

Material Safety Date Sheet

Dextrose Monohydrate Powder

SECTION 1: Chemical Product and Company Identification

Product Name: Dextrose Monohydrate Powder

Synonyms: D-glucose monohydrate; dextrosol; dextrose, monohydrate powder.

CAS No.: 5996-10-1 (Monohydrate)

Molecular Weight: 198.18

Chemical Formula: $C_6H_{12}O_6 \cdot H_2O$

Manufacturer: ZHUCHENG DONGXIAO BIOTECHNOLOGY CO., LTD.
XINXING TOWN, ZHUCHENG, SHANDONG, CHINA
Website: www.dxbiotech.com

Distributed by:

Univar Solutions USA Inc.
3075 Highland Pkwy Ste 200
Downers Grove, IL 60515
Telephone: 1-855-429-2661
Emergency phone number:
CHEMTREC 1-800-424-9300

For other information call: 86-536-6349792

SECTION 2: Hazards Identification

Emergency Overview:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 0 - None

Flammability Rating: 1 - Slight

Reactivity Rating: 1 - Slight

Contact Rating: 0 - None

Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES

Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:

Not expected to be a health hazard.

Ingestion:

Extremely large oral dosages may produce gastrointestinal disturbances.

Skin Contact:

No adverse effects expected.

Eye Contact:

No adverse effects expected but dust may cause mechanical irritation.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

No information found.

SECTION 3 : Composition/Information on Ingredients

Composition

Substance	% or range	CAS No
Dextrose Monohydrate	≤100	5996-10-1

SECTION 4: First Aid Measures

Inhalation:

Not expected to require first aid measures.

Ingestion:

Not expected to require first aid measures.

Skin Contact:

Not expected to require first aid measures.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

SECTION 5: Fire and Explosion Data

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

Use protective clothing and breathing equipment appropriate for the surrounding fire.

SECTION 6: Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

SECTION 7: Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 8: Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators :

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 9: Physical/Chemical Characteristics Data**Appearance:**

Colorless crystals or white crystalline powder.

Odor:

Odorless.

Solubility:

1 g/1.1 ml water 25 °C

Specific Gravity:

1.54

pH:

5.9 For 0.5 M aqueous solution

Boiling Point:

No information found.

Melting Point:

83 °C

Vapor Density (Air=1):

No information found.

Vapor Pressure (mm Hg):

No information found.

Evaporation Rate (BuAc=1):

No information found.

SECTION 10: Stability and Reactivity Data

Stability:

Stable under ordinary conditions of use and storage. < 50C the Hydrated crystalline form is stable.

Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Reacts with sodium nitrite plus potassium nitrite, sodium peroxide plus potassium nitrate.

Conditions to Avoid:

Heat, incompatibles.

SECTION 11: Toxicological Information

Investigated as a tumorigen, mutagen, and reproductive effector. For Dextrose:

Oral rat LD50: 25800 mg/kg.

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC
-----	-----	-----	
Dextrose Monohydrate	No	No	None

SECTION 12: Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

SECTION 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14: Transport Information

Not regulated

SECTION 15: Other Regulatory Information

-----\Chemical Inventory Status - Part 1\-----				
Ingredient	TSCA	EC	Japan	Australia
Dextrose Monohydrate	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----				
Ingredient	Korea	DSL	Canada NDSL	Phil.
Dextrose Monohydrate	yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----				
Ingredient	-SARA 302- RQ	TPQ	-SARA 313- List Chemical Catg.	
Dextrose Monohydrate	No	No	No	No

-----\Federal, State & International Regulations - Part 2\-----			
Ingredient	-RCRA- CERCLA	-TSCA- 261.33	8(d)
Dextrose Monohydrate	No	No	No

SECTION 16: Other Information

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. User should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Dongxiao Co. 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 Dongxiao Co. has been advised of the possibility of such damages.