



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 1036  
Effective Date May 17, 1999

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SUCROSE, 20% AQUEOUS SOLUTION
Chemical Synonyms	Cane Sugar; Beet Sugar
Formula	Mixture.
Unit Size	up to 3.785 Lt.
C.A.S. No.	Mixture.

**HAZARD RATING**  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

**HEALTH** 0  
**FIRE** 0  
**REACTIVITY** 0

**HMIS\***  
3 4

CHEMTREC  
800-424-9300  
Day 716-226-6177

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sucrose: (CAS No. 57-50-1)	20%	None established.
Water: (CAS No. 7732-18-5)	80%	See Section V.
Sodium Benzoate (as preservative): (CAS No. 532-32-1)	0.1%	None established.

LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. -7°C (20°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 104°C (220°F)	Percent Volatile by Volume (%)	80%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (n-Butyl Acetate = 1)	Less than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white, water like liquid; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray; dry chemical (ABC); carbon dioxide (CO <sub>2</sub> ).				

### SPECIAL FIREFIGHTING PROCEDURES

This solution due to its chemical composition and/or its concentration does not present any firefighting hazards.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

There are no unusual fire and explosion hazard associated with this solution.

D.O.T. NON-REGULATED.

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

## SECTION V HEALTH HAZARD DATA

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### Threshold Limited Value

None established for this solution. (ACGIH 1992-93).

### Effects of Overexposure

May cause irritation to skin and eyes. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**EYES:** Flush with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention.  
**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**SKIN:** Flush with plenty of water. If irritation develops or persists, get medical attention.  
**INGESTION:** Treat symptomatically and supportively. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature or heat to cause evaporation.
	Stable	X	

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Combustion will produce smoke, carbon dioxide and/or carbon monoxide.
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Hazardous Polymerization	Conditions to Avoid	Not applicable.
May Occur	Will Not Occur	
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

### Steps to be taken in case material is released or spilled

Flush to sewer with copious amounts of water.

### 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.  
Dissolve in water and flush to sewer with copious amounts of water or dispose of in an approved incinerator.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If misty conditions prevail, work in fume hood or wear NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Not needed.	Special	No.
	Mechanical (General)	Not needed.	Other	No.

Protective Gloves	Not needed.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Lab coat, eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing materials. Wash thoroughly after handling.
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Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Remove and wash contaminated clothing before reuse.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 4	Date	5/17/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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