Material Safety Data Sheet (MSDS)

Hydroxy Citronellol

Revision Date: 01-October-2025

Version: 1.0

Section 1: Product Identification

- **Product Name:** Hydroxy Citronellol
- **Chemical Name:** 3,7-Dimethyl-7-hydroxyoctan-1-ol
- **Chemical Formula:** C10H20O2
- **CAS No:** 107-74-4
- **Synonyms:** 7-Hydroxy-3,7-dimethyloctan-1-ol
- **Recommended Use:** Widely used as a fragrance ingredient in perfumery, cosmetics, and personal care products.

Section 2: Hazards Identification

- **Classification (GHS):** Skin Irritant; Eye Irritant; Skin Sensitizer
- **Signal Word:** Warning
- **Hazard Statements:**
  - Causes skin irritation
  - Causes serious eye irritation
  - May cause an allergic skin reaction
- **Precautionary Statements:**

- Avoid breathing vapors
- Wear protective gloves/eye protection
- Wash thoroughly after handling
- Contaminated clothing should not be taken out of the workplace
- **IF ON SKIN:** Wash with plenty of 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

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Section 3: Composition / Information on Ingredients

- **Purity:** 95%

Section 4: First Aid Measures

- **Inhalation:** Remove person to fresh air and keep at rest. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing and wash before reuse. If irritation occurs, seek medical advice.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing and seek medical attention.
- **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 (CO_2).
- **Specific Hazards:** Combustible liquid; combustion produces carbon oxides and irritating fumes.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective gear.

Section 6: Accidental Release Measures

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

Section 7: Handling and Storage

- **Handling**: Avoid contact with skin and eyes. Avoid inhalation of vapors. Use in well-ventilated areas. Do not eat, drink, or smoke while handling.
- **Storage:** Store in tightly closed containers in a cool, dry, and well-ventilated area away from heat and oxidizing agents.

Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** No occupational exposure limits established.
- **Engineering Controls:** Ensure adequate ventilation or local exhaust.
- **Personal Protective Equipment:** Safety goggles, chemical-resistant gloves, protective clothing. Respiratory protection if ventilation is inadequate.

Section 9: Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor**: Mild, floral odor
- **Boiling Point:** 280 °C
- **Flash Point**: 126 °C (closed cup)
- **Solubility:** Slightly soluble in water; soluble in alcohol and most organic solvents
- **Molecular Weight:** 172.27 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, flames, and 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 sensitization by skin contact.
- **Chronic Effects:** Prolonged or repeated exposure may cause dermatitis.

Section 12: Ecological Information

- **Ecotoxicity:** Harmful to aquatic organisms with long lasting effects.
- **Persistence/Degradability:** Expected to be biodegradable.
- **Bioaccumulative Potential:** Low to moderate potential.
- **Mobility in Soil:** Low mobility due to hydrophobic nature.

Section 13: Disposal Considerations

- Dispose of contents/container in accordance with local, regional, and national regulations. Avoid release into the environment.

Section 14: Transport Information

- **UN Number**: Not regulated
- **Proper Shipping Name:** Hydroxy Citronellol
- **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 under GHS as hazardous substance.

Section 16: Other Information

Disclaimer: The information provided is believed to be accurate and reliable but is not exhaustive. Users must determine suitability for their applications. Triveni Chemicals disclaims liability for damage resulting from handling or contact with the product.