

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 883.00

Revision Date: April 28, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Butyl Acetate

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

Butyl acetate

Synonym: n-Butyl acetate; Acetic acid, butyl ester

CAS#: 123-86-4

SECTION 3 — HAZARDS IDENTIFICATION

Colorless liquid. Mild fruity odor.

Irritating to mucous membranes, skin, and eyes. Avoid all body tissue contact. Possible sensitizer. High concentrations may have a narcotic effect.

Flammable liquid.

FLINN AT-A-GLANCE

Health-2

Flammability-3

Reactivity-1

Exposure-1

Storage-3

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. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class 1B flammable liquid. Flash point: 26 °C Flammable limits: Lower: 1.7% Upper: 7.6% Autoignition Temperature: 425 °C Vapors can flow to distant ignition sources and flash back. Avoid static discharge. When heated to decomposition emits CO and CO₂.

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

H-2

F-3

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Remove all ignition sources 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 #3. Store with hydrocarbons, esters, and aldehydes.

Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor Can.

Use and dispense in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and a 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 150 ppm (OSHA); STEL 200 ppm (ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid; mild fruity odor.
Solubility: Slightly soluble in water.
Formula: $C_6H_{12}O_2$
Formula weight: 116.16

Boiling point: 126 °C
Melting point: -77 °C
Specific gravity: 0.8822
Vapor density: 4.0
Vapor pressure: 15 mmHg

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with oxidizers, bases, acids, nitrates, potassium-tert-butoxide, and heat.
Shelf life: Good, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant, nausea, headache, vomiting.	ORL-RAT LD ₅₀ : 10.8 g/kg
Chronic effects: Anemia.	IHL-RAT LC ₅₀ : 390 ppm/4 hour
Target organs: Eyes, skin, respiratory tract, central nervous system.	SKN-RBT LD ₅₀ : >17,600 mg/kg

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

SECTION 12 — ECOLOGICAL INFORMATION

Readily biodegradable in soil and water.
96HR LC₅₀ fathead minnow: 18 mg/L (flow-through)

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply, before proceeding.
Flinn Suggested Disposal Method #18a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Butyl acetates
Hazard class: 3, Flammable Liquid
UN number: UN1123
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed; EINECS-listed (204-658-1).

SECTION 16 — OTHER INFORMATION

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