

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)

## **Phenylacetic Acid**

Revision Date: 22-September-2025

Version: 1.0

#### Section 1: Product Identification

• Product Name: Phenylacetic Acid

• Chemical Formula: C8H8O2

• CAS No: 103-82-2

• Synonyms: Benzeneacetic acid; α-Toluic acid; PAA

• **Recommended Use:** Laboratory chemical, pharmaceutical intermediate, fragrance chemical.

#### Section 2: Hazards Identification

- Classification (GHS): Irritant Skin irritation (Category 2); Eye irritation (Category 2A).
- Signal Word: Warning
- Hazard Statements:
- Causes skin irritation

- © +91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618
- info@triveniinterchem.com | info@trivenichemical.com

  info@triven
- www.triveniinterchem.com | www.trivenichemical.com
- 🔾 135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India





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- Causes serious eye irritation
- Precautionary Statements:
  - Wash thoroughly after handling
  - 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: 100%

#### Section 4: First Aid Measures

- Inhalation: Remove to fresh air. If symptoms occur, seek medical advice.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation develops.
- Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek medical advice if irritation persists.
- Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention if unwell.

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### Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media**: Water spray, alcohol-resistant foam, dry chemical, carbon dioxide.
- 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 personal protective equipment. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.
- Environmental Precautions: Prevent entry into drains and waterways.
- Cleanup Methods: Sweep up and place in suitable container for disposal. Avoid raising dust.

## Section 7: Handling and Storage

- **Handling:** Avoid breathing dust. Avoid contact with skin and eyes. Provide appropriate exhaust ventilation.
- Storage: Store in a cool, dry, well-ventilated place. Keep container tightly closed.

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## Section 8: Exposure Controls / Personal Protection

- Exposure Limits: No occupational exposure limits established.
- Engineering Controls: Provide adequate ventilation; use local exhaust if dust generated.
- **Personal Protective Equipment**: Chemical-resistant gloves, safety goggles, protective clothing; dust respirator if needed.

### Section 9: Physical and Chemical Properties

• Appearance: White to off-white crystalline solid

• Odor: Stench

• Boiling Point: 265 °C (decomposes)

• Flash Point: 132 °C

• Solubility: Slightly soluble in water; soluble in ethanol, ether, chloroform

• Molecular Weight: 136.15 g/mol

## Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions.
- Incompatible Materials: Strong oxidizing agents, strong bases.
- Hazardous Decomposition Products: Carbon oxides under fire conditions.

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## Section 11: Toxicological Information

- Routes of Exposure: Inhalation, ingestion, skin and eye contact.
- Acute Effects: Causes skin and eye irritation; may cause respiratory irritation.
- Chronic Effects: Prolonged or repeated exposure may cause dermatitis. No evidence of carcinogenicity.

## Section 12: Ecological Information

- Ecotoxicity: Harmful to aquatic life in high concentrations.
- Persistence and Degradability: Expected to be biodegradable.
- Bioaccumulative Potential: Low potential.

# Section 13: Disposal Considerations

• Dispose of contents/container in accordance with local/regional/national regulations. Do not release into the environment.

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## Section 14: Transport Information

• UN Number: Not regulated

• Proper Shipping Name: Phenylacetic Acid

• Hazard Class: Not classified as dangerous goods

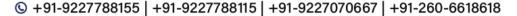
• Packing Group: Not applicable

## Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and listed under international chemical inventories (TSCA, EINECS, etc.).
- 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.



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