

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)

1-Acetonaphthone

Revision Date: 22-September-2025

Version: 1.0

Section 1: Product Identification

• Product Name: 1-Acetonaphthone

• Chemical Formula: C12H10O

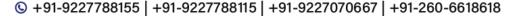
• CAS No: 941-98-0

• Synonyms: 1-Acetylnaphthalene; Methyl 1-naphthyl ketone

Recommended Use Laboratory chemical; intermediate in synthesis

Section 2: Hazards Identification

- Classification (GHS): Acute Toxicity Oral (Category 4), Aquatic Chronic (Category 3).
- Signal Word: Warning
- Hazard Statements:
 - Harmful if swallowed



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- Harmful to aquatic life with long lasting effects
- Precautionary Statements:
 - Wash hands thoroughly after handling
 - Do not eat, drink or smoke when using this product
 - Avoid release to the environment

Section 3: Composition / Information on Ingredients

• Concentration: ≥95%

Section 4: First Aid Measures

- Inhalation: Move to fresh air. If breathing is difficult, seek medical attention.
- Skin Contact: Wash with plenty of water and soap. Remove contaminated clothing.
- Eye Contact: Rinse cautiously with water for several minutes. Seek medical advice 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).

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- Specific Hazards: Combustible; 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 inhalation and contact with skin and eyes.
- Environmental Precautions: Prevent entry into drains and waterways.
- Cleanup Methods: Absorb with inert material (sand, earth). Collect in suitable container for proper disposal.

Section 7: Handling and Storage

- **Handling:** Avoid inhalation of vapors and contact with skin/eyes. Use only with adequate ventilation.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place. Keep away from oxidizers.

Section 8: Exposure Controls / Personal Protection

• Exposure Limits: Not established.

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- Engineering Controls: Ensure adequate ventilation and local exhaust systems.
- Personal Protective Equipment: Gloves, protective goggles, lab coat, respirator if needed.

Section 9: Physical and Chemical Properties

• Appearance: Light yellow liquid

• Odor: Aromatic odor

• Boiling Point: 298-302 °C

• Flash Point: 110 °C (closed cup)

• Solubility: Practically insoluble in water, soluble in organic solvents

• Molecular Weight: 170.21 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: Harmful if swallowed; may cause skin and eye irritation.
- Chronic Effects: Prolonged exposure may cause dermatitis or systemic effects.

Section 12: Ecological Information

- Ecotoxicity: Harmful to aquatic life with long lasting effects.
- Persistence and Degradability: Expected to degrade under environmental conditions.
- Bioaccumulative Potential: Moderate potential.

Section 13: Disposal Considerations

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

Section 14: Transport Information

• UN Number: Not regulated

Proper Shipping Name: 1-Acetonaphthone

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- 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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