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Amyl Acetate (Pentyl Acetate) Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Amyl Acetate (Pentyl Acetate)

Signal Word  
WARNING

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-9426

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 3). Flammable liquid and vapor (H226). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Amyl acetate	628-63-7	CH <sub>3</sub> CO <sub>2</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub>	130.18	
Synonyms: Pentyl acetate; Banana oil; n-Amyl acetate; Pentyl ester acetic acid; 1-Pentyl acetate				

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.  
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.  
If on skin or hair: Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).  
If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Class 1C flammable liquid.	NFPA Code
Flash point: 25 °C Flammable limits: Lower: 1.1% Upper: 7.5% Autoignition Temperature: 360 °C	H-1 F-3
In case of fire: Use a tri-class dry chemical fire extinguisher (P370+P378).	R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Absorb with sand or vermiculite and place in a sealed and suitable container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, oils, esters and aldehydes. Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor™ can. Keep container tightly closed (P233). Keep cool (P235). Ground or bond container and receiving equipment (P240). Use explosion-proof electrical and ventilating equipment (P241). Use only non-sparking tools (P242). Store in a well-ventilated place. Keep cool. (P403+P235)

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling. Exposure guidelines: PEL 100 ppm (OSHA); TLV 50 ppm STEL 100 ppm (ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear, colorless liquid. Banana-like odor.  
Soluble: Ethyl alcohol and slightly in water.  
Upper flammability limit: 7.5% by volume  
Lower flammability limit: 1.1% by volume  
  
Boiling point: 148 °C Melting point: -71 °C  
Density: 0.8756 at 20 °C  
Vapor density: 4.5  
Vapor pressure: 4 mm  
Flash point: 25 °C (closed cup)

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers and bases.  
Shelf life: Good, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritation eyes, nose; dermatitis; possible central nervous system depression, narcosis  
Chronic effects: N.A.  
Target organs: Eyes, skin, respiratory system, central nervous system  
  
ORL-RAT LD<sub>50</sub>: 6500 mg/kg  
IHL-RAT LC<sub>50</sub>: N.A.  
SKN-RBT LD<sub>50</sub>: N.A.

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 #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Amyl acetates. Hazard class: 3, Flammable Liquid. UN number: UN1104.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (211-047-3), RCRA code D001.

SECTION 16 — OTHER INFORMATION

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

N/A = Not applicable

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

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