

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

- Product details
- Trade name: **Vision-Zircon Glaze Liquid**
- 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

- 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: 57-55-6

EINECS: 200-338-0

Propylene glycol

≥ 90,0%

- **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:**

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:** 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 glycol

WEL ()	Long-term value: 474* 10** mg/m <sup>3</sup> 150* 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:	Characteristic
• <b>Change in condition</b>	
<b>Melting point/ Melting range:</b>	-60°C
<b>Boiling point/ Boiling range:</b>	Undetermined
• <b>Flash point:</b>	107°C
• <b>Ignition temperature :</b>	414°C
• <b>Self- igniting :</b>	Product is not self igniting
• <b>Danger of explosion:</b>	Product does not present an explosion hazard
<b>Explosion limit</b>	
Lower	2.6 Vol%
Upper	12.6 Vol%
• <b>Vapour pressure at 20°C:</b>	0,1 hPa
• <b>Density:</b>	Not determined
• <b>Solubility in/ Miscibility with water</b>	Soluble.
• <b>Solvent content</b>	99.0%
Organic solvents	

#### 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).

#### 16 Others information

**Department issuing MSDS:** Research and Development  
**Wohlwend AG,** Tel. +423 373 4243