

2,2,2-Trifluoroethanol

Product Stewardship Summary

Chemical Name:	2,2,2-Trifluoroethanol
Synonyms:	TFE
CAS Number:	75-89-8
EC (EINECS) Number:	200-913-6
Revision number:	1-2026

- **Chemical identification and uses:** 2,2,2-trifluoroethanol is a halocarbon. It is flammable liquid and vapor. Used in organic synthesis (anesthetics, pharmaceuticals, and agrochemicals), in polymerizations, as a cleaning solvent, , as an eluent in HPLC separations, and as an alternative to CFCs. It is mainly used in paints and coatings.
- **Potential exposures:** Exposure to 2,2,2-trifluoroethanol can occur in industrial/manufacturing facilities and/or during consumer use 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 irritant and corrosive to eyes. It is considered to cause reproductive or developmental harm based on animal studies. A harm could be toxicity to the reproductive system, including defects in the progeny and/or injury to male or female reproductive function. 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 not readily biodegradable and should not be released into environment.
- Please contact us at PSCustomerCare@Solstice.com for more information. Additional information may also be found at the following links:

[EPA – 2,2,2-Trifluoroethanol](#)

[PubChem-- 2,2,2-Trifluoroethanol](#)

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.