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# 1,3-Dichloropropene

National Cancer Institute

## Source

National Cancer Institute. *1,3-Dichloropropene*. NCI Thesaurus. Code C44296.

A synthetic, flammable, colorless liquid that is relatively insoluble in water and soluble in ether, acetone, toluene and benzene. It is used as an intermediate in the manufacture of 3,3-dichloro-1-propene and other pesticides. When heated to decomposition, 1,3-dichloropropene produces toxic fumes of hydrochloric acid and other chlorinated compounds. The primary routes of exposure are inhalation of vapors, dermal contact, and ingestion of contaminated foods and drinking water. Acute exposure can cause irritation of the eyes, skin and mucous membranes. Inhale a low concentration of vapors can result in irritation of the respiratory tract and central nervous system depression. Breathing higher vapor concentrations of this substance may cause coughing, breathing difficulties, substernal pain and extreme respiratory distress. It is reasonably anticipated to be a human carcinogen. (NCI05)