

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
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- 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:**
CO₂, 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

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