





ZIECON

**4. First aid measures**

<b>General advice:</b>	No special measures necessary.
<b>If inhaled:</b>	Ensure proper ventilation. If breathing difficulty persists, consult a physician.
<b>Skin contact:</b>	Rinse with hot water and soap. If breathing difficulty persists, consult a physician.
<b>Eye contact:</b>	If product dust is released, rinse eyes thoroughly with water. If breathing difficulty persists, consult a physician.
<b>If swallowed:</b>	Induce vomiting . If breathing difficulty persists, consult a physician.

**5. Fire-fighting measures**

- No special regulations.
- Fire and Explosion Resistant Product.
- Fire-fighting measures should be appropriate in the vicinity of the product .

**6. Accidental release measures**

<b>Personal precautions:</b>	Standard use of protective clothing and dust mask, Vacuuming of the premises.
<b>Environmental precautions:</b>	Protect from surface water or groundwater, or emptying into drains.
<b>Methods for cleaning/taking up:</b>	Collect up mechanically, Vacuum up.
<b>Additional information:</b>	No special measures for the material in compact form.

**7. Handling and storage**

<b>7.1 Handling:</b>	- As per work instructions. - Ensure adequate ventilation/air extraction in the workplace. - If used properly, no special measures necessary. - Do not breathe in dusts. - If dust is given off: wear personal protective clothing and vacuum the premises.
<b>7.2 Storage:</b>	No special measures necessary. No recommendations intermediate storage.
<b>7.3 Specific use(s):</b>	Material for the manufacture of dental medical prostheses.



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**8. Exposure controls and personal protection**

**8.1 Exposure limit values:**

<b>Additional information about design of technical facilities</b>	none
<b>Ingredients with limit values that require monitoring at the workplace</b>	not applicable
<b>Additional information</b>	none

**8.2 Exposure controls:**

<b>Occupational exposure controls</b>	Suitable ventilation/air extraction must be used in the work place or on the equipment.
<b>Personal protection – equipment</b>	Respiratory protection device if there is insufficient ventilation to the premises. If dust forms: Protective goggles with side protection. Light protective clothing. After work, ensure that skin is cleaned and hand-care products used.
<b>Personal protection – conduct</b>	<ul style="list-style-type: none"> <li>- Avoid contact with mouth, eyes and clothing.</li> <li>- Use hand protection and light protective clothing.</li> <li>- Do not breathe in dusts.</li> <li>- Clean hands afterwards with hand-care products.</li> <li>- Do not smoke, eat or drink whilst working.</li> <li>- Keep away from contact of edible products.</li> </ul>

**9. Physical and chemical properties**

<b>Appearance</b>	- White
<b>Surface Finish</b>	- Smooth
<b>Condition</b>	- Solid block
<b>Odour</b>	- None
<b>Melting point</b>	- 2680°C
<b>Boiling point</b>	- 5500°C
<b>Ignition point</b>	- Non flammable
<b>Green Density</b>	- 3.2 g/cc
<b>Final Sintered Density</b>	- 6.05 g/cc
<b>Solubility</b>	- Water
<b>Radioactivity</b>	- < 0.003 Bq/g (It has passed radioactive test)



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10. Stability and reactivity

- 10.1 Conditions to avoid: Not known.
- 10.2 Materials to avoid: Not known.
- 10.3 Hazardous decomposition products: Not known.

11. Toxicological information

If handled and stored properly, then according to the available information there are no known reactions which are damaging to health.

Information gained from practical use.

Inhalation of dusts can lead to irritation of the airways.

Contact with the skin can cause mechanical irritation.

12. Ecological information

If used properly, no environmental problems are anticipated.

Do not empty the product into bodies of water, groundwater or drains.

13. Disposal instructions

- Product: Disposal in accordance with local authority regulations.
- Packaging:

14. Transportation information

Not a hazardous good, having regard to the transportation regulations.

Classification: Not applicable

15. Regulations

The standard regulatory measures applicable to the handling of chemicals are to be respected.

Marking pursuant to EC Directives:

The product does not require marking, according to EU Directives.

National regulations:

Risk classification in accordance with the German Water Resources Act (WGK, or Wassergefährdungsklasse):

Not determined, since not soluble in water.

Product not requiring marking pursuant to the German Hazardous Materials Regulations (GefStoffV, or Gefahrstoffverordnung).

- Hazard symbols: None
- R phrases: None
- S phrases: 29 Do not empty into drains

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**16. Other information**

This EU safety data sheet is intended to describe this product with regard to the safety requirements and is therefore not meant to provide an assurance of particular characteristics.

The information is based on the current state of our knowledge and relates to the product in its condition as supplied.

However, no guarantee, warranty or assurance is accepted either explicitly or implicitly for the accuracy, reliability and/or completeness of this information.

We expressly call on the persons receiving this information to check on the suitability and completeness of this information for their particular application.

Product is only for professional and single use.