

<b>ACID COMPOUNDS</b>	
<b>Parameter</b>	<b>Used In or In the Manufacture of:</b>
2-Chlorophenol,	(o-Chlorophenol; 2-Chloro-1-hydroxybenzene) Pesticides, dyes, disinfectant
4-Chloro-3-methyl-phenol	(P-Chloro M-Cresol) Glues, gums, paints, inks, textiles
4,6-Dinitro-O-Cresol,	(2-Methyl-4,6-dinitrophenol) Herbicide, insecticide
2,4-Dichlorophenol	Organic Synthesis, Herbicide
2,4-Dinitrophenol	Dyes, picric acid, picramic acid, lumber preservation, manufacture of photographic developer diaminophenol hydrochloride, explosives, reagent for potassium and ammonium ions.
2,4-Dimethylphenol	(Xylenol) Disinfectants, solvents, insecticides, fungicides, plasticizers, rubber chemicals, additive to lubricants and gasolines
2-Nitrophenol,	(o-Nitrophenol) Dyes, rubber chemicals, lumber preservatives, photographic chemicals, and fungicide agents.
4-Nitrophenol,	(o-Nitrophenol) Leather treatment.
Pentachlorophenol	(PCP) Fungicide, bactericide, algicide, wood preservative
Phenol	(Carbolic acid; Phenylic acid; benzophenol; hydroxybenzene) Phenolic resins, caprolactam, picric acid, dyes, biocide, general disinfectant
2,4,6-Trichlorophenol	Fungicide

<b>BASE / NEUTRAL COMPOUNDS</b>	
<b>Parameter</b>	<b>Used In or In the Manufacture of:</b>
Acenaphthene	(1,8 -dihydroacenaphthalene; ethylenenaphthalene) Dye intermediate, fungicide, plastics
Acenaphthylene	Component of crude oil
Anthracene	Dyes, wood preservatives, insecticides.
Benzidine	((1,1'-Biphenyl)-4,4'-diamine)) Manufacture of dyes (especially Congo red), stiffening agent in rubber compounding.
Benzo (a) Anthracene	(Benz[a]anthracene; 1,2-Benzanthracene) Universal product of combustion of organic matter
Benzo (a) Pyrene	(Benzo (alpha) Pyrene) Product of incomplete combustion Found in coal tar, in automobile exhaust fumes, tobacco smoke, and in charbroiled foods.
Benzo (b) fluoranthene	(Benz(e)acephenanthrylene)

<b>BASE / NEUTRAL COMPOUNDS (continued)</b>	
<b>Parameter</b>	<b>Used In or In the Manufacture of:</b>
Benzo (ghi) Perylene	Small amounts are used for scientific research.
Benzo (k) Fluoranthene	There is no commercial use of this compound
Bis (2-Chloroethoxy) Methane	(dichloroethylformal) Solvent
Bis (2-Chloroethyl) Ether	(Dichloromethyl ether) Intermediate for ion-exchange resins
Bis (2-Chloroisopropyl) Ether	(2,2'-oxybis[1-chloro-Propane]; bis(2-chloro-1-methylethyl) Ether; 2,2'-oxybis(1-chloropropane)) Textile, manufacturing of dyes, resins and pharmaceuticals.
Bis (2-Ethylhexyl) Phthalate	Used in vacuum pumps
4-Bromophenyl Phenyl Ether	(1-Bromo-4-phenoxybenzene) Formed during chlorination treatment of sewage and drinking water.
Butyl Benzyl Phthalate	Plasticizer for polyvinyl and cellulosic resins
2-Chloronaphthalene	(Beta-chloronaphthalene; Naphthalene,2-Chloro; Halowax; Monochloronaphthalenes) Chemical resistant gage fluids and instrument seals, heat exchange fluids, high boiling specialty solvents, color dispersions, crank case additives to dissolve sludge and gums, and ingredients in motor tune-up compounds
4-Chlorophenyl Phenyl Ether	(1-Chloro-4-phenoxybenzene) Dielectric fluid
Chrysene	(1,2-benzphenanthrene) organic synthesis
Dibenzo (a,h) Anthracene	(1,2:5,6-Dibenzanthracene) Research Chemical. No known use of this compound.
1,2-Dichlorobenzene	( <i>o</i> -dichlorobenzene) solvent for organic materials, dye manufacturing, degrease hides and wool, metal polish, heat transfer
1,3-Dichlorobenzene	( <i>m</i> -dichlorobenzene) fumigant, insecticide
1,4-Dichlorobenzene	( <i>p</i> -dichlorobenzene) insecticide, germicide, space odorant
3,3'-Dichlorobenzidine	Dyes and pigments
Diethyl Phthalate	(ethyl phthalate; DEP) plasticizer, wetting agent, plastics, fixative to perfumery, alcohol denaturant, plastic resins, rubber, solid rocket propellants, lacquers, plastics.
Dimethyl Phthalate	(1,2-benzenedicarboxylate dimethyl) Pesticide
Di-N-Butyl Phthalate	(1,2-Benzenedicarboxylic acid; dibutyl ester), Insect repellent
2,4-Dinitrotoluene	(DNT) dyes, explosives, organic synthesis
2,6-Dinitrotoluene	(2-methyl-1,3-dinitro-Benzene), Gelatinizing and waterproofing agent in explosives

<b>BASE / NEUTRAL COMPOUNDS (continued)</b>	
<b>Parameter</b>	<b>Used In or In the Manufacture of:</b>
Di-n-Octyl Phthalate	(1, 2-Benzenedicarboxylic acid; dioctyl ester), Plasticizer in plastics and rubber materials. Plasticizer for cellulose ester resins. Plasticizer for polystyrene resins. Plasticizer for vinyl resins.
1,2-Diphenylhydrazine	(Azobenzene; Hydrazine; 1,2-diphenyl), Antisludging additive to motor oil, evaluated as agent for insecticidal and insecticidal synergistic activity, desuckering agent for tobacco plants, reductant in reclamation of rubber, component of experimental organometallic polymers, use in photochromic resin compositions, in polymerization reactions.
Fluoranthene	(Benzo(k)fluoranthene), There is no commercial use of this compound.
Fluorene	(9H-Fluorene), In formation of polyradicals for resins, in resinous products, dyestuffs.
Hexachlorobenzene	(perchlorobenzene) fungicides
Hexachlorobutadiene	(1,1,2,3,4,4-hexachloro-1,3-butadiene; perchlorobuta-1,3-diene)
Hexachlorocyclopentadiene	(HEX) Pesticide
Hexachloroethane	(avlothane; carbon hexachloride; distokal; distopan; distopin; egitol; ethane hexachloride; ethylene hexachloride; falkitol; fasciolin; hexachloroethylene; 1,1,1,2,2,2-hexachloroethane; mottenhexe; NCI-C04604; perchloroethane; phenohep) Lubricating greases, Lubricating oils, Nonstructural caulking compounds and sealants, Other automotive chemicals, Other laundry aids, including ironing aids and dry cleaning
Indeno (1,2,3-cd) Pyrene	(1,10-(1,2-phenylene)pyrene; 1,10-(o-phenylene)pyrene) Compound is found in fossil fuels and occurs ubiquitously in products of incomplete combustion.
Isophorone	Herbicides for agriculture garden and health services use.
Naphthalene	(Naphthalin; naphthaline; tar camphor; white tar; albocarbon), primary ingredient of mothballs.
Nitrobenzene	(Nitrobenzol; oil of mirbane) Manufacture of insulating compounds and polishes.
N-Nitrosodimethylamine	(para n-Nitrosodimetilamina)
N-Nitrosodi-N-Propylamine	(1-Propanamine; n-Nitroso-n-propyl; di-n-Propylnitrosamine) Has been found as a contaminant in the substituted dinitrotrifluarin herbicides and has been detected in effluent from a textile plant.
N-Nitrosodiphenylamine	(N-nitroso-N-phenyl-Benzenamine), Rubber Processing

<b>BASE / NEUTRAL COMPOUNDS (continued)</b>	
<b>Parameter</b>	<b>Used In or In the Manufacture of:</b>
Phenanthrene	Dyes, Explosives; Biological Research; Pharmaceuticals.
Pyrene	Dyes, pesticides, pharmaceuticals, and plastics.
1,2,4-Trichlorobenzene	Degreasing agents, septic tank and drain cleaners, wood preservatives, and abrasive formulations.

<b>VOLATILE COMPOUNDS</b>	
<b>Parameter</b>	<b>Used In or In the Manufacture of:</b>
Acrolein	(2-propenal; acrylaldehyde; acraldehyde; acrylic aldehyde; allyl aldehyde; propenal; trans acrolein; acquinite; aqualin; aqualine; crolean; ethylene aldehyde; magnacide; magnacide H; NSC 8819; prop-2-en-1-al; 2-propene-1-one; slimicide; prop-2-enal) Agricultural chemicals
Acrylonitrile	(cyanoethylene; cyanoethene; vinyl cyanide; 2-propenenitrile) Used in the production of synthetic polymers.
Benzene	(Benzol) Industrial solvent and precursor in the production of drugs, plastics, gasoline, synthetic rubber, and dyes.
Bromoform	(Tribromomethane) Used for synthesis of pharmaceuticals; used in shipbuilding, aircraft and aerospace industries.
Carbon Tetrachloride	(Tetrachloromethane; Perchloromethane) Solvent for rubber cement; cleaning agent for machinery and electrical equipment.
Chlorobenzene	(benzene chloride; monochlorobenzene) Manufacturing of pesticides.
Chlorodibromomethane	(Dibromochloromethane) Inadvertent formation during chlorination treatment processes of water
Chloroethane	(Ethyl chloride) Production of tetraethyl lead (TEL), an anti-knock additive for gasoline.
2-Chloroethylvinyl Ether	(2-chloroethoxy ethane) manufacturing of cellulose ethers.
Chloroform	(trichloromethane) fluorocarbon for plastics, solvent, fumigant
Dichlorobromomethant	(Bromodichloromethane) Fire retardant
1,1-Dichloroethane	(ethylidene chloride) Extraction solvent fumigant
1,2-Dichloroethane	(Ethylene dichloride) Paint, varnish and finish removers; soaps & scouring compounds.
1,1-Dichloroethene	(1,1-Dichloroethylene; Vinylidene chloride) In adhesives; component of synthetic fibers.

<b>VOLATILE COMPOUNDS</b>	
<b>Parameter</b>	<b>Used In or In the Manufacture of:</b>
1,1-Dichloropropane	(Propylidene chloride)
cis-1,3-Dichloropropene	Used as an insecticide and fumigant.
trans-1,3-Dichloropropene	Soil Fumigant
Ethylbenzene	(phenylethane) Production of styrene, solvent
Bromomethane	(Methyl Bromids) Space fumigant
Chloromethane	(Methyl Chloride; Monochloromethane) Silicones, refrigerants, fluid for thermostatic equipment
Methylene Chloride (Dichloromethane)	(Methylene Dichloride) Paint removers, solvent degreasing, plastics processing, solvent extraction, solvent for cellulose acetate, aerosol propellant.
1,1,2,2-Tetrachloroethane	(Acetylene tetrachloride) Solvent, cleansing and degreasing metals, paint removers, varnishes, lacquers, photographic film, resins and waxes, extraction of oils and fats, alcohol denaturant, organic synthesis, insecticides, fumigant
Tetrachloroethylene	(Perchloroethylene) dry cleaning solvent, vapor-degreaser, solvent, drying agent for metals, heat-transfer medium, manufacture of fluorocarbons.
Toluene	(Methylbenzene; phenylethane) aviation gasoline and high-octane blending stock, benzene, phenol, and caprolactam, solvent for paints and coatings, gums, resins, most oils, rubber, vinyl organosols, explosives, toluenesulfonates (detergents)
1,2-Trans-Dichloroethylene	(Acetylene dichloride; dichloroacetylene) general solvent for organic materials, dye extraction, perfumes, lacquers, thermoplastics, organic synthesis.
1,1,1-Trichloroethane	(Methyl chloroform) Solvent for cleaning precision instruments, metal degreasing, pesticide, textile processing.
1,1,2-Trichloroethane	(Vinyl trichloride; $\beta$ -trichloroethane) solvent for fats, oils, waxes, resins
Trichloroethylene	Metal degreasing, extraction solvent for oils, fats, waxes; solvent dyeing; dry-cleaning; refrigerant and heat-exchange liquid; fumigant; cleaning and drying electronic parts; diluent in paints and adhesives; textile processing
Vinyl Chloride	(VC; chloroethene; chloroethylene) polyvinyl chloride and copolymers, adhesives for plastics.
bis(chloromethyl)ether	(Oxybis[chloro-methane]; Dichloromethyl ether) Monitoring indicator for Chloromethyl ether.

## VOLATILE COMPOUNDS

Parameter	Used In or In the Manufacture of:
Dichlorodifluoromethane	(Difluorodichloromethane; fluorocarbon-12) Refrigerant in air conditioner, plastics, blowing agent, low-temperature solvent, leak-detecting agent
Trichlorofluoromethane	(fluorotrichloromethane; fluorocarbon-11) solvent, fire extinguishers, blowing agent.