

Trade name: Mannitolum

Substance number: 065544

Version: 3 / CH

Date revised: 04.09.2019

Replaces Version: 2 / CH

Print date: 04.09.19

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

1.1. Product identifier

Mannitolum

Item No. 06554400

Substance / product identification

CAS-No. 69-65-8

EINECS-No. 200-711-8

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

Dust can form an explosive mixture with air. The product contains no PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

Other information

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove affected person from danger area. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with eyes rinse thoroughly with water. In case of irritation consult an oculist.

After ingestion

In the event of symptoms take medical treatment.

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

Diarrhoea

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet

Non suitable extinguishing media

Carbon dioxide, Dry powder

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment

6.2. Environmental precautions

No special measures required.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Rinse away rest with water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool place. Keep in a dry place.

Hints on storage assembly

Do not store with strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

General industrial hygiene practice.

Respiratory protection

Breathing apparatus in the event of aerosol.

Hand protection

Not suitable

Eye protection

Safety glasses

Body protection

Not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Form	Powder			
Colour	white			
Odour	odourless			
pH value				
Value	5.5	to	6.5	
Temperature	20	°C		
Melting point				
Value	appr. 166			°C
Initial boiling point and boiling range				
Remarks	not determined			
Flash point				
Remarks	not determined			
Upper/lower flammability or explosive limits				
Lower explosion limit	30	to	60	g/m ³
Vapour pressure				
Remarks	not determined			
Density				
Value	appr. 0.59			g/ml
Remarks	Relative Density according specification			
Solubility in water				
Value	appr. 250			g/l
Temperature	20	°C		
Remarks	soluble			
Partition coefficient: n-octanol/water				
log Pow	appr. 3.1			
Ignition temperature				
Value	460			°C
Minimum ignition energy				
Minimum ignition energy	40	to	50	MJ

9.2. Other information**Other information**

The product is capable of dust explosions.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

Formation of explosive gas/air mixtures. Strong oxidising agents

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10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, Oxygen

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Species	mouse		
LD50	22		g/kg
Species	rat		
LD50	13.5		g/kg

Skin corrosion/irritation

Species evaluation	Human slightly irritant
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Sensitization

Route of exposure	dermal
Remarks	No sensitisation effect known.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Remarks	No data available.
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Daphnia toxicity

Species	Daphnia magna		
NOEC	>= 99.4		mg/l
Duration of exposure	48	h	
EC50	>= 99.4		mg/l
Duration of exposure	48	h	

Algae toxicity

Species	Desmodesmus subspicatus		
NOEC	>= 99.4		mg/l
Duration of exposure	72	h	

12.2. Persistence and degradability**Biodegradability**

evaluation	biodegradable
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12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

log Pow	appr. 3.1
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Bioconcentration factor (BCF)

BCF	appr. 1
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12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential**

The product contains no PBT or vPvB substances.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

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Disposal recommendations for the product

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information**SECTION 16: Other information****Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.