

Material Safety Data Sheet (MSDS)

1-Octen-3-yl Acetate

Revision Date: 22-September-2025

Version: 1.0

Section 1: Product Identification

- **Product Name:** 1-Octen-3-yl Acetate
- **Chemical Formula:** C₁₀H₁₈O₂
- **CAS No:** 2442-10-6
- **Synonyms:** Amy vinyl carbinol acetate, 3-Acetoxy octene
- **Recommended Use:** Flavor and fragrance ingredient; laboratory chemical/intermediate.

Section 2: Hazards Identification

- **Classification (GHS):** Flammable liquids, Skin irritation, Eye irritation.
- **Signal Word:** Warning
- **Hazard Statements:**
 - Combustible liquid

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- Causes skin and eye irritation

• **Precautionary Statements:**

- Keep away from heat/sparks/open flames/hot surfaces. No smoking
- Wear protective gloves/eye protection; wash thoroughly after handling
- If on skin or in eyes: Rinse cautiously with water for several minutes, seek medical attention if irritation persists

Section 3: Composition / Information on Ingredients

- **Concentration:** 100%

Section 4: First Aid Measures

- **Inhalation:** Remove to fresh air. If symptoms develop, seek medical attention.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation persists.
- **Eye Contact:** Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do. Continue rinsing.
- **Ingestion:** Rinse mouth. Do NOT induce vomiting. Call a poison center/doctor if you feel unwell.

Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, foam, carbon dioxide (CO₂); water spray for cooling.
- **Specific Hazards:** Combustible liquid; vapors may form explosive mixtures with air; combustion may produce carbon oxides.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

- **Personal Precautions:** Eliminate ignition sources. Ensure adequate ventilation. Avoid inhalation and skin/eye contact.
- **Environmental Precautions:** Prevent entry into drains and waterways.
- **Cleanup Methods:** Absorb with inert material (sand, earth). Collect into suitable container for disposal.

Section 7: Handling and Storage

- **Handling:** Avoid breathing vapors and contact with skin/eyes. Use with adequate ventilation.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place away from sources of ignition.

Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** No occupational exposure limits established.
- **Engineering Controls:** Provide adequate general ventilation; local exhaust if needed.
- **Personal Protective Equipment:** Chemical-resistant gloves, safety goggles, lab coat; respirator if ventilation is inadequate.

Section 9: Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor:** Fruity, mushroom-like odor
- **Boiling Point:** 189.00 to 190.00 °C
- **Flash Point:** 73.89 °C (closed cup)
- **Solubility:** Insoluble in water, soluble in organic solvents
- **Molecular Weight:** 170.25 g/mol

Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Incompatible Materials:** Strong oxidizing agents; strong acids.
- **Hazardous Decomposition Products:** Carbon oxides under fire conditions.

Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin and eye contact.
- **Acute Effects:** Causes skin and eye irritation; may cause respiratory irritation.
- **Chronic Effects:** Prolonged exposure may cause dermatitis or sensitization in some individuals.

Section 12: Ecological Information

- **Ecotoxicity:** May be harmful to aquatic organisms; avoid release to environment.
- **Persistence and Degradability:** Expected to be biodegradable.
- **Bioaccumulative Potential:** Low potential.

Section 13: Disposal Considerations

- Dispose of contents/container in accordance with local/regional/national regulations. Do not release into the environment.

Section 14: Transport Information

- **UN Number:** Not regulated

- **Proper Shipping Name:** 1-Octen-3-yl Acetate
- **Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable

Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and listed under international chemical inventories.
- Classified as hazardous substance as per GHS.

Section 16: Other Information

- **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.