

Material Safety Data Sheet (MSDS)

Butyl Acetate

Revision Date: 29-August-2025

Version: 1.0

Section 1: Product Identification

- **Product Name:** Butyl Acetate
- **Chemical Formula:** C₆H₁₂O₂
- **CAS No:** 123-86-4
- **Synonyms:** n-Butyl acetate, Butyl ethanoate
- **Recommended Use:** Used as a solvent in coatings, paints, adhesives, inks, and chemical intermediates.

Section 2: Hazards Identification

- **Classification (GHS):** Flammable Liquid (Category 3), Specific Target Organ Toxicity - Single Exposure (Category 3, narcotic effects).
- **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
- May cause drowsiness or dizziness
- **Precautionary Statements:**
 - Keep away from heat, sparks, open flames, and hot surfaces
 - Use explosion-proof equipment
 - Avoid breathing vapors
 - Wear protective gloves and eye protection

Section 3: Composition / Information on Ingredients

- **Concentration:** $\geq 99\%$ (typical commercial grade)

Section 4: First Aid Measures

- **Inhalation:** Remove to fresh air. If symptoms occur, seek medical attention.
- **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek 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:** Ensure adequate ventilation. Remove ignition sources. Avoid inhalation of vapors and contact with skin/eyes.
- **Environmental Precautions:** Prevent entry into drains, surface water, and soil.
- **Cleanup Methods:** Absorb with inert material (sand, earth). Place in suitable container for proper disposal.

Section 7: Handling and Storage

- **Handling:** Handle in well-ventilated areas. Keep away from ignition sources. Avoid breathing vapors.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place. Protect from sunlight and heat.

Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** OSHA PEL: 150 ppm TWA; ACGIH TLV: 150 ppm TWA
- **Engineering Controls:** Provide adequate ventilation and explosion-proof equipment.
- **Personal Protective Equipment:** Protective gloves, goggles, lab coat, and respirator if exposure limits are exceeded.

Section 9: Physical and Chemical Properties

- **Appearance:** Colorless liquid
- **Odor:** Fruity, banana-like odor
- **Boiling Point:** 126 °C
- **Melting Point:** -78 °C
- **Flash Point:** 27 °C (closed cup)
- **Solubility:** Slightly soluble in water; soluble in alcohol and organic solvents
- **Molecular Weight:** 116.16 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:** May cause respiratory irritation, drowsiness, dizziness, and eye irritation.
- **Chronic Effects:** Prolonged or repeated exposure may cause central nervous system effects.

Section 12: Ecological Information

- **Ecotoxicity:** Harmful to aquatic life in high concentrations.
- **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. Avoid release to the environment.

Section 14: Transport Information

- **UN Number:** UN 1123
- **Proper Shipping Name:** Butyl Acetates
- **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

- **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.