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* 1 Identification of the substance/ preparation and of the company/ undertaking
<p>Product identifier</p> <ul style="list-style-type: none"> • Trade name: <i>Creapearl 1, Creapearl 2 und Creopal</i> • CAS-No: 65997-17-3 • EG-No: 266-046-0 • Relevant identified uses of the substances or mixture and used advised against: No further relevant information available • Application of the substance / the mixture: Acrylic teeth for dental technology • Manufacturer/ Supplier: KLEMA Dentalprodukte GmbH Koblacherstraße 3a, A-6812 Meiningen Tel. +43 5522 36837 Fax +43 5522 36837-44 E-Mail: office@klema.at • Further information obtainable from: Technical Operations <p>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</p>
* 2 Hazards identification
<p>Classification of the substance or mixture</p> <ul style="list-style-type: none"> • Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation. <p>Label elements</p> <ul style="list-style-type: none"> • Labelling according to Regulation (EC) No 1272/2008: Void • Hazard pictograms: Void • Signal word: Void • Hazard statements: Void <p>Other hazards</p> <ul style="list-style-type: none"> • Results of PBT and vPvB: assessment • PBT: Not applicable. • vPvB: Not applicable.
3 Composition/ information on ingredients
<p>Chemical characterization: Substances</p> <ul style="list-style-type: none"> • Description Acrylic teeth based of Polymethylmethacrylate • Dangerous components: None • Additional informations: None
4 First aid measures
<p>Descriton of first aid measures</p> <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 <p>Most important symptoms and effects, both acute and delayed: No further relevant information available.</p> <p>Indication of any immediate medical attention and special treatment needed: No further relevant information available.</p>
* 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.
- **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**

- Person-related safety precautions:** Remove persons from danger area
- Environmental precautions:** Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to penetrate the ground/soil. In case of seepage into the ground inform responsible authorities.
- Methods and material for containment and cleaning up:** Pick up mechanically. 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.

7 Handling and storage

- Precaution for safe handling:** This product should only be handled by adequately trained personal. For dental or dental technology use only
- **Information about fire- and explosion protection:** No special actions required
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special actions required
- **Information about storage in one common storage facility:** Not mandatory
- **Further information about storage conditions:** None.
- **Storage class**
- **VbF-class:** deleted
- 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:** Not required
- **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. Do not inhale dust/ smok/ mist. 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. 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**

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Appearance:	
Form:	Solid
Colour:	Tooth Colour
Odour:	Odourless
Change of condition	
Melting point/ Melting range	Undetermined
Boiling point/ Boiling range	Undetermined
Flash point	Not applicable
Flammability (solid, gaseous)	Undetermined
Ignition temperature	Undetermined
Decomposition temperature	Not determined
Self-igniting	Not determined
Danger of explosion	Product does not present an explosion hazard
Explosion limits	
Lower	Not determined
Upper	Not determined
Vapour pressure	Not applicable
Density	Not determined
Relative density	Not determined
Vapour density	Not applicable
Evaporative rate	Not applicable
Solubility in/ Miscibility with	
Water:	Insoluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity	100%
Dynamic	Not applicable
Kinematic	Not applicable
Organic solvents	0.0%
Other information	No further relevant information available

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability Stable with normal handling and storage

• **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

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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.

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- **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): extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

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: Dispose of the incinerator in an orderly landfill in compliance with local, official regulations

European waste catalogue	
20 01 39	PLASTIC

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be according to official regulations.

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 |

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

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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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