

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

- **Product identifier**
- **Trade name:** *Proceed Modelling 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](mailto:office@klema.at)
- **Emergency telephone number:** Technical Operations  
National poison center for India:  
011 – 26589391 / 26593677  
Toll Free Number: 1800116117

## \*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**
- **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.
- **Dangerous component:**

CAS: 7646-85-7 EINECS: 231-592-0	Zink chloride 	H302, H314, H410 P260, P273, P280, P303+P361+P353, P305+P351+P338, P310, P405, P501	< 0,05%
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- **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:** CO<sub>2</sub>, 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 Physical and chemical properties

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<sup>3</sup>
- **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:**

<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>· Other information</b>	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 catalogu

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

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

#### \*14 Transport information

- **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

#### **Full text of R-phrases mentioned in Chapters 2 and 3:**

H302 Harmful if swallowed  
H314 Causes severe skin burns and eye damage  
H410 Very toxic to aquatic life with long lasting effects  
P260 Do not breathe dust/fume/gas/mist/vapours/spray  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician  
P405 Store locked up  
P501 Dispose of contents/container to national law

- **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](http://www.echemportal.org))

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

This version replaces all previous versions.

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