



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
Avon, New York 14414  
(716) 226-6177

MSDS No. LL 20  
Effective Date August 10, 1998

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	LACTOSE	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>HEALTH</td> <td>0</td> </tr> <tr> <td>FIRE</td> <td>1</td> </tr> <tr> <td>REACTIVITY</td> <td>1</td> </tr> </table> <p>HMIS*</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table>	HEALTH	0	FIRE	1	REACTIVITY	1	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4
HEALTH	0																	
FIRE	1																	
REACTIVITY	1																	
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1	2	3	4														
<b>Chemical Synonyms</b>	Milk Sugar																	
<b>Formula</b>	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> •H <sub>2</sub> O																	
<b>Unit Size</b>	up to 2.5 Kg.																	
<b>C.A.S. No.</b>	64044-51-5																	

## SECTION II INGREDIENTS OF MIXTURES

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

## SECTION III PHYSICAL DATA

Melting Point (°F)	202°C (395°F) dec.	Specific Gravity (H <sub>2</sub> O = 1)	Data not listed.
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	Data not listed.
Vapor Pressure (mm Hg)	Data not listed.	Evaporation Rate (=1)	Data not listed.
Vapor Density (Air=1)	1.56		
Solubility in Water	20 grams per 100 mL. water at 20°C.		
Appearance & Odor	White powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Dusty conditions are a potential dust explosion hazard. 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

LL 20

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

### Effects of Overexposure

**EYES:** No specific hazard known. However, any material that contacts the eye may be irritating. **SKIN:** Low hazard for usual laboratory handling.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush thoroughly with water.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperatures or heat.
	<b>Stable</b>	X		

<b>Incompatibility (Materials to Avoid)</b>	Strong oxidizers.
---	-------------------

<b>Hazardous Decomposition Products</b>	Not applicable.
---	-----------------

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>	
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

<b>Steps to be taken in case material is released or spilled</b>	Dissolve in water and flush to sewer with copious amounts of water.
--	---

<b>Waste Disposal Method</b>	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 or if uncontaminated, material may be disposed of in a sanitary landfill.
------------------------------	--

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.			
<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>	Not needed.	<b>Eye Protection</b>	Chemical safety glasses.
--------------------------	-------------	-----------------------	--------------------------

<b>Other Protective Equipment</b>	Eye wash station, ventilation hood, lab coat.
-----------------------------------	---

## SECTION IX SPECIAL PRECAUTIONS

<b>Precautions to be Taken in Handling &amp; Storing</b>	Store in a cool, dry place away from strong oxidizing agents. Wash thoroughly after handling.
--	---

<b>Other Precautions</b>	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.

<b>Revision</b> No. 5	<b>Date</b> 8/10/98	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
-----------------------	---------------------	---------------------------------	---------------------------------------

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.