

CHEMICAL WITHOUT BORDERS-POWERED BY INDIA

CIN No.: U24100GJ2010PTC060594 GST No.: 24AADCT5202F1ZU MSME No: UDYAM-GJ-25-0009026

ISO 9001:2015 | QMS/NAB-C21601/1645

Material Safety Data Sheet (MSDS)

Benzyl Alcohol

Prepared by: Triveni Chemicals Revision Date: 28-August-2025

Version: 1.0

Section 1: Product Identification

• Product Name: Benzyl Alcohol

• Chemical Formula: C7H8O

• CAS No: 100-51-6

• Recommended Use: Used as a solvent, preservative, and intermediate in the manufacture of other chemicals.

Supplier:

Triveni Chemicals

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Section 2: Hazards Identification

- Classification (GHS): Acute Toxicity Oral (Category 4), Eye Irritant (Category 2A).
- Signal Word: Warning
- Hazard Statements:
 - Harmful if swallowed
 - Causes serious eye irritation
- Precautionary Statements:
 - Avoid contact with eyes and skin
 - Wash hands thoroughly after handling
 - Wear protective gloves and eye protection

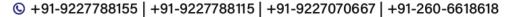
Section 3: Composition / Information on Ingredients

• Chemical Name: Benzyl Alcohol

• Synonyms: Phenylcarbinol, Benzenemethanol

• CAS Number: 100-51-6

• Concentration: >99%



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Section 4: First Aid Measures

- Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention.
- Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing.
- Eye Contact: Rinse cautiously with water for several minutes. Seek immediate medical attention if irritation persists.
- Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical advice immediately.

Section 5: Fire-Fighting Measures

- Suitable Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide (CO2).
- Specific Hazards: 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:** Use protective equipment. Avoid inhalation and contact with skin/eyes. Ensure adequate ventilation.
- Environmental Precautions: Prevent entry into drains, soil, and water bodies.
- Cleanup Methods: Absorb with inert material (sand, earth). Place in suitable container for disposal.

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Section 7: Handling and Storage

- **Handling:** Avoid inhalation of vapors and contact with skin/eyes. Use only in well-ventilated areas.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated area. Protect from heat and light.

Section 8: Exposure Controls / Personal Protection

- Exposure Limits: ACGIH TLV: Not established
- Engineering Controls: Ensure adequate ventilation and fume hood.
- Personal Protective Equipment: Gloves, protective goggles, lab coat.

Section 9: Physical and Chemical Properties

• Appearance: Colorless liquid

• Odor: Mild, aromatic odor

• Boiling Point: 205 °C

• Melting Point: -15 °C

Flash Point: 93 °C (closed cup)

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- Solubility: Slightly soluble in water; soluble in alcohol and organic solvents
- Molecular Weight: 108.14 g/mol

Section 10: Stability and Reactivity

- Stability: Stable under recommended storage 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: Harmful if swallowed. Causes eye irritation. May cause skin irritation.
- **Chronic Effects:** Prolonged or repeated exposure may cause damage to the liver, kidneys, and central nervous system.

Section 12: Ecological Information

- **Ecotoxicity:** Harmful to aquatic life with long-lasting effects.
- Persistence and Degradability: Expected to be biodegradable.
- Bioaccumulative Potential: Low to moderate potential for bioaccumulation.
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Section 13: Disposal Considerations

• Dispose of contents/container in accordance with local/regional/national regulations. Avoid release into the environment.

Section 14: Transport Information

• UN Number: Not regulated

• Proper Shipping Name: Benzyl Alcohol

• Hazard Class: Not classified as dangerous goods

• Packing Group: Not applicable

Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and international inventories (TSCA, EINECS, etc.).
- Classified as hazardous substance under GHS.

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Section 16: Other Information

- Prepared By: Triveni Chemicals, Regulatory Affairs Department
- **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.



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