



**ALDON CORPORATION**

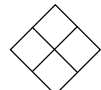
# MATERIAL SAFETY DATA SHEET

221 Rochester Street  
Avon, New York 14414-9409  
(585) 226-6177

MSDS No.: DD0021  
Effective Date: January 4, 2007

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	Dextrose, Monohydrate
<b>Chemical Synonyms</b>	Glucose
<b>Formula</b>	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> • H <sub>2</sub> O
<b>Unit Size</b>	up to 2.5 Kg.
<b>C.A.S. No.</b>	5996-10-1



**CHEMTREC**  
800-424-9300  
Day 585-226-6177

**NFPA**

HAZARD RATING  
MINIMAL SLIGHT MODERATE SERIOUS SEVERE  
0 1 2 3 4

<b>Health</b>	0
<b>Fire</b>	1
<b>Reactivity</b>	1

**HMIS \***

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Dextrose, monohydrate	100%	None established.
<b>USE IN KEEPING WITH GOOD LABORATORY PRACTICES.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	148°C (298°F) Dried.	Specific Gravity (H <sub>2</sub> 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

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air % by Volume</b>	N/A	Lower	Upper
<b>Extinguisher Media</b>	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.

## SECTION V HEALTH HAZARD DATA

DD0021

### Threshold Limited Value

None established by (ACGIH 2001).

### 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. Target organs: None known.

### Emergency and First Aid Procedures

**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature.
	<b>Stable</b>	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

<b>May Occur</b>	<b>Will Not Occur</b>
	X

Not applicable.

## 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.

<b>Ventilation</b>	<b>Local Exhaust</b>	Not needed.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Not needed.	<b>Other</b>	No.

<b>Protective Gloves</b>	None needed.	<b>Eye Protection</b>	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.

Keep container tightly closed when not in use.

### Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Remove and wash contaminated clothing.

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

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

Revision No. 9	Date 01/04/07	Approved James A. Bertsch	Chemical Safety Coordinator JAB
----------------	---------------	---------------------------	---------------------------------

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.