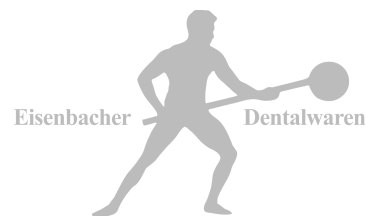




Safety data sheet LIQUID



KERA®-LIQUE
acc. to 1907/2006/EC, article 31 (REACH), 1272/2008/EC (CLP)

Effective as of: 06/2016

Version-Nr.: 01

Replaces version no. 00 von 01/2007

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name Kera®-Lique

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture

Auxiliary for dental technology

Processing aid

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Eisenbacher Dentalwaren ED GmbH

Dr.-Konrad-Wiegand-Straße 9

63939 Woerth am Main/ GERMANY

Telefon: 0 93 72 - 94 04 0

Telefax: 0 93 72 - 94 04 29

Auskunftgebender Bereich:

Klaus Renner Tel.: 0 93 72 – 9404-130

k.renner@eisenbacher.de

1.4 Notrufnummer: Tel.: 0 93 72 – 94 04 –130

info@eisenbacher.de - www.eisenbacher.de

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not to be 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

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Solution of colloidal silicic acid.

Dangerous components: Void

Additional information No further relevant information available.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information No special measures required.

After inhalation : Supply fresh air; consult doctor in case of symptoms.

After skin contact : Wash with water and soap.

After eye contact : Rinse opened eye for 15 minutes under running water. If symptoms persist, consult doctor.

After swallowing :

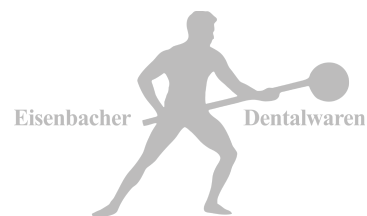
Rinse out mouth and then drink plenty of water (approx. 500 ml).

In case of persistent symptoms consult doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.



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- . **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- . **5.1 Extinguishing media**
- . **Suitable extinguishing agents**
Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water jet. Fight larger fires with foam.
- . **5.2 Special hazards arising from the substance or mixture** none
- . **5.3 Advice for firefighters**
- . **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- . **6.2 Environmental precautions:**
Do not allow concentrated solutions to enter drainage system, surface or ground water.
- . **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
- . **6.4 Reference to other sections** No dangerous materials are released.

SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling**
No special precautions necessary if used correctly.
Keep containers tightly sealed.
- . **Information about protection against explosions and fires:** No special measures required.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and containers:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:**
Protect from frost.
Store in cool, dry conditions in well sealed containers.
- . **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- . **Additional information about design of technical systems:** No further data; see section 7.
- . **8.1 Control parameters**
- . **Components with critical values that require monitoring at the workplace:**
- . **Additional information:** The lists that were valid during compilation were used as a basis.
- . **8.2 Exposure controls**
- . **Personal protective equipment**
- . **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
- . **Breathing equipment:** Not required.
- . **Protection of hands:**
Protective gloves:
In case of spray contact at least protection index 2 recommended, according to more than 30 min. penetration time (EN



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374).

Layer thickness of gloves at least: 0.4 mm

In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.7 mm

· **Material of gloves**

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Natural rubber, NR

Chloroprene rubber, CR

Neoprene gloves

· **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.

· **Not suitable are gloves made of the following materials:** Leather gloves

· **Eye protection:** Safety glasses (DIN 58211, EN 166)

· **Body protection:** Light weight protective clothing

* SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid

Colour: White

· **Smell:** Odourless

· **Odour threshold:** not applicable

· **pH-value at 20 °C:** 9 - 10 (100 %)

· **Change in condition**

Melting point/Melting range: not determined

Boiling point/Boiling range: > 100 °C

· **Flash point:** Not applicable

· **Inflammability (solid, gaseous)** not applicable

· **Ignition temperature:** not applicable

· **Decomposition temperature:** not determined

· **Danger of explosion:** Product is not explosive.

· **Critical values for explosion:**

Lower: not applicable

· **Oxidising properties** none

· **Steam pressure:** not determined

· **Density at 20 °C** 1.09 - 1.35 g/cm³

· **Evaporation rate** not determined

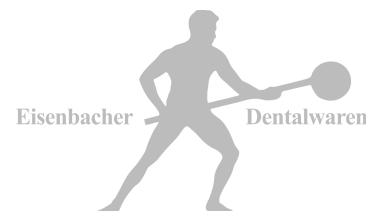
· **Solubility in / Miscibility with**

Water: Fully miscible

· **Partition coefficient (n-octanol/water):** not determined



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- . **Viscosity:**
 - dynamic at 20 °C: < 20 mPas
- . **9.2 Other information** No further relevant information available.

* SECTION 10: Stability and reactivity

- . **10.1 Reactivity** No hazardous reactions when stored and handled according to instructions.
- . **10.2 Chemical stability**
 - . **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . **10.3 Possibility of hazardous reactions** No dangerous reactions known
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** No dangerous decomposition products known

* SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
 - . **Acute toxicity**
 - . **LD/LC50 values that are relevant for classification:**
 - . **Components**

	Type	Value	Species
Product (analogy)	LD50: oral	> 2000 mg/kg	rat
 - . **Primary irritant effect:**
 - . **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
 - . **Serious eye damage/irritation** Moderate irritation
 - . **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
 - . **Sensitisation** No sensitizing effect known.
 - . **Repeated dose toxicity** No further relevant information available.
 - . **CMR effects (carcinogenity, 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.

* SECTION 12: Ecological information

- . **12.1 Toxicity**
 - . **Aquatic toxicity:** No further relevant information available.
- . **12.2 Persistence and degradability** Inorganic salts are basically not biodegradable.
- . **Other information:** Easy elimination possible by flocculation or adsorption by sludge.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Ecotoxicological effects:**
 - . **Other information:**
 - No COD, no BOD, no AOX
 - No VOC according to EC-directive 1999/13/EC
- . **Additional ecological information:**
 - . **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**
 - None



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. General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

. 12.5 Results of PBT and vPvB assessment

. PBT: Not applicable.

. vPvB: Not applicable.

. 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

. 13.1 Waste treatment methods

. Recommendation

Smaller quantities can be disposed with household garbage.

Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

. European waste catalogue

06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

. Uncleaned packaging:

. Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

Dispose of packaging according to regulations on the disposal of packagings.

. Recommended cleaning agent: Water, if necessary with cleaning agent.

* SECTION 14: Transport information

. 14.1 UN-Number

. ADR, IMDG, IATA Void

. 14.2 UN proper shipping name

. ADR, IMDG, IATA Void

. 14.3 Transport hazard class(es)

. ADR, IMDG, IATA Class Void

. Class Void

. 14.4 Packing group

. ADR, IMDG, IATA Void

. 14.5 Environmental hazards: Not applicable.

. 14.6 Special precautions for user Not applicable.

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

. Transport/Additional information: Not dangerous according to the above regulations.
Frost protected transport has to be guaranteed.

. UN "Model Regulation": -

* SECTION 15: Regulatory information

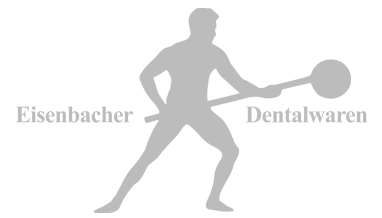
. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

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



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* SECTION 16: Other information

The information is based on our present state of knowledge, they do not constitute a guarantee of product properties and do not establish a contractual relationship.

However, Eisenbacher Dentalwaren ED GmbH does not assume any explicit or implicit guarantee or warranty as to the correctness, reliability or completeness of the information. Eisenbacher Dentalwaren ED GmbH advises any person receiving this information, not to use the product for any other use than the intended use described in section 1.2. The user is responsible for complying with all the necessary legal regulations.

The product must be used by qualified and trained dental technicians, who are aware of the correct use and can be held responsible in case of improper use.

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