




**ALDON
CORPORATION**

MATERIAL SAFETY DATA SHEET

1533 W.Henrietta Rd.
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MSDS No. LL 20
Effective Date August 10, 1998

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	LACTOSE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 1 1 4
Chemical Synonyms	Milk Sugar	
Formula	C ₁₂ H ₂₂ O ₁₁ •H ₂ O	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	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 ₂ 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

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

Stability	Unstable Stable	Conditions to Avoid	Excessive temperatures or heat.
Incompatibility (Materials to Avoid)	Strong oxidizers.		
Hazardous Decomposition Products	Not applicable.		
Hazardous Polymerization	May Occur Will Not Occur	Conditions to Avoid	Not applicable.
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Dissolve in water and flush to sewer with copious amounts of 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 an approved incinerator or if uncontaminated, material may be disposed of in a sanitary landfill.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a 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.

Other Protective Equipment Eye wash station, ventilation hood, lab coat.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from strong oxidizing agents. 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.

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

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