

## 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 <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> 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

When heated to decomposition, may emit toxic fumes.

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

NFPA Code

H-3

F-2

R-0

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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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.

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**SECTION 7 — HANDLING AND STORAGE**

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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).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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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).

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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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

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid open flame and sources of heat.

Avoid contact with bases, oxidizers, and reducing agents.

Shelf life: Indefinite, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Severe skin burns, eye damage.	ORL-RAT LD <sub>50</sub> : 2 g/kg
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : greater than 500 mg/m <sup>3</sup>
Target organs: Skin, eyes.	SKN-RBT LD <sub>50</sub> : 530 uL/kg

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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 #24a is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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

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**SECTION 15 — REGULATORY INFORMATION**

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

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**SECTION 16 — OTHER INFORMATION**

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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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