

Material Safety Data Sheet (MSDS)

Hydratropic Aldehyde

Revision Date: 01-October-2025

Version: 1.0

Section 1: Product Identification

- **Product Name:** Hydratropic Aldehyde
- **Chemical Name:** 2-Phenylpropanal
- **Chemical Formula:** C₉H₁₀O
- **CAS No:** 93-53-8
- **Synonyms:** α-Methylhydrocinnamaldehyde, 2-Phenylpropan-1-al
- **Recommended Use:** Fragrance ingredient, perfumery, and flavor applications.

Section 2: Hazards Identification

- **Classification (GHS):** Skin Irritant; Eye Irritant; Skin Sensitizer; Aquatic Chronic Hazard.
- **Signal Word:** Warning
- **Hazard Statements:**
 - Causes skin irritation
 - Causes serious eye irritation
 - May cause allergic skin reaction
 - Harmful to aquatic life with long lasting effects
- **Precautionary Statements:**

+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

- Avoid breathing vapors
- Wear protective gloves/eye protection
- Wash hands thoroughly after handling
- Contaminated work clothing should not be allowed out of the workplace
- Avoid release to the environment; collect spillage
- **IF ON SKIN:** Wash with plenty of soap and water; if irritation or rash occurs: Get medical advice/attention
- **IF IN EYES:** Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing

Section 3: Composition / Information on Ingredients

- **Purity:** 95%

Section 4: First Aid Measures

- **Inhalation:** Remove person to fresh air and keep comfortable. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation or rash develops.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek immediate medical advice.

Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, carbon dioxide (CO₂).
- **Specific Hazards:** Combustible liquid; emits carbon oxides under fire conditions.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid inhalation and contact with skin/eyes. Ensure adequate ventilation. Remove ignition sources.
- **Environmental Precautions:** Prevent entry into drains and waterways.
- **Cleanup Methods:** Absorb with inert material (sand/earth). Collect in suitable containers for proper disposal. Wash spill area with detergent and water.

Section 7: Handling and Storage

- **Handling:** Avoid inhalation and direct contact. Use only in well-ventilated areas. Do not eat, drink, or smoke when using this product.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place away from heat, sparks, and oxidizing agents.

Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** Not specifically established for Hydratropic Aldehyde.
- **Engineering Controls:** Ensure adequate ventilation and local exhaust.
- **Personal Protective Equipment:** Safety goggles, chemical-resistant gloves, protective clothing, and respiratory protection if exposure exceeds limits.

Section 9: Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor:** Floral, sweet odor
- **Boiling Point:** 92 - 94 °C
- **Flash Point:** 79 °C
- **Solubility:** Slightly soluble in water; soluble in ethanol and organic solvents
- **Molecular Weight:** 134.18 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.
- **Conditions to Avoid:** Heat, sparks, open flames, prolonged exposure to air.

Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin and eye contact.
- **Acute Effects:** Causes skin and eye irritation; may cause allergic skin reaction.
- **Chronic Effects:** Prolonged exposure may cause dermatitis and systemic effects.

Section 12: Ecological Information

- **Ecotoxicity:** Harmful to aquatic life with long lasting effects.
- **Persistence/Degradability:** Expected to be biodegradable under normal conditions.
- **Bioaccumulative Potential:** Moderate potential for bioaccumulation.
- **Mobility in Soil:** Low mobility in soil due to hydrophobicity.

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:** Hydratropic Aldehyde
- **Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable

Section 15: Regulatory Information

- Complies with Indian chemical safety regulations. Listed under international chemical inventories where applicable.
- Classified as hazardous substance as per GHS.

Section 16: Other Information

Disclaimer: The information provided is believed to be accurate and reliable but does not claim to be exhaustive. Users are responsible for determining suitability under actual conditions of use. Triveni Chemicals disclaims any liability for damage resulting from handling or contact with the product.