

Material Safety Data Sheet (MSDS)

2,4-Decadienal

Revision Date: 22-September-2025

Version: 1.0

Section 1: Product Identification

- **Product Name:** 2,4-Decadienal
- **Chemical Formula:** C₁₀H₁₆O
- **CAS No:** 2363-88-4
- **Synonyms:** trans,trans-2,4-Decadienal; E,E-2,4-Decadienal; Deca-2,4-dienal
- **Recommended Use:** Flavor and fragrance ingredient; laboratory chemical/intermediate.

Section 2: Hazards Identification

- **Classification (GHS):** Skin irritation, Eye irritation, Acute toxicity, Oral.
- **Signal Word:** Warning
- **Hazard Statements:**
 - Harmful if swallowed

☎ +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

- Causes skin and eye irritation

• **Precautionary Statements:**

- Wash hands thoroughly after handling

- Wear protective gloves/eye protection

- If swallowed: Call a poison center/doctor if you feel unwell

Section 3: Composition / Information on Ingredients

• **Concentration:** 100%

Section 4: First Aid Measures

• **Inhalation:** Remove to fresh air. If symptoms persist, seek medical attention.

• **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. Continue rinsing.

• **Ingestion:** Rinse mouth. Do NOT induce vomiting. Seek medical advice immediately.

Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, foam, carbon dioxide (CO₂), water spray for cooling.
- **Specific Hazards:** Combustible liquid; vapors may form explosive mixtures with air; combustion may produce carbon oxides.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

- **Personal Precautions:** Eliminate ignition sources. Use personal protective equipment. Ensure adequate ventilation.
- **Environmental Precautions:** Prevent entry into drains and waterways.
- **Cleanup Methods:** Absorb with inert material (sand, earth). Collect into suitable container for disposal.

Section 7: Handling and Storage

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

Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** No occupational exposure limits established.
- **Engineering Controls:** Provide adequate ventilation; use local exhaust if necessary.
- **Personal Protective Equipment:** Chemical-resistant gloves, safety goggles, lab coat; respirator if ventilation is inadequate.

Section 9: Physical and Chemical Properties

- **Appearance:** Pale yellow to yellow liquid
- **Odor:** Fatty, green, citrus-like odor
- **Boiling Point:** 208 °C
- **Flash Point:** 85 °C (closed cup)
- **Solubility:** Insoluble in water, soluble in ethanol and organic solvents
- **Molecular Weight:** 152.23 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:** Harmful if swallowed; causes skin and eye irritation.
- **Chronic Effects:** Prolonged or repeated exposure may cause dermatitis.

Section 12: Ecological Information

- **Ecotoxicity:** Harmful to aquatic life; avoid uncontrolled release.
- **Persistence and Degradability:** Expected to be biodegradable.
- **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:** 2,4-Decadienal
- **Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable

Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and listed under international chemical inventories (TSCA, EINECS, etc.).
- Classified as hazardous substance as per GHS.

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.