

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 879.45

Revision Date: November 24, 2010

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Benzyl 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

Benzyl acetate

Synonyms: Acetic acid, phenylmethyl ester; phenylmethyl acetate; benzyl ethanoate

CAS#: 140-11-4

SECTION 3 — HAZARDS IDENTIFICATION

Clear, colorless liquid. Jasmine odor
Irritating to eyes, respiratory system, and skin.
Class IIIA combustible liquid.

FLINN AT-A-GLANCE

Health-1
Flammability-2
Reactivity-0
Exposure-1
Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician, 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: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with mild soap and fresh water for at least 15 minutes.

Internal: Rinse mouth. Give large quantities of water for dilution. Never give anything by mouth to an unconscious person. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class IIIA combustible liquid.

Flash point: 90 °C (Closed cup). Autoignition temperature: 238 °C.

When heated to decomposition, emits toxic fumes of carbon monoxide and carbon dioxide.

Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

H-1
F-2
R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic Miscellaneous. Store together with the Organic Smell Identification Kit.

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).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear, colorless liquid with the odor of jasmine.

Solubility: Slightly soluble in water.

Formula: C₉H₁₀O₂

Formula Weight: 150.18

Density: 1.055 @ 20 °C

Boiling Point: 214 °C @ 760 mmHg

Melting Point: -51.3 °C @ 760 mmHg

Specific Gravity: 1.1 @ 25°C

Vapor Density: 5.2 (Air=1)

SECTION 10 — STABILITY AND REACTIVITY

Keep away from heat and open flame. Incompatible with strong oxidizing agents, acids, bases, and reducing agents.

Hazardous decomposition products (by fire): Carbon dioxide, carbon monoxide

Shelf Life: Excellent, if stored safely.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritation to eyes, respiratory system, and skin; CNS depression; narcotic effect; nausea; vomiting; diarrhea.

Chronic effects: Potential carcinogen

Target organs: Nerves, kidneys.

ORL-RAT LD₅₀: 2490 mg/kg

IHL-CAT LC₅₀: 245 ppm

SKN-RBT LD₅₀: >5000 mg/kg

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

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.

Flinn Suggested Disposal Method #18a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping Name: N/A

Hazard Class: N/A

UN Number: N/A

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA listed.

SECTION 16 — OTHER INFORMATION

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