

Trade name: Calcii chloridum dihydricum

Substance number: 062120

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**

Calcii chloridum dihydricum

Item No. 06212000

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

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

food additive, Food, Manufacture of pharmaceutical products

### **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	147.02	g/mol
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#### **Hazardous ingredients**

##### **Calcium chloride dihydrate**

CAS No.	10035-04-8	
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**

##### **After inhalation**

Remove to fresh air, keep patient warm and at rest.

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

Wash immediately with plenty of water for several minutes. Remove contaminated, soaked clothing immediately and dispose of safely.

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

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

##### **After ingestion**

Drink water in small gulps. Summon a doctor immediately.

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

if swallowed: Gastrointestinal complaints

### **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. Avoid contact with eyes and skin. Ensure supply of fresh air.

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

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Do not empty into drains.

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

To pick up dry. Take up mechanically and collect in suitable container for disposal. Clean up affected area. Avoid raising dust.

**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****Requirements for storage rooms and vessels**

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

**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 and face before breaks and after work. Preventative skin protection.

**Respiratory protection**

Breathing apparatus in the event of aerosol, mist or fume formation. Particle filter P2

**Hand protection**

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

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Clothing as usual in the chemical industry.

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

<b>Form</b>	crystalline		
<b>Colour</b>	white		
<b>Odour</b>	odourless		
<b>pH value</b>			
Value	4.5	to	8.5
Concentration/H <sub>2</sub> O	50	g/l	
Temperature	20	°C	

**Melting point**

Value	176	°C
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**Initial boiling point and boiling range**

Remarks	Not applicable
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**Flash point**

Remarks Not applicable

**Density**

Value	1.85		g/cm <sup>3</sup>
Temperature	20	°C	
Pressure	1013	hPa	

**Solubility in water**

Value	1000		g/l
Temperature	0.0	°C	

**9.2. Other information****Other information**

Product is hygroscopic.

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

Exothermic reaction with: Water, vinyl methyl ether, bromides, Zinc

**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**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**

Reacts violently with: vinyl methyl ether, bromides, Zinc

**10.6. Hazardous decomposition products**

Hydrogen chloride (HCl)

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

Species	rabbit
evaluation	non-irritant
Method	OECD 404
Source	CaCl <sub>2</sub>

**Serious eye damage/irritation**

Species	rabbit
evaluation	strongly irritant
Method	OECD 405
Source	CaCl <sub>2</sub>

**Sensitization**

Remarks No sensitisation effect known.

**Mutagenicity**

Method	Ames test
Remarks	negative
Source	CaCl <sub>2</sub>

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**Reproductive toxicity**

evaluation No negative effects

**Carcinogenicity**evaluation No negative effects  
Remarks negative on animals**Experience in practice**

Inhalation of dusts may irritate the respiratory tract. Eye contact. Irritation

**Other information**

Observe the usual precautions for handling chemicals.

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

Species	Bluegill ( <i>Lepomis macrochirus</i> )	
LC50	10650	mg/l
Duration of exposure	96	h
Source	CaCl <sub>2</sub>	

**Daphnia toxicity**

Species	Daphnia magna	
EC50	144	mg/l
Duration of exposure	48	h
Source	IUCLID	
Source	CaCl <sub>2</sub>	

**Algae toxicity**

IC50	3130	mg/l
Duration of exposure	120	h
Source	IUCLID	
Source	CaCl <sub>2</sub>	

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

Ecological injuries are not known or expected under normal use. Do not allow it to reach ground water, water bodies or sewage system.

**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

### **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.