

[Open Peer Review on Qeios](#)

Epichlorohydrin

National Cancer Institute

Source

National Cancer Institute. *Epichlorohydrin*. NCI Thesaurus. Code C44381.

A volatile and flammable, clear, colorless, liquid, chlorinated cyclic ether with an irritating, chloroform-like odor that emits toxic fumes of hydrochloric acid and other chlorinated compounds when heated to decomposition. Epichlorohydrin is used in the manufacture of epoxy resins, synthetic glycerin and elastomers. Exposure to epichlorohydrin irritates the eyes, skin and respiratory tract, and can cause chemical pneumonitis, pulmonary edema, and renal lesions. This substance also affects the blood. Epichlorohydrin is reasonably anticipated to be a human carcinogen and may be associated with an increased risk of developing respiratory cancer. (NCI05)