

Trade name: Magnesii chloridum hexahydr

Substance number: 065232

Version: 3 / CH

Date revised: 17.12.2018

Replaces Version: 2 / CH

Print date: 01.10.19

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

1.1. Product identifier

Magnesii chloridum hexahydr

Item No. 06523200

Registration no.

Registration no. 01-2119485597-19-XXXX

Substance / product identification

CAS-No. 7791-18-6

EINECS-No. 232-094-6

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

Use of the substance/preparation

pharmacy, industry

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
person responsible
for this SDS sdb@haenseler.ch

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

Voluntary product information following the Safety Data Sheet format

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

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Chemical characterization

Single substance

Molecular weight

Value 203.30 g/mol

Further ingredients

Magnesium chloride hexahydrate

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Concentration >= 95 %
Advice: [4]

Note

[4] Voluntary information

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Remove the casualty into fresh air and keep him calm.

After skin contact

Wash off immediately with soap and water and rinse well. Remove contaminated, soaked clothing immediately and dispose of safely. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Let plenty of water be drunk in small gulps. In the event of symptoms take medical treatment.

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

Irritation of respiratory organs, if swallowed: Vomiting, Diarrhoea

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

The product is not combustible. If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: Hydrogen chloride (HCl)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Use personal protective clothing.

Other information

Suppress vapours with water spray jet. Do not discharge into surface waters/groundwater.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Do not inhale dust.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

Dampen, pick up mechanically and dispose of. Clean up affected area.

SECTION 7: Handling and storage**7.2. Conditions for safe storage, including any incompatibilities**

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Requirements for storage rooms and vessels

Keep in a dry place.

Hints on storage assembly

Do not store together with: solvents

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

Wash contaminated clothing before reuse. Wash hands before breaks and after work. Provide adequate ventilation.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Particle filter P2

Hand protection

Gloves

Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	> 480 min

Eye protection

necessary

Body protection

Protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	solid		
Colour	colourless		
Odour	odourless		
pH value			
Value	5.5	to	7
Concentration/H ₂ O	5	%	
Temperature	20	°C	
Melting point			
Value	118		°C
Initial boiling point and boiling range			
Value	160		°C
Flash point			
Remarks	Not applicable		
Flammability (solid, gas)			
Not ignitable			
Density			
Value	1.57		g/cm ³
Temperature	20	°C	
Solubility in water			
Value	1640		g/l

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Temperature	20	°C
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Ignition temperature

Remarks	Not applicable
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Decomposition temperature

Value	135	°C
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9.2. Other information**Other information**

The product is not dangerous for explosions.

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

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Oxidising agents

10.4. Conditions to avoid

Protect from atmospheric moisture and water. Protect from exposure to air/oxygen. Heat. To avoid thermal decomposition, do not overheat.

10.6. Hazardous decomposition products

In the event of fire the following can be released: Hydrogen chloride (HCl), Chlorine

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****Magnesium chloride hexahydrate**

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 423	

Acute dermal toxicity (Components)**Magnesium chloride hexahydrate**

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 402	

Skin corrosion/irritation

Species	rabbit
evaluation	non-irritant
Method	OECD 404

Serious eye damage/irritation

Species	rabbit
evaluation	non-irritant
Method	OECD 405

Sensitization (Components)**Magnesium chloride hexahydrate**

Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

Mutagenicity

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Remarks negative

Mutagenicity (Components)**Magnesium chloride hexahydrate**

evaluation No mutagenicity according to various in vitro tests.
Method OECD 476

Other information

Observe the usual precautions for handling chemicals.
By appropriate use of the product no health damage is known.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****Magnesium chloride hexahydrate**

Species	Fathead minnow (<i>Pimephales promelas</i>)	
LC50	2119.3	mg/l
Duration of exposure	96	h

Daphnia toxicity (Components)**Magnesium chloride hexahydrate**

Species	Daphnia magna	
LC50	548.4	mg/l

Algae toxicity (Components)**Magnesium chloride hexahydrate**

Species	Desmodesmus subspicatus	
EC50	> 100	mg/l
Method	OECD 201	

12.2. Persistence and degradability**Biodegradability**

Remarks Not applicable

12.6. Other adverse effects**General information / ecology**

Ecological injuries are not known or expected under normal use.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information

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	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

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

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 3

Remarks Classification according to Annex 4 VwVwS

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.