

## D-MANNITOL

### SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: D-MANNITOL  
Product Code: CM 23,451  
CAS#: 69-65-8  
CI#: Not available  
Synonym: Mannite  
Chemical Name: Not available  
Chemical Formula:  $C_6H_{14}O_6$

### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Synonyms: Mannite  
Formula:  $C_6H_{14}O_6$   
Molecular weight: 182,17 g/mol  
CAS-No. : 69-65-8

### SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture  
Classification according to Regulation (EC) No 1272/2008 :not a hazards substance or mixture  
Classification according to EU Directives 67/548/EEC or 1999/45/EC not a hazards substance or mixture

### SECTION 4: FIRST AID MEASURES

Description of first aid measures  
General advice Consult a physician. Show this safety data sheet to the doctor in attendance.  
If inhaled If breathed in. Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
In case of skin contact Wash off with soap and plenty of water. Consult a physician.  
In case of eye contact Flush eyes with water as a precaution.  
If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
Most important symptoms and effects, both acute and delay No data available  
Indication of any immediate medical attention and special treatment needed no data available

### SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing media  
Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Special hazards arising from the substance or mixture Carbon oxides  
Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.  
Environmental precautions Do not let product enter drains.  
Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers.

## SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols.  
Provide appropriate exhaust ventilation at places where dust is formed.  
Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Non Combustible Solids  
Specific end use(s) A part from the uses no other specific uses are stipulated

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure controls

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.

### Personal protective equipment

Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	:White free flowing powder
Colour	:Not available
Odour	:Not available
Odour Threshold	:Not available
pH	:Not available
Melting point/freezing point	:Not available
Initial boiling point and boiling range	:Not available
Flash point	:Not available
Evaporation rate	:Not available
Flammability (solid, gas)	:Not available
Upper/lower flammability or explosive limits	:Not available
Vapour pressure	:Not available
Vapour density	:Not available
Relative density	:Not available
Water solubility	:Soluble in water
Partition coefficient	:Not available
Auto-ignition temperature	:Not available

## SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity: no data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: no data available

Conditions to avoid: Exposure to light may affect product quality.



Incompatible materials: Strong oxidizing agents  
Hazardous decomposition products  
Other decomposition products: - no data available

#### SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects Acute toxicity: LD50 Oral - Rat - 13.500 mg/kg  
Inhalation: no data available  
Dermal: no data available  
Skin corrosion/irritation: no data available  
Serious eye damage/eye irritation: no data available  
Respiratory or skin sensitization: no data available  
Carcinogenicity :  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as

#### SECTION 12: ECOLOGICAL INFORMATION

Toxicity: no data available  
Persistence and degradability: no data available  
Bioaccumulative potential: no data available  
Mobility in soil no data available  
Results of PBT and vPvB assessment PBT/vPvB assessment: no data available  
Other adverse affects: no data available

#### SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.  
Contaminated packaging: Dispose of as unused product.

#### SECTION 14: TRANSPORT INFORMATION

UN number		
ADR/RID:	IMDG: -	IATA: -
Transport hazard class(es)		
ADR/RID:	IMDG: -	IATA: -
Packaging group		
ADR/RID:	IMDG: -	IATA: -
Environmental hazards		
ADR/RID: no	IMDG: - marine pollutant no.	IATA: -no

#### SECTION 15: OTHER REGULATORY INFORMATION

Regulatory information This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
Safety, health and environmental regulations/legislation specific for the substance or mixture: No data available  
Chemical Safety Assessment For this product a chemical safety assessment was not carried out

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements.

Not Applicable

Other Special Considerations: Not available

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