

# Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200.

**United Sugars Corporation**  
Liquid Sugar

Identity (As Used on Label and List) <b>Sugar (Sucrose) Liquid solution</b>	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
--	---

## Section I

Manufacturer's Name <b>United Sugars Corporation</b>	Emergency Telephone Number <b>(612) 860-9433</b>
Address (Number, Street, City, State, and ZIP Code) <b>7803 Glenroy Road, Suite 300 Bloomington, MN 55439</b>	Telephone Number for Information <b>(952) 896-0426</b>
	Date Prepared <b>May 10, 2005</b>
	Signature of Preparer (optional)

## Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>No hazardous components</b>				
<b>Sugar CAS 57-50-1</b>				<b>68</b>
<b>Water</b>				<b>32</b>

## Section III - Physical/Chemical Characteristics

Boiling Point	<b>N/A</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>1.38 kg/m<sup>3</sup> 20/20</b>
Vapor Pressure (mm Hg.)	<b>N/A</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR = 1)	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>N/A</b>
Solubility in Water <b>N/A</b>			
Appearance and Odor <b>Liquid - colorless to golden in color</b>			

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits <b>N/A</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
Extinguishing Media	<b>N/A</b>		
Special Fire Fighting Procedures	<b>None</b>		
Dust hazard	<b>N/A</b>		
Unusual Fire and Explosion Hazards	<b>None</b>		

### Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid <b>N/A</b>
	Stable ✓	
Incompatibility ( <i>Materials to Avoid</i> ) <b>Strong oxidant</b>		
Hazardous Decomposition or Byproducts <b>None</b>		
Hazardous Polymerization	May Occur	Conditions to Avoid <b>N/A</b>
	Will Not Occur ✓	

### Section VI - Health Hazard Data

Route(s) of Entry: <b>N/A</b>	Inhalation?	Skin?	Ingestion?
Health Hazards ( <i>Acute and Chronic</i> ) <b>None</b>			
Carcinogenicity: <b>N/A</b>	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure <b>N/A</b>			
Medical Conditions Generally Aggravated by Exposure <b>N/A</b>			
Emergency and First Aid Procedures <b>N/A</b>			

### Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled <b>N/A</b>
Waste Disposal Method <b>Non-toxic and biodegradable. Discard as permitted by applicable regulations.</b>
Precautions to Be taken in Handling and Storing <b>Avoid fermentation or crystallization conditions. Use sanitized storage containers</b>
Other Precautions <b>None</b>

### Section VIII - Control Measures

Respiratory Protection ( <i>Specify Type</i> ) <b>No special requirements</b>		
Ventilation <b>N/A</b>	Local Exhaust <b>N/A</b>	Special <b>N/A</b>
	Mechanical ( <i>General</i> ) <b>N/A</b>	Other <b>N/A</b>
Protective Gloves <b>N/A</b>	Eye Protection <b>N/A</b>	
Other Protective Clothing or Equipment <b>None</b>		
Work/Hygienic Practices <b>No special requirements</b>		

### Section IX - Special Precautions

Precautions to be taken in Handling and Storing <b>N/A</b>
Other Precautions <b>N/A</b>

Each MSDS must be reviewed for correctness and completeness every three years.

Reviewed by: **Raymond Smith**

Revision date: **January 2, 2008**