

Material Safety Data Sheet (MSDS)

Oxanthia 50% TEC

Revision Date: 30-October-2025

Version: 1.0

Section 1: Product Identification

- **Product Name:** Oxanthia 50% TEC
- **Chemical Formula:** C₈H₁₆OS
- **CAS No:** NA
- **Synonyms:** Cis-2-Methyl-4-Propyl-1,3-Oxathiane, Oxane 50 TEC
- **Recommended Use:** Used as a fragrance ingredient in fine perfumes, personal care, and home care formulations.

Section 2: Hazards Identification

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

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- Causes skin irritation.
- Causes serious eye irritation.
- **Precautionary Statements:**
 - Avoid contact with skin and eyes.
 - Wear protective gloves, protective clothing, and eye protection.
 - Wash hands thoroughly after handling.

Section 3: Composition / Information on Ingredients

- **Substance:** Oxanthia 50% TEC
- **Composition:** Proprietary fragrance blend
- **Impurities:** None known to significantly affect classification.

Section 4: First Aid Measures

- **Inhalation:** Move person to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash thoroughly with 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 immediate medical attention.

Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Carbon dioxide, dry chemical, foam, or water spray.
- **Specific Hazards:** Emits carbon oxides and irritant fumes under fire conditions.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid inhalation and contact with skin or eyes. Use appropriate PPE.
- **Environmental Precautions:** Prevent contamination of soil and waterways.
- **Cleanup Methods:** Absorb with inert material (sand, vermiculite) and place in containers for disposal.

Section 7: Handling and Storage

- **Handling:** Handle in accordance with good industrial hygiene practices. Avoid inhalation and contact with skin or eyes.
- **Storage:** Store tightly closed in a cool, dry, and well-ventilated place away from heat, sparks, and open flames.

Section 8: Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** Not established.
- **Engineering Controls:** Provide adequate local exhaust ventilation.
- **PPE:** Use gloves, protective goggles, lab coat, and respirator where exposure limits are likely to be exceeded.

Section 9: Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor:** Powerful, diffusive, and sulfurous
- **Boiling Point:** 220 °C
- **Flash Point:** 74 °C
- **Solubility:** Insoluble in water; soluble in ethanol and organic solvents
- **Molecular Weight:** 160.28 g/mol

Section 10: Stability and Reactivity

- **Stability:** Stable under normal storage and use conditions.

- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides and other harmful gases under fire conditions.

Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin and eye contact.
- **Acute Toxicity:** Expected to be of low acute toxicity.
- **Irritation:** Causes skin and eye irritation.
- **Sensitization:** May cause allergic skin reaction in sensitive individuals.
- **Chronic Effects:** Prolonged or repeated contact may cause dermatitis.

Section 12: Ecological Information

- **Ecotoxicity:** Not classified as hazardous to the environment.
- **Persistence and Degradability:** Expected to be readily biodegradable.
- **Bioaccumulative Potential:** Low.
- **Mobility in Soil:** Low due to hydrophobic nature of the components.

Section 13: Disposal Considerations

- Dispose of product and container in accordance with local, regional, and national regulations.
- Avoid discharge into the environment.

Section 14: Transport Information

- **UN Number:** Not regulated
- **Proper Shipping Name:** Oxanthia 50% TEC
- **Transport Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable

Section 15: Regulatory Information

- The product complies with applicable chemical safety and inventory regulations (TSCA, REACH, etc.).
- Classified as hazardous under GHS for skin and eye irritation.

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.

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