

NIOSH CARCINOGEN LIST

In addition to the known OSHA 13 carcinogens listed in the Chemical Hygiene Plan, the following is a list of substances NIOSH considers to be potential occupational carcinogens. Refer to the NIOSH website link for a full reference of each chemical's known or suspected toxicity: [CDC - NIOSH Pocket Guide to Chemical Hazards \(NPG\) Appendix A](#).

A number of the carcinogen classifications deal with groups of substances: aniline and homologs, chromates, dinitrotoluenes, arsenic and inorganic arsenic compounds, beryllium and beryllium compounds, cadmium compounds, nickel compounds, and crystalline forms of silica. There are also substances of variable or unclear chemical makeup that are considered carcinogens, coal tar pitch volatiles, coke oven emissions, diesel exhaust and environmental tobacco smoke.

Some of the potential carcinogens listed in this index may be re-evaluated by NIOSH as new data become available and the NIOSH recommendations on these carcinogens either as to their status as a potential occupational carcinogen or as to the appropriate recommended exposure limit may change.

Acetaldehyde
2-Acetylaminofluorene
Acrylamide
Acrylonitrile
Aldrin
4-Aminodiphenyl
Amitrole
Aniline and homologs
o-Anisidine
p-Anisidine
Arsenic and inorganic arsenic compounds
Arsine
Asbestos
Asphalt fumes

Benzene
Benzidine
Benzidine-based dyes
Beryllium
Butadiene

tert-Butyl **C**hromate; class, chromium hexavalent
Cadmium dust and fume
Captafol
Captan
Carbon black (exceeding 0.1% PAHs)



T A M P A

Suspect/Known Carcinogens
Effective August 2010

Carbon tetrachloride
Chlordane
Chlorinated camphene
Chlorodiphenyl (42% chlorine); class polychlorinated biphenyls
Chlorodiphenyl (54% chlorine); class polychlorinated biphenyls
Chloroform
Chloromethyl methyl ether
bis(Chloromethyl) ether
B-Chloroprene
Chromium, hexavalent [Cr(VI)]
Chromyl chloride; class, chromium hexavalent
Chrysene
Coal tar pitch volatiles;
Coal tar products or Coke Ovn emissions

DDT (dichlorodiphenyltrichloroethane)
Di-2-ethylhexyl phthalate (DEHP)
2,4-Diaminoanisole
o-Dianisidine-based dyes
1,2-Dibromo-3-chloropropane (DBCP)
Dichloroacetylene
p-Dichlorobenzene
3,3'-Dichlorobenzidine
Dichloroethyl ether
1,3-Dichloropropene
Dieldrin
Diesel Exhaust
Diglycidyl ether (DGE); class, glycidyl ethers
4-Dimethylaminoazobenzene
Dimethyl carbomoyl chloride
1,1-Dimethylhydrazine; class, hydrazines
Dimethyl sulfate
Dinitrotoluene
Dioxane

Environmental tobacco smoke
Epichlorohydrin
Ethyl acrylate
Ethylene dibromide
Ethylene dichloride
Ethylene oxide
Ethyleneimine
Ethylene thiourea

Formaldehyde

Gallium arsenide



T A M P A

Suspect/Known Carcinogens
Effective August 2010

Gasoline

Heptachlor

Hexachlorobutadiene

Hexachloroethane

Hexamethyl phosphoric triamide (HMPA)

Hydrazine

Kepone

Malonaldehyde

Methoxychlor

Methyl bromide; class, monohalomethanes

Methyl chloride

Methylhydrazine

Methyl iodide; class, monohalomethanes

Methyl hydrazine; class, hydrazines

4,4'-Methylenebis(2-chloroaniline) (MBOCA)

Methylene chloride

4,4-Methylenedianiline (MDA)

a-**N**aphylamine

B-Naphylamine

Nickel, metal, soluble, insoluble, and inorganic; class, nickel, inorganic

Nickel carbonyl

Nickel sulfide roasting

4-Nitrobiphenyl

p-Nitrochlorobenzene

2-Nitronaphthalene

2-Nitropropane

N-Nitrosodimethylamine

Pentachloroethane; class, chloroethanes

N-Phenyl-*b*-naphthylamine; class, *b*-naphthalene

Phenyl glycidyl ether; class, glycidyl ethers

Phenylhydrazine; class, hydrazines

Propane Sultone

B-Propiolactone

Propylene dichloride

Propylene imine

Propylene oxide

Radon

Rosin core solder, pyrolysis products (containing formaldehyde)

Silica, crystalline cristobalite
Silica, crystalline quartz
Silica, crystalline tripoli
Silica, crystalline tridymite
silica, fused
Soapstone, total dust silicates

Tremolite silicates
2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD) (dioxin)
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
Titanium dioxide
o-Tolidine-based dyes
o-Tolidine
Toluene diisocyanate (TDI)
Toluene diamine (TDA)
o-Toluidine
p-Toluidine
1,1,2-Trichloroethane; class, chloroethanes
Trichloroethylene
1,2,3-Trichloropropane

Uranium, insoluble compounds Uranium, soluble compounds

Vinyl bromide; class, vinyl halides
Vinyl chloride
Vinyl cyclohexene dioxide
Vinylidene chloride (1,1-dichloroethylene); class, vinyl halides)

Welding fumes, total particulates
Wood dust

Zinc chromate; class, chromium hexavalent

Source: [TOXNET](#)