

Health Hazard Chart

The following is a target organ categorization of effects that may occur, including examples of signs and symptoms and chemicals that have been found to cause such effects. These examples are presented to illustrate the range and diversity of effects and hazards found in the workplace, and the broad scope employers must consider in this area, but are not intended to be all-inclusive.

Chemical Type	Target	Signs & Symptoms	Examples
Nephrotoxins	Chemicals which produce kidney damage	Edema, proteinuria	Halogenated hydrocarbons, Uranium
Hepatotoxins	Chemicals which produce liver damage	Jaundice, liver enlargement	Carbon tetrachloride, Nitrosamines
Neurotoxins	Chemicals which produce their primary toxic effects on the nervous system	Narcosis, behavioral changes, decrease in motor functions	Mercury, Carbon disulfide
Agents which act on the blood or hemato-poietic system	Decreases hemoglobin function, deprives the body tissues of oxygen	Cyanosis, loss of consciousness	Carbon monoxide, Cyanides
Agents which damage the lung	Chemicals which irritate or damage pulmonary tissue	Cough, tightness in chest, shortness of breath	Silica, Asbestos
Reproductive toxins	Chemicals which affect the reproductive capabilities including chromosomal damage (mutations) and effects on fetuses (teratogenesis)	Birth defects, sterility	Lead, 1,2-Dibromo-3-Chloropropane
Cutaneous hazards	Chemicals which affect the dermal layer of the body	Defatting of the skin, rashes, irritation	Ketones, chlorinated compounds
Eye hazards	Chemicals which affect the eye or visual capacity	Conjunctivitis, corneal damage	Organic solvents, acids