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

1.1 Product identifier
- Trade name: Alginoplast Cream Fast, Alginoplast Cream Normal

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: Kulzer GmbH
  Leipziger Straße 2, 63450 Hanau (Germany)  Tel.: +49 (0)800 4372522
- Informing department: E-Mail: msds@kulzer-dental.com

1.4 Emergency telephone number:
Emergency CONTACT (24-Hour-Number): +49 (0)6132-84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
  The product is classified and labelled according to the CLP regulation.
  - Hazard pictograms

  GHS07
  - Signal word Warning
  - Hazard statements
    H319 Causes serious eye irritation.
  - Precautionary statements
    P264 Wash thoroughly after handling.
    P280 Wear eye protection / face protection.
    P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards -
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
- Description:

  Dangerous components:
  - CAS: 16919-27-0  dipotassium hexafluorotitanate
    EINECS: 240-969-9  Eye Dam. 1, H318; Acute Tox. 4, H302; STOT SE 3, H335  0-5%

- Additional information
  The hazards in Chapters 3 do not relate to the product itself, but to the ingredients of the product. For more details see chapter 11.
Trade name: **Alginoplast Cream Fast, Alginoplast Cream Normal**

For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
  - **After inhalation** Supply fresh air; consult doctor in case of symptoms.
  - **After skin contact** If skin irritation continues, consult a doctor.
  - **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
  - **After swallowing** Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

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

- **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
    - CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

- **5.2 Special hazards arising from the substance or mixture**
  Formation of toxic gases is possible during heating or in case of fire.

- **5.3 Advice for firefighters**
  - Protective equipment: No special measures required.
  - Additional information -

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.

- **6.2 Environmental precautions**
  No special measures required.

- **6.3 Methods and material for containment and cleaning up**
  Send for recovery or disposal in suitable containers.

- **6.4 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 information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  Wear protective equipment. Keep unprotected persons away. Ensure good ventilation/exhaustion at the workplace.

- **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** None.

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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 item 7.

8.1 Control parameters

- Components with critical values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>8002-74-2 Paraffin waxes and Hydrocarbon waxes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL</td>
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<td></td>
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</tbody>
</table>

- Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

- Personal protective equipment

- General protective and hygienic measures
  Instantly remove any soiled and impregnated garments.
  Wash hands during breaks and at the end of the work.

- Breathing equipment: Not required.

- Protection of hands:
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  If skin contact cannot be avoided, protective gloves are recommended to avoid possible sensitization.
  Check protective gloves prior to each use for their proper condition.
  Recommended

  - 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

  - For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
    Butyl rubber, BR
    Nitrile rubber, NBR

- Eye protection: Safety glasses

- 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: Pasty
    - Colour: Different according to colour
    - Smell: Sweetish
    - Odour threshold: Not determined.

  - pH-value: Not determined.
Trade name: Alginoplast Cream Fast, Alginoplast Cream Normal

- Change in condition
  - Melting point/freezing point: Not determined
  - Initial boiling point and boiling range: Not determined

- Flash point: Not applicable

- Inflammability (solid, gaseous): Not applicable.

- Ignition temperature:

- Decomposition temperature: Not determined.

- Self-inflammability: Product is not selfigniting.

- Explosive properties: Product is not explosive.

- Critical values for explosion:
  - Lower: Not determined.
  - Upper: Not determined.

- Steam pressure: Not determined.

- Density
  - Relative density: Not determined.

- Vapour density: Not determined.

- Evaporation rate: Not determined.

- Solubility in / Miscibility with
  - Water: Not miscible or difficult to mix

- Partition coefficient: n-octanol/water: Not determined.

- Viscosity:
  - Dynamic: Not determined.

- Kinematic: Not determined.

- Solvent content:

- Solids content: 21.6 %

- 9.2 Other information
  - No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity
  - No further relevant information available.

- 10.2 Chemical stability
  - Conditions to be avoided: No decomposition if used and stored 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
  - None

- Additional information: -

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity
    - Based on available data, the classification criteria are not met.
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: Alginoplast Cream Fast, Alginoplast Cream Normal

(Contd. of page 4)

| · LD/LC50 values that are relevant for classification: |
| 7631-86-9 silicon dioxide, chemically prepared |
| Oral | LD$_{50}$ > 5000 mg/kg (rat) |
| Dermal | LD$_{50}$ > 5000 mg/kg (rabbit) |
| 16919-27-0 dipotassium hexafluorotitanate |
| Oral | LD$_{50}$ 324 mg/kg (rat) |

- Primary irritant effect:
  - Skin corrosion/irritation Based on available data, the classification criteria are not met.
  - Serious eye damage/irritation Causes serious eye irritation.
  - Respiratory or skin sensitisation Guinea-Pig Maximisation Test (OECD 406): negative

- Additional toxicological information:
  - The product contains no relevant dust particles (particle size > 100 micrometer) because the surface of the kieselguhr is coated with paraffin wax.
  - 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.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 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
    Small quantities can be polymerized with the matching system component(s) and the cured solid material can be disposed of with the regular garbage.
    Disposal must be made according to official regulations.
  - Uncleaned packagings:
    - Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA Void

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14.2 UN proper shipping name
- ADR, ADN, IMDG, IATA  
  Void

14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA
  - Class  
    Void

14.4 Packing group
- ADR, IMDG, IATA  
  Void

14.5 Environmental hazards:
- Marine pollutant:  
  No

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.

UN "Model Regulation":  
- Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU  
  Named dangerous substances - ANNEX I  
  None of the ingredients is listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII  
  Conditions of restriction: 3

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

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity – Category 4
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3