



MATERIAL SAFETY DATA SHEET

IDENTITY: 3-BROMO-1,1,1-TRIFLUOROACETONE

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

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV	Other Limits
3-Bromo-1,1,1-trifluoroacetone	431-35-6	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 : 86-87C Vapor Pressure: Not available
Melting Point : Not available Vapor Density(Air=1): >1
Specific Gravity(H2O=1): 1.82

Appearance and Odor: Clear liquid colorless to pale yellow. Material is a lachrymator.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method: 5 C (Closed cup) Autoignition Temp: Not determined
Flammability Limits in Air - LEL: Not determined UEL: Not determined

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: Material is flammable. Thermal decomposition products are corrosive and toxic. Material is corrosive and is a severe lachrymator.

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SECTION V - REACTIVITY DATA

Unstable Conditions to Avoid: Material is flammable. Keep away
Stable from sources of ignition.

Incompatibility (Materials to Avoid): Strong oxidizing agents, strong bases.

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

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

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SECTION VI - HEALTH HAZARD DATA

Harmful if inhaled, swallowed or absorbed through skin. High concentrations are extremely destructive to tissues of mucous membrane and upper respiratory tract, eyes and skin. A related compound hexafluoroacetone is known to be a reproductive hazard. Symptoms of exposure may include coughing, burning sensation, shortness of breath, headache, nausea and vomiting. To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.

Primary routes of entry: Inhalation Skin Eyes Oral

Chronic Effects of overexposure: Unknown

Carcinogenicity listing: NTP IARC OSHA
 Other:

First Aid

Inhalation: Remove to fresh air and give artificial respiration if necessary. If breathing is difficult give oxygen. 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. Consult physician.

Oral: If swallowed wash out mouth with water provided person is conscious. Seek 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: Do not breathe vapors. Use a respirator or exhaust hood.
Self-contained breathing apparatus for emergency use.

Ventilation: Provide explosion proof mechanical exhaust system. Ensure
compliance with applicable exposure limits.

Eye and Face: Safety glasses or goggles and face shield. This material is a
lachrymator.

Gloves: Wear appropriate chemical resistant gloves.

Other equipment: Keep container closed and away from heat and open flame.
Use in chemical fume hood. Have safety shower and eye bath available. Use
nonsparking tools only.

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SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill, Leak, or Release: Evacuate area. Shut off all sources of ignition.
Use nonsparking tools. Wear self-contained breathing apparatus, rubber
boots and heavy chemical resistant gloves. Cover with dry lime or soda ash
and place in closed container for disposal. Ventilate area and wash spill
site after material is picked up.

Waste Disposal: Burn in a chemical incinerator equipped with an afterburner
and scrubber. Exert care in igniting since this material is highly
flammable. Observe all federal, state and local regulations.

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SECTION IX - OTHER INFORMATION

DOT Information - Proper Shipping Name: Flammable liquids, corrosive, N.O.S.
(3-Bromo-1,1,1-trifluoroacetone)
(Domestic Only) Hazard Class: 3/8 UN/NA Number: 2924
Packing Group: II

IATA - Proper Shipping Name: Flammable liquid, Corrosive, N.O.S.
(3-Bromo-1,1,1-trifluoroacetone)
Hazard Class: 3/8 UN/NA Number: 2924
Packing Group: II

IMDG - Proper Shipping Name: Flammable liquid, Corrosive, N.O.S.
(3-Bromo-1,1,1-trifluoroacetone)
Hazard Class: 3/8 UN/NA Number: 2924
Packing Group: II

Other Information: HMIS Labeling: H 3; F 4; R 0; PX