

Material Safety Data Sheet (MSDS)

Isoamyl Alcohol**CAS Number:** 123-51-3**Prepared by:** Triveni Chemicals**Revision Date:** 25-June-2025**Version:** 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name: Isoamyl Alcohol**Synonyms:** Isopentyl alcohol, 3-Methyl-1-butanol**Recommended Use:** Solvent, chemical intermediate, flavor and fragrance ingredient**Supplier:****Triveni Chemicals**

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SECTION 2: Hazards Identification

GHS Classification:

- Flammable liquid (Category 3), H226
- Acute toxicity, oral (Category 4), H302
- Eye irritation (Category 2B), H320

Signal Word: *Warning*

Hazard Statements:

- H226: Flammable liquid and vapor
- H302: Harmful if swallowed
- H320: Causes eye irritation

Precautionary Statements:

- P210: Keep away from heat/sparks/open flames
- P264: Wash hands thoroughly after handling
- P280: Wear protective gloves/eye protection
- P301+P312: IF SWALLOWED: Call a doctor if you feel unwell
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do — continue rinsing
- P337+P313: If eye irritation persists: Get medical advice/attention
- P403+P233: Store in a well-ventilated place. Keep container tightly closed

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Content
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Isoamyl Alcohol	123-51-3	≥98%
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SECTION 4: First-Aid Measures

- Inhalation:** Move to fresh air. Seek medical attention if symptoms occur.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Seek medical attention if irritation develops.
- Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if feeling unwell.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide

Specific Hazards: Vapors may form explosive mixtures with air

Protective Equipment: Use SCBA and protective clothing

SECTION 6: Accidental Release Measures

Personal Precautions: Wear gloves, goggles. Ensure good ventilation. Keep away from ignition sources.

Environmental Precautions: Prevent release to drains or waterways

Cleanup Methods: Absorb with inert material (e.g. sand). Dispose of according to local regulations

SECTION 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Use in well-ventilated areas. Keep away from sources of ignition.

Storage: Store in tightly closed containers in a cool, dry, well-ventilated place away from heat and open flames

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits:

- ACGIH TLV: 100 ppm (310 mg/m³) TWA

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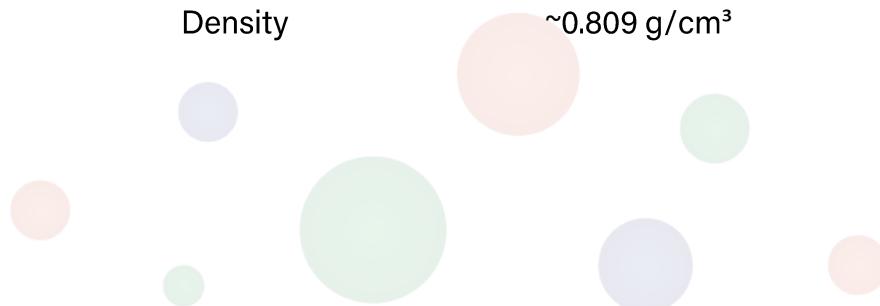
Engineering Controls: Local exhaust recommended

Personal Protective Equipment (PPE):

- Protective gloves
- Safety goggles
- Protective clothing

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	Colorless liquid
Odor	Pungent, alcoholic, fusel-like
Boiling Point	130 °C
Melting Point	-117 °C
Flash Point	43 °C (closed cup)
Autoignition Temperature	~335 °C
Density	~0.809 g/cm ³



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Property**Value**

Solubility	Not determined
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SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions

Incompatibility: Strong oxidizers, acids

Decomposition Products: Carbon monoxide, carbon dioxide

Reactivity: No hazardous polymerization known

SECTION 11: Toxicological Information

- Oral LD₅₀ (Rat):** ~1300 mg/kg
- Skin Effects:** May cause mild irritation
- Eye Effects:** Causes mild irritation
- Respiratory Effects:** Vapors may cause dizziness or irritation

SECTION 12: Ecological Information

- **Biodegradability:** Readily biodegradable
 - **Aquatic Toxicity:** Low to moderate hazard to aquatic life
 - **Bioaccumulation:** Low potential
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SECTION 13: Disposal Considerations

Dispose of product and container in accordance with local, regional, and national regulations. Avoid release to the environment.

SECTION 14: Transport Information

- **UN Number:** 1105
- **Proper Shipping Name:** Amyl alcohols
- **Hazard Class:** 3
- **Packing Group:** III



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SECTION 15: Regulatory Information

- TSCA listed (US)
- Complies with MSIH Rules (India)
- Not listed under REACH SVHC

SECTION 16: Other Information

Prepared By: Triveni Chemicals, Regulatory Affairs Department

Disclaimer:

The information above is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under their actual conditions of use. **Triveni Chemicals** disclaims any liability for damage resulting from handling or contact.

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