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*	1 Identification of the substance/ preparation and of the company/ undertaking												
	<ul style="list-style-type: none"> • Product identifier • Trade name: <u>Willi Geller Creation Universal & Glaze Liquid UL/GL</u> • Relevant identified uses of the substances or mixture and used advised against: No further relevant information available. • Application of the substance / the mixture: Auxiliary for dental technology • Manufacturer/ Supplier: KLEMA Dentalprodukte GmbH Koblacherstraße 3a, A-6812 Meiningen Tel. +43 5522 36837 Fax +43 5522 36839 E-Mail: office@klema.at • Further information obtainable from: Technical Operations • Emergency telephone number: 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												
	<ul style="list-style-type: none"> • Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation. • Label elements Labelling according to Regulation (EC) No 1272/2008: Void Hazard pictograms: Void Signal word: Void Hazard statements: Void • Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 												
*	3 Composition/ information on ingredients												
	<ul style="list-style-type: none"> • Chemical characterization: Mixtures • Description 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. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td colspan="4" style="padding: 2px;">Dangerous components:</td> </tr> <tr> <td style="padding: 2px;"><i>CAS: 57-55-6</i></td> <td style="padding: 2px;"><i>propane-1,2-diol</i></td> <td style="padding: 2px;"><i>substance with a Community workplace exposure limit</i></td> <td style="padding: 2px; text-align: right;"><i>90-100%</i></td> </tr> <tr> <td style="padding: 2px;"><i>EINECS: 200-338-0</i></td> <td></td> <td></td> <td></td> </tr> </table> <ul style="list-style-type: none"> • Trade name: <u>Willi Geller Creation Universal & Glaze Liquid UL/GL</u> • Additional information: For the wording of the listed risk phrases refer to section 16. 	Dangerous components:				<i>CAS: 57-55-6</i>	<i>propane-1,2-diol</i>	<i>substance with a Community workplace exposure limit</i>	<i>90-100%</i>	<i>EINECS: 200-338-0</i>			
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<i>EINECS: 200-338-0</i>													
*	4 First aid measures												
	<ul style="list-style-type: none"> • 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												
	<p>Extinguishing media</p>												

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• **Suitable extinguishing agents:**

CO₂, powder or water sprays, Fight larger fire 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**

• **Precaution 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 protections**

• **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:

57-55-6 propane-1,2-diol

WEL	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
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• **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

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*	9 Physical and chemical properties
	Information on basic physical and chemical properties <i>General Information</i> Appearance: Form: Fluid Colour: According to product specification Odour: Characteristic Odour threshold: Not determined pH-value Not determined Change in condition Melting point/ Melting range Undetermined Poling point/ Boiling range Undetermined Flash point Not applicable Flammability (solid, gaseous) Not applicable Ignition temperature Undetermined Decompositon temperature Not determined Self-igniting Product is not selfigniting. Danger of explosion Product does not present an explosion hazard Explosion limits Lower Not determined Upper Not determined Vapour pressure Not determined Density Not determined Relative density Not determined Vapour density Not determined Evaporative rate Not determined Solubility in/ Miscibility with Water: Fully micible 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
	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Acute toxicity • LD/LC50 values relevant for classification: No further relevant information available.

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- **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):** No further relevant: information available.
- **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 3 (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 consideration**

- **Waste treatment methods:**
- **Recommendation:** Smaller quantities can be disposed of with household waste.

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 06

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

* **14 Transport information**

• UN-Number	
• ADR, AND, IMDG, IATA	not regulated
• UN proper shipping name	
• ADR, AND, IMDG, IATA	not regulated
• Transport hazard class(es)	
• ADR, AND, IMDG, IATA	
• Class	not regulated
• Packaging 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

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* **15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:** No further relevant information available.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* **16 Other informations**

- **Classification according to Regulation (EC) No 1272/2008** Calculation method
- **Department issuing MSDS:** Research and Development, Klema Dentalprodukte GmbH
- **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)
 - 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 altered**

This version replaces all previous versions.

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