

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 31.03.2009

Revision: 31.03.2009

## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** *Calcicur*
- **Application of the substance / the preparation** *Calcium hydroxide paste*
- **Manufacturer/Supplier:**  
*Voco GmbH  
Anton-Flettner-Str. 1-3  
D-27472 Cuxhaven*
- **Further information obtainable from:** *Scientific department*
- **Information in case of emergency:** *Scientific department tel. +49 (0) 4721 7190*

## 2 Hazards identification

- **Hazard description:**  
*Xi Irritant*
- **Information concerning particular hazards for human and environment:**  
*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*  
*R 38 Irritating to skin.*  
*R 41 Risk of serious damage to eyes.*
- **Classification system:**  
*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** *Mixture of substances listed below with nonhazardous additions.*

- **Dangerous components:**

CAS: 1305-62-0	calcium dihydroxide	Xi; R 38-41	25-50%
EINECS: 215-137-3			

## 4 First aid measures

- **General information:** *Immediately remove any clothing soiled by the product.*
- **After inhalation:** *Seek medical treatment in case of complaints.*
- **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*
- **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*
- **After swallowing:** *Drink plenty of water and provide fresh air. Call for a doctor immediately.*

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
*CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*
- **Protective equipment:** *No special measures required.*

## 6 Accidental release measures

- **Person-related safety precautions:** *Not required.*
- **Measures for environmental protection:**  
*Do not allow to enter sewers/ surface or ground water.*  
*Dilute with plenty of water.*

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- **Measures for cleaning/collecting:** Pick up mechanically.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:** For dental use only.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** See storage instructions on package
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Pasty
<b>Colour:</b>	White
<b>Odour:</b>	Odourless

### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined.

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- |  |                 |
|--|-----------------|
| <b>· Solubility in / Miscibility with water:</b> | Fully miscible. |
| <b>· pH-value at 20°C:</b>                       | 12              |

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

## 12 Ecological information

- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

- |  |    |
|--|----|
| <b>· Land transport ADR/RID (cross-border)</b> |    |
| <b>· ADR/RID class:</b>                        | -  |
| <b>· Maritime transport IMDG:</b>              |    |
| <b>· Marine pollutant:</b>                     | No |
| <b>· Air transport ICAO-TI and IATA-DGR:</b>   |    |
| <b>· ICAO/IATA Class:</b>                      | -  |

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## 15 Regulatory information

**· Labelling according to EU guidelines:**

*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*

**· Code letter and hazard designation of product:**

*Xi Irritant*

**· Risk phrases:**

*38 Irritating to skin.*

*41 Risk of serious damage to eyes.*

**· Safety phrases:**

*8 Keep container dry.*

*25 Avoid contact with eyes.*

*26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*

*36/37/39 Wear suitable protective clothing, gloves and eye/face protection.*

*45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).*

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**· Department issuing MSDS:** *Scientific departement*

**· Contact:** *Tel.: +49 (0) 4721 7190*

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