

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 879.80

Revision Date: October 6, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Pentyl 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

Pentyl acetate

Synonyms: Amyl acetate; Pentyl ester acetic acid

CAS#: 628-63-7

SECTION 3 — HAZARDS IDENTIFICATION

Clear, colorless liquid. Banana odor.

Irritating to eyes, respiratory system, and skin. May be harmful if inhaled, ingested, or absorbed through the skin.

FLINN AT-A-GLANCE

Health-0

Flammability-3

Reactivity-0

Exposure-1

Storage-0

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: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class 1B flammable liquid.

Flash point: 25 °C Flammable limits: Lower: 1.1% Upper: 7.5% Autoignition Temperature: 360 °C

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-3

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, & clothing. Wear chemical splash goggles, chemical-resistant gloves, & 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.
Solubility: Slightly soluble in water. Soluble in ethyl alcohol.
Formula: C₇H₁₄O₂
Formula weight: 130.19

Boiling point: 149.2 °C
Density: 0.876
Melting point: -100 °C
Vapor density: 4.5
Vapor pressure: 4.2

SECTION 10 — STABILITY AND REACTIVITY

Keep away from heat and open flame. Incompatible with strong oxidizing agents, strong bases.
Hazardous decomposition products (by fire): Carbon dioxide, carbon monoxide
Shelf life: Excellent, if stored safely.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritation to eyes, skin, and respiratory system.
Chronic effects: N.A.
Target organs: Central Nervous System

ORL-RAT LD₅₀: >1600 mg/kg
IHL-RAT LC₅₀: N.A.
SKN-RBT LD₅₀: N.A.

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

SECTION 12 — ECOLOGICAL INFORMATION

May be toxic to aquatic life.

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: Amyl acetates
Hazard class: 3
UN number: 1104
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.**