

Safety Data Sheet

Part Number 325359

Section 1. Substance Identity and Company Contact Information

Product Name	Sucrose Standard Solution	Product Part Number(s)	325621, 296681, 285643, 325605, and 326168
Trade Name	Sucrose Standard Solution	Unit Size	5 mL
Company	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

Emergency No. 1-800-424-9300 (Chemtrec). Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

Section 2. Hazards Identification

Pictogram(s)



Signal Word	Warning	
Precautionary Statement(s)	May cause irritation.	
Emergency Overview	Not expected to be hazardous under normal conditions of use.	
Target Organ(s)	No data available	
Potential Health Effects	Eye:	May cause irritation.
	Skin:	May cause irritation.
	Ingestion:	May cause gastrointestinal discomfort in large doses.
	Inhalation:	May cause irritation to respiratory tract.
Chronic Effects/ Carcinogenicity	IARC:	No ingredients listed.
	NTP:	No ingredients listed.
	OSHA:	No ingredients listed.
Teratology (Birth Defects) Information	No data available	
Reproductive Information	No data available	
NFPA Ratings	Health:	1
	Flammability:	0
	Reactivity:	0
	Special Notice Key:	No data available
HMIS Rating	Health:	1
	Flammability:	0
	Reactivity:	0
	Protective Equipment:	No data available

Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Sucrose	57-50-1	1-30	10 mg/m ³	5 mg/m ³
Water	7732-18-5	99.9	None	None
Hydrochloric Acid	7647-01-0	<0.1	5 ppm for HCl ceiling limit	5 ppm (7 mg/m ³)

Section 4. First Aid Measures

General Advice	No data available
If Inhaled	Not expected to present a problem; however, if the exposed person is having trouble breathing, remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm and quiet and get medical attention.
In Case of Skin Contact	Wash exposed area with soap and water. Seek medical attention if irritation persists.
In Case of Eye Contact	Flush thoroughly with water. Seek medical attention if irritation persists.
If Swallowed	In quantities normally handled, symptoms would not be expected. If the person is swallowing and conscious, give him/her water. Seek medical attention if gastrointestinal irritation or other unexpected symptoms develop.
Indication of Any Immediate Medical Attention and Special Treatment Needed	No data available

Section 5. Fire-fighting Measures

General Information	No data available
Suitable Extinguishing Media	Use dry chemical, CO ₂ , or appropriate foam.
Special Hazards Arising from the Substance or mixture	No data available
Advice for Firefighters	No data available
Flash Point	No data available
Autoignition Temperature	No data available
Further Information	No data available

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	Wear proper personal protective equipment.
Environmental Precautions	No data available
Methods and Materials for Containment and Cleaning	Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.
Reference to Other Sections	For disposal, see Section 13.

Section 7. Handling and Storage

Precautions for Safe Handling	Keep container tightly sealed. Store in cool and dry place.
Conditions for Safe Storage, Including any Incompatibilities	Store at room temperature.
Specific End Use(s)	No data available

Section 8. Exposure Controls and Personal Protection

Components with Workplace Control Parameters	No information available
Appropriate Engineering Controls	No data available
Eye/Face Protection	Splash proof chemical safety goggles should be worn at all times.
Skin Protection	Rubber, neoprene, PVC, or equivalent
Body Protection	Lab coat, eye wash, and safety shower
Respiratory Protection	A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.
Control of Environmental Exposure	General ventilation

Section 9. Physical and Chemical Properties

Appearance	Form: Liquid; Color: Colorless
Odor	Odorless
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point	Approximately 0 °C
Initial Boiling Point and Boiling Range	Approximately 100 °C
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	Approximately 17.5 @ 20 °C
Vapor Density	Approximately 0.7
Relative Density	No data available
Water Solubility	Complete; product is an aqueous solution
Partition Coefficient : n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available
Other Safety Information	No data available

Section 10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable
Possibility of Hazardous Reactions	No decomposition if used according to specifications.
Conditions to Avoid	No data available
Incompatible Materials	Water reactive materials. Sucrose reacts vigorously with nitric acid or sulfuric acid (forms carbon monoxide and carbon dioxide).

Section 11. Toxicological Information

Routes of Exposure	<i>On the skin:</i>	Yes
	<i>On the eye:</i>	Yes
	<i>Inhalation:</i>	Yes
	<i>Ingestion:</i>	Yes
Respiratory or Skin Sensitization	No data available	
Signs and Symptoms of Overexposure	Refer to Section 3.	
Toxicity Data	<i>Oral Rat</i>	29,700 mg/kg

Section 12. Ecological Information

General Notes No special measures required.

Section 13. Disposal Considerations

Product Dispose of in accordance with all applicable federal, state, and local regulations.
Contaminated Packaging Dispose of in accordance with all applicable federal, state, and local regulations.

Section 14. Transport Information

DOT Shipping Name	Not regulated
UN Proper Shipping Name	Not regulated
DOT Hazard Class	Not regulated
Packing Group	Not regulated
UN Number	Not regulated
Hazardous Ingredients	Not regulated
DOT Label	Not regulated
DOT Placard	Not regulated
IMDG Shipping Name	Not regulated
UN Number	Not regulated
Class	Not regulated
Packing Group	Not regulated
IATA Shipping Name	Not regulated
Technical Shipping Name	Not regulated
IATA Hazard Class	Not regulated
UN Number	Not regulated
Hazardous Ingredients	Not regulated
IATA Label	Not regulated
IATA Placard	Not regulated

Section 15. Regulatory Information

OSHA Status	Not listed	
TSCA Status	On TSCA inventory	
CERCLA Reportable Quantity	No	
SARA Title III	No	
RCRA Status	No	
California Proposition 65	Not listed	
Chemical Weapons Convention	No	
TSCA 12 (b)	No data available	
SARA 311/312	Acute:	Yes
	Chronic:	No data available
	Fire:	No data available
	Pressure:	No data available
	Reactivity:	No data available
Australian Hazchem Code	No data available	
Poison Schedule	No data available	
WHMIS	No data available	

Section 16. Other Information

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