1 Product and Company Identification

Product Name: Cerec Stone BC

Manufacturer/Supplier:
Sirona Dental Systems GmbH
Fabrikkstr. 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/m³

3 Chemical Composition/Information on Ingredients

Chemical characterization:
Name of the substances: Calcium sulphate semihydrate and additives
CAS Nr.: 10034 - 76 - 1
Chemical formula: CaSO₄ x 1/2 H₂O (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 (SO₃). Sulfur containing decomposition products.
Special protective equipment for firefighting: use usual protective equipment for firefighting.
Additional remarks: none
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
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: -
Product Name: Cerec Stone BC  
Valid from: 09.09.2011  
Replaces the version from: -  
Printing date: 29.11.2011

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.