

Trade name: Calcii hydroxidum pulvis

Substance number: 062255

Version: 5 / CH

Date revised: 17.12.2018

Replaces Version: 4 / CH

Print date: 01.10.19

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

1.1. Product identifier

Calcii hydroxidum pulvis

Item No. 06225500

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

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318

Skin Irrit. 2 H315

STOT SE 3 H335

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P281 Use personal protective equipment as required.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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P308+P313 lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medicinal advice/attention.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Calcium dihydroxide

SECTION 3: Composition/information on ingredients**Hazardous ingredients****Calcium dihydroxide**

CAS No.	1305-62-0		
EINECS no.	215-137-3		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Skin Irrit. 2		H315
	Eye Dam. 1		H318
	STOT SE 3		H335

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated clothing immediately and dispose of safely.

After skin contact

After contact with skin, wash immediately with plenty of water.

After eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice. Shield unaffected eye.

After ingestion

Drink water in small gulps. Do not induce vomiting. Summon a doctor immediately.

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

Water mist, Foam, Carbon dioxide, Dry powder, Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

The product is not combustible. In case of combustion evolution of dangerous gases possible.

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

Use self-contained breathing apparatus.

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

Ensure adequate ventilation.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter drains or waterways. Retain and dispose of contaminated wash water.

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6.3. Methods and material for containment and cleaning up

Pick up mechanically. Send in suitable containers for recovery or disposal.

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8.

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

Exhaust ventilation at the object is necessary. Use only alkali-proof equipment. Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

No special measures required.

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

Acids

Further information on storage conditions

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

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Calcium dihydroxide**

List	SUVA	
Type	MAK	
Value	5	mg/m ³

Pregnancy group: S; Status: 2017; Remarks: SSc; AugeKT & OAWKT & HautKT; NIOSH

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

Do not breathe dust. Remove contaminated, soaked clothing immediately and dispose of safely. Avoid contact with skin and eyes.

Respiratory protection

Breathing apparatus in the event of aerosol, mist or fume formation.

Hand protection

Rubber gloves		
Appropriate Material	Natural Latex	
Material thickness	0.6	mm
Breakthrough time	> 480	min

Eye protection

Safety glasses with side protection shield

Body protection

protective overalls

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

Form	solid
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Colour	colourless		
Odour	odourless		
pH value			
Value	12.0	to	13.0
Temperature	20	°C	
Remarks	Saturated solution		
Melting point			
Value	> 450		°C
Flash point			
Value	°C		
Remarks	Not applicable		
Upper/lower flammability or explosive limits			
Remarks	Not applicable		
Density			
Value	2.240		g/cm ³
Temperature	20	°C	
Solubility in water			
Value	1.7		g/l
Temperature	20	°C	
Ignition temperature			
Remarks	Not applicable		
Decomposition temperature			
Value	> 540		°C
Remarks	with dehydration		

SECTION 10: Stability and reactivity

10.1. Reactivity

None known

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

Protect from atmospheric moisture and water.

10.5. Incompatible materials

Corrosive to metals. Acids

10.6. Hazardous decomposition products

Calcium oxide

SECTION 11: Toxicological information ***

11.1. Information on toxicological effects

Acute oral toxicity (Components)

Calcium dihydroxide

Species rat

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LD50 > 2000 mg/kg

Acute dermal toxicity (Components)**Calcium dihydroxide**

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 402	

Acute inhalative toxicity (Components)**Calcium dihydroxide**

Remarks Not documented.

Skin corrosion/irritation (Components)**Calcium dihydroxide**

Species	rabbit
evaluation	irritant

Serious eye damage/irritation (Components)**Calcium dihydroxide**

Species	rabbit
evaluation	irritant - risk of serious damage to eyes

Sensitization (Components)**Calcium dihydroxide**

evaluation non-sensitizing

Experience in practice

Strong irritating effect on the respiratory tract and the lungs.

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

LC50	50.6	457	mg/l
Duration of exposure	96	h	

Calcium dihydroxide

Species	Gambusia affinis	
LC50	160	mg/l
Duration of exposure	96	h

Daphnia toxicity (Components)**Calcium dihydroxide**

EC50	49.1	mg/l
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Calcium dihydroxide

LC50	158	mg/l
Duration of exposure	96	h

Algae toxicity (Components)**Calcium dihydroxide**

EC50	184.57	mg/l
Duration of exposure	72	h

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

Neutralization is normally necessary before waste water is discharged into water treatment plants.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 06 02 01* calcium hydroxide

In accordance with regulations for special waste, must be taken to an authorised special waste disposal site or incineration plant.

Disposal recommendations for packaging

Dispose of as unused product.

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 1

(Germany)

Remarks Classification according to Annex 4 VwVwS

SECTION 16: Other information

Hazard statements listed in Chapter 3

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

CLP categories listed in Chapter 3

Eye Dam. 1 Serious eye damage, Category 1

Skin Irrit. 2 Skin irritation, Category 2

STOT SE 3 Specific target organ toxicity - single exposure, Category 3

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.