

## Material Safety Data Sheet (MSDS)

### Ethyl Maltol

**CAS Number:** 4940-11-8

**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:** Ethyl Maltol
- **Synonyms:** 2-Ethyl-3-hydroxy-4-pyrone
- **Recommended Use:** Laboratory chemicals, flavoring agent, fragrance
- **Supplier:**  
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## SECTION 2: Hazards Identification

- **GHS Classification:**
  - Eye irritation (Category 2A), H319
- **Signal Word:** Warning
- **Hazard Statements:**
  - H319: Causes serious eye irritation
- **Precautionary Statements:**
  - P264: Wash hands thoroughly after handling
  - P280: Wear protective gloves/protective clothing/eye protection/face protection
  - P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
  - P337+P313: If eye irritation persists: Get medical advice/attention
  - P501: Dispose of contents/container in accordance with local/regional/national/international regulations

## SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Concentration
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Ethyl Maltol	4940-11-8	≥99%
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## SECTION 4: First Aid Measures

- **Inhalation:** Move to fresh air. If symptoms occur, seek medical advice.
- **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical advice if irritation develops.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice if irritation persists.
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Seek medical attention if feeling unwell.

## SECTION 5: Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>).
- **Specific Hazards:** Combustible solid; dust may form explosive mixtures in air.
- **Protective Equipment:** Wear self-contained breathing apparatus and full protective gear.

## SECTION 6: Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Ensure adequate ventilation. Wear personal protective equipment.



- **Environmental Precautions:** Prevent entry into drains or water courses.
- **Methods for Cleaning Up:** Sweep up, place in suitable container for disposal, avoid dust generation. Dispose of in accordance with local regulations.

## SECTION 7: Handling and Storage

- **Handling:** Avoid dust formation. Avoid breathing dust. Provide adequate ventilation.
- **Storage:** Store in a cool, dry, well-ventilated area. Keep container tightly closed.

## SECTION 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Provide adequate local exhaust ventilation to control dust.
- **Personal Protective Equipment:**
  - **Eye/Face Protection:** Safety goggles
  - **Skin Protection:** Protective gloves and clothing
  - **Respiratory Protection:** Dust respirator if ventilation is insufficient
  - **Hygiene Measures:** Wash hands and face after handling. Do not eat, drink, or smoke while working with this material.



## SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	solid
Odor	Sweet, caramel-like
Density	Not determined
Melting Point	89–92 °C
Boiling Point	Not available
Flash Point	Not applicable (solid)
Solubility in Water	Slightly soluble
Partition Coefficient (n-octanol/water)	Not available
Autoignition Temperature	Not available

## SECTION 10: Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Heat, sparks, open flames, strong oxidizers.
- **Incompatible Materials:** Strong oxidizing agents



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

## SECTION 11: Toxicological Information

- **Acute Toxicity:**
  - Oral LD<sub>50</sub> (Rat): >5000 mg/kg (estimated)
- **Skin Corrosion/Irritation:** Not classified
- **Serious Eye Damage/Irritation:** Causes serious eye irritation
- **Respiratory or Skin Sensitization:** Not classified
- **Germ Cell Mutagenicity:** Not classified
- **Carcinogenicity:** Not classified
- **Reproductive Toxicity:** Not classified
- **Specific Target Organ Toxicity – Single Exposure:** Not classified
- **Specific Target Organ Toxicity – Repeated Exposure:** Not classified
- **Aspiration Hazard:** Not classified

## SECTION 12: Ecological Information

- **Aquatic Toxicity:** Not classified as hazardous
- **Persistence and Degradability:** Expected to be readily biodegradable
- **Bioaccumulative Potential:** Low
- **Mobility in Soil:** Low
- **Other Adverse Effects:** Avoid uncontrolled release into the environment



## SECTION 13: Disposal Considerations

Dispose of contents/container in accordance with local, regional, national, or international regulations. Avoid release to the environment.

## SECTION 14: Transport Information

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not applicable
- **Transport Hazard Class:** Not applicable
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not applicable
- **Special Precautions for User:** None

## SECTION 15: Regulatory Information

- **Safety, Health, and Environmental Regulations:**
  - Listed on TSCA (USA), EINECS/ELINCS (EU)
  - 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.