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

1.1 Product identifier
- Trade name: Alginoplast

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.
  Skin Sens. 1 H317 May cause an allergic skin reaction.
  STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

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 GHS08

  - Signal word Warning
  - Hazard-determining components of labelling:
    Kieselguhr, soda ash flux-calcinated
dipotassium hexafluorotitanate
  - Hazard statements
    H319 Causes serious eye irritation.
    H317 May cause an allergic skin reaction.
    H373 May cause damage to organs through prolonged or repeated exposure.
  - Precautionary statements
    P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/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.
P321 Specific treatment (see on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

2.3 Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

- Description: -

- Dangerous components:

<table>
<thead>
<tr>
<th>CAS:</th>
<th>EINECS:</th>
<th>Description</th>
<th>STOT RE 2, H373</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>68855-54-9</td>
<td>272-489-0</td>
<td>Kieselguhr, soda ash flux-calcined</td>
<td></td>
<td>50-75%</td>
</tr>
<tr>
<td>16919-27-0</td>
<td>240-969-9</td>
<td>dipotassium hexafluorotitanate</td>
<td>Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1, H317; STOT SE 3, H335</td>
<td>0-5%</td>
</tr>
</tbody>
</table>

- 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. 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
  Instantly wash with water and soap and rinse thoroughly.
  If skin irritation continues, consult a doctor.
- After eye contact
  Rinse opened eye for several minutes under running water. Then 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

No further relevant information available.

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: Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up:

Send for recovery or disposal in suitable containers.
SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Wear protective equipment. Keep unprotected persons away.

- 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.

- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
  - Components with critical values that require monitoring at the workplace:
    14807-96-6 Talc (Mg₃H₂(SiO₃)₄)
      WEL Long-term value: 1 mg/m³
    8002-74-2 Paraffin waxes and Hydrocarbon waxes
      WEL Short-term value: 6 mg/m³
      Long-term value: 2 mg/m³
    1309-48-4 magnesium oxide
      WEL Long-term value: 10⁻⁴⁺⁺⁺⁺ mg/m³
      (as Mg) "inhalable dust" **fume and respirable dust

- 8.2 Exposure controls
  - Personal protective equipment
    - General protective and hygienic measures
      Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work.
    - Breathing equipment: Use breathing protection against the effects of fumes/dust/aerosol.
    - 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.
### SECTION 9: Physical and chemical properties

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

- **General Information**
  - **Appearance:**
  - **Form:** Solid.
  - **Colour:** According to product specification
  - **Smell:** Aromatic
  - **Odour threshold:** Not determined.
  - **pH-value:** Not applicable.

- **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 determined.

- **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 applicable.

- **Density**
  - **Settled apparent density:** 250-500 kg/m³
  - **Relative density:** Not determined.
  - **Vapour density:** Not applicable.
  - **Evaporation rate:** Not applicable.

- **Solubility in / Miscibility with**
  - **Water:** Insoluble

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

- **Viscosity:**
  - **dynamic:** Not applicable.
  - **kinematic:** Not applicable.
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

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity Based on available data, the classification criteria are not met.
  - LD/LC50 values that are relevant for classification:
    - 16919-27-0 dipotassium hexafluorotitanate
      - Oral LD50 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
    - May cause an allergic skin reaction.
  - 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 (carcinogenity, 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 May cause damage to organs through prolonged or repeated exposure.
    - 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

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

- 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA: 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.

- Transport/Additional information: -

- 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.

- 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.
  - H317 May cause an allergic skin reaction.
  - H318 Causes serious eye damage.
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
- Skin Sens. 1: Skin sensitisation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

* Data compared to the previous version altered.