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MSDS: BROMOFORM

CHEMICAL DATA:

Synonyms: Bromoform, Tribromomethane
CAS NO: 75-25-2
Chemical family: Brominated alkanes
Formula: CHBr_3
Molecular weight: 252.75

INGREDIENTS:

Bromoform 99.0%

PHYSICAL DATA:

Appearance: Colorless Liquid
Odor: N/A
Melting point: 8.3°C
Boiling point: $150^\circ \text{C} - 151^\circ \text{C}$
Vapor Pressure: 5 MM @ 20°C
Vapor Density: 8.7
Solubility in water: N/A
Specific gravity: 2.894
Evaporation Rate: N/A
%Volatile by Volume: N/A

FIRE FIGHTING MEASURES:

Flash Point ($^\circ\text{F}$): None
Flammable Limits: N/A
Extinguishing Media: Noncombustible. Use extinguishing media appropriate to surrounding fire conditions.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual fire and explosion hazards: Emits toxic fumes under fire conditions.

HEALTH HAZARD DATA:

Effects of Overexposure:

ACUTE: Harmful if swallowed, inhaled, or absorbed through skin. Material is irritating to mucous membranes and upper respiratory tract. Causes eye and skin irritation. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. May cause nervous system disturbances.

CHRONIC: Carcinogen. Damage to liver. Damage to the kidneys. Target organs, liver, nerves and kidneys.

Carcinogenicity: May cause cancer.

First aid procedures:

Eye contact: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes by separating the eyelids with fingers.

Skin contact: In case of contact, immediately wash with copious amounts of water for at least 15 minutes.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a Physician.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Other: Remove and discard contaminated clothing and shoes.

ACCIDENTAL RELEASE MEASURES:

Steps to be taken if material is released or spilled:

Evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Waste disposal method: The material should be ignited in the presence of sodium carbonate and slaked lime (calcium hydroxide). The substance should be mixed with vermiculite and then with the dry caustics, wrapped in paper and burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State, and local laws.

SPECIAL PRECAUTIONS/HANDLING AND STORAGE:

HMIS CODE:

HEALTH: N/A

FIRE: N/A

REACTIVITY: N/A

HANDLING AND STORAGE: Store in tightly closed containers in a cool, dark, well ventilated place.

OTHER PRECAUTIONS: Incompatible with aluminum, magnesium, and their alloys.

SPECIAL PROTECTION INFORMATION:

VENTILATION: General and local exhaust to basic scrubber.

PROTECTIVE GLOVES: Chemical resistant gloves.

EYE PROTECTION: Safety goggles.

RESPIRATORY PROTECTION: Wear appropriate NIOSH/MSHA- approved respirator.

OTHER PROTECTIVE EQUIPMENT: Safety shower and eye bath. Use only in a chemical fume hood.

STABILITY AND REACTIVITY:

STABILITY: Stable

CONDITIONS TO AVOID: High heat, air and light.

INCOMPATIBILITY (MATERIALS TO AVOID): Bases, Alkali Metals, Aluminum, and Acetone.
Sensitive to Light.

HAZARDOUS DECOMPOSITION PRODUCTS OR BY PRODUCTS: Toxic Fumes of Hydrogen Bromide Gas,
Carbon Monoxide, and Carbon Dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID:N/A

REGULATORY INFORMATION:

DOT PROPER SHIPPING NAME: BROMOFORM

DOT CLASS: 6.1 Poison

DOT NUMBER: UN2515

DOT LABEL: Keep Away From Food

PACKING GROUP: III

RCRA STATUS: N/A

CERCLA STATUS: N/A

SARA/TITLE III - TOXIC CHEMICALS LIST: This product is subject to SARA SECTION 313
Reporting Requirements

TSCA INVENTORY STATUS: Listed

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