

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Chemical type : Substance
 Name : MANNITOL (All Grades)
 EC no : 200-711-8
 CAS No. : 69-65-8
 SDS CODE : E042

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses

Use of the substance/preparation : Food/pharmaceutical products

1.2.2. Uses advised against

No reliable data available.

1.3. Details of the supplier of the safety data sheet

Lab Alley LLC
 22111 Highway 71 West, Suite 601
 Spicewood, Texas 78669
 Tel.: 512-668-9918

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.1.2. Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

2.1.3. Adverse physicochemical, human health and environmental effects

No reliable data available.

2.2. Label elements
2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.2.2. Labelling according to Directive 67/548/EEC or 1999/45/EC

No labelling applicable

2.3. Other hazards

No reliable data available.

SECTION 3: Composition/information on ingredients
3.1. Substances

Name	Product identifier	%	Classification according to Directive 67/548/EEC
D-Mannitol	(CAS No.) 69-65-8 (EC no) 200-711-8	100	Not classified
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
D-Mannitol	(CAS No.) 69-65-8 (EC no) 200-711-8	100	Not classified

3.2. Mixtures

Not applicable

SECTION 4: First aid measures
4.1. Description of first aid measures

First-aid measures after inhalation : If respiratory irritation occurs upon inhalation, remove to fresh air. Seek medical attention if symptoms develop or persist.

First-aid measures after skin contact : After contact with skin, wash immediately with water and soap. If skin irritation persists, take medical advice.

MANNITOL (All Grades)

Safety Data Sheet

according to Regulation (EC) No. 453/2010

First-aid measures after eye contact	: Immediately rinse with plenty of water. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. If the quantity swallowed is significant : Immediately get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: During normal handling and usage, including ingestion, mannitol would not be expected to produce significant toxicity due to being poorly absorbed by the gastrointestinal tract. Ingestion of large amounts may produce some discomfort and gastrointestinal disturbances including a laxative action. Most overexposures to mannitol occur as a result of intravenous infusion and may result in adverse health effects.
Symptoms/injuries after inhalation	: Overexposure may be irritating to the respiratory system.
Symptoms/injuries after skin contact	: No skin irritation can be expected from single short-term exposure to this product. Repeated or prolonged contact may cause slight irritation to the skin.
Symptoms/injuries after eye contact	: Dust from this product may cause eyes irritation. Significant irritation would not be expected.
Symptoms/injuries after ingestion	: Ingestion of small amounts would not be expected to produce toxicity. ingestion of large amounts may produce gastrointestinal disturbances. including a laxative action.

4.3. Indication of any immediate medical attention and special treatment needed

No reliable data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	: carbon dioxide (CO ₂), dry chemical powder, foam. Water fog.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not combustible. minimal fire hazard.
Explosion hazard	: Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition source.
Reactivity	: Combustion generates : Carbon dioxide. Carbon monoxide. low molecular weight hydrocarbons.

5.3. Advice for firefighters

Protective equipment for firefighters	: Extra personal protection: complete protective clothing including self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No reliable data available.

6.1.2. For emergency responders

Protective equipment	: Refer to section 8.
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6.2. Environmental precautions

No reliable data available.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. If sweeping of a contaminated area is necessary, use a dust suppressant agent. Avoid raising powdered materials into airborne dust.
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6.4. Reference to other sections

No reliable data available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with eyes. Avoid raising powdered materials into airborne dust. Use only non-sparking tools. Remove all sources of ignition. Wash hands thoroughly after handling.
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7.2. Conditions for safe storage, including any incompatibilities

Storage condition(s)	: Keep container tightly closed. Store at room temperature.
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7.3. Specific end use(s)

No reliable data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No reliable data available.

8.2. Exposure controls

Appropriate engineering controls	: Exposures should be minimized in accordance with good industrial hygiene practices. Provide adequate ventilation to minimize dust concentrations.
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MANNITOL (All Grades)

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Personal protective equipment

: Safety glasses. Gloves. Protective clothing.



Hand protection

: Wear impervious gloves for prolonged contact.

Eye protection

: safety glasses with side-shields.

Skin and body protection

: Wear suitable protective clothing. Wear long sleeves.

Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

Consumer exposure controls

: Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: crystalline granules or powder.
Molecular mass	: 182.17
Colour	: white.
Odour	: None.
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Solidification point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relat. evapor. rate comp. to butylacetate	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.52 g/cm ³
Solubility	: Soluble in water.
Log Pow	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available

9.2. Other information

No reliable data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Combustion generates : Carbon dioxide. Carbon monoxide. low molecular weight hydrocarbons.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

No reliable data available.

10.4. Conditions to avoid

Avoid raising powdered materials into airborne dust.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

carbon oxides. low molecular weight hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

MANNOGEM™ MANNITOL (All Grades) (69-65-8)	
LD50 oral rat	13500 mg/kg
ATE (oral)	13500 mg/kg

MANNITOL (All Grades)

Safety Data Sheet

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SECTION 12: Ecological information

12.1. Toxicity

No reliable data available.

12.2. Persistence and degradability

No reliable data available.

12.3. Bioaccumulative potential

No reliable data available.

12.4. Mobility in soil

No reliable data available.

12.5. Results of PBT and vPvB assessment

No reliable data available.

12.6. Other adverse effects

No reliable data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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| Regional legislation (waste) | : Dispose of contents/container to Comply with applicable local, national and international regulations. |
| Additional information | : Empty container retains product residue. Do not distribute, make available, furnish or reuse empty container. Puncture or otherwise destroy empty container before disposal. except for storage and shipment of original product. |

SECTION 14: Transport information

This product is not regulated as Dangerous Goods as Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO/IATA)

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No reliable data available.

15.1.2. National regulations

No reliable data available.

15.2. Chemical safety assessment

No reliable data available.

SECTION 16: Other information

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| Sources of Key data | : SDS. |
| Abbreviations and acronyms | : CLP - Classification, Labelling and Packaging. CSR: Chemical Safety Report. EC - European Community. GHS - Globally Harmonised System. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. SDS - Safety Data Sheet . ASTM - American Society for Testing and Materials . EEC: European Economic Community. |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.