



**Qingdao Free Trade Zone United International Co., Ltd.**

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## Material Safety Data Sheet

### MALTOL,NATURAL

Qingdao Free Trade Zone United International Co., Ltd. asks to its customers receiving this material safety data sheet to study carefully in order to know the dangers presented by the product and to inform its employees, agents, and sub-contractors.

The end user is responsible for the handling and the storage of the product to refer to legislative, regular and administrative up to date texts, concerning the protection of the workers and the population and the environmental.

This information is based on our current level of knowledge given by our own suppliers.

Date/revised: April 28, 2014	Date issued: Dec. 04, 2008
Product: Maltol,Natural	

#### 1.Substance/preparation and company name

**Company:**

Qingdao Free Trade Zone United International Co., Ltd.

18/F, Huaren International Building, 2A Shandong Road, Qingdao, China - 266071

#### 2. Composition/information on ingredients

**Chemical name:** Maltol,Natural

**CAS No.:** 118-71-8

**FEMA No.:** 2656

**FDA No.:** 172.515

**CE No.:** 148c

**EINECS No.:** 204-271-8

#### 3. Physical and chemical properties

**Appearance:** White crystalline powder

**Formula:** C<sub>6</sub>H<sub>6</sub>O<sub>3</sub>

**Molecular weight:** 126.11

**Melting point:** 160-164 °C

**Boiling point:** 170 °C

**Odor:** Caramel

**Assay:** 99.2% min.

#### 4. Hazards identification

Harmful if swallowed.

Irritating to eyes, respiratory system, and skin.

#### 5. First aid measures

**Eyes:** In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes.

**Skin:** After contact with skin, wash immediately affected area with soap and plenty of water. contaminated clothing and shoes.

**Ingestion:** If swallowed, rinse mouth with water (only if the person is conscious). Obtain

medical advice.

**Inhalation:** If inhaled, remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

## 6. Fire fighting and measures

**Flash point:** 116 °C

**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.

**Special firefighting procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Special risks:** May form explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapors possible in the event of fire.

## 7. Accidental release measures

**Person-related precautionary measures:** Do not inhale vapors/aerosols. Ensure supply of fresh air in enclosed rooms. Avoid generation of dusts; do not inhale dusts.

**Environmental-protection measures:** Do not allow to enter sewage system.

**Procedures for cleaning / absorption:** Take up with liquid-absorbent material. Forward for disposal. Clean affected area.

## 8. Handling and storage

**Handling:** Take precautionary measures against static discharges. Keep away from source of ignition. When using do not eat or drink.

**Storage:** Tightly closed, in a well-ventilated place. Keep away from source of ignition - no smoking.

## 9. Exposure controls and personal protection

**Exposure limits:** Avoid contact with eyes, skin, clothing, and breathing vapor.

**Eyes:** Wear eye/ face protection

**Hand protection:** Wear suitable gloves

**Respiratory protection:** Required when vapors/aerosols are generated.

**Industrial hygiene:** Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

## 10. Stability and reactivity

**Conditions to be avoided:** Heating

**Substances to be avoided:** Strong oxidizing agents.

**Hazardous decomposition products:** Carbon monoxide, carbon dioxide.

## 11. Toxicological information

**LD<sub>50</sub> oral, rat:** 1410mg/Kg

**LD<sub>50</sub> dermal, rabbit:** N/A

**LD<sub>50</sub> inhalation, rat:** N/A

**Further toxicological information:** May be harmful if inhaled, swallowed, or if absorbed through the skin.

## 12. Ecological information

N/A

## 13. Disposal considerations

**Product:** according to official local regulations.

**Packing:** according to official local regulations.

<b>14. Transport information</b>
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**Emergency TEL:** +86-532-86069596; 83891505~9

<b>15. Regulatory information</b>
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N/A

<b>16. Other information</b>
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**Shelf life:** 24 months minimum in sealed containers protected from light and air

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.



