

Material Safety Data Sheet Revision Date: 11.02.2010

(EC 1907/2006)

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4510-22-08

1. Chemical product and company identification

Product name:

TempoCem

Supplier:

DMG Chemisch-Pharmazeutische Fabrik GmbH

Elbgaustraße 248

22547 Hamburg

Germany

Fon: +49. (0) 40. 84006-0

Fax: +49. (0) 40. 84006-222

info@dmg-dental.com

www.dmg-dental.com

Emergency contact: Infotrac-(800)535-5053

2. Hazards Identification

Irritating to skin.

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

3. Composition / Information on ingredients

Common chemical name / Generic name:

Preparation based on zinc oxide and eugenol.

4. First-aid measures

In case of inhalation: In case of prolonged exposure take patient to open air.

In case of skin contact: Wash with soap and water.

In case of eye contact : Rinse with plenty of water, consult a physician.

In case of ingestion: Immediately seek medical advice.

5. Fire-fighting measures

Extinguishing media: Powder, sand, foam, carbon dioxide, water spray.

Not suitable extinguishing media: Direct jet of water.

6. Accidental release measures

Personal precautions: Use only in well-ventilated areas.

Environmental precautions: Do not empty into drains.

Methods for cleaning up: Take up mechanically.

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7. Handling and storage

Handling:

Technical measures: Keep container tightly closed.

Safe handling advice: Wear suitable gloves. Avoid contact with eyes.

Storage:

Technical measures: Keep container in a well-ventilated place.

Storage conditions: Keep container tightly closed. Keep in a dark, cool place.

Recommended packaging material: Container of solvent-stable plastics.

8. Exposure controls/personal protection

Engineering measures: Use only in well-ventilated areas.

Personal protective equipment:

Respiratory protection: Do not breathe vapour.

Hand and skin protection: Rubber gloves.

Eye protection: Goggles.

Hygiene measures: When using do not eat or drink.

9. Physical und chemical properties

Appearance: slightly yellowish paste

Odour: intensively, like oil of cloves

pH-value: not applicable

Changes in physical state:

Boiling temperature: ca. 250 °C

Decomposition temperature: > 200 °C

Flashpoint: > 110 °C

Ignition temperature: > 300 °C

Explosion properties: not established

Vapour pressure: < 0.01 mbar / 20 °C

Rel. vapour density: > 1

Density: ca. 2.3 g/cm³

Solubility in water: little

10 Stability and reactivity

Thermal decomposition: at ca. 200 °C

No decomposition, if handled according to directions.

Hazardous reactions: None, if handled and stored according to directions.

Conditions to avoid: Heat.

Materials to avoid: Strong acids.

Hazardous decomposition products: In case of fire acrid fumes.

11 Toxicological information

Acute oral toxicity: LD₅₀ (Ratte) > 250 mg/kg

Irritation of skin : Irritating on prolonged exposure.

Irritation of eye: Irritating on prolonged exposure.

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12 Ecological information

- Do not discharge into drains or the environment.

Persistence und degradability: No data available for the preparation.

13 Disposal considerations

- Waste from residues:** Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

14 Transport information

- Regulations for land (road/railroad):**

GGVSE: Class 9, III

ADR/RID: Class 9, III

Regulations for sea:

IMDG/GGVSee-Code: Class 9, III

Marine Pollutant: P, Segregation Group: 7 (Heavy metals and their salts (including their organometallic compounds))

UN-number: 3077

Additional information:

Environmental Hazardous Substance, solid, N.O.S. (Zinc Oxide)

15 Regulatory information

- Labelling according international regulations:**

Xi



Irritating
contains eugenol

N



Dangerous
for the
environment

R-Phrases:

R 38 Irritating to skin

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

S-Phrases:

24/25 Avoid contact with skin and eyes.

S60 This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions / Safety data sheets.

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16 Other information

None.

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.