



GARDENA, CA
NEW BRUNSWICK, NJ

Material Safety Data Sheet

NFPA	HMIS	Personal Protective Equipment						
	<table border="1"> <tr><td>Health Hazard</td><td style="text-align: center;">1</td></tr> <tr><td>Fire Hazard</td><td style="text-align: center;">1</td></tr> <tr><td>Reactivity</td><td style="text-align: center;">0</td></tr> </table>	Health Hazard	1	Fire Hazard	1	Reactivity	0	 See Section 15.
Health Hazard	1							
Fire Hazard	1							
Reactivity	0							

Section 1. Chemical Product and Company Identification		<i>Page Number: 1</i>								
Common Name/ Trade Name	Dextrose anhydrous									
Manufacturer	ProChem, Inc. 826 Roosevelt Rd. Rockford, IL 61109	<table border="1"> <tr><td>CAS#</td><td>50-99-7</td></tr> <tr><td>RTECS</td><td>LZ6600000</td></tr> <tr><td>TSCA</td><td>TSCA 8(b) inventory: Dextrose anhydrous</td></tr> <tr><td>CI#</td><td>Not available.</td></tr> </table>	CAS#	50-99-7	RTECS	LZ6600000	TSCA	TSCA 8(b) inventory: Dextrose anhydrous	CI#	Not available.
CAS#	50-99-7									
RTECS	LZ6600000									
TSCA	TSCA 8(b) inventory: Dextrose anhydrous									
CI#	Not available.									
Commercial Name(s)	Not available.	IN CASE OF EMERGENCY CHEMTREC (24hr) 800-424-9300 815-398-1788								
Synonym	D-Glucose									
Chemical Name	Not available.									
Chemical Family	Not available.									
Chemical Formula	C6H12O6									
Supplier										

Section 2. Composition and Information on Ingredients					
		<i>Exposure Limits</i>			
Name	CAS #	TWA (mg/m ³)	STEL (mg/m ³)	CEIL (mg/m ³)	% by Weight
1) Dextrose anhydrous	50-99-7	300			100
Toxicological Data on Ingredients	Not applicable.				

Section 3. Hazards Identification	
Potential Acute Health Effects	Slightly hazardous in case of eye contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

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Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Skin Contact	No known effect on skin contact, rinse with water for a few minutes.
Serious Skin Contact	Not available.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation	Not available.
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion	Not available.

Section 5. Fire and Explosion Data

Flammability of the Product	May be combustible at high temperature.
Auto-Ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label.
Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Safety glasses. Lab coat.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	TWA: 300 (ppm)
Consult local authorities for acceptable exposure limits.	

Section 9. Physical and Chemical Properties

Physical state and appearance	Solid.	Odor	Not available.
Molecular Weight	180.16 g/mole	Taste	Not available.
pH (1% soln/water)	Not available.	Color	Not available.
Boiling Point	Decomposes.		
Melting Point	146°C (294.8°F)		
Critical Temperature	Not available.		
Specific Gravity	1.562 (Water = 1)		
Vapor Pressure	Not applicable.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	See solubility in water.		
Solubility	Easily soluble in cold water.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Not available.

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Dextrose anhydrous

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Corrosivity	Non-corrosive in presence of glass.
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Special Remarks on Reactivity	Not available.
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Special Remarks on Corrosivity	Not available.
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Polymerization	No.
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Section 11. Toxicological Information

Routes of Entry	Not available.
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Toxicity to Animals	Acute oral toxicity (LD50): 25800 mg/kg [Rat].
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Chronic Effects on Humans	Not available.
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Other Toxic Effects on Humans	Slightly hazardous in case of ingestion, of inhalation.
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Special Remarks on Toxicity to Animals	Not available.
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Special Remarks on Chronic Effects on Humans	Passes through the placental barrier in human.
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Special Remarks on other Toxic Effects on Humans	Not available.
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Section 12. Ecological Information

Ecotoxicity	Not available.
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BOD5 and COD	Not available.
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Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
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Toxicity of the Products of Biodegradation	The products of degradation are more toxic.
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Special Remarks on the Products of Biodegradation	Not available.
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Section 13. Disposal Considerations

Waste Disposal	
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Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).
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Identification	Not applicable.
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Special Provisions for Transport	Not applicable.
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DOT (Pictograms)



Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations TSCA 8(b) inventory: Dextrose anhydrous

California Proposition 65 Warnings

Other Regulations Not available..

Other Classifications
 WHMIS (Canada) Not controlled under WHMIS (Canada).
 DSCL (EEC) This product is not classified according to the EU regulations.

<p>HMIS (U.S.A.)</p> <table border="1"> <tr> <td>Health Hazard</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Env. Hazards</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Personal Protection</td> <td style="text-align: center;">a</td> </tr> </table>	Health Hazard	1	Env. Hazards	1	Reactivity	0	Personal Protection	a	<p>National Fire Protection Association (U.S.A.)</p>	<table border="0"> <tr> <td style="text-align: center;">Health</td> <td style="text-align: center;"></td> <td style="text-align: center;">Flammability</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Reactivity</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Specific hazard</td> </tr> </table>	Health		Flammability			Reactivity			Specific hazard
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WHMIS (Canada) (Pictograms)

DSCL (Europe) (Pictograms)

TDG (Canada) (Pictograms)

ADR (Europe) (Pictograms)

Protective Equipment

Not applicable.
Lab coat.

Not applicable.
Safety glasses.

Section 16. Other Information

References Not available.

Other Special Considerations Not available.

PREPARATION DATE: JULY 2005

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, ProChem Chemicals, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.