

## Material Safety Data Sheet (MSDS)

### Melonal

Revision Date: 22-September-2025

Version: 1.0

### Section 1: Product Identification

- **Product Name:** Melonal
- **Chemical Formula:** C<sub>10</sub>H<sub>18</sub>O
- **CAS No:** 106-72-9
- **Synonyms:** 2,6-Dimethyl-5-heptenal
- **Recommended Use** Used as fragrance ingredient in perfumery, cosmetics, and household products.

### Section 2: Hazards Identification

- **Classification (GHS):** Skin Irritant (Category 2), Eye Irritant (Category 2A), Skin Sensitizer (Category 1).
- **Signal Word:** Warning
- **Hazard 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

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- Causes skin irritation
- Causes serious eye irritation
- May cause allergic skin reaction

• **Precautionary Statements:**

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection
- Wash hands thoroughly after handling
- Avoid breathing vapors

## Section 3: Composition / Information on Ingredients

- **Chemical Name:** Melonal
- **CAS No:** 106-72-9
- **Concentration:**  $\geq 95\%$

## Section 4: First Aid Measures

- **Inhalation:** Move to fresh air. If symptoms persist, seek medical advice.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical attention if irritation persists.

- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice if unwell.

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## Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, carbon dioxide (CO<sub>2</sub>).
- **Specific Hazards:** Emits toxic fumes of carbon oxides under fire conditions.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

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## Section 6: Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment. Avoid inhalation and skin/eye contact. Ensure adequate ventilation.
- **Environmental Precautions:** Prevent entry into drains and waterways.
- **Cleanup Methods:** Absorb with inert material (sand, earth). Collect in suitable container for proper disposal.

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## Section 7: Handling and Storage

- **Handling:** Avoid inhalation of vapors and contact with skin/eyes. Use in well-ventilated areas.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place. Protect from heat and light.

## Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** Not established for this substance.
- **Engineering Controls:** Ensure adequate ventilation and local exhaust systems.
- **Personal Protective Equipment:** Gloves, protective goggles, lab coat, respirator if exposure limits are exceeded.

## Section 9: Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor:** Fresh, melon-like odor
- **Boiling Point:** 181 °C
- **Flash Point:** 62 °C (closed cup)
- **Solubility:** Insoluble in water; soluble in ethanol and organic solvents
- **Molecular Weight:** 154.25 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.

## Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin and eye contact.
- **Acute Effects:** May cause skin and eye irritation.
- **Sensitization:** May cause allergic skin reaction.
- **Carcinogenicity:** Not classified as carcinogen.

## Section 12: Ecological Information

- **Ecotoxicity:** Harmful to aquatic organisms with long lasting effects.
- **Persistence and Degradability:** Expected to be biodegradable under normal conditions.
- **Bioaccumulative Potential:** Low to 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:** Melonal
- **Hazard Class:** Not classified as dangerous goods

- **Packing Group:** Not applicable

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## Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and listed under international chemical inventories.
- Classified as hazardous substance as per GHS.

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## 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.