



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No.: MM0240
Effective Date: January 12, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	D-Mannitol
Chemical Synonyms	Manna Sugar, Mannite
Formula	C ₆ H ₁₄ O ₆
Unit Size	up to 2.5 Kg.
C.A.S. No.	69-65-8



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

Health	0
Fire	2
Reactivity	1

NFPA

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

HMIS*

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
D-Mannitol	100%	None established.
WARNING! HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION.		
MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR.		

SECTION III PHYSICAL DATA

Melting Point (°F)	167°C (333°F)	Specific Gravity (H ₂ O = 1)	1.52 at 20°C
Boiling Point (°F)	290-295°C (554-563°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Butyl acetate =1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	1 gram/5.5 ml of water		
Appearance & Odor	White crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	149°C (300°F)	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray; carbon dioxide (CO ₂); dry chemical (ABC).				

SPECIAL FIREFIGHTING PROCEDURES

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

Auto-ignition temperature: Dust cloud 460°C (860°F)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

SECTION V HEALTH HAZARD DATA

MM0240

Threshold Limited Value OSHA PEL: 15 mg/m³ total dust, 5 mg/m³ respirable fraction for nuisance dusts.

Effects of Overexposure **INHALATION:** May cause respiratory tract irritation. **SKIN:** May cause irritation and discoloration of skin. **EYES:** May cause irritation, redness, pain. **INGESTION:** May cause gastric irritation, nausea, diarrhea. Large doses produce vomiting, chills, dizziness, chest pain, heart failure and pulmonary edema. 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

Stability	Unstable		Conditions to Avoid	Excessive temperature, ignition sources.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers

Hazardous Decomposition Products Thermal decomposition or burning may produce carbon dioxide and/or carbon monoxide.

Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Recover for use if not contaminated. Avoid creating dust conditions. Sweep up and place in a suitable container for proper disposal. Wash 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 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 dust mask or respirator.			
Ventilation	Local Exhaust	None needed.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves Recommended. **Eye Protection** Chemical safety goggles.

Other Protective Equipment Eye wash station, lab coat, face shield, ventilation hood, class B extinguisher.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from strong oxidizers, ignition sources. 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.

Use with adequate ventilation.
Remove and wash contaminated clothing.

Revision No.	2	Date	01/12/07	Approved	James A. Bertsch	Chemical Safety Coordinator	JAB
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