Synonyms:
D-Manninol, Isotol
D-Manninol, Isotol
Company Identification: Fisher Scientific
I Reagent Lane
Fairlawn, NJ 07410
For information, call: 201-796-7100
Emergency Number:
201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887 Appearance: white.
Caution! This is expected to be a low hazard for usual industrial handling. May cause mechanical eye and skin irritation.
Target Organs: None. Catalog Numbers: \$80072-1, BP686 500, BP686-500, BP686500, M120-3, M120-500, M120-3, M120-500, M1203, M1203LOT001, M120500, M124-12, M124-212, M124-500, M124212 M12450, M124500, ZZM120X28 General Information:

As in any fire, wear a self-contained breathing apparatus in As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIQSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air.

Explosive mixtures with air.

For small fires, use water spray, dry chemical, carbon dioxide or chemical foam. Temperature: 860 deg F (460.00 deg C)

Flash Point: 149 deg C (300.20 deg F)

NFPA Rating: Not published.

Explosion Limits, Lower: 0.065 gm/L

Upper: Not available. Potential Health Effects MSDS Name: Mannitol Inhelation:
Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Get medical aid.
Notes to Physician:
Treat symptomatically and supportively. DATE: Eyes:
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid. Chronic: No information found. May cause skin irritation. Low hazard for usual industrial handling Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. Expected to be a low ingestion hazard. Ingestion:
If victim is conscious and alert, give 2-4 cuptuls of milk or water.
Never give anything by mouth to an unconscious person. Get medical Eye:
Dust may cause mechanical irritation. 69-65-8 D-mannitol **** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION **** **** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS **** Get medical aid if irritation develops or persists. Flush skin with Low hazard for usual industrial handling. Inhalation of dust may cause respiratory tract irritation. lenty of soap and water. 03/26/98 **** SECTION 3 - HAZARDS IDENTIFICATION **** **** SECTION 5 - FIRE FIGHTING MEASURES **** **** SECTION 4 - FIRST AID MEASURES **** **** MATERIAL SAFETY DATA SHEET **** **EMERGENCY OVERVIEW** Chemical Name ACCT: CAT NO: M120500 742982001 00 % PO NBR: N/A 200-711-8 and full EINECS# PAGE: 1

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

Carcinogenicity:
D-mannitol
D-mannitol
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology:

Vapor Pressure:
Vapor Density:
Vapor Physical State: Appearance: Molecular Weight: D-mannitol RTECS#: CAS# 69-65-8: OP2060000 LD50/LC50: CAS# 69-65-8: Oral, mouse: LD50 = 22 gm/kg; Oral, rat: LD50 = 13500 Stable.
Conditions to Avoid:
Conditions to Avoid:
Incompatibilities with Other Materials:
Oxidizing materials.
Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported. Chemical Name DATE: Storage: Store in a cool, dry place. Keep from contact with oxidizing materials. OSHA Vacated PELs: D-mannitol: Handling:
Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Spills/Leaks:
Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Chemical Stability: Engineering Controls:
Use adequate ventilation to keep airborne concentrations low General Information: Use proper personal protective equipment as indicated in Section 8. Personal Protective Equipment Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH-approved respirator when **** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION **** Clothing:
Wear appropriate protective clothing to minimize contact with skin. **** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES **** mannitor: No OSHA Vacated PELs are listed for this chemical Eyes:
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. **** SECTION 11 - TOXICOLOGICAL INFORMATION **** Skin: Wear appropriate protective gloves to prevent skin exposure. 03/26/98 **** SECTION 10 - STABILITY AND REACTIVITY **** **** SECTION 7 - HANDLING and STORAGE **** none listed Exposure Limits ACGIH CAT NO: M120500 ACCT: none listed 742982001 HSOIN none listed OSHA - Final PELs PO NBR: N/A PAGE: 2

US FEDERAL TSCA STATE Dispose of in a manner consistent with federal, state, and local regulations. RCRA D-Series Maximum Concentration of Contaminants:

None listed.

RCRA D-Series Chronic Toxicity Reference Levels: None ICRA F-Series: None listed. ICRA P-Series: None listed. ICRA U-Series: None listed. Vot listed as a material banned from land disposal sccording to RCRA. NJ.
California No Significant Risk Level:
None of the chemicals in this product are listed.
European/International Regulations Ecotoxicity:
Not available.
Environmental Fate:
Not available.
Physical/Chemical:
Not available. No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors. This material does not contain any Class 2 Ozone depletors. Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

under the CWA. Teratogenicity:

No data available.

No data available.

Reproductive Effects:

No data available. No information available. US DOT No information available Other: Not available. Other Studies.
No data available. No information available. Canadian TDG No information available. IATA Neurotoxicity:
No data available.
Mutagenicity: INDEX: N/A CAS# 69-65-8 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA. mannitol is not present on state lists from CA, PA, MN, MA, FL, or Section 302 (RQ)
None of the chemicals in this material have an RQ.
None of the chemicals in this product because of the chemical None of the chemicals in this product are considered highly hazardous by OSHA. No information available No data available. r Studies: **** SECTION 13 - DISPOSAL CONSIDERATIONS **** **** SECTION 15 - REGULATORY INFORMATION **** **** SECTION 14 - TRANSPORT INFORMATION **** **** SECTION 12 - ECOLOGICAL INFORMATION **** ACCT: 7429820 CAT NO: M120500 PO NBR: N/A

> INDEX: N/A CAT NO: M120500 PO NBR: N/A

DATE:

03/26/98

ACCT:

742982001

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DATES

03/26/98

742982001

European Labeling in Accordance with EC Directives Hazard Symbols: Not available.
Risk Phrases:
Safety Phrases:
Safety Phrases:
WGK (Water Danger/Protection)
CAS# 69-65-8: 0

Canada
CAS# 69-65-8 is listed on Canada's DSL/NDSL List.
This product has a WHMIS classification of D2B.
CAS# 69-65-8 is not listed on Canada's Ingredient Disclosure List.
Exposure Limits

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 1/09/1995 Revision #8 Date: 9/02/1997

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howscever arising, even if Fisher has been advised of the possibility of such damages.