


SAFETY DATA SHEET (EC 1907/2006)			
CEREC Cercon 4D™ Abutment			
Version:	1.1 / GB	Material no.	
Revision date:	21.08.2024	Specification	187930
Issue date:	31.05.2023	VA-Nr	02015356
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name CEREC Cercon 4D™ Abutment
REACH Registration No.: if available listed in Chapter. 3

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified For dental use only.

1.3. Details of the supplier of the safety data sheet

Company DeguDent GmbH
Postfach 1364
D-63403 Hanau

Telephone +49 (0)6181/59-5576
Telefax +49 (0)6181/59-5751
Email address SDB.Degudent-DE@dentsplysirona.com

1.4. Emergency telephone number

Emergency information +49 (0)6181/59-50 (This telephone number is available during office hours only.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Remarks Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Labelling as per (EU) 1272/2008

Remarks Labelling not required according to EU-CLP Ordinance (1272/2008).

2.3. Other hazards

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

SECTION 3: Composition/information on ingredients

Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008

• Zirconium dioxide			
CAS-No.	1314-23-4	EC-No.	215-227-2

Texts of H phrases, see in Chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

In case product dust is released:
Remove to fresh air.

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Skin contact

In case product dust is released:
Wash off with plenty of water.

Eye contact

In case product dust is released:
Rinse thoroughly with plenty of water keeping eyelid open.
If eye irritation persists, consult a specialist.

Ingestion

Have the mouth rinsed with water.
In case of discomfort: Supply with medical care.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms

No information available.

Hazards

None known

4.3. Indication of any immediate medical attention and special treatment needed

If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Foam
Dry powder
Carbon dioxide (CO₂)
Water spray jet

Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

5.3. Advice for firefighters

Extinction measures are to be adjusted to the specific location.
Employ protective equipment commonly used in the event of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case product dust is released:
Do not breathe dust.

6.2. Environmental precautions

Prevent material from entering drains and/or water ways.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.
Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Disposal considerations; see section 13.
Wear personal protective equipment; see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

In case product dust is released:
Do not breathe dust.
No special measures are necessary if properly handled.

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- If dust occurs:
Personal protective equipment
- 7.2. Conditions for safe storage, including any incompatibilities
 Storage
 Further information
 Store in a cool and dry place. Protect from sources of warmth and heat!
 German storage class
 13 - Non Combustible Solids

- 7.3. Specific end use(s)

 We are unaware of any specific end uses which go beyond the data reported in Section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

• Zirconium dioxide			
CAS-No.	1314-23-4	EC-No.	215-227-2
Control parameters	5 mg/m3		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	10 mg/m3		Short Term Exposure Limit (STEL):(EH40 WEL)

8.2. Exposure controls

- Engineering measures
In case product dust is released:, Local ventilation.
- Personal protective equipment
- Respiratory protection
In case product dust is released:, Do not breathe dust., If maximum admissible concentration value at the workplace is exceeded, apply Dust mask.
- Hand protection
Protective gloves - select suitable protective gloves from the glove chart.
- Eye/face protection
Safety glasses with side-shields, If dust occurs: basket-shaped glasses
- Skin and body protection
Wear suitable protective clothing.
- Hygiene measures
Handle in accordance with good industrial hygiene and safety practice., When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance
 Form blocks
 Colour white
 physical state solid
- Odour odourless
- Odour threshold: no data available
- pH no data available
- Melting point/range no data available

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Boiling point/range	no data available
Flash point	does not flash
Evaporation rate	no data available
Flammability (solid, gas)	not flammable
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Vapour density	no data available
Density	no data available
Water solubility	insoluble
Partition coefficient: n-octanol/water	no data available
Autoinflammability	Not capable of spontaneous combustion or heating.
Thermal decomposition	no data available
Viscosity, dynamic	no data available
Viscosity, kinematic	not applicable
Explosiveness	not explosive
Oxidizing properties	not oxidizing

9.2. Other information

Other information No further physicochemical data were determined.

SECTION 10: Stability and reactivity**10.1. Reactivity**

no data available

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

No limitations

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products known.
No further information available

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute oral toxicity	no data available
Acute inhalation toxicity	no data available
Acute dermal toxicity	no data available
Skin irritation	Based on available data, the classification criteria are not met.
Eye irritation	Based on available data, the classification criteria are not met.
Sensitization	Based on available data, the classification criteria are not met.
Repeated dose toxicity	Based on available data, the classification criteria are not met.
Mutagenicity assessment	no data available
Carcinogenicity	no data available
Toxicity to reproduction	no data available
Further information	No hazardous reactions are known if properly handled and stored.

SECTION 12: Ecological information

12.1. Toxicity

no ecotoxicological studies with the product available.

12.2. Persistence and degradability

Biodegradability no data available

12.3. Bioaccumulative potential

Bioaccumulation no data available

12.4. Mobility in soil

Mobility no data available

12.5. Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

12.6. Other adverse effects


Further Information No data can be given because of insolubility in water.
Do not allow entrance in sewage water and soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Disposal according to local authority regulations.

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Uncleaned packaging
Disposal according to local authority regulations.

SECTION 14: Transport information

Not dangerous according to transport regulations.

- | | | |
|-------|-------------------------------|----|
| 14.1. | UN number: | -- |
| 14.2. | UN proper shipping name: | -- |
| 14.3. | Transport hazard class(es): | -- |
| 14.4. | Packing group: | -- |
| 14.5. | Environmental hazards: | -- |
| 14.6. | Special precautions for user: | No |

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National legislation

15.2. Chemical safety assessment

Chemical safety assessment	No Chemical Safety Report as per Articles 2(8), 2(9) or 14 of the REACH Regulatione is required for this product.
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SECTION 16: Other information

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances

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EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCi	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization