

# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

MSDS #: 137.50

Revision Date: November 25, 2002

---

### Section 1 — Chemical Product and Company Identification

---

#### Bromoform

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

---

### Section 2 — Composition, Information on Ingredients

---

Bromoform

Synonym: methyl tribromide

CAS#: 75-25-2

---

### Section 3 — Hazards Identification

---

Colorless to yellow liquid w/Chloroform-like odor.

Moderately toxic by ingestion, skin contact and inhalation. Lachrymator.

Irritating to eyes; skin and mucous membranes.

A solid below 47 F.

#### FLINN AT-A-GLANCE

Health-2

Flammability-0

Reactivity-1

Exposure-1

Storage-0

0 is low hazard, 3 is high hazard

---

### Section 4 — First Aid Measures

---

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Induce vomiting, then give 2 Tbs. activated carbon in 8 oz. of water. Call a physician or poison control at once.

---

### Section 5 — Fire Fighting Measures

---

Non-flammable liquid.

When heated to decomposition, emits highly toxic fumes of Bromine.

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

#### NFPA CODE

None Established

---

### Section 6 — Accidental Release Measures

---

Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

---

### Section 7 — Handling and Storage

---

Flinn Suggested Chemical Storage Pattern: Organic #4. Store with ethers, ketones, halogenated hydrocarbons and ethylene oxide.

Use and dispense in a hood. Store in a cool dry place. Keep container tightly closed.

---

### Section 8 — Exposure Controls, Personal Protection

---

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).

Exposure guidelines: TWA 0.5 ppm, (OSHA)

### Section 9 — Physical and Chemical Properties

Colorless to yellow liquid with chloroform-like color.  
Solubility: Soluble in alcohol and many organic solvents.  
Formula:  $\text{CHBr}_3$   
Formula Weight: 252.75

Melting Point: 8.3 C  
Boiling Point: 150-151 C

### Section 10 — Stability and Reactivity

Incompatible with bases, alkali metals, aluminum, magnesium and their alloys.  
Shelf life: Good. Keep tightly closed and away from light.

### Section 11 — Toxicological Information

Acute effects: Toxic, lachrymator, irritant  
Chronic effects: N.A.  
Target organs: Liver, nerves

ORL-RAT LD50: 1147 mg/kg  
IHL-RAT LC50: N.A.  
SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

### Section 12 — Ecological Information

Data not yet available.

### Section 13 — Disposal Considerations

Please consult with state and local regulations.  
Flinn Suggested Disposal Method #27j is one option.

### Section 14 — Transport Information

Shipping Name: Bromoform  
Hazard Class: 6.1, Keep away from food.  
UN Number: UN2515

N/A = Not applicable

### Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (200-854-6), RCRA U225.

### Section 16 — Other Information

Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

**FLINN SCIENTIFIC INC.**

"Your Safer Source for Science Supplies"

*Flinn--"Your Safer Source for Chemicals"*

flinn@flinnsci.com www.flinnsci.com  
P.O. Box 219 Batavia IL 60510  
(800) 452-1261 Fax (866) 452-1436