



MATERIAL SAFETY DATA SHEET

IDENTITY: CIS & TRANS 2,6-BIS(TRIFLUOROMETHYL)1,1,1,7,7,7-HEXAFLUORO-3-HEPTENE-2,6-DIOL (FOR RESEARCH USE ONLY)
(SYNONYM: PROPENE DIOL)

SECTION I: MANUFACTURER

HALOCARBON PRODUCTS CORPORATION Emergency Number: (803) 278-3504
P.O. Box 661 Customer Service & Sales: (201) 262-8899
River Edge, N.J. 07661
Prepared by: MSDS COORDINATOR

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

	CAS	OSHA	ACGIH	Other	
Hazardous Components	No.	PEL	TLV	Limits	
trans-2,6-Bis(trifluoromethyl) 1,1,1,7,7,7-hexafluoro-3-heptene-2,6-diol	16202-99-6	None	None	None	None
cis-2,6-Bis(trifluoromethyl) 1,1,1,7,7,7-hexafluoro-3-heptene-2,6-diol (2-8%)	16202-98-5	None	None	None	None

OSHA HAZARD RATING:

This product contains the following toxic chemical(s) subject to Section 313 title III reporting requirements (40 CFR Part 372):

None

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point :176-178C (trans isomer) Vapor Pressure:Not Available
Melting Point :136-138C (cis isomer) Vapor Density (Air=1): >1
Specific Gravity(H2O=1):Not Available Solubility in Water: Insoluble

Appearance and Odor: Trans isomer is a pale yellow liquid. Cis isomer is a white solid and is insoluble in trans isomer

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method: Not Available Autoignition Temp: Not Determined
Flammability Limits in Air - LEL: Not Available UEL: Not Available

Extinguishing Media: Carbon dioxide, regular dry chemical. Use methods appropriate for surroundings.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin or eyes.

Unusual Fire and Explosion Hazards: Thermal decomposition products may be corrosive and toxic.

Continued

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SECTION V - REACTIVITY DATA

Unstable Conditions to Avoid: Protect from physical damage and heat.
Stable

Incompatibility (Materials to Avoid): Strong acids, strong bases, oxidizing agents, alkali metals, aluminum, zinc, alkaline earth metals.

Hazardous Combustion or Decomposition Products: Includes toxic fumes of carbon dioxide, carbon monoxide, hydrogen fluoride.

Hazardous Polymerization May Occur Will Not Occur
Conditions To Avoid: N/A

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SECTION VI - HEALTH HAZARD DATA

To the best of our knowledge no information is available regarding the health hazards and toxicological properties of this product. Material may be destructive to tissue of the mucous membrane and upper respiratory tract. Acute exposure may cause nose, throat and lung irritation. Exposure to eyes in the case of other fluorinated alcohols such as HFIP has been known to cause blindness and eye corrosion with corneal and conjunctival ulceration.

Primary routes of entry: Inhalation Skin Eyes Oral

Carcinogenicity listing: NTP IARC OSHA
 Other:

Exposure Limits/Toxicity: See also Section II

First Aid

Inhalation: Remove to fresh air and give artificial respiration if necessary. Seek immediate medical attention.

Skin: Wash affected area immediately for 15 minutes. Remove contaminated clothing and shoes. Seek medical help if needed.

Eye: Flush eyes with plenty of water for at least 15 minutes. Get immediate medical help.

Oral: If swallowed get medical attention.

Medical Conditions Generally Aggravated by Exposure: No information available.

Other Health Hazards: No information available.

SECTION VII - PROTECTION INFORMATION

Respiratory: Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Self-contained breathing apparatus for emergency use.

Ventilation: Provide local exhaust or process enclosure ventilation system.

Eye Protection: Safety glasses or goggles and a face shield.

Gloves: Wear appropriate chemical resistant gloves.

SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill, Leak, or Release: Wear self-contained breathing apparatus with appropriate shoes and gloves. If spilled as a solution in isopropanol, evacuate area; absorb on vermiculite or sand, pick up and place in appropriate container. Hold for disposal.

Waste Disposal: Dispose in accordance with all federal, state and local regulations.

SECTION IX - OTHER INFORMATION

U.S.(49 CFR): Proper Shipping Name: Corrosive liquids, N.O.S.
2,6-Bis(trifluoromethyl)1,1,1,7,7,7-hexafluoro-
3-heptene-2,6-diol

Hazard Class: 8 UN/NA Number: 1760
Packing Group: I

IATA: Proper Shipping Name: Corrosive liquids, N.O.S.
2,6-Bis(trifluoromethyl)1,1,1,7,7,7-hexafluoro-
3-heptene-2,6-diol

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IMDG: Proper Shipping Name: Corrosive liquids, N.O.S.
2,6-Bis(trifluoromethyl)1,1,1,7,7,7-hexafluoro-
3-heptene-2,6-diol

Hazard Class: 8 UN/NA Number: 1760
Packing Group: I

Other Information:

MARCH 23, 2006