

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

- **Product identifier**
- **Trade name:** Willi Geller Creation Opaque Liquid high- fusing OL-H, low- fusing OL-L & Ti Bonder Liquid

• **Relevant identified uses of the substance or mixture and uses advised against:** No further relevant information available.

- **Application of the substance / the mixture:** Auxillary for dental technology

Details of the supplier of the safety data sheet

- **Manufacturer/ Supplier:**

KLEMA Dentalprodukte GmbH
Koblacherstraße 3a, A-6812 Meiningen
Tel. +43 5522 36837
Fax +43 5522 36839
E-Mail: office@klema.at

- **Emergency telephone number:** Technical Operations

National poison center for United Kingdom of Great Britain and Northern Ireland:

Belfast: +44 28 90 63 2032

Birmingham: +44 121 507 4123

Edinburgh: +44 131 242 1383

Newcastle Upon Tyne: +44 191 2606182/+44 191 2606180

Penarth: +44 292 071 55 54

***2 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

***3 Composition/information on ingredients**

- **Chemical characterization: Mixture**
- **Discription:**
Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16

4 First aid measures*Description of first aid measures**

- **General information:** No special measures required. If symptoms persist, consult doctor
- **After inhalation:** Take affected persons into fresh air and keep quiet.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

- **Most important symptoms and effects, both acute and delayed** No further relevant information available
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available

*5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

*6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Remove persons from danger area.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.
- **Methods and material for containment and cleaning up:**
Absorb liquid components with liquid-binding material.
Dispose of the material collected according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*7 Handling and storage

Precautions for safe handling: No special precautions are necessary if used correctly.

- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

*8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:** Protective gloves
- **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 substances, 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:** Safety glasses

*9 Physikalische und chemische Eigenschaften

Information on basic physical and chemical properties

• **General Information**

• **Appearance:**

| | |
|--|---|
| Form: | Liquid |
| Colour: | Colourless |
| Odour: | Characteristics |
| Odour threshold: | Not determined |
| pH- Wert | Not determined |
| • Change in condition | |
| Melting point/freezing point: | Undertermined |
| Initial boiling point and boiling range: | 100°C |
| • Flash point: | Not applicable |
| • Flammability (solid, gas): | Not applicable |
| • Ignition temperature: | Undertermined |
| • Decomposition temperature: | Not determined |
| • Auto-ignition temperature: | Product is not selfigniting |
| • Explosive properties: | Product does not present an explosion hazard. |
| • Explosion limits: | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| • Vapour pressure: | Not determined |
| • Density at 20 °C: | 1 g/cm ³ |
| • Relative density | Not determined. |
| • Vapour density | Not determined. |
| • Evaporation rate | Not determined. |
| • Solubility in / Miscibility with water: | Insoluble. |
| • Partition coefficient: n-octanol/water: | Not determined. |
| • Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| • Other information | No further relevant information available |

*10 Stability and reactivity

• **Reactivity** No further relevant information available.

• **Chemical stability**

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

No decomposition if used according to specifications.

• **Possibility of hazardous reactions** No dangerous reactions known.

• **Conditions to avoid** No further relevant information available.

• **Incompatible materials:** No further relevant information available

• **Hazardous decomposition products:** No dangerous decomposition products known.

*11 Toxicological information

Information on toxicological effects

- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** No further relevant information available.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological information

Toxicity

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:** - General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

*13 Disposal considerations

Waste treatment methods

European waste catalogue

18 00 00 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)

18 01 00 wastes from natal care, diagnosis, treatment or prevention of disease in humans

18 01 07 chemicals other than those mentioned in 18 01 0

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulation

*14 Angaben zum Transport

• UN-Number

- **ADR, ADN, IMDG, IATA** not regulated

UN proper shipping name

- **ADR, ADN, IMDG, IATA** not regulated

Transport hazard class(es)

- **ADR, ADN, IMDG, IATA**

- **Klasse** not regulated

Packing group

· ADR, IMDG, IATA not regulated

Environmental hazards:

· Marine pollutant: No

Special precautions for user Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

UN "Model Regulation": not regulated

*15 Regulatory information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

*16 Other information

· **Classification according to Regulation (EC) No 1272/2008** Calculation method

· **Department issuing SDS:** Technical Operations

· **Contact:** office@klema.at

· **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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

· **Sources**

• ECHA (<http://echa.europa.eu/>)

• EnviChem (www.echemportal.org)

* **Data compared to the previous version altered**

This version replaces all previous versions.

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