

CHEMICAL WITHOUT BORDERS-POWERED BY INDIA

CIN No.: U24100GJ2010PTC060594 GST No.: 24AADCT5202F1ZU

MSME No: UDYAM-GJ-25-0009026

ISO 9001:2015 | QMS/NAB-C21601/1645

# Material Safety Data Sheet (MSDS)

# **Orange Aldehyde**

Revision Date: 21-September-2025

Version: 1.0

#### Section 1: Product Identification

• Product Name: Orange Aldehyde

• Chemical Formula: C10H16O

• CAS No: N/A

• Synonyms: N/A

• Recommended Use: Fragrance ingredient in perfumery and consumer products

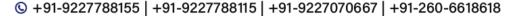
#### Section 2: Hazards Identification

• Classification (GHS): Flammable Liquid, Skin Irritant, Eye Irritant

• Signal Word: Warning

• Hazard Statements:

- Combustible liquid



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- Causes skin irritation
- Causes serious eye irritation
- Precautionary Statements:
  - Keep away from flames and hot surfaces
  - Avoid contact with skin and eyes
  - Wear protective gloves and eye protection
  - Wash hands thoroughly after handling

# Section 3: Composition / Information on Ingredients

• Concentration: >95% Orange Aldehyde

#### Section 4: First Aid Measures

- Inhalation: Remove victim to fresh air. Seek medical advice if symptoms occur.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation persists.
- Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation continues.
- Ingestion: Rinse mouth. Do not induce vomiting. Seek immediate medical advice.

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### Section 5: Fire-Fighting Measures

- Suitable Extinguishing Media: Foam, dry chemical, carbon dioxide (CO2), water spray.
- Specific Hazards: Combustible; 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:** Remove ignition sources. Use protective equipment. Avoid inhalation of vapors and contact with skin/eyes.
- Environmental Precautions: Prevent entry into drains and waterways.
- Cleanup Methods: Absorb with inert material (sand, earth). Collect in suitable container for disposal.

# Section 7: Handling and Storage

- **Handling:** Handle in well-ventilated areas. Avoid contact with skin and eyes. Keep away from flames and hot surfaces.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated area away from heat and oxidizing agents.

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# Section 8: Exposure Controls / Personal Protection

- Exposure Limits: Not established for Orange Aldehyde.
- Engineering Controls: Ensure adequate ventilation and explosion-proof equipment.
- **Personal Protective Equipment:** Protective gloves, goggles, protective clothing. Respiratory protection if vapors exceed limits.

### Section 9: Physical and Chemical Properties

• Appearance: Colorless to pale yellow liquid

• Odor: Citrus-like, aldehydic odor

• Boiling Point: 207 °C

• Flash Point: 75 °C (closed cup)

• Solubility: Slightly soluble in water, soluble in organic solvents

• Molecular Weight: 152.23 g/mol

# Section 10: Stability and Reactivity

- Stability: Stable under normal handling and storage conditions.
- Incompatible Materials: Strong oxidizing agents.
- Hazardous Decomposition Products: Carbon oxides under fire conditions.

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# Section 11: Toxicological Information

- Routes of Exposure: Inhalation, ingestion, skin and eye contact.
- Acute Effects: Causes skin and eye irritation. May cause respiratory irritation.
- Chronic Effects: Prolonged or repeated contact may cause dermatitis.

# 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 for bioaccumulation.

# Section 13: Disposal Considerations

- Dispose of contents/container in accordance with local/regional/national regulations.
- Do not discharge into the environment.

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# Section 14: Transport Information

• UN Number: Not regulated

• Proper Shipping Name: Orange Aldehyde

• Hazard Class: Not classified as dangerous goods

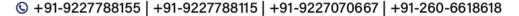
Packing Group: Not applicable

# Section 15: Regulatory Information

• Complies with Indian chemical safety regulations and international chemical inventory listings.

#### 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.
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