

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 137.50

Revision Date: April 28, 2011

### 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. 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 and 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 or External: Immediately flush with fresh water for at least 15 minutes.

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

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable liquid.

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

**Fire Fighting Instructions:** Use a 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 the area and ventilate area. Contain the spill with sand or absorbent material and deposit in a 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: PEL 0.5 ppm (OSHA)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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

Boiling point: 150-151 °C  
Melting point: 8.3 °C

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**SECTION 10 — STABILITY AND REACTIVITY**

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

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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

ORL-RAT  $\text{LD}_{50}$ : 1147 mg/kg  
IHL-RAT  $\text{LC}_{50}$ : N.A.  
SKN-RBT  $\text{LD}_{50}$ : N.A.

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

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply, before proceeding.  
Flinn Suggested Disposal Method #27j is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Bromoform  
Hazard class: 6.1, Keep away from food.  
UN number: UN2515  
N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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

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**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*  
for additional information about laboratory chemicals.**