



Section 1 - Chemical Product and Company Identification

Product Name Bromoform Specially Purified extrapure, 99%
Product Code 44669
CAS No 75-25-2
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

	CAS#	Chemical Name:	%	EINECS#	
	75 - 25 - 2	Bromoform extrapure	<=100	200 - 854 - 6	

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Toxic by inhalation. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential Health Effects

Eye: Causes eye irritation.
Skin: Causes skin irritation. May be absorbed through the skin in harmful amounts.
Ingestion: Harmful if swallowed. Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause liver and kidney damage. May cause central nervous system depression.
Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. May cause liver and kidney damage. May cause narcotic effects in high concentration. Toxic if inhaled.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Section 5 - Fire Fighting Measures



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General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Do not breathe dust, vapor, mist, or gas. Do not get on skin or in eyes. Do not ingest or inhale. Use only in a chemical fume hood.

Storage: Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from metals. Do not store in metal containers. Keep away from strong bases.

Section 8 - Exposure Control / Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Clear liquid
Color:	colorless to yellow - orange
Boiling Point:	150 - 151 deg C @760mmHg
Freezing/Melting Point:	8 deg C (46.40°F)
Specific Gravity/Density:	2.880-2.900
Molecular Formula:	CHBr3
Molecular Weight:	252.73

Section 10 - Stability and Reactivity



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Chemical Stability: Stable under normal temperatures and pressures. Sensitive to light.

Conditions to Avoid: Incompatible materials, light.

Incompatibilities with Other Materials Metals, strong oxidizing agents, bases, aluminum, magnesium, lithium, sodium potassium alloys.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide, hydrogen bromide.

Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 64-17-5: KQ6300000 CAS# 75-25-2: PB5600000

LD50/LC50: RTECS: **CAS# 64-17-5:** Draize test, rabbit, eye: 500 mg Severe; Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, skin: 20 mg/24H Moderate; Inhalation, mouse: LC50 = 39 mg/m³/4H; Inhalation, rat: LC50 = 20000 ppm/10H; Oral, mouse: LD50 = 3450 mg/kg; Oral, rabbit: LD50 = 6300 mg/kg; Oral, rat: LD50 = 7060 mg/kg; Oral, rat: LD50 = 9000 mg/kg; RTECS: **CAS# 75-25-2:** Inhalation, mouse: LC50 = 12100 mg/m³/2H; Oral, mouse: LD50 = 1072 mg/kg; Oral, rat: LD50 = 933 mg/kg;

Carcinogenicity: Ethyl alcohol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65. Bromoform - ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans California: carcinogen, initial date 4/1/91 IARC: Group 3 (not classifiable)

Section 12 - Ecological Information

Ecotoxicity: Fish: Bluegill/Sunfish: LC50: 29 mg/L; 96h; . Daphnia: Daphnia: EC50: 46 mg/L; 48h; .

Other: Do not empty into drains. Log Pow: 2.38

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	BROMOFORM	BROMOFORM	BROMOFORM
Hazard Class:	6.1	6.1	6.1
UN Number:	2515	2515	2515
Packing Group:	III	III	III

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives Hazard Symbols: T N Risk Phrases: R 23 Toxic by inhalation. R 36/38 Irritating to eyes and skin. R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Safety Phrases: S 28A After contact with skin, wash immediately with plenty of water. S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.



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Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.