

Material Safety Data Sheet (MSDS)

2-Methylbutyl Acetate

Revision Date: 15-October-2025

Version: 1.0

Section 1: Product Identification

- **Product Name:** 2-Methylbutyl Acetate
- **Chemical Formula:** C₇H₁₄O₂
- **CAS No:** 624-41-9
- **Synonyms:** Isopentyl acetate; Isoamyl acetate; 1-Butanol, 3-methyl-, acetate
- **Recommended Use:** Used as a solvent and fragrance ingredient in coatings, lacquers, and perfumes.

Section 2: Hazards Identification

- **Classification (GHS):** Flammable Liquid; Eye Irritant; Specific Target Organ Toxicity (Single Exposure).
- **Signal Word:** Warning

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• **Hazard Statements:** Flammable liquid and vapor. Causes eye irritation. May cause drowsiness or dizziness.

- Harmful if swallowed
- Causes skin irritation and serious eye irritation
- Combustible liquid
- Keep away from heat/sparks/open flames. 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:** 95%

Section 4: First Aid Measures

- **Inhalation:** Move to fresh air. If symptoms occur, seek medical attention.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing. Seek medical attention 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. Seek immediate medical attention.

Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Foam, dry chemical, or carbon dioxide. Avoid direct water jets.
- **Specific Hazards:** Vapors may form explosive mixtures with air. Combustion may produce carbon oxides.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid breathing vapors. Ensure adequate ventilation. Remove ignition sources.
- **Environmental Precautions:** Prevent entry into drains, surface, and groundwater.
- **Cleanup Methods:** Absorb with inert material. Dispose of in accordance with local regulations.

Section 7: Handling and Storage

- **Handling:** Use in well-ventilated areas. Avoid contact with skin, eyes, and clothing. Keep away from sources of heat and ignition.
- **Storage:** Store in a cool, dry, and well-ventilated area. Keep container tightly closed when not in use.

Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** No occupational exposure limits established.
- **Engineering Controls:** Provide adequate ventilation, especially in confined areas.
- **Personal Protective Equipment:** Wear protective gloves, goggles, and suitable clothing. Use respiratory protection if necessary.

Section 9: Physical and Chemical Properties

- **Appearance:** Clear, colorless liquid.
- **Odor:** Fruity, sweet odor (apple or banana-like).
- **Boiling Point:** 138 °C
- **Flash Point:** 35 °C (closed cup)
- **Solubility:** Insoluble in water; soluble in organic solvents such as ethanol and ether.
- **Molecular Weight:** 130.19 g/mol

Section 10: Stability and Reactivity

- **Stability:** Stable under normal storage and handling conditions.
- **Incompatible Materials:** Strong oxidizing agents, acids, and bases.

- **Hazardous Decomposition Products:** Carbon oxides may form under fire conditions.

Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin, and eye contact.
- **Acute Effects:** Causes eye irritation. High vapor concentrations may cause drowsiness or dizziness.
- **Chronic Effects:** Prolonged exposure may lead to skin dryness or irritation.

Section 12: Ecological Information

- **Ecotoxicity:** Harmful to aquatic life.
- **Persistence and Degradability:** Expected to be readily biodegradable.
- **Bioaccumulative Potential:** Low potential for bioaccumulation.

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:** UN 1104
- **Proper Shipping Name:** 2-Methylbutyl acetate
- **Hazard Class:** 3
- **Packing Group:** III

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.