



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. XX 30  
Effective Date June 2, 1999

## SECTION V HEALTH HAZARD DATA

XX 30

### Threshold Limited Value

None established by ACGIH 1992-93.

### Effects of Overexposure

Target organs affected: None.  
This material is considered to be non-toxic. May cause irritation. 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

**INGESTION:** If swallowed, if conscious, give water or milk to drink. Induce vomiting, call physician immediately. Never give anything by mouth to an unconscious person. **EYES:** Flush with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Wash with soap and water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature.
	Stable	X		

Incompatibility (Materials to Avoid)	Oxidizing materials.
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Hazardous Decomposition Products	Carbon monoxide and/or carbon dioxide.
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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	Vacuum or sweep material into an appropriately marked container for reclamation or disposal. Avoid excessive generation of dust. Wash spill area with soap and water.
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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 accordance with federal, state and local regulations.	

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA-approved respirator or work in ventilation hood.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, lab coat, apron, proper gloves, eye wash station, ventilation hood.			

## 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.
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Avoid contact with the eyes. Use adequate ventilation. Do not inhale or ingest. Remove and wash contaminated clothing.

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

Revision No. 2	Date 6/2/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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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.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	D (+) Xylose	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4  <b>HMIS *</b> Health 0 Fire 1 Reactivity 1
Chemical Synonyms	Wood Sugar	
Formula	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub>	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	58-86-6	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
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D (+) Xylose	100%	None established.
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**CAUTION! LOW HAZARD FOR USUAL LABORATORY HANDLING. MAY CAUSE IRRITATION TO EYES.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	144-145°C (153-154°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.525 at 20°/4°C
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)	5.2		
Solubility in Water	125 grams per 100 mL. water at 20°C.		
Appearance & Odor	White crystalline 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
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Extinguisher Media Use any media to extinguish surrounding fire.

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### 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