

### 1 Identification of the substance/preparation and of the company/undertaking

- Product details
- Trade name: **Vision-Zircon powder ceramic**
- Application of the substance / the preparation Auxiliary for dental technology
- Manufacturer/ Supplier:

WOHLWEND AG  
Platta 52, FL-9488 Schellenberg  
Tel. +423 373 42 43  
Fax +423 373 42 44  
E-Mail: [info@wohlwend-ag.com](mailto:info@wohlwend-ag.com)

- Further information obtainable from: Technical Operations
- Information in case of emergency  
Office of Public Health, Medical Devices, FL-9490 Vaduz

### 2 Hazards identification

- **Information concerning particular hazards for human and environment:** Not applicable
- **GHS label elements** Void

### 3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**  
65999-17-3 Glass, oxide, chemicals
- **Identifications number(s)**
- **EINECS Number:** 266-046-0

### 4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctors in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water sprays, Fight larger fire water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measure for environmental protection:** Do not allow to enter sewers/surface or ground water.
- **Measure for cleaning/collecting:** Pick up mechanically
- **Additional information:** No dangerous substances are released

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire- and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** None.

### 8 Exposure controls/personal protections

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of glove material on consideration of the penetration time, rate of diffusion and the degradation.
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substance, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed
- **Eye protection:** Goggles recommended during refilling

### 9 Physical and chemical properties

#### • General Information

<b>Form :</b>	Powder
<b>Colour :</b>	According to product specification
<b>Odour :</b>	Characteristic
<b>• Change in condition</b>	
<b>Melting point/ Melting range:</b>	Undetermined.
<b>Boiling point/ Boiling range :</b>	Undetermined.
<b>• Flash point:</b>	Not applicable.
<b>• Flammability (solid, gaseous):</b>	Product is not flammable.
<b>• Danger of explosion:</b>	Product does not present an explosion hazard.
<b>• Density:</b>	Not determined.
<b>• Solubility in/ Miscibility with water :</b>	Insoluble.
<b>• Solvent content</b>	0.0%
<b>Organic solvents</b>	
<b>• Solids content:</b>	100.0%

### 10 Stability and reactivity

- **Thermal decomposition/ conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

#### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effects:**
- **on the skin:** no irritant effects.
- **on the eyes:** no irritant effects.
- **Sensitization:** No sensitizing effects known.
- **Addition toxicological information:**  
The substance is not subject to classification according to the latest version of the EU lists.

#### 12 Ecological information

- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slight hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### 13 Disposal consideration

- **Product:**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be according to official regulations

#### 14 Transport information

- **Land transport ADR/RID (cross-border):** -
- **ADR/RID Class:** -
- **Maritime transport IMDG:**
- **Marine pollutant:** No
- **UN "Model Regulation":-**

#### 15 Regulatory information

- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals  
The substance is not subject to classification according EU lists and other sources of literature knows to us.

#### 16 Ohters information

**Department issuing MSDS:** Research and Development  
WOHLWEND AG, Tel. +423 373 42 43

#### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)