

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: enliven Paste Opaque
 Product Code: 0178, 0181

Application: Instant porcelain for production of crowns

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2. HAZARD IDENTIFICATION

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU", in the last valid version.

Classification systems:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation:

Description:

Mixture of substance listed below with nonhazardous additions.

Mixture: Consisting of the following components.

Dangerous components:		
CAS: 7646-85-7	zinc chloride	< 0.01%
EINECS: 231-592-0	 Danger	H302, H314, P273, P280, P305+ H410 P351+ P338, P310, P501
CAS: 56-81-5	EINECS: 200-289-5 Glycerol	< 30%

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

4. FIRST AID MEASURES

General information: No special measures required.
After inhalation: Supply fresh air; consult doctors 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.
After swallowing: If symptoms persist consult doctor.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: CO₂, powder or water sprays, Fight larger fire water spray or alcohol resistant foam.
Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:	Not required.
Measure for environmental protection:	No special measures required.
Measure 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:

Information 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.

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:

56-81-5 glycerol

WEL Long-term value: 10 mg/m³

Additional information: The lists valid during the making were used as basis.

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 glove material on consideration of the penetration time, rate of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material. As the product is a preparation of several substance, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The break through time of the protective gloves has to be observed.

Eye protection: Goggles recommended during refilling.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Form:	Paste
Colour:	According to product specification
Odour:	Characteristic
Change in condition:	
Melting point/ Melting range:	Not determined.

SAFETY DATA SHEET

Boiling point/ Boiling range:	Not determined
Flash point:	Not applicable
Self-igniting:	Product is not self igniting
Danger of explosion:	Product does not present an explosion hazard.
Density at 20°C:	Not determined
Solubility in/Miscibility with water:	Insoluble.
pH-value at 20°C:	Not determined
Solvent content	
Organic solvents:	≤30.0%
Solids content:	≤80.0%

10. STABILITY AND REACTIVITY

Thermal decomposition/ conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGY INFORMATION

Acute toxicity:

Primary irritant effects:

On the skin: no irritant effects.

On the eyes: no irritant effects.

Sensitization: No sensitizing effects known.

Addition toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guideline for Preparations as issued in the latest version.

12. ECOLOGICAL INFORMATION

General notes: Generally, not hazardous for water.

13. DISPOSAL CONSIDERATIONS

Product:

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation: Disposal must be according to official regulations.

14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border):

ADR/RID Class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

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:**16. FURTHER INFORMATION****• Relevant H-phrases**

- 302 Harmful if swallowed.
- 314 Causes severe skin burns and eye damage.
- 410 Very toxic to aquatic life with long lasting effects.

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, Bio accumulative and Toxic

vPvB: very Persistent and very Bio accumulative

Sources:

ECHA: (<http://echa.europa.eu/>)

EnviChem: (www.echemportal.org)

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.