

Safety Data Sheet (EC) No. 1907/2006

1. Product- and Company Identification

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|---|---|
| <u>Trade name:</u> | DC Cal, art. No. 716031 |
| <u>Manufacturer:</u> | DC Dental Central Großhandelsges.mBH Carl-Zeiss-Str.2 D-22946 Trittau, Germany |
| <u>Further information obtainable from:</u> | Tel.: +49 (0)4154/8437 0 Fax: +49 (0)4154/8437 33 |
| <u>Information in case of emergency:</u> | Same as above. |

2. Composition/information on ingredients

| | | | | | |
|--|----------------|-------------------|--------------------|------------------|------------------------|
| Water-based Calciumhydroxidesuspension | | | | | |
| Hazardous Ingredients: | | | | | |
| <u>Description:</u> | <u>CAS-Nr:</u> | <u>Index-No.:</u> | <u>EINECS No.:</u> | <u>R-phrases</u> | <u>Percentage</u> % |
| Calciumhydroxide | 1305-62-0 | -- | -- | -- | |

3. Hazards identification

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|---|---------------------------|
| <u>Hazard denotation</u> | |
| Xi | irritant |
| <u>Special hazard for human and environment</u> | |
| R 36/38 | irritant to eyes and skin |

4. First aid measures

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|----------------------------|---|
| <u>After inhalation:</u> | Take person to fresh air. |
| <u>After skin contact:</u> | Wipe off as much as possible (using a clean, soft, absorbent material) Wash immediately with plenty of soap and water. If the skin becomes inflamed (Redness, irritation...) call a doctor. |
| <u>After eye contact:</u> | Rinse eyes with open eyelid with plenty of water for a long period and contact ophthalmologist.. |
| <u>After swallowing:</u> | Drink a lot of water. Avoid vomiting. Consult physician or doctor. |

Safety Data Sheet (EC) No. 1907/2006

5. Fire-fighting measures

The below mentioned measures are only making sense for big quantities (10kg or more) They do not make sense for smaller quantities.

Suitable extinguishing media:

The product itself is not inflammable. Choose Extinguishing Media according to the direct environment. Water-Fog, Foam, dry Powder, Carbon dioxide.

For safety reasons unsuitable extinguishing media:

Strong Water Jet

Special protective equipment for fire fighting:

Usual equipment for chemical fires. Self contained breathing apparatus.

6. Accidental release measures

Personal precautions:

Use of personal protective equipment.

Environmental precautions:

Do not discharge into drains or rivers.

Methods for cleaning / absorption:

Recovery: Collect up the product and place it in a spare container

Cleaning/Decontamination: Decontaminate and take off with Sand, Sawdust, self emulifying solvent.

7. Handling and storage

Handling:

Suck off the object. Use only equipment which is resistant against alkaline solution.

Storage:

Protect from humidity. Store in a cool, dark place. Keep the container tightly closed. Store away from products with alkaline solution.

8. Exposure controls/personal protection

General protection measurements:

Use proper gloves. Avoid eye-contact

Eye protection: Use goggles

Hand protection: Rubber-gloves

Respiratory protection: Not necessary

Safety Data Sheet (EC) No. 1907/2006

9. Physical and chemical properties

| | |
|------------------------------|---|
| <u>Appearance:</u> | liquid, water based paste |
| <u>Colour:</u> | white |
| <u>Odour:</u> | odourless |
| <u>Boiling point:</u> | 2850° C |
| <u>Melting point:</u> | 580° C |
| <u>Flash point:</u> | not applicable |
| <u>Ignition temperature:</u> | not applicable |
| <u>Density:</u> | 2,24 g/cm ³ (according to pure Calciumhydroxide) |
| <u>Solubility in water:</u> | slightly soluble in water. 0,185g /100ml at 0°C, 0,077g/100ml at 100°C, 1,73g/1000ml at 20°C |
| <u>pH-value at 20°C:</u> | 12 – 13 |

10. Stability and reactivity

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|-------------------------------|--|
| <u>Stability:</u> | Stable at room-temperature |
| <u>Hazardous reactions:</u> | Corrosive against metal. |
| <u>Thermal decomposition:</u> | None, if used according to directions. |

11. Toxicological information

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|----------------------------|---|
| <u>Acute toxicity:</u> | LD ₅₀ : (rat): 7430 mg/kg Literature: RTECS |
| <u>After skin contact:</u> | May cause irritation, burn on the skin. |
| <u>After eye contact:</u> | Strong irritating to the eyes Species: Rabbit eye Literature: RTECS |

12. Ecological information

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| Avoid that the product can reach soil, sewerage system and open rivers/lakes. |
| <u>Notice:</u> If not neutralised, look out for pH-Value. |

Safety Data Sheet (EC) No. 1907/2006

Biological decomposition:Fish toxicity:

LC50

Species: Gambusia affinis

Quantity: 160mg/l

Duration: 96 h (IUCLID)

Daphnia toxicity:

No data available.

Water hazard class:

No data available.

Further detail to ecology:

Do not allow product to reach ground water, body of waters or sewage system!

Bioaccumulation potential:

No data available

Effect of the determination of the PTB- and vPvB-Report:

Endocrine disruption potential

If the material causes hormonal effects or prevents them is unknown to us.

13. Disposal considerationsSubstance / Preparation:

To dispose of accordingly with notice of the local regulations of authority.

Package:

Empty packages that can be recycled.

14. Transport information**Land transport**ADR: -RID: -**Sea transport:**IMDG/UN: -**Air transport:**ICAO / IATA-DGR: -

No dangerous goods according to the transportation rules

Safety Data Sheet (EC) No. 1907/2006

15. Regulatory information

Labelling according EU guidelines:



Xi; irritant

contains Calciumhydroxide

R-Phrases:

R 38 Irritant to skin

R 34 Causes cauterization

R 41 Cause strong eye damage.

S-Phrases:

S 26 In case of eye-contact, rinse off with plenty of water, consult doctor.

S 28 In case of skin-contact wash off with plenty of soap and water.

National Rules

Water hazard class:

Classification 0 – 1

No danger in water, slightly dangerous for single components, if known (self-classification)

Disposal Classification:

51310 other metal oxide, -hydroxide

16. Other information

Further applicable EG Guidelines

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC. Substance Guideline (67/548/EEC), at last changed by the guideline 2006/121 EC. REACH-Guideline (EC) No. 1907/2006.

Manufacturer's suggested application restriction:

For dental use only

Additional Information:

Origin: ¹ <http://www.baua.de>

² <http://www.arbeitssicherheit.de>

R-phrases on which is referred in chapter 3:

R 38 Irritant to skin

R 34 Causes cauterization

R 41 Cause strong eye damage.

Changes compared to the last version:

Change of the water hazard class

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself. The contents and format of this MSDS are in accordance with EEC

Safety Data Sheet (EC) No. 1907/2006

Commission (EC) No. 1907 / 2006.

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