

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 879.80

Revision Date: November 24, 2010

### 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, 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 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: C<sub>7</sub>H<sub>14</sub>O<sub>2</sub>

Formula Weight: 130.19

Boiling Point: 149.2 °C

Density: 0.876

Melting Point: -100 °C @760 mmHg

Vapor Density: 4.5 (Air=1)

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 LD<sub>50</sub>: >1600 mg/kgIHL-RAT LC<sub>50</sub>: N.A.SKN-RBT LD<sub>50</sub>: 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 consult with state and local regulations.

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.**