

Solstice® zd (R-1233zd (E))

Product Stewardship Summary

Chemical Name:	trans-1-Chloro-3,3,3-trifluoropropene
Synonyms:	R-1233zd (E), HFO-1233zd (E)
CAS Number:	102687-65-0
EC (EINECS) Number:	700-486-0
Revision number:	1-2026

- **Chemical identification and uses:** 1233zd (E) appears as a colorless clear liquid with slight odor. 1233zd (E) drate is used in a wide variety of foam and household consumer products
- **Potential exposures:** Exposure to 1233zd (E) is expected to be low and can occur in industrial/manufacturing facilities from leakage due to cracks in storage containers and and during usage of consumer/household products with 1233zd (E). 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:** HFO-1234ze is practically non-toxic. Short-term exposures upto 10% have not induced cardiac sensitization. It is not reproductive or developmental toxic chemical. Based on series of mutagenicity and genomic studies, the cancer risk for HFO-1233zd is low. One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information.
- **Environmental Health hazards:** It is unlikely to impact the aquatic environment because of its high volatility and low toxicity to aquatic organisms. IT is not likely to accumulate in human bodies. This chemical was reviewed by The U.S. EPA under Significant new alternative policy (SNAP) program as a substitute for ozone depleting material.
- Please contact us at PSCustomerCare@Solstice.com for more information. Additional information may also be found at the following links:

HFO-1233zd (E) : [Pubchem](#)

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.