

Trade name: Calcii chloridum hexahydr

Substance number: 062104

Version: 4 / CH

Date revised: 13.11.2020

Replaces Version: 3 / CH

Print date: 13.11.20

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

### **1.1. Product identifier**

Calcii chloridum hexahydr

Item No. 06210400

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

#### **Use of the substance/preparation**

Reagent for analyses

### **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 Irrit. 2 H319

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**

Warning

##### **Hazard statements**

H319 Causes serious eye irritation.

##### **Precautionary statements \*\*\***

P264.1 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

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### **SECTION 3: Composition/information on ingredients \*\*\***

#### **Molecular weight**

Value	219.08	g/mol
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#### **Hazardous ingredients \*\*\***

##### **Calcium chloride hexahydrate**

CAS No.	7774-34-7	
EINECS no.	233-140-8	
Registration no.	01-2119494219-28	
Concentration	>= 50	%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2	H319

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

##### **General information**

If you feel unwell, seek medical advice (show the label where possible).

##### **After inhalation**

Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Seek medical advice immediately.

##### **After skin contact**

Wash off with soap and water. Seek medical advice immediately.

##### **After eye contact**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical advice immediately.

##### **After ingestion**

Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical advice immediately.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

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

#### **5.2. Special hazards arising from the substance or mixture**

The product is not combustible. In the event of fire the following can be released: Hydrogen chloride (HCl); Calcium oxide

#### **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**

Wear protective equipment. Avoid dust formation. Do not inhale vapours. Ensure adequate ventilation. Do not inhale dust.

#### **6.2. Environmental precautions**

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Do not empty into drains.

**6.3. Methods and material for containment and cleaning up**

Dampen, pick up mechanically and dispose of.

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

Avoid contact with skin and eyes. Avoid dust formation. Avoid formation of aerosols. Provide suitable exhaust ventilation at processing machines.

**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.

**Storage classes**

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

**Further information on storage conditions**

Keep container dry in a cool, well-ventilated place. Product is hygroscopic.

**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**

Observe the usual precautions for handling chemicals. Wash hands before breaks and after work. Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely.

**Respiratory protection**

Breathing apparatus in the event of aerosol. Particle filter P2

**Hand protection**

Chemical resistant gloves

Appropriate Material	Natural Latex
Material thickness	>= 0.11 mm
Breakthrough time	> 480 min

Appropriate Material	Butyl rubber - Butyl
Material thickness	>= 0.11 mm
Breakthrough time	> 480 min

Appropriate Material	Fluoro carbon rubber - FKM
Material thickness	>= 0.11 mm
Breakthrough time	>= 480 min

**Eye protection**

Safety glasses with side protection shield; Eye protection must comply with EN 166.

**Body protection**

impermeable protective overalls; Personal protective clothing must comply with the relevant CEN standards.

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## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Form</b>	solid		
<b>Colour</b>	white		
<b>Odour</b>	almost odourless		
<b>pH value</b>			
Value	5	to	7
Concentration/H <sub>2</sub> O	50	g/l	
Temperature	20	°C	
<b>Melting point</b>			
Value	29	to	30 °C
<b>Initial boiling point and boiling range</b>			
Remarks	No data available		
<b>Flash point</b>			
Remarks	Not applicable		
<b>Flammability (solid, gas)</b>			
Not ignitable			
<b>Density</b>			
Value	1.68		g/cm <sup>3</sup>
Temperature	20	°C	
<b>Solubility in water</b>			
Value	5360		g/l
Temperature	20	°C	

## **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**

Protect from atmospheric moisture and water.

### **10.5. Incompatible materials**

Strong oxidising agents

### **10.6. Hazardous decomposition products**

None under normal use.

## **SECTION 11: Toxicological information \*\*\***

### **11.1. Information on toxicological effects**

#### **Acute oral toxicity**

Remarks No data available

#### **Acute dermal toxicity**

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Remarks No data available

**Acute inhalational toxicity**

Remarks No data available

**Skin corrosion/irritation**

Remarks No data available.

**Serious eye damage/irritation (Components)****Calcium chloride hexahydrate**

evaluation irritant - risk of serious damage to eyes

**Sensitization**

Remarks No sensitisation effect known.

**Mutagenicity**

Remarks No data available

**Reproductive toxicity**

Remarks No data available

**Carcinogenicity**

Remarks No data available

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

Remarks No data available.

**12.2. Persistence and degradability****Biodegradability**

Remarks No data available.

**12.3. Bioaccumulative potential****General information**

No data available

**12.4. Mobility in soil****General information**

No data available

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

Not applicable

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

No data available

**General information / ecology**

Product is slightly hazardous to water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

**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**

Dispose of as unused product.

**SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number</b>	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

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

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H319      Causes serious eye irritation.

**CLP categories listed in Chapter 3**

Eye Irrit. 2      Eye irritation, Category 2

**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.