



SAFETY DATA SHEET (SDS)

Product Name: Maltol Powder Natural

Chemical Name: Maltol

IUPAC Name: 3-Hydroxy-2-methyl-4H-pyran-4-one

CAS Number: 118-71-8

EC Number: 204-271-8

FEMA Number: 2656

Product Type: Natural Aroma Chemical

Appearance: White Crystalline Powder

Recommended Use: Fragrance ingredient for perfumery and cosmetic applications.

Supplier: Aromology Trading LLC

Issue Date: 15 August 2025

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier: Maltol Powder Natural

Recommended Use: Perfumery, cosmetics, aromatics and fragrance applications.

Emergency Telephone: +971 505 197 601

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Based on available data, Maltol is not classified as hazardous under the UN Globally Harmonized System (GHS).

Signal Word

None

Hazard Statements

Not classified as hazardous.

Precautionary Statements

P264 Wash hands thoroughly after handling.



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

P280 Wear protective gloves and eye protection when handling large quantities.

P501 Dispose of contents/container in accordance with local regulations.

Other Hazards

Fine powder may generate dust capable of causing mild mechanical irritation to the eyes and respiratory tract.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Maltol	118-71-8	≥99%

SECTION 4: FIRST AID MEASURES

Inhalation

Move to fresh air.

Seek medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Eye Contact

Flush cautiously with water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Rinse mouth with water.

Do not induce vomiting.

Seek medical advice if discomfort occurs.



Symptoms

Dust may cause mild irritation to the eyes, skin or respiratory tract.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

None known.

Hazardous Combustion Products

Carbon monoxide.

Carbon dioxide.

Organic decomposition products.

Protective Equipment

Self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid creating airborne dust.

Ensure adequate ventilation.

Collect mechanically or by vacuum suitable for fine powders.

Prevent release into drains and waterways.

Dispose of waste according to local regulations.



SECTION 7: HANDLING AND STORAGE

Handling

Avoid generating dust.

Avoid inhalation of dust.

Use good industrial hygiene practices.

Storage

Store below 25 °C.

Keep container tightly closed.

Protect from moisture and direct sunlight.

Store in a cool, dry, well-ventilated place.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No occupational exposure limits established.

Engineering Controls

General ventilation is normally sufficient.

Eye Protection

Safety glasses.

Skin Protection

Protective gloves.

Respiratory Protection

Dust mask recommended where airborne dust is generated.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	White crystalline powder
Odour	Sweet, caramel, cotton candy, toasted sugar
Melting Point	160–164 °C
Boiling Point	Decomposes before boiling
Flash Point	Not applicable (solid)
Relative Density	Approximately 1.35 g/cm ³
Solubility	Soluble in hot water, ethanol and propylene glycol; slightly soluble in cold water
Physical State	Solid powder

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under recommended conditions.

Chemical Stability

Stable under normal storage conditions.

Conditions to Avoid

Moisture.

Excessive heat.

Strong oxidising agents.

Hazardous Decomposition Products

Carbon oxides.

Organic decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION



Likely Routes of Exposure

- Skin
- Eyes
- Inhalation
- Ingestion

Effects

Dust may cause mild eye irritation.

Prolonged skin contact may cause mild irritation.

No evidence of carcinogenicity, mutagenicity or reproductive toxicity based on available information.

SECTION 12: ECOLOGICAL INFORMATION

No significant environmental hazards are expected under normal conditions of use.

Readily biodegradable.

Avoid unnecessary release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and containers in accordance with local, national and international regulations.

Do not discharge into drains or waterways.

SECTION 14: TRANSPORT INFORMATION

Parameter	Information
UN Number	Not Regulated
Proper Shipping Name	Not Regulated
Hazard Class	Not Regulated
Packing Group	Not Applicable



Parameter	Information
Marine Pollutant	No

SECTION 15: REGULATORY INFORMATION

Prepared in accordance with:

- UN GHS (Latest Edition)
 - Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1907/2006 (REACH)
 - Applicable IFRA Standards
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SECTION 16: OTHER INFORMATION

This Safety Data Sheet provides guidance for the safe handling, storage and use of Maltol Powder Natural in perfumery, cosmetic and fragrance applications.

Maltol is a naturally occurring flavour and fragrance ingredient found in roasted malt, baked bread, pine needles and larch bark. It is commonly used to impart sweet, caramellic and gourmand notes in fragrance compositions.

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Company: Aromology Trading LLC

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