Material Safety Data Sheet (MSDS)

Amyl Acetate
Prepared by: Triveni Chemicals
Revision Date: 28-August-2025
Version: 1.0

Section 1: Product Identification

- **Product Name:** Amyl Acetate
- **Chemical Formula:** C7H14O2
- **CAS No:** 628-63-7
- **Recommended Use:** Used as a solvent in paints, coatings, lacquers, and as a flavoring agent.

- **Supplier:**
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Section 2: Hazards Identification

• **Classification (GHS):** Flammable Liquid (Category 3), Eye Irritant (Category 2A), Specific Target Organ Toxicity - Single Exposure (Category 3, narcotic effects).

• **Signal Word:** Warning

• **Hazard Statements:**

- Flammable liquid and vapor
- Causes serious eye irritation
- May cause drowsiness or dizziness

• **Precautionary Statements:**

- Keep away from heat, sparks, open flames, and hot surfaces
- Avoid contact with eyes, skin, and clothing
- Use only in well-ventilated areas
- Wear protective gloves and eye protection

Section 3: Composition / Information on Ingredients

• **Chemical Name:** Amyl Acetate

• **Synonyms:** Pentyl acetate, Banana oil

• **CAS Number:** 628-63-7

• **Concentration:** >98%

Section 4: First Aid Measures

• **Inhalation:** Remove to fresh air. If symptoms such as dizziness or headache persist, seek medical attention.

• **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing.

• **Eye Contact:** Rinse cautiously with water for several minutes. Seek immediate medical attention if irritation persists.

• **Ingestion:** Rinse mouth. Do NOT induce vomiting. Seek immediate medical advice.

Section 5: Fire-Fighting Measures

• **Suitable Extinguishing Media:** Water spray, foam, dry chemical, carbon dioxide (CO2).

• **Specific Hazards:** Vapors may form explosive mixtures with air. Emits toxic fumes of carbon oxides under fire conditions.

• **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

• **Personal Precautions:** Use protective equipment. Avoid inhalation of vapors and contact with skin/eyes. Ensure adequate ventilation.

• **Environmental Precautions:** Prevent entry into drains, soil, and water bodies.

• **Cleanup Methods:** Absorb with inert material (sand, earth). Place in suitable container for disposal.

Section 7: Handling and Storage

• **Handling:** Avoid inhalation of vapors and contact with skin/eyes. Use only in well-ventilated areas. Keep away from ignition sources.

• **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated area. Protect from heat and light.

Section 8: Exposure Controls / Personal Protection

• **Exposure Limits:** ACGIH TLV: 100 ppm TWA

• **Engineering Controls:** Ensure adequate ventilation and explosion-proof equipment.

• **Personal Protective Equipment:** Gloves, protective goggles, lab coat, respirator if exposure limits are exceeded.

Section 9: Physical and Chemical Properties

- **Appearance:** Colorless liquid
- **Odor:** Pleasant, fruity (banana-like) odor
- **Boiling Point:** 148 °C
- **Melting Point:** -71 °C
- **Flash Point:** 25 °C (closed cup)
- **Solubility:** Insoluble in water; soluble in alcohol and organic solvents
- **Molecular Weight:** 130.19 g/mol

Section 10: Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Incompatible Materials:** Strong oxidizing agents, strong acids, and bases.
- **Hazardous Decomposition Products:** Carbon oxides under fire conditions.

Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin, and eye contact.
- **Acute Effects:** Causes serious eye irritation. May cause respiratory irritation, drowsiness, or dizziness.

• **Chronic Effects:** Prolonged or repeated exposure may cause liver and kidney damage.

Section 12: Ecological Information

• **Ecotoxicity:** Harmful to aquatic life with long-lasting effects.

• **Persistence and Degradability:** Expected to be biodegradable.

• **Bioaccumulative Potential:** Low to moderate potential for bioaccumulation.

Section 13: Disposal Considerations

• Dispose of contents/container in accordance with local/regional/national regulations. Avoid release into the environment.

Section 14: Transport Information

• **UN Number:** UN 1104

• **Proper Shipping Name:** Amyl Acetate

• **Hazard Class:** 3 (Flammable liquids)

• **Packing Group:** III

Section 15: Regulatory Information

• Complies with Indian chemical safety regulations and international inventories (TSCA, EINECS, etc.).

• Classified as hazardous substance under GHS.

Section 16: Other Information

- **Prepared By:** Triveni Chemicals, Regulatory Affairs Department
- **Disclaimer:** The above information is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under actual conditions of use. **Triveni chemicals** disclaims any liability for damage resulting from handling or contact.