

Material Safety Data Sheet

According to decree (EC) No. 1907/2006

1. Product- and Company Identification

<u>Product name:</u>	DC EugenolfreeCem, art.No. 702240
<u>Manufacturer:</u>	DC Dental Central Großhandelsges.mbH Carl-Zeiss-Str.2 D-22946 Trittau, Germany
<u>Contact:</u>	Tel.: ++49 (0)4154/8437 0 Fax: ++49 (0)4154/8437 33

2. Hazard Identification

<u>Potential hazards:</u>	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
<u>Hazard-denotation:</u>	N hazardous to environment
<u>R phrases:</u>	R 50/53 Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

3. Composition/Information on Ingredients

<u>Chemical characterization:</u>	Temporary cement for attachment on the base of Zinc oxide / fatty acid
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4. First-Aid-Measures

<u>After inhalation:</u>	In case of prolonged exposure
<u>After skin contact:</u>	Wash of skin with soap and water.
<u>After eye contact:</u>	Rinse eyes with open lids an efficient time with water and consult a physician.
<u>After swallowing:</u>	Immediately seek medical advice.

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5. Fire-fighting-measures

Suitable extinguishing agents:

Foam, dry powder, carbonic acid, waterspray stream, sand.

For safety reasons unsuitable extinguishing media:

Direct jet of water.

Specific hazard through the product itself, its combustion products or the emerging gases:

At combustion: development of carbon monoxide, carbon dioxide.

Protectiv equipment for fire-fighters:

Use conventional measures to combat chemical fires.

6. Accidental Release Measures

Personal precautions:

Use only in well-ventilated areas. Wear personal protection cloth.

Environmental precautions:

Do not drain in canalisation.

Methods and materials for containment and cleaning up:

The cleaning of stains of unhardened paste (catalyst or base) is possible with a isopropanol or acetic acid ethyle ester soaked rag. Hardened Material is to be corrected with the usual cement solvents. Take up material mechanical.

7. Handling and storage

Handling:

The conventional precautions for works with chemicals are to be adhered.

Personal precautions:

Use adequate protective gloves. Do not allow to get into the eyes.

Storage:

Conditions for safe storage:

Store tubes cool and closed.

Storage time:

3 years.

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8. Exposure Controls / Personal Protection

Personal protective equipment:Breathing protection:

Do not breath vapour.

Hand and sin protection:

Rubber gloves.

Eye protection:

Goggles.

Hygiene measures:

Do not eat or drink at workstation.

9. Physical and Chemical Properties

Form: PastyColour: Base: yellowish, brown
Catalyst: whiteOdour: Base: spicy, acerb
Catalyst: odourlessFlashpoint: Base: >120° C
Catalyst: >300° CpH-value: Not definable.Relative density at 20° C: Base: ca. 0,220 g/cm³
Catalyst: ca. 0,430 g/cm³Solubility: Base: not soluble in water, soluble in acetic acid ethyle ester
Catalyst: not soluble in water, soluble in isopropyl alcohol

10. Stability and Reactivity

Conditions to avoid:

No decomposition at intended application.

Materials to avoid:

None known at intended application.

Hazardous decomposition products:

None at intended application.

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11. Toxicological Information

Acute oral toxicity: LD₅₀ Rat >2000 mg/kg

Irritation of skin: Irritating on prolonged exposure.

Irritation of seye: Irritating on prolonged exposure.

Kinetic of the toxic reaction:

According the new Material Safety Data Sheet according to REACH, specifications about kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data for this is not available.

12. Ecological Information

Persistence and Degradability:

Degree of degradation: not defined

Aquatic Toxicity:

acute Fish toxicity: not defined

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.

13. Disposal Considerations

Substance / Preparation:

To dispose of accordingly with notice of the local regulations of authority. (for example by controlled combustion).

Unhardened Material is to be disposed of as hazardous waste.

Uncleaned empty trusses are to be handled like the ingredients.

Disposal key according to AVV regulation:

18 01 07

Package:

Packages that are not contaminated can be recycled.

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14. Transport Information / Rules

UN-Number: 3077

Landtransport ADR/RID and GGVS/GGVE:

GGVSE: Class 9 – Packaging Group III

ADR: Class 9 – Packaging Group III

RID: Class 9 – Packaging Group III

Inlandwater vessel transport ADN/ADNR:

ADNR-Class: 9 – Packaging Group III

Seagoing vessel transport IMDG/GGVSea:

IMDG-Class: 9 – Packaging Group III

Air transport ICAO-TI and IATA-DGR:

UN/ID-Number: 3077

IATA-DGR-Class: 9 – Packaging Group III

Further Information:

Correct shipping declaration: Environmental hazardous substance, sold, N.O.S. (Zinc Oxide)

15. Regulatory Information

Labelling according EU-Guidelines:

Labeling obligation: contains Zinc Oxide



N, Hazardous to the environment

R-Phrases:

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-Phrases:

S 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

Safety Assessments:

Safety Assessments for substances in this preparation were not executed

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16. Further Information

Further applicable EG Guidelines:

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC.

Substance Guideline (67/548/EWG), at last changed by the guideline 2006/121 EC.

REACH-Guideline (EC) No. 1907/2006

Manufacturer's suggested application restriction:

Only for commercial use – no public product

Additional Information:

Origin: ¹ <http://www.baua.de>

² <http://www.arbeitssicherheit.de>

R-phrases on which is referred in chapter 2 and 3:

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 Commission (EC) No. 1907 / 2006.

Disclaimer of Liability:

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