	Y	Y
Phosphorus	7723-14-0	Y	
Phthalic anhydride	85-44-9	Y	
Polychlorinated biphenyls (aroclors)	1336-36-3	Y	Y
Polycyclic organic matter (POM) (see also benzo(a)pyrene)	POM	Y	
Potassium chromate (see chromium compounds)	7789-00-6	Y	Y
Potassium dichromate (see chromium compounds)	7778-50-9	Y	Y
Propane sultone, 1,3-	1120-71-4	Y	
Propiolactone, beta-	57-57-8	Y	
Propionaldehyde	123-38-6	Y	
Propoxur (baygon)	114-26-1	Y	
Propylene dichloride (1,2 - Dichloropropane)	78-87-5	Y	
Propylene oxide	75-56-9	Y	
Propylenimine, 1,2- (2-methylaziridine)	75-55-8	Y	
Quinoline	91-22-5	Y	
Quinone	106-51-4	Y	
Radionuclides (including radon)	RADIONUC	Y	
Selenium compounds	SEC	Y	
Sodium chromate (see chromium compounds)	7775-11-3	Y	Y
Sodium dichromate (see chromium compounds)	10588-01-9	Y	Y
Strontium chromate (see chromium compounds)	7789-06-2	Y	Y
Styrene	100-42-5	Y	Y
Styrene oxide	96-09-3	Y	
Sulfuric acid	7664-93-9		Y
Tetrachloro-1,2-difluoroethane, 1,1,2,2-	76-12-0		Y
Tetrachloro-2,2-difluoroethane, 1,1,1,2-	76-11-9		Y
Tetrachlorodibenzo-p-dioxin, 2,3,7,8-	1746-01-6	Y	Y
Tetrachloroethane, 1,1,1,2,2-	79-34-5	Y	Y
Titanium tetrachloride	7550-45-0	Y	
Toluene	108-88-3	Y	Y
Toluene diamine, 2,4-	95-80-7	Y	
Toluene diisocyanate, 2,4-	584-84-9	Y	Y
Toluidine, o-	95-53-4	Y	
Toxaphene (chlorinated camphene)	8001-35-2	Y	
Trichloro-1,2,2-trifluoroethane, 1,1,2- (CFC-113)	76-13-1		Y

TOXIC AND HAZARDOUS AIR POLLUTANTS

POLLUTANT NAME	CAS NUMBER	HAP	TAP
Trichlorobenzene, 1,2,4-	120-82-1	Y	
Trichloroethane, 1,1,2-	79-00-5	Y	
Trichloroethylene	79-01-6	Y	Y
Trichlorofluoromethane	75-69-4		Y
Trichlorophenol, 2,4,5-	95-95-4	Y	
Trichlorophenol, 2,4,6-	88-06-2	Y	
Triethylamine	121-44-8	Y	
Trifluralin	1582-09-8	Y	
Trimethylpentane, 2,2,4-	540-84-1	Y	
Vinyl acetate	108-05-4	Y	
Vinyl bromide	593-60-2	Y	
Vinyl chloride	75-01-4	Y	Y
Vinylidene chloride (1,1 - dichloroethylene)	75-35-4	Y	Y
Xylene	1330-20-7	Y	Y
Xylene, m-	108-38-3	Y	Y
Xylene, o-	95-47-6	Y	Y
Xylene, p-	106-42-3	Y	Y
Zinc chromate (see chromium compounds)	13530-65-9	Y	Y

HAP-Hazardous Air Pollutant (1990 Clean Air Act/Title V) TAP-Toxic Air Pollutant (MCAQ/NC Rules)

CAA 112(r) - TOXIC SUBSTANCES

CHEMICAL NAME	CAS NUMBER	THRESHOLD (lbs)
Acrolein [2-Propenal]	107-02-8	5000
Acrylonitrile [2-Propenenitrile]	107-13-1	20000
Acrylylchloride [2-Propenoylchloride]	814-68-6	5000
Allylalcohol [2-Propen-1-01]	107-18-61	15000
Allylamine [2-Propen-1-amine]	107-11-9	10000
Ammonia (anhydrous)	7664-41-7	10000
Ammonia (conc 20% or greater)	7664-41-7	20000
Arsenoutrichloride	7784-34-1	15000
Arsine	7784-42-1	1000
Borontrichloride [Borane, trichloro-]	1029-4-34-5	5000
Borontrifluoride [Borane, trifluoro-]	7637-07-2	5000
Borontrifluoride compound with methyl ether(1:1) [Boron,trifluoro[oxybis[metane]]-, T-4-Bromine	7726-95-6	10000
Carbondisulfide	75-15-0	20000
Chlorine	7782-50-5	2500
Chlorinedioxide [Chlorineoxide(ClO2)]	1004-9-04-4	1000
Chloroform [Methane, trichloro-]	67-66-3	20000
Chloromethylether [Methane, oxybis [chloro0]]	542-88-1	1000
Chloromethylmethylether [Methane, chloromethoxy-]	107-30-2	5000
Crotonaldehyde [2-Butenal]	4170-30-3	20000

CAA 112(r) - TOXIC SUBSTANCES

CHEMICAL NAME	CAS NUMBER	THRESHOLD (lbs)
Crotonaldehyde, (E)-[2-Butenal,(E)-]	123-73-9	20000
Cyanogenchloride	506-77-4	10000
Cyclohexylamine [Cyclohexanamine]	108-91-8	15000
Diborane	1928-7-45-7	2500
Dimethyldichlorosilane [Silane, dichlorodimethyl-]	75-78-5	5000
1,1-Dimethylhydrazine [Hydrazine, 1,1-dimethyl-]	57-14-7	15000
Epichlorohydrin [Oxirane, (chloromethyl)-]	106-89-8	15000
Ethylenediamine [1,2 - Ethanediamine]	107-15-3	20000
Dethyleneimine [Aziridine]	151-56-4	10000
Ethyleneoxide [Oxirane]	75-21-8	10000
Fluorine	7782-41-4	1000
Formaldehyde (solution)	50-00-0	15000
Furan	110-00-9	5000
Hydrazine	302-01-2	15000
Hydrochloricacid (conc 37% or greater)	7647-01-0	15000
Hydrocyanic acid	74-90-8	2500
Hydrogenchloride (anhydrous) [Hydrochloricacid]	7647-01-0	5000
Hydrogen fluoride/Hydrofluoric acid (con 50% or greater) [Hydrofluoric acid]	7664-39-3	1000
Hydrogenselenide	7783-07-5	500
Hydrogensulfide	7783-06-4	10000
Iron, pentacarbonyl - [Ironcarbonyl(Fe(CO)5),(TB-5-11)-]	13463-40-6	2500
Isobutyronitrile [Propanenitrile, 2-methyl-]	78-82-0	20000
Isopropylchloroformate [Carbonochloridic acid, 1-methylethyl ester]	108-23-6	15000
Methacrylonitrile [2-Propenenitrile, 2-mehtyl-]	126-98-7	10000
Methylchloride [Methane, chloro-]	74-87-3	10000
Methylchloroformate [Carbonochloridic acid, methylester]	79-22-1	5000
Methylhydrazine [Hydrazine,methyl-]	60-34-4	15000
Methylisocyanate [Methane, isocyanato-]	624-83-9	10000
Methylmercaptan [Methanethiol]	74-93-1	10000
Methylthiocyanate [Thiocyanic acid, methyl ester]	556-64-9	20000
Methyltrichlorosilane [Silane, trichloromethyl-]	75-79-6	5000
Nickel carbonyl	13463-39-3	1000
Nitric acid (conc 80% or greater)	7697-37-2	15000
Nitricoxide [Nitrogenoxide(NO)]	10102-43-9	10000
Oleum (Fuming Sulfuric acid)[Sulfuric acid, mixture with sulfurtrioxide]	8014-95-7	10000
Peracetic acid [Ethaneperoxoic acid]	79-21-0	10000
Perchloromethylmercaptan [Methane sulfenyl chloride, trichloro-]	594-42-3	10000
Phosgene [Carbonicdichloride]	75-44-5	500
Phosphine	7803-51-2	5000
Phosphorusoxy chloride [Phosphorylchloride]	10025-87-3	5000
Phosphorustrichloride [Phosphorous trichloride]	7719-12-2	15000
Piperidine	110-89-4	15000

CAA 112(r) - TOXIC SUBSTANCES

CHEMICAL NAME	CAS NUMBER	THRESHOLD (lbs)
Propionitrile [Propanenitrile]	107-12-0	10000
Propylchloroformate [Carbonochloridic acid, propylester]	109-61-5	15000
Propyleneimine [Aziridine, 2-methyl-]	75-55-8	10000
Propylene oxide [Oxirane, methyl-]	75-56-9	10000
Sulfur dioxide (anhydrous)	7446-09-5	5000
Sulfur tetrafluoride [Sulfur fluoride(SF4), (T-4)-]	7783-60-0	2500
Sulfur trioxide	7446-11-9	10000
Tetramethyl lead [Plumbane, tetramethyl-]	75-74-1	10000
Tetranitromethane [Methane, tetranitro-]	509-14-8	10000
Titaniumtetrachloride [Titanium chloride (TiCl4)(T-4)-]	7550-45-0	2500
Toluene 2,4-diisocyanate [Benzene, 2,4-dissocyanato-1-methyl-]	584-84-9	10000
Toluene 2,6-diisocyanate [Benzene,1,3-dissocyanato-2-methyl-]	91-08-7	10000
Toluene diisocyanate (unspecified isomer) [Benzene, 1,3-diisocyanatomethyl-]	26471-62-5	10000
Trimethylchlorosilane [Silane, chlorotrimethyl-]	75-77-4	10000
Vinylacetatemonomer [Aceticacidethenyl ester]	108-05-4	15000

CAA 112(r) - FLAMMABLE SUBSTANCES

CHEMICAL NAME	CAS NUMBER	THRESHOLD (lbs)
Acetaldehyde	75-07-0	10000
Acetylene [Ethyne]	74-86-2	10000
Bromotrifluoroethylene [Ethene, bromotrifluoro-]	598-73-2	10000
1,3 - Butadiene	106-99-0	10000
Butane	106-97-8	10000
1 - Butene	106-98-9	10000
2 - Butene	107-01-7	10000
Butene	2516-7-67-3	10000
2 - Butene-cis	590-18-1	10000
2 - Butene-trans [2-Butene,(E)]	624-64-6	10000
Carbonoxysulfide [Carbonoxide sulfide (COS)]	463-58-1	10000
Chlorinemonoxide [Chlorineoxide]	7791-21-1	10000
2-Chloropropylene [1-Propene, 2-chloro-]	557-98-2	10000
1-Chloropropylene [1-Propene, 1-chloro-]	590-21-6	10000
Cyanogen [Ethanedinitrile]	460-19-5	10000
Cyclopropane	75-19-4	10000
Dichlorosilane [Silane, dichloro-]	4109-96-0	10000
Difluoroethane [Ethane, 1,1 -difluoro-]	75-37-6	10000
Dimethylamine [Methanamine, N-methyl-]	124-40-3	10000
2,2 - Dimethylpropane [Propane, 2,2-dimethyl-]	463-82-1	10000
Ethane	74-084-0	10000
Ethylacetylene [1-Butyne]	107-00-6	10000

CAA 112(r) - FLAMMABLE SUBSTANCES

CHEMICAL NAME	CAS NUMBER	THRESHOLD (lbs)
Ethylamine [Ethanamine]	75-04-7	10000
Ethylchloride [Ethane, chloro-]	75-00-3	10000
Ethylene [Ethene]	74-85-1	10000
Ethyl ether [Ethane, 1,1' -oxybis-]	60-29-7	10000
Ethylmercaptan [Ethanethiol]	75-08-1	10000
Ethylnitrite [Nitrous acid, ethyl acid]	109-95-5	10000
Hydrogen	1333-74-0	10000
Isobutane [Propane, 2-methyl]	75-28-5	10000
Isopentane [Butane, 2-methyl]	78-79-5	10000
Isoprene [1,3-Butadiene, 2-methyl-]	78-79-5	10000
Isopropylamine [2-Propanamine]	75-31-0	10000
Isopropylchloride [Propane, 2-chloro-]	75-29-6	10000
Methane	74-82-8	10000
Methylamine [Methanamine]	74-89-5	10000
3-Methyl-1-butene	563-45-1	10000
2-Methyl-1-butene	563-46-2	10000
Methyl ether [Methane, oxybis-]	115-10-6	10000
Methyl formate [Formic acid, methyl ester]	107-31-3	10000
2-Methyl propene [1-Propene, 2-methyl-]	115-11-7	10000
1,3-Pentadiene	504-60-9	10000
Pentane	109-66-0	10000
1-Pentene	109-67-1	10000
2-Pentene, (E)-	646-04-8	10000
2-Pentene, (Z)-	627-20-3	10000
Propadiene [1,2-Propadiene]	463-49-0	10000
Propane	74-98-6	10000
Propylene [1-Propene]	115-07-1	10000
Propyne [1-Propyne]	74-99-7	10000
Silane	7803-62-5	10000
Tetrafluoroethylene [Ethene, tetrafluoro-]	116-14-3	10000
Tetramethylsilane [Silane, tetramethyl-]	75-76-3	10000
Trichlorosilane [Silane, trichloro-]	1002-5-78-2	10000
Trifluorochloroethylene [Ethene, chlorotrifluoro-]	79-38-9	10000
Trimethylamine [Methanamine, N,N-dimethyl-]	75-50-3	10000
Vinylacetylene [1-Buten-3-yne]	689-97-4	10000
Vinylchloride [Ethene, chloro-]	75-01-4	10000
Vinylethylether [Ethene, ethoxy-]	109-92-2	10000
Vinylfluoride [Ethene, fluoro-]	75-02-5	10000
Vinylidenechloride [Ethene, 1,1-dichloro-]	75-35-4	10000
Vinylidene fluoride [Ethene, 1,1-difluoro-]	75-38-7	10000
Vinylmethylether [Ethene, methoxy-]	107-25-5	10000