



# Material Safety Data Sheet

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## Section 1 - Product and Company Identification

Product name : Glucose
Other names : --
Product use : Use directly in food, medical industry, commonly use as ingredient to synthesize vitamin C
Supplier's name : San Fu Chemical Co., Ltd., Shan Hua Plant
Supplier's address : 340 Hsiao Hsin Li, Shan Hua Town, Tainan Hsien, Taiwan, R.O.C.
Supplier's phone : 06-5837608                      Emergency phone : 06-5837608
FAX. : 06-5839498

## Section 2 - Hazards Identification

Classification : Serious eye damage/ irritation Category 2B
The Most Important Hazards and effect Label element : <ul style="list-style-type: none"><li>■ Hazard symbol : --</li><li>■ Signal word : Warning</li></ul> Hazard statement : Cause eye irritation Precautionary statement : <ol style="list-style-type: none"><li>1. Vvoid eye contact</li><li>2. If contacted, wash with large amount of water then seek the medical attention immediately.</li></ol>
Others Hazard : --

## Section 3 - Composition/Information On Ingredients

Pure Substance :

Chemical name : Glucose
Synonyms : Dextrose; Grape Sugar; Corn Sugar
CAS No. : 50-99-7
Ingredient contributing to the hazard(%) : 99%

## Section 4 - First Aid Measures

The First-aid Information : <ul style="list-style-type: none"><li>■ Inhalation : Need no first aid</li><li>■ Skin Contact : Need no first aid</li><li>■ Eye Contact : Flush eyes with water immediately. If the discomfort occurs, seek medical attention immediately.</li><li>■ Ingestion : Need no first aid</li></ul>
The Most Important Symptoms and Hazardous Effects : --
Protection of First-aiders : No specific regulation
Notes to a Physician : --



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## Section 5 - Fire Fighting Measures

Extinguishing Media : Water, powder, CO <sub>2</sub> or proper foam
Specific Hazards when Fire-fight : --
Specific Fire-fighting Procedure : none
Specific Protection of Firefighters : Wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

## Section 6 - Accidental Release Measures

Personal Precautions : Wear proper personal protective equipments.
Environmental Precautions : Avoid generating the dust, keeps well ventilation.
Methods for Cleaning up : Sweep into the proper container for recycling or managing.

## Section 7 - Handling and Storage

Handling : Avoid generating the dust during packaging or discharging. Use static free protective equipments if necessary.
Storage : Store in a cool, dry and well ventilated area. Away from the incompatibles.

## Section 8 - Exposure Controls & Personal Protection

Engineering measures : Install the eye washing equipments and shower equipments. Use the proper ventilation equipments and maintain the low concentration in the airborne.			
Control parameters			
TWA	STEL	Ceiling	Biological standards
--	--	--	--
Personal protective equipment : <ul style="list-style-type: none"> <li>■ Respiratory Protection : Wear dust proof mask</li> <li>■ Hand Protection : No need</li> <li>■ Eye Protection : Wear safety goggles</li> <li>■ Skin and Body Protection : No specific regulation</li> </ul>			
Hygiene measures : Forms the good habit, strictly no drinking or eating in the working area. Need to wash the hands after work done.			

## Section 9 - Physical & Chemical Properties

Appearance : Solid, powder, white and fine crystal like	Odor : odorless
Color : Transparent	Melting Point: --
pH value : 5.9(0.5Mwater solution)	Boiling point/boiling range : --
Flammability: --	Flash point : --
Decomposition temp : --	Test method : --
Auto ignition temp : --	Explosion properties : --
Vapor pressure : --	Vapor density : --



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Density : 1.54(H <sub>2</sub> O=1)	Solubility : 1g/1.1ml (20°C) in the water
log Kow : --	Evaporation Rate : --

## Section 10 - Stability & Reactivity Data

Stability : stable
Possible hazardous reactions under specific conditions : No reaction
Conditions to avoid : Incompatibles, dust generation, overheat
Materials to avoid : Oxidizers
Hazardous decomposition products : Thermal decompose the CO, poisonous smoke and CO <sub>2</sub> .

## Section 11 - Toxicological Information

Route of exposure : Inhalation, skin contact, ingestion, eyes.
Symptoms :
Immediate Toxicity : <ol style="list-style-type: none"><li>1. Skin : --</li><li>2. Inhalation : --</li><li>3. Eye : Cause eye irritation</li><li>4. Ingestion : Swallow in large amount may cause digestive tract inflammation.<ul style="list-style-type: none"><li>● LD<sub>50</sub>: 25800mg/kg ( rat, oral )</li><li>● LC<sub>50</sub>: --</li></ul></li></ol>
Specific effects : --

## Section 12 - Ecological Information

Ecotoxicology : <ul style="list-style-type: none"><li>■ LC<sub>50</sub>(fish) : --</li><li>■ EC<sub>50</sub>(Aquatic Invertebrates) : --</li><li>■ Bioconcentration factor (BCF) : --</li></ul>
Persistence and degradability : <ul style="list-style-type: none"><li>■ Half-Life (Air) : --</li><li>■ Half-Life (Water surface) : --</li><li>■ Half-Life (Groundwater) : --</li><li>■ Half-Life (Soil) : --</li></ul>
Bioaccumulative potential : --
Mobility in soil : --
Other adverse effects : --

## Section 13 - Disposal Considerations

Methods of disposal : Follow the local government laws and regulation
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## Section 14 - MSDS Transport Information

UN classification number : --
Proper D.O.T Shipping Name : --
Hazard Class : --
Packing Group : --
Marine pollution : --
Specific precautionary transport measures and conditions : --

## Section 15 - Regulatory Information

Regulations :
1. Regulations for Labor Safety and Health Installations
2. Regulations for Chemical Hazard Communication
3. Road Traffic Safety Regulations

## Section 16 - Other Information

Literature references	1. CHEMINFO Database , CCINFO Disc , 2005-3 2. Chemical Hazards Chinese Database, Council of Labor Affairs		
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Remarks	Symbols Explanations: "--" No information is available at this time. "/" Not applicable to this substance.		
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