



SAFETY DATA SHEET (SDS)

Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878 and GHS.

Ethyl Maltol

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Name: Ethyl Maltol – Caramel

Chemical Name: Ethyl Maltol

CAS Number: 4940-11-8

EC Number: 225-582-5

Molecular Formula: C₇ H₈ O₃

Molecular Weight: 140.14 g/mol

Product Type: Aroma Chemical / Perfumery Raw Material

Olfactive Profile: Sweet • Caramel • Cotton Candy

The chemical identity, molecular formula and molecular weight are stated in the supplied SDS.

1.2 Recommended Use

Fragrances / Perfume Compounds

1.3 Supplier Details

Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification



According to Regulation (EC) No. 1272/2008:

Hazard Class	Category	Hazard Statement
Acute Toxicity – Oral	Category 4	H302 – Harmful if swallowed

2.2 Label Elements

Signal Word: WARNING

Hazard Statement:

H302 – Harmful if swallowed

Precautionary Statements:

P264 – Wash hands thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.

P301 + P317 – IF SWALLOWED: Get medical help.

P330 – Rinse mouth.

Hazardous Component: Ethyl Maltol (CAS 4940-11-8).

2.3 Other Hazards

The supplied SDS states that the material does not meet the PBT/vPvB criteria of REACH Annex XIII and does not meet the cited EU criteria for classification as an endocrine disruptor.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EC Number	Concentration	Classification
Ethyl Maltol	4940-11-8	225-582-5	≥90.0–≤100.0%	H302 – Harmful if swallowed

Molecular Formula: C₇ H₈ O₃

Molecular Weight: 140.14 g/mol

SECTION 4: FIRST-AID MEASURES

Inhalation

Move affected person to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

Skin Contact

Rinse thoroughly with water. Remove contaminated clothing. If irritation persists, seek medical attention.



Eye Contact

Immediately rinse with plenty of water. Remove contact lenses where possible and continue rinsing. Seek specialist advice if irritation persists.

Ingestion

Keep respiratory tract clear.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages. Never give anything orally to an unconscious person.

Seek immediate medical attention.

IF SWALLOWED: Get medical help. Rinse mouth.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry Chemical • Alcohol-Resistant Foam • Carbon Dioxide (CO₂) • Water Spray

Unsuitable Extinguishing Media

High-volume water jet

Fire-Fighting Precautions

Do not allow contaminated fire-fighting water to enter drains or waterways.

Firefighters should use self-contained breathing apparatus where necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use appropriate personal protective equipment and ensure adequate ventilation.

Prevent the product from entering drains or waterways.

Contain spills and collect using non-combustible absorbent material such as:

Sand • Earth • Diatomaceous Earth • Vermiculite

Place recovered material into suitable closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

Avoid formation of aerosols.

Do not breathe vapours or dust.

Avoid contact with skin and eyes.

Provide adequate ventilation.

Do not eat, drink or smoke in handling areas.

Keep away from:



Open Flames • Hot Surfaces • Sources of Ignition

7.2 Storage

Keep container tightly closed in a:

Dry • Well-Ventilated Area

Opened containers should be carefully resealed and kept upright.

No decomposition is expected when stored and used as directed.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

The supplied SDS states that the product contains **no substances with occupational exposure-limit values**.

Protection	Recommendation
Hands	Suitable Protective Gloves
Eyes	Tightly Fitting Safety Goggles
Emergency Eye Protection	Eye-Wash Bottle with Pure Water
Skin / Body	Impervious Protective Clothing
Hygiene	Wash hands before breaks and after work

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value / Description
Physical Appearance	White Crystals, Yellowing on Exposure to Light
Odour	Sweet and Burnt
CAS Number	4940-11-8
Flash Point	93.33 °C
Solubility	Oil and Ethanol Soluble; Insoluble in Water

The flash point and appearance are given in the supplied SDS, while the supplied COA confirms the solubility characteristics.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended conditions.

Hazardous Reactions: No decomposition when stored and used as directed. The supplied SDS additionally states that vapours may form an explosive mixture with air.



Conditions to Avoid:

Heat • Flames • Sparks

Incompatible Materials: No data available.

Hazardous Decomposition Products: No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Parameter	Information
Acute Toxicity Estimate	5000 mg/kg
Acute Dermal Toxicity Estimate	>5000 mg/kg
Acute Inhalation Toxicity	Not Determined
Skin Irritation	May Cause Skin Irritation and/or Dermatitis
Eye Irritation	May Cause Irreversible Eye Damage
Sensitisation	No Product-Specific Data Available
Mutagenicity	No Product-Specific Data Available
Carcinogenicity	No Product-Specific Data Available
Reproductive Toxicity	No Product-Specific Data Available
Phototoxicity	No Product-Specific Data Available

The source additionally states that the substance/mixture is regarded as presenting an aspiration toxicity hazard.

SECTION 12: ECOLOGICAL INFORMATION

No quantitative data are supplied for:

Fish Toxicity • Daphnia • Algae • Bacteria • Biodegradability • Bioaccumulation • Soil Mobility
The supplied SDS states that an environmental hazard cannot be excluded with improper

handling/disposal and reports:

“Toxic to aquatic life with long lasting effects.”

SECTION 13: DISPOSAL CONSIDERATIONS

Do not allow the product to enter drains, waterways or soil.

Dispose through an appropriately licensed waste-management company.

Empty remaining contents from contaminated packaging and dispose of as unused product.

Do not reuse empty containers.

SECTION 14: TRANSPORT INFORMATION



Transport Mode	Classification
ADR / RID / ADN	Not Regulated
IATA / ICAO	Not Regulated
IMDG	Not Regulated
UN Number	Not Regulated
Packing Group	Not Regulated
Marine Pollutant	Not Regulated

SECTION 15: REGULATORY INFORMATION

CAS: 4940-11-8

EC: 225-582-5

The supplied document states no additional relevant substance-specific regulatory information.

The material is reported as listed in chemical inventories including Australia, Canada, China, EU, Japan, Korea, New Zealand, Philippines, Taiwan, Thailand, USA and Vietnam.

SECTION 16: OTHER INFORMATION

Relevant Hazard Statement

H302 – Harmful if swallowed

Authorised by:

Fozia Khot

Director