



SAFETY DATA SHEET (SDS)

Product Name: Ethyl Maltol

Supplier: Aromology Trading LLC

CAS Number: 4940-11-8

EC Number: 225-582-5

Chemical Name: 2-Ethyl-3-hydroxy-4H-pyran-4-one

Molecular Formula: C₇ H₈ O₃

Molecular Weight: 140.14 g/mol

Recommended Use: Perfumery and fragrance raw material.

SECTION 1 – Identification

Product Identifier

Product Name: Ethyl Maltol

Synonyms

- 2-Ethyl-3-hydroxy-4H-pyran-4-one
- Ethyl Maltol FCC
- Ethyl Maltol Crystal

Recommended Use

Professional fragrance ingredient and flavour ingredient.

Supplier

Aromology Trading LLC
Dubai, United Arab Emirates

SECTION 2 – Hazard Identification

GHS Classification

This substance is not classified as hazardous according to the Globally Harmonized System (GHS) under normal conditions of use. (Merck Sigma-Aldrich SDS)



Signal Word

None

Hazard Statements

Not classified as hazardous.

Precautionary Statements

- Avoid breathing dust.
- Avoid prolonged contact with eyes and skin.
- Wash hands thoroughly after handling.
- Use appropriate personal protective equipment.

SECTION 3 – Composition / Information on Ingredients

Component CAS Number Concentration

Ethyl Maltol 4940-11-8 ≥99%

SECTION 4 – First Aid Measures

Eye Contact

Flush immediately with water for at least 15 minutes.

Seek medical attention if irritation persists.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Inhalation

Move person to fresh air.

Seek medical advice if symptoms develop.

Ingestion



Rinse mouth.

Do not induce vomiting unless directed by medical personnel.

Seek medical advice if unwell.

SECTION 5 – Fire Fighting Measures

Suitable Extinguishing Media

- Water spray
- Dry chemical
- Carbon dioxide
- Alcohol-resistant foam

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide

Protective Equipment

Wear self-contained breathing apparatus.

SECTION 6 – Accidental Release Measures

Avoid generating dust.

Sweep carefully into suitable containers.

Avoid release into drains.

Dispose according to local regulations.

SECTION 7 – Handling and Storage

Handle with adequate ventilation.



Avoid excessive dust formation.

Store:

- Cool
- Dry
- Well ventilated
- Tightly closed
- Away from moisture
- Away from strong oxidizing agents

Recommended storage temperature:

15–25 °C.

SECTION 8 – Exposure Controls / Personal Protection

Engineering Controls

Provide adequate ventilation.

Personal Protective Equipment

Eye Protection

Safety glasses.

Hand Protection

Chemical resistant gloves.

Respiratory Protection

Dust mask where dust concentrations may occur.

SECTION 9 – Physical and Chemical Properties

Property	Value
Appearance	White crystalline powder
Odour	Sweet, caramel, cotton candy
Molecular Weight	140.14 g/mol



Property	Value
Melting Point	89–92 °C
Boiling Point	Decomposes before boiling
Flash Point	Not applicable (solid)
Density	Approximately 1.37 g/cm ³
Water Solubility	Soluble
Solubility	Soluble in ethanol and propylene glycol

Commercial reference data describe Ethyl Maltol as a white crystalline powder with a characteristic sweet caramel/cotton candy odour. (Merck Sigma-Aldrich SDS)

SECTION 10 – Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Excessive heat
- Moisture
- Strong oxidizing agents

Hazardous decomposition products:

- Carbon monoxide
 - Carbon dioxide
-

SECTION 11 – Toxicological Information

Routes of exposure:

- Eyes
- Skin
- Inhalation
- Ingestion

May cause mild mechanical irritation due to dust.

Acute oral toxicity (Rat):



LD₅₀ >5,000 mg/kg.

No known carcinogenic, mutagenic or reproductive hazards under normal conditions of use.

SECTION 12 – Ecological Information

No significant environmental hazard anticipated when used appropriately.

Avoid uncontrolled release into waterways.

SECTION 13 – Disposal Considerations

Dispose of contents and containers in accordance with local environmental regulations.

Do not discharge into drains.

SECTION 14 – Transport Information

Regulation Classification

ADR/RID Not Regulated

IMDG Not Regulated

IATA Not Regulated

Ethyl Maltol is not classified as a dangerous good for transport under ADR, IMDG, or IATA regulations. (Merck Sigma-Aldrich SDS)

SECTION 15 – Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
 - CLP Regulation (EC) No. 1272/2008
 - OSHA Hazard Communication Standard (where applicable)
-



SECTION 16 – Other Information

Revision: 1.0

Issue Date: 30 June 2026

Recommended Use

Professional fragrance raw material for perfume manufacture.

Not intended for direct consumer use without appropriate formulation.

Authorized by

Fozia Khot
Director
Aromology Trading LLC