



MATERIAL SAFETY DATA SHEET

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Section 1 Chemical Product and Company Name		
Product	GLUCOSE	ITEM No: CASE-002
Synonyms	Corn sugar; Dextrosol; Glucose, monohydrate	
CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300	

Section 2 Composition/Ingredients Information		
Chemical Name	CAS#	TLV Units
Dextrose	5996-10-1	100% TWA: 10mg/m ³ (respirable dust)

Section 3 Hazards Identification

CAUTION!
HIGH CONCENTRATION OF DUST MAY CAUSE RESPIRATORY IRRITATION.
MAY CAUSE EYE IRRITATION.

0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	C

HMIS

Section 4 First Aid Measures

INGESTION: Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Get medical advise.

INHALATION: Remove to fresh air. Get medical attention if necessary.

EYE CONTACT: Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek medical attention if irritation develops.

SKIN CONTACT: Remove contaminated clothing. Flush thoroughly with mild soap and water.

Section 5 Fire Fighting Measures

May be combustible in presence of open flames.

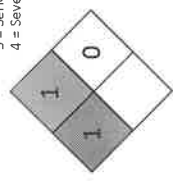
Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Flash point: N/A

Autoignition temperature: N/A

Explosion limits: Lower: N/A Upper: N/A

- 0 = Minimal
- 1 = Slight
- 2 = Moderate
- 3 = Serious
- 4 = Severe



Section 6 Accidental Release Measures

Recover for use if not contaminated. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling and Storage

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Use only under adult supervision.

Handling: Use with adequate ventilation. Do not inhale dust. Wash hands thoroughly after handling.

Storage: Store in closed container in a dry area. Keep away from flames and excessive heat.

Section 8 Exposure Controls/ Personal Protection

Engineering controls: Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limits outlined in section 3. Wear chemical splash goggles, chemical-resistant gloves, and chemical resistant apron.

Respiratory protection: Non should be needed if normal laboratory handling at room temperature. Use NIOSH approved respiratory protection under dusty conditions.

Section 9 Physical and Chemical Properties

Physical state: Solid
Appearance: White crystalline powder.
Odor: No odor
pH: Not available
Vapor Pressure (mm Hg): N/A
Vapor Density: N/A
Evaporation Rate: N/A
Viscosity: N/A

Boiling point: Not available
Melting point: Not available
Freezing point: Not available
Decomposition temp: Not available
Solubility: Partially soluble in water
Specific gravity (H₂O = 1): 1.54
Percent volatile (%): Not available
Molecular formula: C₆H₁₂O₆
Molecular weight: 198.17

Section 10 Stability and Reactivity

Chemical Stability: Stable
Conditions to Avoid: Open fires and excessive heat and incompatibles.
Incompatibilities: Oxidizing agents
Hazardous decomposition: Not available.
Hazardous polymerization: Will not occur.

Section 11 Toxicological Information

Effects of overexposure: Eye: Dust may cause irritation to eyes. Skin: Not expected to cause any acute effects. Inhalation: Inhalation of large doses may irritate respiratory tract. Ingestion: Ingestion of very large amounts may cause gastrointestinal tract disturbances. Symptoms may include hypermotility and diarrhea.

ORL-RAT LD₅₀: 25800 mg/kg [Rat]
IHL-RAT LD₅₀: Not available
SKN-RABIT LD₅₀: Not available

Section 12 Ecological Information

Not available

Section 13 Disposal Considerations

Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.

Section 14 Transport Information

UN number: N/A
Shipping name: not regulated
Hazard Class: N/A
Packing group: N/A
Exceptions: N/A

Section 15 Regulatory Information

TSCA-listed, EINECS-listed (200-075-1) as glucose WHMIS (Canada): Not classified. DSCL (EEC): This product is not classified according to the EU regulations.

Section 16 Other Information

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