

# SAFETY DATA SHEET (EC 1907/2006)

**Cercon base**

**Cercon ht**

**Cercon xt**

Version: **2.10 / GB**  
Revision date: **06.10.2017**  
Issue date: **03.09.2001**  
replaces version: **2.9**  
Page: **1 / 7**

Material no. **5366111012**  
Specification **128664**  
VA-Nr **01776365**



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

### 1.1. Product identifier

Trade name Cercon base  
Cercon ht  
Cercon xt

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)6181/59-5767  
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.  
Dispose of absorbed material in accordance with the regulations.

### 6.4. Reference to other sections

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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/m <sup>3</sup>  |        | Time Weighted Average (TWA):(EH40 WEL)      |
| Control parameters  | 10 mg/m <sup>3</sup> |        | 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

### 9.1. Information on basic physical and chemical properties

#### Appearance

Form

cylinder, Disk

Colour

depending on staining result

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|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| 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                                 |
| 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                                    |
| 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 reactions known.

**10.4. Conditions to avoid**

No limitations

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## 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

### 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.

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## 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.

#### 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 Regulation is required for this product.

## 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

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|                  |                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>ASTM</b>      | Inland Waterways                                                                                                   |
| <b>ATP</b>       | American Society for Testing and Materials                                                                         |
| <b>BCF</b>       | Adaptation to Technical Progress                                                                                   |
| <b>BetrSichV</b> | Bioconcentration factor                                                                                            |
| <b>c.c.</b>      | German Ordinance on Industrial Safety and Health                                                                   |
| <b>CAS</b>       | closed cup                                                                                                         |
| <b>CESIO</b>     | Chemical Abstract Services                                                                                         |
| <b>ChemG</b>     | European Committee of Organic Surfactants and their Intermediates                                                  |
| <b>CMR</b>       | German Chemicals Act                                                                                               |
| <b>DIN</b>       | carcinogenic-mutagenic-toxic for reproduction                                                                      |
| <b>DMEL</b>      | German Institute for Standardization                                                                               |
| <b>DNEL</b>      | Derived minimum effect level                                                                                       |
| <b>EINECS</b>    | Derived no effect level                                                                                            |
| <b>EC50</b>      | European Inventory of Existing Commercial Chemical Substances                                                      |
| <b>GefStoffV</b> | half maximal effective concentration                                                                               |
| <b>GGVSEB</b>    | German Ordinance on Hazardous Substances                                                                           |
| <b>GGVSee</b>    | German ordinance for road, rail and inland waterway transportation of dangerous goods                              |
| <b>GLP</b>       | goods                                                                                                              |
| <b>GMO</b>       | German ordinance for sea transportation of dangerous goods                                                         |
| <b>IATA</b>      | Good Laboratory Practice                                                                                           |
| <b>ICAO</b>      | Genetic Modified Organism                                                                                          |
| <b>IMDG</b>      | International Air Transport Association                                                                            |
| <b>ISO</b>       | International Civil Aviation Organization                                                                          |
| <b>LOAEL</b>     | International Maritime Dangerous Goods                                                                             |
| <b>LOEL</b>      | International Organization For Standardization                                                                     |
| <b>NOAEL</b>     | Lowest observed adverse effect level                                                                               |
| <b>NOEC</b>      | Lowest observed effect level                                                                                       |
| <b>NOEL</b>      | No observed adverse effect level                                                                                   |
| <b>o. c.</b>     | no observed effect concentration                                                                                   |
| <b>OECD</b>      | no observed effect level                                                                                           |
| <b>OEL</b>       | open cup                                                                                                           |
| <b>PBT</b>       | Organisation for Economic Cooperation and Development                                                              |
| <b>PEC</b>       | Occupational Exposure Limit                                                                                        |
| <b>PNEC</b>      | Persistent, bioaccumulative, toxic                                                                                 |
| <b>REACH</b>     | Predicted effect concentration                                                                                     |
| <b>RID</b>       | Predicted no effect concentration                                                                                  |
| <b>STOT</b>      | REACH registration                                                                                                 |
| <b>SVHC</b>      | Convention concerning International Carriage by Rail                                                               |
| <b>TA</b>        | Specific Target Organ Toxicity                                                                                     |
| <b>TPR</b>       | Substances of Very High Concern                                                                                    |
| <b>TRGS</b>      | Technical Instructions                                                                                             |
| <b>VCI</b>       | Third Party Representative (Art. 4)                                                                                |
| <b>vPvB</b>      | Technical Rules for Hazardous Substances                                                                           |
| <b>VOC</b>       | German chemical industry association                                                                               |
| <b>VwVwS</b>     | very persistent, very bioaccumulative                                                                              |
|                  | volatile organic compounds                                                                                         |
|                  | German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes |
| <b>WGK</b>       | Water Hazard Class                                                                                                 |
| <b>WHO</b>       | World Health Organization                                                                                          |