



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
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MSDS No. DD 21
Effective Date February 20, 1999

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	DEXTROSE, MONOHYDRATE	
Chemical Synonyms	Glucose	
Formula	C ₆ H ₁₂ O ₆ • H ₂ O	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	5996-10-1 (Monohydrate)	

NFPA
HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

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

Health	0
Fire	1
Reactivity	1

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Dextrose, Monohydrate	100%	None established.
LOW HAZARD FOR USUAL LABORATORY HANDLING;		
NON-TOXIC.		

SECTION III PHYSICAL DATA

Melting Point (°F)	148°C (298°F) Dried.	Specific Gravity (H ₂ O = 1)	1.5
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	6.3		
Solubility in Water	90 grams per 100 mL. water at 20°C.		
Appearance & Odor	White crystals or powder; 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	Carbon dioxide; dry chemical; water spray.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. **NON-REGULATED.**

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

SECTION V HEALTH HAZARD DATA

DD 21

Threshold Limited Value None established by (ACGIH 1992-93).

Effects of Overexposure **INHALATION:** Low hazard for usual laboratory handling. **SKIN:** Low hazard for usual laboratory handling. **EYES:** No specific hazard known. Contact may cause transient irritation. **INGESTION:** Expected to be a low ingestion hazard. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Wash with soap and water. 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. **INGESTION:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		
Incompatibility (Materials to Avoid)		Strong oxidizers.		
Hazardous Decomposition Products		Combustion will produce carbon dioxide, smoke and probably emits carbon monoxide.		
Hazardous Polymerization		Conditions to Avoid		
May Occur	Will Not Occur	Not applicable.		
	X			

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Sweep up and place in a suitable container for disposal. Flush spill area with soap and 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. Dispose of in an approved incinerator with an afterburner and scrubber or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask or work in ventilation hood.			
Ventilation	Local Exhaust	Not needed.	Special	No.
	Mechanical (General)	Not needed.	Other	No.
Protective Gloves	None needed.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Safety glasses, lab coat, eye wash station.			

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.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Remove and wash contaminated clothing.

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

Revision	No. 5	Date	2/20/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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