



SDS #: 184

Revision Date: March 21, 2014

Butyric Acid Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Butyric Acid

Signal Word
DANGER

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

Chemtrec Emergency Phone Number: (800) 424-9548

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 3). Combustible liquid (H227). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Butyric acid	107-92-6	CH ₃ CH ₂ CH ₂ COOH	88.11	
Synonyms: Butanoic acid				

SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

If on skin or hair: Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). **If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331). **If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

SECTION 5 — FIRE FIGHTING MEASURES

Class IIIA combustible liquid.

Flash point: 72 °C Flammable limits: Lower: 2% Upper: 10% Autoignition Temperature: 443 °C

NFPA Code

H-3

F-2

R-0

When heated to decomposition, may emit toxic fumes.

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

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material, neutralize with sodium bicarbonate or calcium hydroxide, and deposit in a sealed bag or container. Washing with clove oil can sometimes reduce stench. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.

Keep cool (P235). Store inside a Flinn Chem-Saf™ bag, then inside a Flinn Saf-Stor™ can. Use only in a hood or well-ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Oily, colorless liquid. Pungent, obnoxious odor.

Boiling point: 163.5 °C

Soluble: Water. Miscible in alcohol and ether.

Melting point: -7.9 °C

Specific gravity: 0.96

SECTION 10 — STABILITY AND REACTIVITY

Avoid open flame and sources of heat.

Avoid contact with bases, oxidizers, and reducing agents.

Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Severe skin burns, eye damage.

ORL-RAT LD₅₀: 2 g/kg

Chronic effects: N.A.

IHL-RAT LC₅₀: greater than 500 mg/m³

Target organs: Skin, eyes.

SKN-RBT LD₅₀: 530 uL/kg

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

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

Flinn Suggested Disposal Method #24a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Butyric Acid. Hazard class: 8, Corrosive. UN number: UN2820.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (203-532-3), RCRA code D002.

SECTION 16 — OTHER INFORMATION

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USE OR DISPOSAL OF THIS PRODUCT(S).

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

N/A = Not applicable

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

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