

# 1,2-Dichloroethane

## Product Stewardship Summary

Chemical Name:	1,2-Dichloroethane
Synonyms:	Ethylene dichloride (EDC)
CAS Number:	107-06-2
EC (EINECS) Number:	203-458-1
Revision number:	1-2026

- **Chemical identification and uses:** 1,2-Dichloroethane, also called ethylene dichloride, is a clear, colorless, oily, synthetic, flammable liquid chlorinated hydrocarbon with a pleasant chloroform-like smell that emits toxic fumes of hydrochloric acid when heated to decomposition. The most common use of 1,2-dichloroethane is in the production of vinyl chloride which is used to make a variety of plastic and vinyl products including polyvinyl chloride (PVC) pipes, furniture and automobile upholstery, wall coverings, housewares, and automobile parts. It is also used to as a solvent and is added to leaded gasoline to remove lead.
- **Potential exposures:** Exposure to 1,2-Dichloroethane can occur in industrial/manufacturing facilities and/or during manufacturing of downstream products where the chemical solution is handled. Workers risk exposure primarily through inhalation, skin and eye contact. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** It is non-genotoxic but can be toxic if swallowed or if inhaled. It is also a skin and eye irritant. 1,2-Dichloroethane is highly flammable and proper storage and care during usage should be taken. It is also considered as carcinogenic material. One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information. It is not considered a carcinogen by OSHA, NTP or IARC.
- **Environmental Health hazards:** it is not toxic to aquatic life but is readily biodegradable. Proper environmental control should be taken during usage.
- Please contact us at [PSCustomerCare@Solstice.com](mailto:PSCustomerCare@Solstice.com) for more information. Additional information may also be found at the following links:

[EPA – 1,2-Dichloroethane](#)

[PubChem – 1,2-Dichloroethane](#)

*This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.*