

Material Safety Data Sheet

Section 1 - Product and Company Information

Product Name: Dextrose Monohydrate

Product Number: WFST302

Brand: Hengdebao

Company: Weifang Shengtai Medicine Co., Ltd

Address: The East of Changda Road, Changle Economic Development Zone,
Shandong Province, China

Postal Code: 262400

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Date: Jan.,01,2021

Section 2 - Composition / Information on Ingredient

Substance Name	CAS #	Proportions (%)
Glucose	77938-63-7	≥99.5

Formula $C_6H_{12}O_6 \cdot H_2O$

Synonyms Monohydrate dextrose * Cartose * Cerelose * 潍坊盛泰药业有限公司
Corn sugar * Dextropur * Dextrose * Dextrose, WEIFANG SHENGTAI MEDICINE CO., LTD.
monohydrate * Dextrosol * Glucolin * Glucose *
Glucose, monohydrate * D-Glucose, monohydrate
*Glucose liquid * Grape sugar * Sirup * Sugar


Authorized Signature

Section 3 - Hazards Identification

HMIS RATING

HEALTH: 0

FLAMMABILITY:

REACTIVITY: 0

NFPA RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures**FLASH POINT**

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures**PROCEDURE(S) OF PERSONAL PRECAUTION(S)**

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

Section 7 - Handling and Storage**HANDLING**

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid

prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Wear dust mask.

Hand: Protective gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance	Physical State: Solid	
Property	Value	At Temperature or Pressure
Molecular Weight	180.16 AMU	
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	153 - 156 °C	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Volatile%	N/A	
VOC Content	N/A	
Water Content	N/A	
Solvent Content	N/A	
Evaporation Rate	N/A	
Viscosity	N/A	
Surface Tension	N/A	
Partition Coefficient	N/A	
Decomposition Temp.	N/A	
Flash Point	N/A	
Explosion Limits	N/A	

N/A

Autoignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A

N/A = not available

Section 10 - Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes

upper respiratory tract.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have
Not been thoroughly investigated.

TOXICITY DATA

Oral

Rat

25800 mg/kg

LD50

Remarks: Behavioral:Coma. Lungs, Thorax, or

Respiration:Cyanosis. Gastrointestinal:Hypermotility, diarrhea.

Intraperitoneal

Mouse

Intravenous
Mouse
9 GM/KG
LD50

CHRONIC EXPOSURE – CARCINOGEN

Species: Rat
Route of Application: Subcutaneous
Dose: 15400 GM/KG
Exposure Time: 22W
Frequency: C
Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic:
Tumors at site or application.

CHRONIC EXPOSURE – TERATOGEN

Species: Woman
Dose: 2 GM/KG
Route of Application: Oral
Exposure Time: (28W PREG)
Result: Specific Developmental Abnormalities: Craniofacial (including nose and tongue).
Specific Developmental Abnormalities: Other developmental abnormalities.

Species: Woman
Dose: 1057 UG/KG
Route of Application: Intravenous
Exposure Time: (39W PREG)
Result: Specific Developmental Abnormalities: Hepatobiliary system.

Species: Hamster
Dose: 20 GM/KG
Route of Application: Intraperitoneal
Exposure Time: (6-8D PREG)
Result: Specific Developmental Abnormalities: Eye, ear.

Species: Hamster
Dose: 20 GM/KG
Route of Application: Subcutaneous
Exposure Time: (6-8D PREG)
Result: Specific Developmental Abnormalities: Eye, ear.

Species: Hamster
Dose: 20 GM/KG
Route of Application: Multiple

Exposure Time: (6-8D PREG)

Result: Specific Developmental Abnormalities: Eye, ear. Specific Developmental Abnormalities: Musculoskeletal system.

CHRONIC EXPOSURE – MUTAGEN

Species: Human

Dose: 30 MMOL/L

Cell Type: Other cell types

Mutation test: DNA damage

Species: Mouse

Dose: 179 MMOL/L

Cell Type: lymphocyte

Mutation test: Mutation in mammalian somatic cells.

CHRONIC EXPOSURE - REPRODUCTIVE HAZARD

Species: Woman

Dose: 2 GM/KG

Route of Application: Intravenous

Exposure Time: (39W PREG)

Result: Maternal Effects: Other effects. Effects on Embryo or

Fetus: Other effects to embryo.

Species: Woman

Dose: 1300 MG/KG

Route of Application: Intravenous

Exposure Time: (39W PREG)

Result: Effects on Newborn: Biochemical and metabolic. Effects on Newborn: Behavioral.

Species: Rat

Dose: 300 GM/KG

Route of Application: Intraperitoneal

Exposure Time: (30D PRE)

Result: Maternal Effects: Ovaries, fallopian tubes. Maternal Effects: Uterus, cervix, vagina.

Species: Hamster

Dose: 20 MG/KG

Route of Application: Multiple

Exposure Time: (6-8D PREG)

Result: Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).

Specific Developmental Abnormalities: Urogenital system.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations**APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

IATA
Proper Shipping Name: Not Regulated
Class: Not Regulated
Subsidiary Risk(s): Not Regulated
UN Number: Not Regulated
Hazchem : Not Regulated
Pack Group: Not Regulated
Special Provision: Not Regulated
IMDG Code: Not Regulated
EMS: Not Regulated
Marine Pollutant: Not Regulated

Section 15 - Regulatory Information**UNITED STATES REGULATORY INFORMATION**

SARA LISTED: No
TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: Yes
NDSL: No



Section 16 - Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive shall be used only as a guide. Weifang Shengtai Medicine Co., Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.