

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 879.90

Revision Date: April 21, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Isoamyl 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

Isoamyl acetate

Synonyms: Pear oil; Banana oil; Isopentyl acetate; 3-methyl-1-butyl acetate

CAS#: 123-92-2

SECTION 3 — HAZARDS IDENTIFICATION

Clear, colorless liquid. Pear 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: 1.0% 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, 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). Exposure guidelines: PEL 100 ppm, STEL 100 ppm (OSHA, NIOSH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear colorless liquid.

Solubility: Insoluble in water. Soluble in ethyl alcohol.

Formula: C₇H₁₄O₂

Formula weight: 130.19

Boiling point: 142 °C

Density: 0.786

Evaporation rate: 0.42

Melting point: -78.5 °C

Vapor density: 4.5

SECTION 10 — STABILITY AND REACTIVITY

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

Chronic effects: N.A.

Target organs: Central nervous system.

ORL-RAT LD₅₀: 16600 mg/kgIHL-RAT LC₅₀: N.A.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

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.**