

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

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

WOHLWEND AG
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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**

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 last valid version.

- **Classification systems:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:**

Mixture of substance listed below with nonhazardous additions.

Mixture: consisting of the following components. Glass, Ceramics

- **Dangerous components:**

CAS: 7646-85-7	zinc chloride	< 0,1%
EINECS: 231-592-0	 C  Xn  N R 22-34-50/53	

- **Additional information:** For the wording of listed risk phrases refer to selection 16.

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:** No special measures required.
- **Measure for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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:**

57-55-6 Propylene glycol

WEL()	Long-term value: 474* 10** ppm *total vapour and particulates ** particulates
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- **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:	Liquid
Colour:	Colourless
Odour:	Odourless
• Change in condition	
Melting point/ Melting range:	Undetermined.
Boiling point/ Boiling range:	100°C
• Flash point:	Not applicable.
• Self-igniting:	Product is not selfigniting
• Danger of explosion:	Product does not present an explosion hazard
• Density at 20°C	1g/cm ³ .
• Solubility in/Michibility with water:	Soluble
• pH-value at 20°C:	6,4
• Solvent content	
Organic solvents	2.0%

Safety Data Sheet

According to (EG) 1907/2006 & (EG) 1272/2008

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10 Stability and reactivity

- **Thermal decomposition/ conditions to be avoided:**

No decomposition if used according to be 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 product is not subject to classification according to the calculation method of the General EU Classification Guideline for Preparations as issued in the latest version.

12 Ecological information

- **General notes:** Generally not hazardous for water

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:**

- **IMDG Class:** -

- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** -

15 Regulatory information

- **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

- **National regulations:**

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water

16 Ohters information

- **Relevant R-phrases**

22 Harmful if swallowed.

34 Causes burns.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing MSDS: Research and Development

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