

## Material Safety Data Sheet (MSDS)

### Prenyl Acetate

Revision Date: 22-September-2025

Version: 1.0

### Section 1: Product Identification

- **Product Name:** Prenyl Acetate
- **Chemical Formula:** C<sub>7</sub>H<sub>12</sub>O<sub>2</sub>
- **CAS No:** 1191-16-8
- **Synonyms:** 3-Methyl-2-buten-1-yl acetate; 3-Methyl-2-butenyl acetate
- **Recommended Use:** Flavoring agent, fragrance ingredient, chemical intermediate.

### Section 2: Hazards Identification

- **Classification (GHS):** Flammable liquids (Category 3); Skin irritation (Category 2); Eye irritation (Category 2A).
- **Signal Word:** Warning
- **Hazard Statements:**

☎ +91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

✉ info@triveniinterchem.com | info@trivenichemical.com

🌐 www.triveniinterchem.com | www.trivenichemical.com

📍 135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



www.chemicalbull.com

GROUP OF Triveni CHEMICALS

- Flammable liquid and vapor
- Causes skin and eye irritation
- **Precautionary Statements:**
  - Keep away from heat/sparks/open flames/hot surfaces. No smoking
  - Wear protective gloves/eye protection
  - IF ON SKIN or IN EYES: Rinse cautiously with water; seek medical advice if irritation persists

## Section 3: Composition / Information on Ingredients

- **Concentration:** 100%

## Section 4: First Aid Measures

- **Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms develop.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing. Get 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. Get medical advice if irritation persists.
- **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 (CO<sub>2</sub>); water spray.
- **Specific Hazards:** Flammable liquid and vapor. 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. Use personal protective equipment to avoid skin/eye contact.
- **Environmental Precautions:** Prevent entry into drains and waterways.
- **Cleanup Methods:** Absorb with inert material (sand, earth). Collect in suitable container for disposal.

## Section 7: Handling and Storage

- **Handling:** Keep away from sources of ignition. Avoid breathing vapors. Avoid contact with skin and eyes. Use with adequate ventilation.

- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated area away from heat and oxidizing agents.

---

## Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** No occupational exposure limits established.
- **Engineering Controls:** Provide adequate ventilation and local exhaust if necessary.
- **Personal Protective Equipment:** Protective gloves, safety goggles, protective clothing; respirator if ventilation is inadequate.

---

## Section 9: Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor:** Fruity odor (pear, apple-like)
- **Boiling Point:** 151 - 152 °C
- **Flash Point:** 54 °C (closed cup)
- **Solubility:** Insoluble in water; soluble in organic solvents (ethanol, ether)
- **Molecular Weight:** 128.17 g/mol

## Section 10: Stability and Reactivity

- **Stability:** Stable under normal storage and handling conditions.
- **Incompatible Materials:** Strong oxidizers, 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 or repeated exposure may cause dermatitis.

## Section 12: Ecological Information

- **Ecotoxicity:** Harmful to aquatic organisms in high concentrations.
- **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:** UN3272
- **Proper Shipping Name:** Esters, n.o.s. (Prenyl Acetate)
- **Hazard Class:** 3
- **Packing Group:** III

## Section 15: Regulatory Information

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

☎ +91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

✉ info@triveniinterchem.com | info@trivenichemical.com

🌐 www.triveniinterchem.com | www.trivenichemical.com

📍 135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



[www.chemicalbull.com](http://www.chemicalbull.com)

GROUP OF Triveni CHEMICALS