



SDS #: 133.2

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Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1-Bromobutane

Signal Word
DANGER

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261
Chemtrec Emergency Phone Number: (800) 424-9505

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 2). Highly flammable liquid and vapor (H225). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Skin corrosion or irritation (Category 2). Causes skin irritation (H315).

Hazard class: Serious eye damage/eye irritation (Category 2A). Causes serious eye irritation (H319).

Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335). Avoid breathing mist, vapors or spray (P261).



SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
1-Bromobutane	109-65-9	CH ₃ CH ₂ CH ₂ CH ₂ Br	137.03	
Synonyms: n-Butyl bromide; Butyl bromide				

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). Call a POISON CENTER or physician if you feel unwell (P312). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313). **If on skin:** Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313). **If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Class IB flammable liquid.

Flash point: 18 °C Flammable limits: Upper 6.6% Lower: 2.6% Autoignition Temperature: 265 °C

When heated to decomposition, may emit toxic fumes.

In case of fire: Use tri-class dry chemical fire extinguisher (P370+P378).

NFPA Code

H-1

F-3

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain the spill with sand or other inert 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, and halogenated hydrocarbons.

Keep container tightly closed (P233). Keep cool (P235). Ground or bond container and receiving equipment (P240). Use explosion-proof electrical and ventilating equipment (P241). Use only non-sparking tools (P242). Take precautionary measures against static discharge (P243). Use only in a hood or in a well-ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash thoroughly after handling (P264). Use only in a hood or in a well-ventilated area (P271).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

colorless to light brown liquid. Characteristic odor.

Insoluble in water. Soluble in alcohol and ether.

Boiling point: 100-104 °C

Melting point: -112 °C

Refractive index: 1.4398

Specific gravity: 1.276

Vapor density: 4.7

SECTION 10 — STABILITY AND REACTIVITY

Avoid heat, sunlight, and ignition sources. Reacts with alkali and alkaline earth metals, amines, bases, and strong oxidizing agents.

Shelf life: Fair, store in a cool, dry place.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Eye, skin, and mucous membrane irritant.

Cough, headache, nausea.

Chronic effects: Liver and kidney damage. Possible teratogen.

Target organs: N.A.

ORL-RAT LD₅₀: 2761 mg/kg

IHL-RBT LC₅₀: 23,700 mg/m³

SKN-RBT LD₅₀: N.A.

SECTION 12 — ECOLOGICAL INFORMATION

May cause long lasting harmful effects to aquatic life.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #4b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: 1-Bromobutane. Hazard class: 3. UN number: UN1126

SECTION 15 — REGULATORY INFORMATION

TSCA listed.

SECTION 16 — OTHER INFORMATION

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