

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 20.05.2011

Revision: 20.05.2011

1 Identification of the substance/mixture and of the company/undertaking· **Product identifier**

- **Trade name: Cara ZrO2 white**
- **Relevant identified uses of the substance or mixture and uses advised against**
 - **Application of the substance / the preparation** Manufacture of dental prosthesis

· **Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:**

Heraeus Kulzer GmbH
Grüner Weg 11, D-63450 Hanau

Tel.: 0800 4372522

· **Informing department:**

Dr. Andreas Unkelbach
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· **Emergency telephone number: -****2 Hazards identification**· **Classification of the substance or mixture**

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** void
 - **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Label elements**· **Labelling according to EU guidelines:**

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

· **Other hazards**· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients· **Chemical characterization: Mixtures**

- **Description:** -
- **Dangerous components:** Void

4 First aid measures· **Description of first aid measures**

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
In case of persistent symptoms consult doctor.

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5 Firefighting measures

- **Extinguishing media**
 - **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Advice for firefighters**
 - **Protective equipment:** No special measures required.
- **Additional information** -

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Use breathing protection against the effects of fumes/dust/aerosol.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Collect mechanically.
- **Reference to other sections**
See Section 13 for information on disposal.
See Section 8 for information on personal protection equipment.
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7 Handling and storage

- **Handling**
 - **Precautions for safe handling** Provide suction extractors if dust is formed.
 - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with critical values that require monitoring at the workplace:**

1314-23-4 zirconium dioxide

WEL ()	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ as Zr
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· **Additional information:** The lists that were valid during the compilation were used as basis.

- **Exposure controls**
 - **Personal protective equipment**
 - **Breathing equipment:** Use a mask with particle filter in case of dust generation.
 - **Protection of hands:** Not required.
 - **Eye protection:** Use safety goggles when grinding.
 - **Body protection:** Light weight protective clothing

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9 Physical and chemical properties· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

- **Form:** Solid.
- **Colour:** White
- **Smell:** Odourless

· **Change in condition**

- **Melting point/Melting range:** 2400°C
- **Boiling point/Boiling range:** Not determined

· **Flash point:** Not applicable· **Danger of explosion:** Product is not explosive.· **Density at 20°C** 6.05 +/- 0.05 g/cm³· **Solubility in / Miscibility with**· **Water:** Insoluble· **Solvent content:**· **Solids content:** 100.0 %**10 Stability and reactivity**· **Reactivity**· **Chemical stability**· **Conditions to be avoided:** No decomposition if used and stored according to specifications.· **Possibility of hazardous reactions** No dangerous reactions known· **Hazardous decomposition products:** None· **Additional information:** -**11 Toxicological information**· **Information on toxicological effects**· **Acute toxicity:**· **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.

· **Sensitization:** No sensitizing effect known.· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information· **Toxicity**· **Aquatic toxicity:** No further relevant information available.· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation** Smaller quantities can be disposed with household garbage.
- **Uncleaned packagings:**
 - **Recommendation:** Packaging can be reused or recycled after cleaning.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
 - **ADR/RID-GGVS/E Class:** -
- **Maritime transport IMDG/GGVSea:**
 - **IMDG/GGVSea Class:** -
 - **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
 - **ICAO/IATA Class:** -
- **Special precautions for user** Not applicable.
- **Transport/Additional information:** -

15 Regulatory information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Contact:**
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- * **Data compared to the previous version altered.**

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