

**24 HOUR EMERGENCY ASSISTANCE**  
**CHEMTREC 800-424-9300**  
**HAZARD RATING**

4-EXTREME	Health Hazard	0
3-SEVERE	Flammability	1
2-MODERATE	Reactivity	1
1-SLIGHT		
0-MINIMAL		

**IMPORTANT**  
**MATERIAL SAFETY DATA SHEET**

READ CAREFULLY BEFORE USING CHEMICAL  
 OSHA requires that this form be kept on file.  
**Product No.** C3673T  
**Product Name** DEXTROSE,  
 MONOHYDRATE

SECTION I	NAME
Chemical Synonyms	D-Glucose
Formula	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> •H <sub>2</sub> O
C.A.S. No.	5996-10-1

**SECTION II HAZARDOUS INGREDIENTS OF MIXTURES**

Principal Hazardous Component(s)	%	P.E.L.	TLV Units
N/A			

**SECTION III PHYSICAL DATA**

Melting Point (°F)	83°C (181°F)	Specific Gravity (H <sub>2</sub> O=1)	1.54
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	0
Vapor Pressure (mm Hg)	N/A	Evaporation Rate ( =1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Appreciable (more than 10%)		
Appearance & Odor	White odorless powder.		

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

Flash Point Method Used	N/A	Flammable Limits in Air % by Volume	Lower	Upper
			N/A	N/A
Extinguisher Media	Use extinguishing media appropriate for surrounding fire.			

**Special Firefighting Procedures**  
 N/A

**Unusual Fire and Explosion Hazards**  
 N/A

**DOT** Not Regulated

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

**SECTION V HEALTH HAZARD DATA**

**Threshold Limit Value**  
 None established.  
**Effects of Overexposure**  
 No effects of overexposure were documented.

**Emergency and First Aid Procedures**  
**Eyes and Skin:** Flush with plenty of water.  
 Consult physician if irritation develops.

**SECTION VI REACTIVITY DATA**

<b>Stability</b>	<b>Conditions to Avoid</b>
Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	N/A
<b>Incompatibility (Materials to Avoid)</b>	N/A
<b>Hazardous Decomposition Products</b>	N/A
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	N/A

**SECTION VII SPILL OR LEAK PROCEDURES**

**Steps to be Taken in Case Material is Released or Spilled**  
 Wear suitable protective clothing. Carefully sweep up and remove.  
**Waste Disposal Method**  
 Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose in accordance with all applicable federal, state and local environmental regulations.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

<b>Respiration Protection (Specify Type)</b>	None required; NIOSH-approved dust mask if necessary.		
<b>Ventilation</b>	Local Exhaust	X	Special
	Mechanical (General)	X	Other
<b>Protective Gloves</b>	Recommended	<b>Eye Protection</b>	Safety glasses
<b>Other Protective Equipment</b>	Lab coat.		

**SECTION IX SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling & Storing**  
 Keep container tightly closed when not in use.  
 Suitable for any general chemical storage area.  
**Other Precautions**  
 Read label on container before using. Do not wear contact lenses when working with chemicals.  
 N/A

**Approved by** Steven C. Quandt **Effective Date** 10/14/2000 For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

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