

Date of issue: 11.07.2017 Replaces Data Sheet of: 07.11.2013  
 "" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available




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

- 1.1 **Product identifier**  
**Trade Name:** Dehumidifiers from calcium chloride  
**Article No.:** n.av.  
**Preparation No.:** n.av.  
**Registration No.:** n.av.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**  
 Identified uses: Dehumidifiers
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**  
 Wenko-Wenselaar GmbH & Co. KG, Im Hülsfeld 10, D- 40721 Hilden, Germany  
 Telephone: +49 – 2103-573-0, Telefax: +49 – 2103-573-190, E-Mail: wenko@wenko.de
- 1.3.2 **Responsible for the data sheet:**  
 CoSiChem AG, Ernst-Lemmer-Straße 23, D - 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**  

Emergency - Telephone of Company / Undertaking	Information Centre Specialising in Symptoms of Poisoning
Telephone: Auskunftgebender Bereich	Telephone: +44 870 600 6266
Herr Labonde – Leiter Qualitätswesen	
+49 – 2103-573-155 (8:00 – 17:00)	

**SECTION 2: Hazards identification**

- 2.1 **Classification of the substance or mixture**  
**Classification and labelling according to Directive 1272/2008/EC:**  
 Eye Irrit. 2; H319
- 2.2 **Label elements**  
 Classification according to 1272/2008/EC: Yes.  
 Applicable Exemptions: Yes.  
 Signal word(s): Warning  
 Component(s): 017-013-00-2 Calciumchlorid  
 Hazard pictogram(s): 
- H - Phrases:**  
 H319: Causes serious eye irritation.
- P - Phrases:**  
 P102: Keep out of reach of children.  
 P262: Do not get in eyes, on skin, or on clothing.  
 P232: Protect from moisture.  
 P260: Do not breathe dust.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P301+P101: IF SWALLOWED: If medical advice is needed, have product container or label at hand.  
 P501: Dispose of contents/container to household waste.
- Additional Markings:
- The above mentioned labelling is valid for distribution to private consumer.
- 2.3 **Other hazards**  
 None.

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**SECTION 3: Composition/information on ingredients****3.1 Substances****Dangerous Ingredients:**

<b>Material</b>				<b>m% - range</b>
CAS - No.	Index - No.	EC - No.	REACH - No.	
Hazard Code(s) / H - phrases				
<b>Calcium chloride</b>				<b>92 - 95%</b>
10043-52-4	017-013-00-2	233-140-8	01-2119494219-28-xxxx	
Eye Irrit. 2; H319				

**3.2 Mixtures**

n.ap.

**SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

**4.1.2 Skin Contact:**

Wash off with warm water and soap.

**4.1.3 Eye Contact:**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**4.1.4 Ingestion:**

Clean mouth with water and afterwards drink plenty of water.

Consult a physician. Show this safety data sheet to the doctor in attendance.

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

Effects due to ingestion may include: nausea stomach/intestinal disorders.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.**5.1.2 Extinguishing Media to Avoid:**

None.

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

\* In the event of fire the following can be released: Hydrogen chloride gas respirable dust.

**5.3 Advice for firefighters****5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

**5.3.2 Additional Information:**

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

See chapter 8.2.2

Avoid dust formation.

**6.2 Environmental precautions**

Do not contaminate water.

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

Use mechanical handling equipment. Avoid dust formation.

If recycling is not practicable, dispose of in compliance with local regulations.

**6.4 Reference to other sections**

None.

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling****7.1.1 Precautions for Safe Handling:**

Avoid contact with skin and eyes. Take off all contaminated clothing immediately.

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

**7.1.2 Precautions in Case of Fire and Explosion:**

Normal measures for preventive fire protection.

**7.2 Conditions for safe storage, including any incompatibilities****7.2.1 Storage Instructions:**

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

Never allow product to get in contact with water during storage.

**7.2.2 Store away from:**

Do not store together with oxidizing agents.

**7.2.3 Further Information on Storage Conditions:**

None.

**7.3 Specific end use(s)**

n.av.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Material****Limit Value****8.2 Exposure controls****8.2.1 Appropriate engineering controls**

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

**8.2.2 Individual protection measures****8.2.2a Respiratory Protection:** In the case of respirable dust, use self-contained breathing apparatus.

Recommended filter type: P 2.

**8.2.2b Hand Protection:**

Use protective skin cream before handling the product.

Repeated or prolonged exposure: Protective gloves complying with EN 374.

Nitrile rubber (0,11 mm) break through time &lt; 8 h

The data about break through time/strength of material are standard values!

The exact break through time/strength of material has to be obtained from the producer of the protective glove.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

**8.2.2c Eye Protection:**

Safety glasses

**8.2.2d Skin Protection:**

None.

**8.2.2e Further Information:**

Observe wearing time limits:

**8.2.3 Environmental exposure controls:**

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****9.1.1 Form:** solid granular                      **Colour:** white    **Odour:** odourless**Odour threshold:** n.av.

9.1.2 pH-value, undiluted: n.av.  
pH-value, 1% aqueous solution: ~ 8 – 10

9.1.3 Boiling point / Boiling - range (°C): n.av., Melting point / Melting range (°C): 772

9.1.4 Flash point (°C): n.av., closed cup

9.1.5 Flammability (EEC A10/A13): None.

9.1.6 Ignition temperature (°C): n.av.

9.1.7 Autoflammability (EEC A16): None.

9.1.8 Oxidising properties: No.

9.1.9 Explosion hazard: No.

9.1.10 Explosion limits (Vol.%) lower: n.av., upper: n.av.

9.1.11 Vapour pressure: n.av.  
Vapour density (Air = 1): n.av.

9.1.12 Density (g/ml): 2,15

9.1.13 Solubility (in Water): soluble

9.1.14 Partition coefficient, n-Octanol / Water: n.av.

9.1.15 Viscosity: n.av.

9.1.16 Solvent content (m %): n.av.

9.1.17 Thermal decomposition (°C): n.av.

9.1.18 Evaporation rate: n.av.

**9.2 Other information**

n.av.

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

None.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid**

Protect against humid air and water (strongly hygroscopic).

**10.5 Incompatible materials**

Incompatible with oxidizing agents.

**10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

To avoid thermal decomposition, do not overheat.

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute Health Effects:

Inhalation:

n.av.

Ingestion:

LD<sub>50</sub>/oral/rat = 1000 mg / kg

Skin Contact:

n.av.

Skin corrosion / irritation:

None.

Serious eye damage / irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

None.

Germ cell mutagenicity:

n.av.

Carcinogenicity:

n.av.

Reproductive toxicity:

n.av.

STOT-single exposure:

n.av.

STOT-repeated exposure:

n.av.

Aspiration hazard:

n.av.

**11.1.1 – Practical Experience**

11.1.11 n.av.

**11.1.12 Practical Experience**

Observations relevant for classification:

None.

Further Observations:

None.

**SECTION 12: Ecological information****12.1 Toxicity**Acute fish toxicity = LC<sub>50</sub> (96 h): 10.650 mg/l (Lepomis macrochinus).Toxicity to daphnia = EC<sub>50</sub> (48h): 464 mg/l (Daphnia magna).Toxicity to algae = IC<sub>50</sub> (120h): 3.130 mg/l (Navicula seminulum).**12.2 Persistence and degradability**

The methods for determining biodegradability are not applicable to inorganic substances.

**12.3 Bioaccumulative potential**

n.av.

**12.4 Mobility in soil**

n.av.

**12.5 Results of PBT and vPvB assessment**

n.ap.

**12.6 Other adverse effects**

12.6.1 COD-Value, mg/g:

n.av.

12.6.2 BOD5-Value, mg/g:

n.av.

12.6.3 AOX-Remarks:

Not applicable.

12.6.4 Significant Components:

None.

12.6.5 Other adverse effects:

Not applicable.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

13.1.1 Recommendation: n.av.

Waste - Code - No.:

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

**13.2 Contaminated Packaging**

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

13.2.2 Safe Handling: As described under Residues.

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**SECTION 14: Transport information**

	<b>ADR</b>	<b>IMDG</b>	<b>IATA</b>
	Not a dangerous substance as defined in the above regulations.		
14.1	<b>UN number</b>		
14.2	<b>UN proper shipping name</b>		
14.3	<b>Transport hazard class(es)</b>		
14.4	<b>Packing group</b>		
14.5	<b>Environmental hazards</b>		
14.6	<b>Special precautions for user</b>		
	Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger)  Packing Instructions (Cargo)
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>		

**SECTION 15: Regulatory information**

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
n.av.
- 15.2 **Chemical safety assessment :**  
n.ap.

**SECTION 16: Other information**

**Text of H phases mentioned in Section 3**

H319: Causes serious eye irritation.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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