

# SAFETY DATA SHEET (EC 1907/2006)

**Cercon base**  
**Cercon ht**  
**Cercon xt**  
**Cercon xt ML**  
**Cercon ht ML**

Version: **2.12 / GB**  
Revision date: **03.12.2020**  
Issue date: 03.09.2001  
replaces version: 2.11  
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Material no.  
Specification **128664**  
VA-Nr **01906661**



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name  
Cercon base  
Cercon ht  
Cercon xt  
Cercon xt ML  
Cercon ht ML

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)6181/59-5879  
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

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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.

#### 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: All extinguishing substances suitable.

### 5.2. Special hazards arising from the substance or mixture

The product itself does not burn.  
None known.

### 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

No special environmental precautions required.

### 6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.

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Dispose of absorbed material in accordance with the regulations.

## 6.4. Reference to other sections

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

## 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.  
If dust occurs:  
Personal protective equipment

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage

**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

No special protective equipment required.

##### Eye/face protection

Safety glasses with side-shields, If dust occurs: basket-shaped glasses

##### Skin and body protection

No particular measures required.

##### 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

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Page: **4 / 8**Material no.  
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Appearance	
Form	cylinder, Disk
Colour	depending on staining result
Odour	odourless
Odour threshold:	not applicable
pH	not applicable
Melting point/range	> 1900 °C
Boiling point/range	not applicable
Flash point	does not flash
Evaporation rate	not applicable
Flammability (solid, gas)	not flammable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	No data available
Density	no data available
Relative 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	not applicable
Viscosity, kinematic	no data available
Explosiveness	not explosive
Oxidizing properties	not oxidizing

**9.2. Other information**

Other information No further physicochemical data were determined.

**SECTION 10: Stability and reactivity**

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## 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 reactions known.

## 10.4. Conditions to avoid

No limitations

## 10.5. Incompatible materials

None known.

## 10.6. Hazardous decomposition products

No hazardous decomposition products known.

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## SECTION 11: Toxicological information

### 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	no data available
Eye irritation	no data available
Sensitization	no data available
Repeated dose toxicity	no data available
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.

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## SECTION 12: Ecological information

### 12.1. Toxicity

*No ecotoxicological data is available for this product.*

### 12.2. Persistence and degradability

Biodegradability      no data available

### 12.3. Bioaccumulative potential

Bioaccumulation      no data available

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## 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.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Product

Disposal according to local authority regulations.

#### Uncleaned packaging

Disposal according to local authority regulations.

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## 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

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## 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 Regulation 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.

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**Legend**

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration factor
<b>BetrSichV</b>	German Ordinance on Industrial Safety and Health
<b>c.c.</b>	closed cup
<b>CAS</b>	Chemical Abstract Services
<b>CESIO</b>	European Committee of Organic Surfactants and their Intermediates
<b>ChemG</b>	German Chemicals Act
<b>CMR</b>	carcinogenic-mutagenic-toxic for reproduction
<b>DIN</b>	German Institute for Standardization
<b>DMEL</b>	Derived minimum effect level
<b>DNEL</b>	Derived no effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>EC50</b>	half maximal effective concentration
<b>GefStoffV</b>	German Ordinance on Hazardous Substances
<b>GGVSEB</b>	German ordinance for road, rail and inland waterway transportation of dangerous goods
<b>GGVSee</b>	German ordinance for sea transportation of dangerous goods
<b>GLP</b>	Good Laboratory Practice
<b>GMO</b>	Genetic Modified Organism
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods
<b>ISO</b>	International Organization For Standardization
<b>LOAEL</b>	Lowest observed adverse effect level
<b>LOEL</b>	Lowest observed effect level
<b>NOAEL</b>	No observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent, bioaccumulative, toxic
<b>PEC</b>	Predicted effect concentration
<b>PNEC</b>	Predicted no effect concentration
<b>REACH</b>	REACH registration
<b>RID</b>	Convention concerning International Carriage by Rail
<b>STOT</b>	Specific Target Organ Toxicity
<b>SVHC</b>	Substances of Very High Concern

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**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