

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

+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

GROUP OF Triveni CHEMICALS

- 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:** $\geq 95\%$

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).

- **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.

- **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.

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

- **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.