

Materials Safety Data Sheet

According to the regulation (EC) No. 1907/2006 (REACH)



Product Name: Cerec Stone BC

Valid from: 09.09.2011

Replaces the version from: -

Printing date: 29.11.2011

1 Product and Company Identification

Product Name: Cerec Stone BC

Manufacturer/Supplier:

Sirona Dental Systems GmbH

Fabrikstr. 31

64625 Bensheim

+49 (0)6251/16 3440

+49 (0)6251/16 2935

Emergency No.: +49 (0)6251/16 0

2 Potential Hazards

Indication of danger and hazards information for human and environment:

Formation of dust possible: take account of MAC: 6mg/m^3

3 Chemical Composition/Information on Ingredients

Chemical characterization:

Name of the substances: Calcium sulphate semihydrate and additives

CAS Nr.: 10034 - 76 - 1

Chemical formula: $\text{CaSO}_4 \times 1/2 \text{H}_2\text{O}$ (Contents 50 –100%)

EINECS-Nr.: unknown

EWG-Nr.: 231-900-3

Symbol: not applicable

R-phrases: not applicable

Additional remarks: none

4 First aid measures

General information:

After inhalation: Supply fresh air

After skin contact: Rinse with warm water.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist consult doctor.

After swallowing: Rinse out mouth and drinking large amounts of water. If symptoms persist consult doctor.

Notes for the physician:

5 Fire fighting measures

Suitable solvents: All solvents are suitable.

Special hazards caused by the material, its products of combustion or resulting gases: In the event of fire sulfur trioxide can be released (SO_3). Sulfur containing decomposition products.

Special protective equipment for firefighting: use usual protective equipment for firefighting.

Additional remarks: none

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6 Accidental release measures

Personal Precautions: Use personal protective clothing. Avoid formation of dust.

Environmental measures: No special measures are necessary.

Measures for cleaning/collecting: Pick up mechanically

Additional phrases: See chapter 8 for information about personal protective equipment.

7 Handling and Storage

Handling:

Information for safe handling: Provide suction extractors if dust is formed.

Fire and explosion protection: The product is not flammable.

Storage:

Requirements for storage facilities and containers: Store in a dry place.

Hints for combined storage: not required

Further information on storage conditions: keep containers tightly closed

storage category: -

8 Exposure Controls/Personal Protection

Additional information about design of technical facilities: -

Ingredients with limit values that require monitoring at the workplace: -

Name of the substances: Calcium sulphate semihydrate

CAS-Nr.: 10034-76-1

Limit sizes: MAC (Germany/TRGS 900/1996) 6F mg / m³

Personal protective equipment

Respiratory protection: above the occupational exposure limit wear a dust mask with particulate filter P1.

Protection of hands: not required.

Eye protection: not required

Body protection: not required

General protective and hygienic measures: The usual precautionary measures for contact with chemicals are to observe. Do not eat, drink, or smoke while applying the product

9 Physical and chemical properties

General Information:

Form: Powder

Color: Ivory

Odor: Odorless

Change in condition:

Melting point/Melting range: > 1400° C / decomposition by heat.

Boiling point/Boiling range: not applicable

Flash point: Not applicable

Igniting: not applicable

Igniting temperature: not applicable

Self-igniting: Product is not self igniting.

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

Vapor pressure: not applicable

Density at 20°C: 2,6 g / cm³

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Solubility in water: at 20° C 7 g/l

pH-value: at 20° C 10 g/l 5-7 Suspension

10 Stability and reactivity

Conditions to be avoided: No decomposition if stored and applied as directed..

Materials to avoid: by appropriate handling are not known.

Dangerous decomposition products: sulfur trioxide (SO₃) or SO₃ fog, sulfur containing decomposition products, from 180°C upwards

Additional phrases: no dangerous reactions known

11 Toxicological information

Harmless. The toxicological classification of the preparation was made according DIRECTIVE 1999/45/EC.

Operating experience of the manufacturer shows that no hazards beyond current classification can be expected.

Toxicological evaluation: no data available

Practical experience: no data available

Information on ingredients: LD50 (Oral, rats) mg/kg (IUCLID)
Rabbit eye: rabbit skin (24 h)

12 Ecological information

Ecotoxicity:

TOC-value: CSB-value:

Acute bacterial toxicity: harmless

Acute Fish toxicity: harmless

Mobility: Persistence and degradability, no data available

Bioaccumulation potential: no data available

Conclusion of the investigation of the PTB properties: no data available

Other harmful effects: no data available

13 Disposal considerations:

Product

Recommendation: Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

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Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

15 Regulations

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

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.