

MATERIAL SAFETY DATA SHEET

IDENTITY: 2,2,2-TRIFLUOROETHYL-P-TOLUENESULFONATE

SECTION I: MANUFACTURER

HALOCARBON PRODUCTS CORPORATION
887 Kinderkamack Road
River Edge, N.J. 07661

Emergency Number: (803) 278 3504
Customer Service & Sales: (201) 262 8899

Prepared by: MSDS Coordinator

SECTION II: CHEMICAL IDENTITY

Components	CAS No.	OSHA PEL	ACGIH TLV	Other Limits
2,2,2-Trifluoroethyl-p-toluenesulfonate	433-06-7	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 : 88-91C @ 0.1 mmHg
Melting Point : 36-38C
Specific Gravity(H₂O=1): Not available

Vapor Pressure: Not available
Vapor Density(Air=1): >1
Solubility in Water : Insoluble

Appearance and Odor: White to off-white crystals

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method: 112C, closed cup
Flammability Limits in Air - LEL: Not available

Autoignition Temp: Not determined
UEL: Not available

Extinguishing Media: Water spray, carbon dioxide, regular dry chemical or appropriate foam. 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.

SECTION V - REACTIVITY DATA

Unstable Conditions to Avoid:
Stable

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Combustion or Decomposition Products: Toxic fumes of carbon dioxide, carbon monoxide, hydrogen fluoride and sulfur oxides.

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

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SECTION VI - HEALTH HAZARD DATA

May be harmful if inhaled. May be harmful if swallowed. May be harmful if absorbed through skin. Material will cause skin irritation. Material is irritating to mucous membrane and upper respiratory tract. To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.

Primary routes of entry: [X] Inhalation [X] Skin [] Eyes [] Oral

Chronic Effects of overexposure: Unknown

Carcinogenicity listing: [No] NTP [No] IARC [No] OSHA
[No] Other

First Aid

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

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: Wash out mouth with water provided person is conscious. Get medical attention.

Medical Conditions Generally Aggravated by Exposure: No information available.

Other Health Hazards: No information available.

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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: Mechanical exhaust required. Ensure compliance with applicable exposure limits.

Eye and Face: Safety glasses or goggles.

Gloves: Wear appropriate chemical resistant gloves.

Other equipment: Safety shower and eye bath.

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SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill, Leak, or Release: Wear self-contained breathing apparatus, impervious gloves and heavy rubber boots. Sweep up material and keep in closed container. Avoid raising dust. Ventilate area and wash spill site after material has been picked up.

Waste Disposal: Contact licensed professional waste disposal service. Dissolve or mix material with combustible solvent. Burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local regulations.

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SECTION IX - OTHER INFORMATION

1. Hazardous Materials/Dangerous Good Shipping Regulations

U.S. (49 CFR): Proper Shipping Name: Non-Hazardous Material

IATA: Proper Shipping Name: Non-Dangerous Goods

IMDG: Proper Shipping Name: Non-Dangerous Goods

2. Other Information: HMIS Labeling (?)

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September 1, 2006