



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. MM 240
Effective Date October 13, 1998

SECTION V HEALTH HAZARD DATA

MM 240

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 discolorization of skin. **EYES:** May cause irritation, redness, pain. **INGESTION:** May cause gastric irritation, nausea, diarrhea.

Emergency and First Aid Procedures **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **SKIN:** Flush thoroughly with soap and water. **EYES:** Flush thoroughly with water for 15 minutes. If irritation develops or persists, get medical attention.

SECTION VI REACTIVITY DATA

Stability **Unstable** **Conditions to Avoid** Excessive temperature, heat, ignition sources.

Incompatibility (Materials to Avoid) Strong oxidizers (Nitric acid, Potassium permanganate, chlorates, etc.).

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** 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 an approved incinerator 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 respirator.

Ventilation **Local Exhaust** None needed. **Special** No. **Mechanical (General)** Recommended. **Other** No.

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

Other Protective Equipment Eye wash station, lab coat, goggles, 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.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Use with adequate ventilation.
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** 10/13/98 **Approved** Michael Raszeja **Chemical Safety Coordinator** 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.

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

1
1
0

CHEMTREC
800-424-9300
Day 716-226-6177

NFPA
HAZARD RATING
LEAST SLIGHT MODERATE
0 1 2

Health 0
Fire 2
Reactivity 1

HMIS *
HIGH EXTREME
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
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D-Mannitol	100%	None established.
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WARNING! MAY CAUSE IRRITATION.

MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR.

SECTION III PHYSICAL DATA

Melting Point (°F)	(329-332°C)	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)	Negligible as solid.	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	6.3		
Solubility in Water	19 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)	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. Powder form dispersed in air is capable of creating a dust explosion.

D.O.T. NON-REGULATED.

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