

## Material Safety Data Sheet (MSDS)

### 2-Phenylethanol

**Prepared by:** Triveni Chemicals

**Revision Date:** 28-August-2025

**Version:** 1.0

### Section 1: Product Identification

- **Product Name:** 2-Phenylethanol
- **Chemical Formula:** C<sub>8</sub>H<sub>10</sub>O
- **CAS No:** 60-12-8
- **Recommended Use:** Used in perfumery, flavoring, and as an intermediate in organic synthesis.
- **Supplier:**  
**Triveni Chemicals**  
Office No. 123-124, Pancharatna,  
Char Rasta, GIDC,  
Vapi - 396195, Gujarat, India  
☎ +91-9696960250  
✉ info@trivenichemical.com

## Section 2: Hazards Identification

- **Classification (GHS):** Eye Irritant (Category 2B).
- **Signal Word:** Warning
- **Hazard Statements:**
  - Causes eye irritation
- **Precautionary Statements:**
  - Avoid contact with eyes
  - Wash thoroughly after handling
  - Wear protective eyewear

## Section 3: Composition / Information on Ingredients

- **Chemical Name:** 2-Phenylethanol
- **Synonyms:** Phenethyl alcohol, Benzeneethanol
- **CAS Number:** 60-12-8
- **Concentration:** >99%

## Section 4: First Aid Measures

- **Inhalation:** Remove to fresh air. Seek medical attention if symptoms occur.

- **Skin Contact:** Wash with soap and water. Seek medical advice if irritation persists.
- **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 if discomfort occurs.

## Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, carbon dioxide (CO<sub>2</sub>).
- **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 skin/eye contact. 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.

## 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, and well-ventilated area. Protect from heat and light.

## Section 8: Exposure Controls / Personal Protection

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

## Section 9: Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor:** Mild, rose-like odor
- **Boiling Point:** 219 °C
- **Melting Point:** -27 °C
- **Flash Point:** 102 °C (closed cup)
- **Solubility:** Slightly soluble in water; soluble in alcohol and organic solvents

- **Molecular Weight:** 122.16 g/mol

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## Section 10: Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides.

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## Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin, and eye contact.
- **Acute Effects:** Causes eye irritation. May cause mild respiratory and skin irritation.
- **Chronic Effects:** Prolonged exposure may cause dermatitis.

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## Section 12: Ecological Information

- **Ecotoxicity:** Not expected to be highly toxic to aquatic life.
- **Persistence and Degradability:** Expected to be biodegradable.
- **Bioaccumulative Potential:** Low potential for bioaccumulation.

## 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:** 2-Phenylethanol
- **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.

## 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.

+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

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