

Material Safety Data Sheet (MSDS)

Maltol

Revision Date: 22-September-2025

Version: 1.0

Section 1: Product Identification

- **Product Name:** Maltol
- **Chemical Formula:** C₆H₆O₃
- **CAS No:** 118-71-8
- **Synonyms:** 3-Hydroxy-2-methyl-4H-pyran-4-one
- **Recommended Use** Flavor enhancer in food, fragrance ingredient, pharmaceutical intermediate.

Section 2: Hazards Identification

- **Classification (GHS):** Not classified as hazardous.
- **Signal Word:** None
- **Hazard Statements:**
 - May cause mild eye and skin irritation

☎ +91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

✉ info@triveniinterchem.com | info@trivenichemical.com

🌐 www.triveniinterchem.com | www.trivenichemical.com

📍 135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



www.chemicalbull.com

GROUP OF Triveni CHEMICALS

- **Precautionary Statements:**

- Avoid contact with eyes and skin
- Use personal protective equipment as required
- Wash hands thoroughly after handling.

Section 3: Composition / Information on Ingredients

- **Chemical Name:** Maltol
- **CAS No:** 118-71-8
- **Concentration:** ≥ 99%.

Section 4: First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if discomfort occurs.
- **Skin Contact:** Wash 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 with water. Seek medical advice if feeling unwell.

Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, carbon dioxide (CO₂).

- **Specific Hazards:** Combustion may produce carbon oxides.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use personal protective equipment.
- **Environmental Precautions:** Prevent entry into drains and waterways.
- **Cleanup Methods:** Sweep up and collect in suitable container for disposal.

Section 7: Handling and Storage

- **Handling:** Avoid inhalation of dust and contact with skin/eyes. Use in well-ventilated areas.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place. Protect from heat and light.

Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** Not established for Maltol.
- **Engineering Controls:** Ensure adequate ventilation.
- **Personal Protective Equipment:** Gloves, protective goggles, lab coat, dust mask if required.

Section 9: Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odor:** Sweet, caramel-like
- **Melting Point:** 160 – 164 °C
- **Solubility:** Soluble in hot water, ethanol, chloroform
- **Molecular Weight:** 126.11 g/mol.

Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides under fire conditions.

Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin and eye contact.
- **Acute Effects:** May cause mild irritation.
- **Chronic Effects:** No significant chronic effects known.
- **Carcinogenicity:** Not listed as a carcinogen.

Section 12: Ecological Information

- **Ecotoxicity:** Not classified as environmentally hazardous.
- **Persistence and Degradability:** Expected to be biodegradable.
- **Bioaccumulative Potential:** Low potential.

Section 13: Disposal Considerations

- Dispose of contents/container in accordance with local/regional/national regulations.
- Avoid release into the environment.

Section 14: Transport Information

- **UN Number:** Not regulated
- **Proper Shipping Name:** Maltol
- **Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable.

Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and international chemical inventories.
- Not classified as hazardous substance as per GHS.

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.

+91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

info@triveniinterchem.com | info@trivenichemical.com

www.triveniinterchem.com | www.trivenichemical.com

135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



www.chemicalbull.com

GROUP OF Triveni CHEMICALS