

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 21/11/2014 Revision date: : Version: 1.0

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance

Trade name : MANNOGEM™ Mannitol USP/FCC (All Grades)

Chemical name : D-mannitol
EC no : 200-711-8
CAS No : 69-65-8
REACH Registration No. : Not applicable

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

Use of the substance/mixture : Pharmaceutical ingredient

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

SPI Pharma SAS Chemin du Vallon du Maire 13240 Septemes Les Vallons France

T 33 4 91 96 36 00 - F 33 4 91 65 39 03

CBlasquez@spipharma.com

#### 1.4. Emergency telephone number

Emergency number : +33 4 91 96 36 00 (Not 24 hours, business hours only)

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

## Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

#### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

## Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

## 3.1. Substance

Name : MANNOGEM™ Mannitol USP/FCC (All Grades)

CAS No : 69-65-8 EC no : 200-711-8

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

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Full text of R- and H-phrases: see section 16

#### 3.2. Mixture

Not applicable

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice

(show the label where possible).

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest. In all cases of doubt, or when symptoms

persist, seek medical advice.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by

warm water rinse. Seek medical attention if irritation develops.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. If a large quantity has been ingested : Obtain emergency

medical attention.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after inhalation : Overexposure to dusts may produce slight irritation of the respiratory system.

Symptoms/injuries after eye contact : May cause slight irritation to eyes.

Symptoms/injuries after ingestion : On ingestion in large quantities : may cause gastrointestinal disturbance.

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

None known.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Explosion hazard : Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition

source.

Hazardous decomposition products in case of : Thermal dec

ire

: Thermal decomposition generates : Carbon dioxide. Carbon monoxide. Low molecular weight

hydrocarbons.

#### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire-fighting water from entering environment.

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

## 6.3. Methods and material for containment and cleaning up

For containment : Contain the discharged material using dust suppressant.

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from

other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Avoid contact with eyes. Avoid generation of dust. Remove all sources of ignition. Use only non-sparking tools. Wash hands and other exposed areas with mild

soap and water before eating, drinking or smoking and when leaving work.

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#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store at room temperature. Keep container tightly closed. Incompatible products : Strong bases. Strong acids. Strong oxidizing agents.

Incompatible materials : Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Odour threshold

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize exposure to dust. Exposures

should be minimized in accordance with good industrial hygiene practices.

Personal protective equipment : Avoid all unnecessary exposure. Protective goggles. Gloves.





Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

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

No data available

No data available

No data available

No data available

Other information : Do not eat, drink or smoke during use.

### **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : White crystalline powder or granules.

Colour : White.
Odour : None.

рΗ No data available Relative evaporation rate (butyl acetate=1) No data available Melting point No data available No data available Freezing point **Boiling point** Not applicable Flash point No data available Auto-ignition temperature No data available Decomposition temperature No data available Non flammable Flammability (solid, gas) Vapour pressure Not applicable Relative vapour density at 20 °C No data available Relative density No data available Density 1.52 (Specific Gravity) Solubility Water: Soluble Log Pow No data available Viscosity, kinematic Not applicable Viscosity, dynamic Not applicable

9.2. Other information

No additional information available

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Explosive properties

Oxidising properties

**Explosive limits** 

Stable.

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#### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Accumulation of airborne dusts.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

#### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. Low molecular weight hydrocarbons.

### **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

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D-mannitol (69-65-8)	
LD50 oral rat	13500 mg/kg
Skin corrosion/irritation	: Not classified  Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met  Not classified  Record on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met  : Not classified
Carcinogenicity	Based on available data, the classification criteria are not met  Not classified  Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified  Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified  Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified  Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified

**SECTION 12: Ecological information** 

Potential Adverse human health effects and

#### 12.1. Toxicity

symptoms

No additional information available

## 12.2. Persistence and degradability

MANNOGEM™ Mannitol USP/FCC (All Grades) (69-65-8)	
Persistence and degradability	Not established.

Based on available data, the classification criteria are not met

: Based on available data, the classification criteria are not met.

## 12.3. Bioaccumulative potential

MANNOGEM™ Mannitol USP/FCC (All Grades) (69-65-8)	
Bioaccumulative potential	Not established.

#### 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Other adverse effects

: Avoid release to the environment

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should

be rinsed and discarded in a waste container or offered for recycling if possible. Do not re-use

empty containers except for storage and shipment of original product.

Ecology - waste materials : Avoid release to the environment.

## **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

#### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### **IMDG**

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

## 14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

## 14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available

## 14.6. Special precautions for user

#### 14.6.1. Overland transport

No additional information available

#### 14.6.2. Transport by sea

No additional information available

## 14.6.3. Air transport

No additional information available

## 14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

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## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

#### SECTION 15: Regulatory information

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

#### **EU-Regulations** 15.1.1.

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations

: Compliance with following regulations: Directive 1999/45/EC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

#### 15.1.2. **National regulations**

No additional information available

#### **Chemical safety assessment**

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE Sources of Key data

COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending

Regulation (EC) No 1907/2006.

ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling Abbreviations and acronyms

and Packaging, CSR - Chemical Safety Report. EEC - European Economic Community, GHS Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH -Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term

Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very

Bioaccumulative.

Other information None.

SDS EU (REACH Annex II)

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

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