



# MSDS

## Sorbitol Powder

Company name: Across Biotech Jinan Co., Ltd

Add.: No. Shanda Rd 160, Lixia distric, Jinan, China

Name: **D-Sorbitol Material Safety Data Sheet (FOOD ADDITIVE)**

Synonym: D-Glucitol; O-Sorbitol; Hexahydric Alcohol; D-Sorbitol

CAS: 50-70-4

### Section 1 - Chemical Product

MSDS Name: D-Sorbitol

Synonym: D-Glucitol; O-Sorbitol; Hexahydric Alcohol; D-Sorbitol

### Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
50-70-4	D-glucitol	100.0	200-061-5
Hazard Symbols: None Listed.			
Risk Phrases: None Listed.			

### Section 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

The toxicological properties of this material have not been fully investigated. Hygroscopic (absorbs moisture from the air).

Potential Health Effects

Eye:

Dust may cause mechanical irritation.

Skin:

May cause skin irritation. The toxicological properties of this material have not been fully investigated.

Ingestion:

May cause irritation of the digestive tract. Low hazard for usual industrial handling.

Inhalation:

May cause respiratory tract irritation. Low hazard for usual industrial handling. The toxicological properties of this substance have not been fully investigated.

Chronic:

None

### Section 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

**Skin:**

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Get medical aid if irritation develops or persists. Wash clothing before reuse.

**Ingestion:**

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Wash mouth out with water. Get medical aid if irritation or symptoms occur.

**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 if cough or other symptoms appear.

**Notes to Physician:****Section 5 - FIRE FIGHTING MEASURES****General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:**

For small fires, use water spray, dry chemical, carbon dioxide or chemical foam. Use agent most appropriate to extinguish fire. Do NOT get water inside containers.

**Section 6 - ACCIDENTAL RELEASE MEASURES**

General Information: Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Do not get water inside containers.

**Section 7 - HANDLING and STORAGE****Handling:**

Wash hands before eating. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Use with adequate ventilation. Do not allow contact with water. Keep from contact with moist air and steam.

**Storage:**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

**Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION****Engineering Controls:**

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 50-70-4: Personal Protective Equipment Eyes: 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.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to minimize contact with skin.

**Respirators:**

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.

**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid

Color: colorless or white

Odor: odorless

pH: 6-7 for 70% soln.

Vapor Pressure: Not available.

Viscosity: 110 cp @ 25C

Boiling Point: 295 deg C

Freezing/Melting Point: 75 deg C

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: 55% @ 25C

Specific Gravity/Density: 1.489

Molecular Formula: C6H14O6

Molecular Weight: 182.0944

**Section 10 - STABILITY AND REACTIVITY****Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Ignition sources, dust generation, moisture, excess heat, strong oxidants.

**Incompatibilities with Other Materials:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Has not been reported.

**Section 11 - TOXICOLOGICAL INFORMATION****RTECS#:**

CAS# 50-70-4: LZ4290000 LD50/LC50:

CAS# 50-70-4: Oral, mouse: LD50 = 17800 mg/kg; Oral, rat: LD50 = 15900 mg/kg.

**Carcinogenicity:**



D-glucitol - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

## **Section 12 - ECOLOGICAL INFORMATION**

### **Section 13 - DISPOSAL CONSIDERATIONS**

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

### **Section 14 - TRANSPORT INFORMATION**

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

### **Section 15 - REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 50-70-4: 0

Canada

CAS# 50-70-4 is listed on Canada's DSL List.

CAS# 50-70-4 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 50-70-4 is listed on the TSCA inventory.

### **Section 16-OTHER INFORMATION:**

EMERGENCY CONTACT

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