

Trade name: Magnesii hydroxidum

Substance number: 065256

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 hydroxidum

Item No. 06525600

Substance / product identification

CAS-No. 1309-42-8

EINECS-No. 215-170-3

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.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Chemical characterization

substances

Further ingredients

CAS No. 1309-42-8

EINECS no. 215-170-3

Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. If necessary, give oxygen. Irregular breathing/no breathing: artificial respiration. Summon a doctor immediately.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical advice immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this container or label.

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

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Non suitable extinguishing media

Full water jet

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

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

Other information

Cool endangered containers with water spray jet.

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

Ensure adequate ventilation. Use personal protective clothing. Avoid dust formation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Avoid raising dust. For large amounts: take up with appropriate instrument and dispose. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid dust formation. Keep away sources of ignition. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities**Hints on storage assembly**

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Do not store with acids. Do not store together with: bases

Storage classes

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

Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Other information**

Contains no substances with occupational exposure limit values.

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

At work do not eat, drink, smoke or take drugs. Hold emergency shower available.

Respiratory protection

Dust mask

Hand protection

Neoprene gloves

Gloves of nitrile rubber - NBR

Butyl rubber - Butyl

PVC gloves

Appropriate Material

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

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	Powder
Colour	white
Odour	odourless
pH value	
Value	10
Concentration/H ₂ O	10 g/l
Melting point	
Value	350 °C
Initial boiling point and boiling range	
Remarks	Not applicable
Flash point	
Value	°C
Remarks	Not applicable

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Flammability (solid, gas)

Not ignitable

Density

Value	2.36		g/cm ³
Temperature	20	°C	

Solubility in water

Remarks insoluble

Decomposition temperature

Remarks To avoid thermal decomposition, do not overheat.

Explosive properties

evaluation no

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.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

10.4. Conditions to avoid

No decomposition if stored and applied as directed. above melting point

10.5. Incompatible materials

Reactions with water and acids. Incompatible with: Strong oxidising agents, strong acids

10.6. Hazardous decomposition products

acids

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Skin corrosion/irritation**

evaluation irritant effect possible

Serious eye damage/irritation

evaluation slightly irritant

Sensitization

Remarks No sensitisation effect known.

Other information

By appropriate use of the product no health damage is known.

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

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LC50 > 10000 mg/l

Daphnia toxicity

Species Daphnia magna
EC50 > 10000 mg/l

12.5. Results of PBT and vPvB assessment**General information**

not determined

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

In general not water hazardous.

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

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class WGK 3
(Germany)

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

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.