

➡§ 93000. Substances Identified As Toxic Air Contaminants.

Each substance identified in this section has been determined by the State Board to be a toxic air contaminant as defined in Health and Safety Code section 39655. If the State Board has found there to be a threshold exposure level below which no significant adverse health effects are anticipated from exposure to the identified substance, that level is specified as the threshold determination. If the Board has found there to be no threshold exposure level below which no significant adverse health effects are anticipated from exposure to the identified substance, a determination of "no threshold" is specified. If the Board has found that there is not sufficient available scientific evidence to support the identification of a threshold exposure level, the "Threshold" column specifies "None identified."

Substance	Threshold Determination
Benzene (C <sub>6</sub> H <sub>6</sub> )	None identified
Ethylene Dibromide (BrCH <sub>2</sub> CH <sub>2</sub> Br; 1,2-dibromoethane)	None identified
Ethylene Dichloride (ClCH <sub>2</sub> CH <sub>2</sub> Cl; 1,2-dichloroethane)	None identified
Hexavalent chromium (Cr (VI))	None identified
Asbestos [asbestiform varieties of serpentine (chrysotile), riebeckite (crocidolite), cummingtonite-grunerite (amosite), tremolite, actinolite, and anthophyllite]	None identified
Dibenzo-p-dioxins and Dibenzofurans chlorinated in the 2,3,7 and 8 positions and containing 4,5,6 or 7 chlorine atoms	None identified
Cadmium (metallic cadmium and cadmium compounds)	None identified
Carbon Tetrachloride (CCl <sub>4</sub> ; tetrachloromethane)	None identified
Ethylene Oxide (1,2-epoxyethane)	None identified
Methylene Chloride (CH <sub>2</sub> Cl <sub>2</sub> ; Dichloromethane)	None identified
Trichloroethylene (CCl <sub>2</sub> CHCl; Trichloroethene)	None identified
Chloroform (CHCl <sub>3</sub> )	None identified
Vinyl chloride (C <sub>2</sub> H <sub>3</sub> Cl; Chloroethylene)	None identified
Inorganic Arsenic	None identified
Nickel (metallic nickel and inorganic nickel compounds)	None identified
Perchloroethylene (C <sub>2</sub> Cl <sub>4</sub> ; Tetrachloroethylene)	None identified
Formaldehyde (HCHO)	None identified
1,3-Butadiene (C <sub>4</sub> H <sub>6</sub> )	None identified
Inorganic Lead	None identified
Particulate Emissions from Diesel-Fueled Engines	None identified
Environmental Tobacco Smoke	None identified

➡§ 93001. Hazardous Air Pollutants Identified as Toxic Air Contaminants.

Each substance listed in this section has been identified as a hazardous air pollutant pursuant to subsection (b) of Section 112 of the federal Clean Air Act (42 U.S.C. Section 7412(b)) and has been designated by the State Board to be a toxic air contaminant pursuant to Health and Safety Code Section 39657.

Substance

Acetaldehyde  
Acetamide  
Acetonitrile  
Acetophenone  
2-Acetylaminofluorene  
Acrolein  
Acrylamide  
Acrylic acid  
Acrylonitrile  
Allyl chloride  
4-Aminobiphenyl  
Aniline  
o-Anisidine  
Asbestos  
Benzene (including benzene from gasoline)  
Benzidine  
Benzotrichloride  
Benzyl chloride  
Biphenyl  
Bis (2-ethylhexyl) phthalate (DEHP)  
Bis (chloromethyl) ether  
Bromoform  
1,3-Butadiene  
Calcium cyanamide  
Caprolactam  
Captan  
Carbaryl  
Carbon disulfide  
Carbon tetrachloride  
Carbonyl sulfide  
Catechol  
Chloramben  
Chlordane  
Chlorine  
Chloroacetic acid  
2-Chloroacetophenone  
Chlorobenzene  
Chlorobenzilate  
Chloroform

Chloromethyl methyl ether  
Chloroprene  
Cresols/Cresylic acid (isomers and mixture)  
o-Cresol  
m-Cresol  
p-Cresol  
Cumene  
2,4-D, salts and esters  
DDE  
Diazomethane  
Dibenzofurans  
1,2-Dibromo-3-chloropropane  
Dibutylphthalate  
1,4-Dichlorobenzene (p)  
3,3-Dichlorobenzidene  
Dichloroethyl ether (Bis (2-chloroethyl) ether)  
1,3-Dichloropropene  
Dichlorvos  
Diethanolamine  
N.N-Diethyl aniline (N.N-Dimethylaniline)  
Diethyl sulfate  
3,3-Dimethoxybenzidine  
Dimethyl aminoazobenzene  
3,3-Dimethyl benzidine  
Dimethyl carbamoyl chloride  
Dimethyl formamide  
1,1-Dimethyl hydrazine  
Dimethyl phthalate  
Dimethyl sulfate  
4,6-Dinitro-o-cresol, and salts  
2,4-Dinitrophenol  
2,4-Dinitrotoluene  
1,4-Dioxane (1,4-Diethyleneoxide)  
1,2-Diphenylhydrazine  
Epichlorohydrin (1-Chloro-2,3-epoxypropane)  
1,2-Epoxybutane  
Ethyl acrylate  
Ethyl benzene  
Ethyl carbamate (Urethane)  
Ethyl chloride (Chloroethane)  
Ethylene dibromide (Dibromoethane)  
Ethylene dichloride (1,2-Dichloroethane)  
Ethylene glycol  
Ethylene imine (Aziridine)  
Ethylene oxide  
Ethylene thiourea  
Ethylidene dichloride (1,1-Dichloroethane)  
Formaldehyde  
Heptachlor

Hexachlorobenzene  
Hexachlorobutadiene  
Hexachlorocyclopentadiene  
Hexachloroethane  
Hexamethylene-1,6-diisocyanate  
Hexamethylphosphoramide  
Hexane  
Hydrazine  
Hydrochloric acid  
Hydrogen fluoride (Hydrofluoric acid)  
Hydroquinone  
Isophorone  
Lindane (all isomers)  
Maleic anhydride  
Methanol  
Methoxychlor  
Methyl bromide (Bromomethane)  
Methyl chloride (Chloromethane)  
Methyl chloroform (1,1,1-Trichloroethane)  
Methyl ethyl ketone (2-Butanone)  
Methyl hydrazine  
Methyl iodide (Iodomethane)  
Methyl isobutyl ketone (Hexone)  
Methyl isocyanate  
Methyl methacrylate  
Methyl tert butyl ether  
4,4-Methylene bis(2-chloroaniline)  
Methylene chloride (Dichloromethane)  
Methylene diphenyl diisocyanate (MDI)  
4,4-Methylenedianiline  
Naphthalene  
Nitrobenzene  
4-Nitrobiphenyl  
4-Nitrophenol  
2-Nitropropane  
N-Nitroso-N-methylurea  
N-Nitrosodimethylamine  
N-Nitrosomorpholine  
Parathion  
Pentachloronitrobenzene (Quintobenzene)  
Pentachlorophenol  
Phenol  
p-Phenylenediamine  
Phosgene  
Phosphine  
Phosphorus  
Phthalic anhydride  
Polychlorinated biphenyls (Aroclors)  
1,3-Propane sultone

beta-Propiolactone  
Propionaldehyde  
Propoxur (Baygon)  
Propylene dichloride (1,2-Dichloropropane)  
Propylene oxide  
1,2-Propylenimine (2-Methylaziridine)  
Quinoline  
Quinone  
Styrene  
Styrene oxide  
2,3,7,8-Tetrachlorodibenzo-p-dioxin  
1,1,2,2-Tetrachloroethane  
Tetrachloroethylene (Perchloroethylene)  
Titanium tetrachloride  
Toluene  
2,4-Toluene diamine  
2,4-Toluene diisocyanate  
o-Toluidine  
Toxaphene (chlorinated camphene)  
1,2,4-Trichlorobenzene  
1,1,2-Trichloroethane  
Trichloroethylene  
2,4,5-Trichlorophenol  
2,4,6-Trichlorophenol  
Triethylamine  
Trifluralin  
2,2,4-Trimethylpentane  
Vinyl acetate  
Vinyl bromide  
Vinyl chloride  
Vinylidene chloride (1,1-Dichloroethylene)  
Xylenes (isomers and mixture)  
o-Xylenes  
m-Xylenes  
p-Xylenes  
Antimony Compounds  
Arsenic Compounds (inorganic including arsine)  
Beryllium Compounds  
Cadmium Compounds  
Chromium Compounds  
Cobalt Compounds  
Coke Oven Emissions  
Cyanide Compounds [\[FN1\]](#)  
Glycol ethers [\[FN2\]](#)  
Lead Compounds  
Manganese Compounds  
Mercury Compounds  
Fine mineral fibers [\[FN3\]](#)  
Nickel Compounds

Polycyclic Organic Matter [\[FN4\]](#)

Radionuclides (including radon) [\[FN5\]](#)

Selenium Compounds

Note: For all listing above which contain the word "compounds" and for glycol ethers, the following applies: Unless otherwise specified, these listings are defined as including any unique chemical substance that contains the named chemical (i.e., antimony, arsenic, etc) as part of that chemical's infrastructure.

[\[FN1\]](#)  $X \gg \text{CN}$  where  $X = \text{HN}$  or any other group where a formal dissociation may occur. For example KCN or  $\text{Ca}(\text{CN})_2$

[\[FN2\]](#) includes mono- and di-ethers of ethylene glycol, diethylene glycol, and triethylene glycol  $(\text{R}(\text{OCH}_2\text{CH}_2)_n\text{-OR})$  where

$[\text{FNn}] = 1, 2 \text{ or } 3$

$[\text{FNR}] = \text{alkyl or aryl groups}$

$[\text{FNR}] \gg = \text{R, H, or groups which, when removed, yield glycol ethers with the structure; } \text{R}(\text{OCH}_2\text{CH}_2)_n\text{-OH. Polymers are excluded from the glycol category.}$

[\[FN3\]](#) includes mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers (or other mineral derived fibers) of average diameter 1 micrometer or less.

[\[FN4\]](#) includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 degrees C

[\[FN5\]](#) a type of atom which spontaneously undergoes radioactive decay.