

## Material Safety Data Sheet Maltitol

### Section 1: Chemical Product and Company Identification

Product Name : Maltitol  
Chemical Formula :  $C_{12}H_{24}O_{11}$   
Company Identification : Tradeasia International Pte Ltd  
Email Address : contact@chemtradeasia.com

### Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Maltitol	585-88-6	100

Toxicological Data on Ingredients: Malic acid: ORAL (LD50): Acute: 1600 mg/kg [Rat].

### Section 3: Hazards Identification

#### Potential Acute Health Effects:

May cause eye and skin irritation. May cause respiratory and digestive tract irritation. The toxicological properties of this material have not been fully investigated.

**Potential Chronic Health Effects:** Not available.

### Section 4: First Aid Measures

#### Eye Contact:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

#### Skin Contact:

Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

**Serious Skin Contact:** Not available.

#### Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Serious Inhalation:** Not available.

#### Ingestion:

If victim is conscious and alert, give 2-4 cupful of milk or water. Get medical aid.

### Section 5: Fire and Explosion Data

**Flammability of the Product:** Not available.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>).

**Fire Hazards in Presence of Various Substances:** Not available.

**Explosion Hazards in Presence of Various Substances:** Not available.

#### Fire Fighting Media and Instructions:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

### Small Spill:

Vacuum or sweep up material and place into a suitable disposal container..

### Large Spill:

Vacuum or sweep up material and place into a suitable disposal container..

## Section 7: Handling and Storage

### Precautions:

Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

### Storage:

Store in a cool, dry place. Store in a tightly closed container.

## Section 8: Exposure Controls/Personal Protection

### Engineering Controls:

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### Personal Protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Wear appropriate gloves to prevent skin exposure. Wear appropriate protective clothing to prevent skin exposure. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

## Section 9: Physical and Chemical Properties

Physical state and appearance	: Solid. (crystalline powder.)
Odor	: Not available.
Taste	: Not available.
Molecular Weight	: 344.32 g/mole
Color	: White to Off-White.
pH (1% soln/water)	: Not available.
Boiling Point	: Not available.
Melting Point	: 149 – 152°C
Critical Temperature	: Not available.
Specific Gravity	: Not available
Vapor Pressure	: Not available.

Vapor Density	: Not available.
Volatility	: Not available.
Odor Threshold	: Not available.
Water/Oil Dist. Coeff.	: Not available.
Ionicity (in Water)	: Not available.
Dispersion Properties	: Not available.
Solubility	: Not available.

#### Section 10: Stability and Reactivity Data

**Stability:** Stable under normal temperatures and pressures.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Oxidizing agents.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Not available.

#### Section 11: Toxicological Information

**Routes of Entry:** Not available.

**Toxicity to Animals:** Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** Not available.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Not available.

#### Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:** Not available.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

#### Section 13: Disposal Considerations

##### Waste Disposal:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

#### Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable

**Special Provisions for Transport:** Not applicable.

## Section 15: Other Regulatory Information

### Federal and State Regulations:

CAS# 585-88-6 is listed on the TSCA inventory.

### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

### Section 12b

None of the chemicals are listed under TSCA Section 12b.

### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

### Section 313 No chemicals are reportable under Section 313.

### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

### STATE

CAS# 585-88-6 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

### California Prop 65

**California No Significant Risk Level:** None of the chemicals in this product are listed.

### European/International Regulations

### European Labeling in Accordance with EC Directives

**Hazard Symbols:** Xi

### Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

### Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

### WGK (Water Danger/Protection)

CAS# 585-88-6: No information available.

### Canada - DSL/NDSL

CAS# 585-88-6 is listed on Canada's NDSL List.

### Canada - WHMIS

**WHMIS:** Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products

Regulations and the MSDS contains all of the information required by those regulations.  
**Canadian Ingredient Disclosure List.**

#### **Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Tradeasia International Pte. Ltd. Be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Tradeasia International Pte. Ltd. has been advised of the possibility of such damages.