

Trade name: Magnesii sulfas heptahydricus

Substance number: 065412

Version: 4 / CH

Date revised: 16.08.2021

Replaces Version: 3 / CH

Print date: 16.08.21

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

1.1. Product identifier

Magnesii sulfas heptahydricus

Item No. 06541200

Substance / product identification

CAS-No. 10034-99-8

EINECS-No. 231-298-2

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

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.

SECTION 3: Composition/information on ingredients

Chemical characterization

Single substance

Molecular weight

Value 246.48 g/mol

Further ingredients

CAS No. 10034-99-8

EINECS no. 600-073-4

Registration no. 01-2119486789-11-0032

Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

Other information

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

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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.

After eye contact

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

After ingestion

Let plenty of water be drunk in small gulps. By continuous complaints consult a physician.

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: Sulfuroxides (SO_x)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

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. Avoid breathing dust.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. Send in suitable containers for recovery or disposal. Clean up affected area.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary if stored and handled as prescribed.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 5 - 30 °C

Requirements for storage rooms and vessels

Keep in a dry place.

Storage classes

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Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Derived No/Minimal Effect Levels (DNEL/DMEL)**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	43.6	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	77	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	26.2	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	22.7	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	26.2	mg/kg/d

8.2. Exposure controls**General protective and hygiene measures**

Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work.

Respiratory protection

Breathing apparatus in the event of aerosol.

Hand protection

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

Eye protection

necessary

Body protection

Clothing as usual in the chemical industry.

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

Form solid
Colour white
Odour odourless
pH value
 Value 5.0 to 9.2
 Concentration/H₂O 50 g/l
 Temperature 20 °C

Melting point

Remarks Not applicable

Initial boiling point and boiling range

Remarks Not applicable

Flash pointValue °C
Remarks Not applicable**Vapour pressure *****

Remarks Not applicable

DensityValue 1.68 g/cm³
Temperature 20 °C**Solubility in water**Value appr. 1172 g/l
Temperature 20 °C
Remarks easily soluble**Decomposition temperature**

Value appr. 48 °C

Oxidising properties

evaluation None known

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.

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10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

No decomposition if stored and applied as directed.

10.6. Hazardous decomposition productsIn the event of fire the following can be released: sulphurous oxides (SO_x)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity (Components)**

Species	rat		
LD50	>	4095	mg/kg

Acute dermal toxicity (Components)

Species	rat		
LD50	>	4095	mg/kg

Experience in practice

After Swallowing: nausea. vomiting. diarrhea

Other information

Observe the usual precautions for handling chemicals.

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

Species	Fathead minnow (Pimephales promelas)		
LC50	1392		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)

Species	Daphnia magna		
LC50	1474		mg/l
Duration of exposure	48	h	

Algae toxicity (Components)

Species	Desmodesmus subspicatus		
EC50	5529		mg/l
Duration of exposure	72	h	
Source	BM000574 SDS Macco 20210625		

12.2. Persistence and degradability**General information**

There is no data available on the product apart from the information given in this subsection.

12.3. Bioaccumulative potential**General information**

There is no data available on the product apart from the information given in this subsection.

12.4. Mobility in soil**General information**

There is no data available on the product apart from the information given in this subsection.

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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.

Evaluation of persistence and bioaccumulation potential (Components)

The Substance doesn't meets PBT/vPvB-criteria

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

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	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
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Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV
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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.