



Trade name: Calcii chloridum dihydr Schuppen

Substance number: 062136

Version: 2 / CH

Date revised: 16.12.11

Replaces Version: 1 / CH

Date of printing: 08.06.12

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

### **1.1. Product identifier**

Calcii chloridum dihydr Schuppen  
Item-No. 06213600

### **1.3. Details of the supplier of the safety data sheet**

#### **Address**

Hänseler AG  
Industriestrasse 35  
9101 Herisau  
Telephone no. 0041 (0)71 353 58 58  
E-mail address of person responsible for this SDS  
sdb@haenseler.ch

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **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

#### **Classification in accordance with EC directives**

Classification Xi, R36

### **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**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P264.1 Wash hands thoroughly after handling.  
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.

#### **Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC**

The product is classified and labelled in accordance with EC directives/the relevant national laws.

##### **Hazard symbols**



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Irritant

**R phrases**

36 Irritating to eyes.

**S phrases**

2 Keep out of the reach of children.

22 Do not breathe dust.

24 Avoid contact with skin.

**3. Composition/information on ingredients****Hazardous ingredients****Calcium chloride**

CAS No. 10043-52-4

EINECS no. 233-140-8

Concentration &gt;= 50 %

Classification Xi, R36

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

Eye Irrit. 2 H319

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

Remove contaminated, soaked clothing immediately and dispose of safely.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

**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.). By continuous complaints consult a physician.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not give milk. Induce vomiting if patient is conscious, seek medical advice.

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

Coughing, Irritation of mucosa, Gastrointestinal complaints, Cardiovascular disturbance

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / hazards**

Frequent and persistent contact with the skin can cause dermatitis. Risk of cardiac rhythm disturbances

**5. Firefighting measures****5.1. Extinguishing media**



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**Suitable extinguishing media**

Extinguishing measures to suit surroundings

**5.2. Special hazards arising from the substance or mixture**Hydrogen chloride (HCl); Chlorine (Cl<sub>2</sub>)**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear full protective suit.

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

Use personal protective clothing.

**6.2. Environmental precautions**

Do not allow to enter drains or waterways.

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

Pick up mechanically. When picked up, treat material as prescribed under heading "Disposal". Clean up affected area. Flush away residues with hot water.

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

Avoid the formation and deposition of dust. Dust deposits that cannot be avoided must be taken up regularly.

**Advice on protection against fire and explosion**

The product is not combustible.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

No special requirements.

**Hints on storage assembly**

Do not store with oxidizing agents.

**Further information on storage conditions**

Keep container tightly closed. Protect from atmospheric moisture and water. Product is hygroscopic.

**8. Exposure controls/personal protection****8.2. Exposure controls****Exposure controls**

See chapter 7. No measures exceeding the ones mentioned are necessary.

**General protective and hygiene measures**

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Avoid contact with eyes and skin. Hold eye wash fountain available. Use barrier skin cream. Do not inhale dust/fumes/mist.

**Respiratory protection**

Use breathing apparatus in dust/fumes/mist-laden atmosphere. Particle filter P2

**Hand protection**



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Protective gloves			
Appropriate Material	Natural Latex		
Material thickness	0.5	mm	
Penetrating time	>= 8	h	
Protective gloves			
Appropriate Material	Polychloroprene		
Material thickness	0.5	mm	
Penetrating time	>= 8	h	
Protective gloves			
Appropriate Material	nitrile rubber - NBR		
Material thickness	0.35	mm	
Penetrating time	>= 8	h	
Protective gloves			
Appropriate Material	Butyl rubber		
Material thickness	0.5	mm	
Penetrating time	>= 8	h	
Protective gloves			
Appropriate Material	Fluoro carbon rubber - FKM		
Material thickness	0.4	mm	
Penetrating time	>= 8	h	
Protective gloves			
Appropriate Material	PVC		
Material thickness	0.5	mm	
Penetrating time	>= 8	h	

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Protective clothing

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

<b>Form</b>	Solid in various forms		
<b>Colour</b>	whitish		
<b>Odour</b>	odourless		
<b>pH</b>			
Value	8	to	10
Concentration/H <sub>2</sub> O	100	g/l	
Temperature	20	°C	
<b>Melting point</b>			
Value	772		°C
method	DIN 51761		
<b>Boiling point</b>			
Value	> 1600		°C
method	DIN 51761		
<b>Flash point</b>			
Value	°C		
Remarks	Not applicable		
<b>Explosion limits</b>			
Remarks	non flammable		
<b>Density</b>			
Value	2.5		g/cm <sup>3</sup>



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Temperature method	20	°C
	DIN 51757	

**Solubility in water**

Value	740	g/l
Temperature	20	°C

**Ignition temperature**

Value	> 1600	°C
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**Thermal decomposition**

Remarks	No decomposition if used as prescribed.
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**9.2. Other information****Bulk density**

Value	500	to	900	kg/m <sup>3</sup>
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**10. Stability and reactivity****10.4. Conditions to avoid**

No decomposition if stored and applied as directed.

**Thermal decomposition**

Remarks	No decomposition if used as prescribed.
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**10.5. Incompatible materials**

Water, Reactions with metals, with evolution of hydrogen. Strong oxidising agents, Addition of water leads to increase in temperature.

**10.6. Hazardous decomposition products**

Hydrogen chloride (HCl), Chlorine

**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Species	rat		
LD50	1000		mg/kg

**Acute dermal toxicity**

Species	rabbit		
LD50	2630		mg/kg

**Skin corrosion/irritation**

valuation	non-irritant
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**Serious eye damage/irritation**

valuation	irritant
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**Sensitization**

Remarks	No sensitisation effect known.
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**Subacute, subchronic, chronic toxicity**

Remarks	Repeated absorption/exposure may cause disorder of the kidneys.
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**12. Ecological information****12.1. Toxicity****Fish toxicity**



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Species	Bluegill (Lepomis macrochirus)	
LC50	10650	mg/l
Duration of exposure	96 h	

**Daphnia toxicity**

Species	Daphnia magna	
EC50	144	mg/l
Duration of exposure	48 h	

**Algae toxicity**

IC50	> 3000	mg/l
Duration of exposure	72 h	

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

Innocuous to aquatic organisms.

**13. Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code Samll amounts can be disposed together with rubbish.

**Disposal recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

**14. Transport information****Land transport ADR/RID**

Non-dangerous goods

**Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

**Air transport ICAO/IATA**

The product does not constitute a hazardous substance in air transport.

**15. Regulatory information****16. Other information****R-phrases listed in chapter 3**

36 Irritating to eyes.

**Hazard statements listed in chapter 3**

H319 Causes serious eye irritation.

**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.