



# MATERIAL SAFETY DATA SHEET

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Approved by: Darius Nicpon

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## Chemical Product and Company Name

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

## Composition/Ingredients Information

Chemical Name	CAS#	%	TLV Units
Dextrose	5996-10-1	100%	TWA: 10mg/m <sup>3</sup> (respirable dust)

## Hazards Identification

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

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	C

HMIS

**Section 3**  
CAUTION!  
HIGH CONCENTRATION OF DUST MAY CAUSE RESPIRATORY IRRITATION.  
MAY CAUSE EYE IRRITATION.

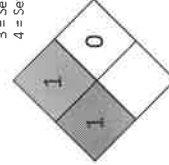
## First Aid Measures

**Section 4**  
**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.

## Fire Fighting Measures

**Section 5**  
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

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## Accidental Release Measures

**Section 6**  
Recover for use if not contaminated. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

## Handling and Storage

**Section 7**  
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 (H<sub>2</sub>O = 1):** 1.54  
**Percent volatile (%):** Not available  
**Molecular formula:** C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>  
**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 LD<sub>50</sub>: 25800 mg/kg [Rat]

IHL-RAT LD<sub>50</sub>: Not available

SKN-RABBIT LD<sub>50</sub>: 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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