

## Material Safety Data Sheet (MSDS)

### Hydroxycitronellal

**CAS Number:** 107-75-5

**Prepared by:** Triveni Chemicals

**Revision Date:** 25-June-2025

**Version:** 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**Product Name:** Hydroxycitronellal

**Synonyms:** 7-Hydroxy-3,7-dimethyloctanal

**Recommended Use:** Fragrance ingredient

#### Supplier:

##### Triveni Chemicals

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## SECTION 2: Hazards Identification

### GHS Classification:

- Skin sensitization (Category 1), H317
- Eye irritation (Category 2A), H319

**Signal Word:** *Warning*

### Hazard Statements:

- H317: May cause an allergic skin reaction
- H319: Causes serious eye irritation

### Precautionary Statements:

- P261: Avoid breathing vapors
- P272: Contaminated work clothing should not be allowed out of the workplace
- P280: Wear protective gloves/eye protection
- P302+P352: IF ON SKIN: Wash with plenty of soap and water
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention

## SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Content
Hydroxycitronellal	107-75-5	≥98%

## SECTION 4: First-Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms develop.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice.

## SECTION 5: Firefighting Measures

**Suitable Extinguishing Media:** Dry chemical, foam, carbon dioxide

**Specific Hazards:** May form combustible vapors under fire conditions

**Protective Equipment:** Use SCBA and protective gear

## SECTION 6: Accidental Release Measures

**Personal Precautions:** Wear protective gloves, goggles. Provide adequate ventilation.

**Environmental Precautions:** Prevent release to drains or surface water

**Cleanup Methods:** Absorb on inert material and dispose according to local regulations

## SECTION 7: Handling and Storage

**Handling:** Avoid contact with skin and eyes. Use in well-ventilated areas.

**Storage:** Store tightly closed in a cool, dry, well-ventilated place away from ignition sources

## SECTION 8: Exposure Controls / Personal Protection

**Exposure Limits:** Not established

**Engineering Controls:** Local exhaust ventilation recommended

**Personal Protective Equipment (PPE):**

- Protective gloves

- Safety goggles
- Protective clothing

## SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	liquid
Odor	Floral, lily-like
Boiling Point	~257 °C
Melting Point	Not determined
Flash Point	Not determined
Autoignition Temperature	Not determined
Density	~0.98 g/cm <sup>3</sup>
Solubility	Not determined

## SECTION 10: Stability and Reactivity

**Stability:** Stable under normal conditions

**Incompatibility:** Strong oxidizers

**Decomposition Products:** Carbon monoxide, carbon dioxide

**Reactivity:** No hazardous polymerization expected

## SECTION 11: Toxicological Information

- **Oral LD<sub>50</sub> (Rat):** >4000 mg/kg
- **Skin Effects:** May cause allergic reaction
- **Eye Effects:** Causes irritation
- **Respiratory Effects:** Vapors may cause mild irritation

## SECTION 12: Ecological Information

- **Biodegradability:** Expected to be readily biodegradable
- **Aquatic Toxicity:** Low hazard to aquatic life
- **Bioaccumulation:** Low potential

## SECTION 13: Disposal Considerations

Dispose of product and container in accordance with local and national regulations.  
Avoid release to the environment.

## SECTION 14: Transport Information

- **UN Number:** Not regulated
- **Proper Shipping Name:** Hydroxycitronellal
- **Hazard Class:** Not applicable
- **Packing Group:** Not applicable

## SECTION 15: Regulatory Information

- TSCA listed (US)
- Complies with MSIHC Rules (India)
- Not listed under REACH SVHC

## SECTION 16: Other Information

**Prepared By: Triveni Chemicals, Regulatory Affairs Department**

**Disclaimer:**

The information above is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under their actual conditions of use. **Triveni Chemicals** disclaims any liability for damage resulting from handling or contact.