

Safety Data Sheet
according to 1907/2006/ EC, Article 31

Printing date: 09.07.2015

Version 3

Revision: 09.07.2015

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

Product details

- **Trade name:** Creation Modelling Liquid high-fusing ML-H, low-fusing ML-L
- **Application of the substance / the preparation:** Auxiliary for dental technology

· **Manufacturer/ Supplier:**

KLEMA Dentalprodukte GmbH
Koblacherstraße 3a, A-6812 Meiningen
Tel. +43 5522 36837-33
Fax +43 5522 36839
E-Mail: office@klema.at

- **Further information obtainable from:** Technical Operations

Information in case of emergency:

For Great Britain:

Poisons Information Service: 0870 600 6266

In case of emergency, you can use <http://www.who.int/ipcs/poisons/centre/directory/euro/en/index.html> to find the phone number of the poison centre.

***2 Hazards identification**

- **Classification of the substance or mixture**

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
- Not applicable

· **Label elements**

· **Labelling according to EU guidelines:**

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

· **Prevention:**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization**

· **Description:**

Mixture of substances listed below with non-hazardous additions. Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 7646-85-7

EINECS: 231-592-0

Zinc chloride



H302, H314, H410

< 0,05%

Additional information: For the wording of the listed risk phrases refer to section 16.

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***4 First aid measures**

- **General information:** No special measures required
- **After inhalation:** Supply fresh air; consult doctor 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. If symptoms persist, consult a doctor.
- **After swallowing:** 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.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures 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:**
- **Precautions 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.

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***8 Exposure controls/personal protection**

- **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 Proylne glycol; Wel () Lon-term value: 474*10**mg/m³,150*ppm
*total vapour and particulates ** particulates
- **Additional information:** The lists valid during the making were used as basis
- **Control parameters**
- **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 the glove material on consideration of the penetration times, rates 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 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:** Goggles recommended during refilling

9 Physical and chemical properties

· General Information	
Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
· Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	100°C
· Flash point:	Not determined
· Ignition temperature:	414°C
· Self-igniting:	Product is not self-igniting
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	100000q/cm ³
· Solubility in / Miscibility with water:	Soluble
· pH-value at 20°C:	6.4
· Solvent content:	2,0%
Organic solvents:	

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* 10 Stability and reactivity

- **Chemical stability** Stable under normal handling and storage conditions.
 - **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:** None under normal conditions of storage and use.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

* 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bio accumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available

13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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*14 Transport information

UN-Number	Void
ARD, ADN, IMDG, IATA	
UN proper shipping name:	Void
ADR/RID:	
Transport hazard class(es)	
ARD, ADN, IMDG, IATA	Void
Packaging group	
ARD, ADN, IATA	Void
Environmental hazards	No
Marine pollutant	
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

*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:**

Technical instructions (BetrSichV):
- **Technical Instructions on Air Quality:**
- **Other regulations, limitations and prohibitive regulations**

Class	Content in %
NK	99,0

*16 Other information

- **Hazard statement(s)**
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

Department issuing MSDS: Research and Development
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· Klema Dentalprodukte GmbH
· Tel. +43 5522 36837-33

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