

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)

## **3-Hydroxyacetophenone**

Revision Date: 23-September-2025

Version: 1.0

### Section 1: Product Identification

• **Product Name:** 3-Hydroxyacetophenone

• Chemical Formula: C8H8O2

• CAS No: 121-71-1

• **Synonyms:** m-Hydroxyacetophenone; m-Acetylphenol

Recommended Use: Laboratory chemical; pharmaceutical and fragrance intermediate.

### Section 2: Hazards Identification

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



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

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### Section 5: Fire-Fighting Measures

- Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide (CO2); water spray.
- 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 breathing dust or vapors. Ensure adequate ventilation.
- Environmental Precautions: Prevent entry into drains and waterways.
- Cleanup Methods: Sweep up and place in suitable container for disposal. Avoid dust generation.

## Section 7: Handling and Storage

- **Handling:** Avoid inhalation of vapors or dust and contact with skin/eyes. Use with adequate ventilation.
- **Storage:** Keep container tightly closed. Store in a cool, dry, well-ventilated place away from heat and oxidizing agents.

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## Section 8: Exposure Controls / Personal Protection

- Exposure Limits: Not established (refer to local occupational exposure guidelines).
- Engineering Controls: Provide adequate ventilation and local exhaust if needed.
- **Personal Protective Equipment:** Chemical-resistant gloves, safety goggles, protective clothing. Respirator if ventilation is inadequate.

### Section 9: Physical and Chemical Properties

• Appearance: White to off-white crystalline solid

• Odor: Mild, characteristic odor

• Boiling Point: 296 °C

• Flash Point: 119,6 °C (closed cup)

• Solubility: Slightly soluble in water; soluble in ethanol and organic solvents

• Molecular Weight: 136.15 g/mol

## Section 10: Stability and Reactivity

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

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## Section 11: Toxicological Information

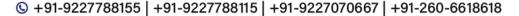
- Routes of Exposure: Inhalation, ingestion, skin and eye contact.
- Acute Effects: Causes skin and eye irritation; may cause respiratory irritation.
- **Chronic Effects:** Prolonged or repeated exposure may cause dermatitis; no evidence of carcinogenicity.

## Section 12: Ecological Information

- Ecotoxicity: May be 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: 3-Hydroxyacetophenone

• 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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