

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

- 1.1 Identification of the substance or preparation:**
Commercial product name: Silaform® 85 K
- 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:** Product for dental technology
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
Street / mailbox: Im Klei 26
Country code. / postal code / city: DE - 38644 Goslar
Phone: Tel.: +49 (0) 53 21 / 37 79 – 0
Fax: Fax: +49 (0) 53 21 / 38 96 32
E-mail / Website: info@siladent.de - www.siladent.de
Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH
- 1.4 Emergency telephone number**
SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.
- 2.2 Label elements**
Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms** Void
- Signal word** Void
- Hazard statements** Void
- 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:** Mixture of substances listed below with non-hazardous additions.
- Dangerous components:** Void.
- Additional information:** For the wording of the listed risk phrases refer to section 16.

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 complaints.

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| 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. |
| 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

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| 5.1 Extinguishing media Suitable extinguishing agents: | Use fire extinguishing methods suitable to surrounding conditions. |
| 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. |

SECTION 6: Accidental release measures

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| 6.1 Personal precautions, protective equipment and emergency procedures | Not required. |
| 6.2 Environmental precautions: | Do not allow to enter sewers/ surface or ground water. |
| 6.3 Methods and material for containment and cleaning up: | Absorb with liquid-binding material (sand, acid binders, universal binders, sawdust). |
| 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 disposal information. |

SECTION 7: Handling and storage

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| 7.1 Precautions for safe handling | No special measures required. |
| Information about fire - and explosion protection: | No special measures required. |
| 7.2 Conditions for safe storage, including any incompatibilities - 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. |
| 7.3 Specific end use(s): | No further relevant information available. |

SECTION 8: Exposure controls/personal protection

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| 8.1 Control parameters | |
| Additional information about design of technical facilities: | No further data; see item 7. |
| Ingredients with limit values that require monitoring at the workplace: | The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. |
| Additional information: | The lists valid during the making were used as basis. |
| 8.2 Exposure controls | |
| 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 the glove material on consideration of the penetration times, rates of diffusion and the degradation. |
| 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 cannot 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: | Goggles recommended during refilling. |

SECTION 9: Physical and chemical properties

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| 9.1 Information on basic physical and chemical properties | |
| Appearance: | |
| Form: | Pasty |
| Colour: | Light grey |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| pH-value: | Not determined. |
| Change in condition | |
| Melting point/freezing point: | Undetermined. |
| Initial boiling point and boiling range: | Undetermined. |
| Flash point: | 151 °C |
| Flammability (solid, gas): | Not applicable. |
| Ignition temperature: | Not determined. |
| Decomposition temperature: | Not determined. |
| Auto-ignition temperature: | Product is not self-igniting. |
| Explosive properties: | Product does not present an explosion hazard. |
| Explosion limits: | |
| Lower: | Not determined. |

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| Upper: | Not determined. |
| Vapour pressure: | Not determined. |
| Density: | Not determined. |
| 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: | |
| VOC (EC) | 0.00 % |
| Solids content: | 83.2 % |

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

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| 10.1 Reactivity: | No further relevant information available. |
| 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

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| 11.1 Information on toxicological effects | |
| Acute toxicity: | Based on available data, the classification criteria are not met. |

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| LD/LC50 values relevant for classification: | | |
| Natriumaluminosilikat | | |
| Oral | LD50 | >2,000 mg/kg (rat) |

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.

Additional toxicological information:**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. |

SECTION 12: Ecological information

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| 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. |
| Additional ecological information: | |
| General notes: | Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course 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

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| 13.1 Waste treatment methods | |
| Recommendation: | Smaller quantities can be disposed of with household waste. |
| Uncleaned packaging | |
| Recommendation: | Disposal must be made according to official regulations. |

SECTION 14: Transport information

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

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| 14.5 Environmental hazards: | Not applicable. |
| 14.6 Special precautions for user: | Not applicable. |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 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.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II: None of the ingredients is listed.

REGULATION (EU) 2019/1148: Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)): None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS: None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors: None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: None of the ingredients is listed.

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

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

- ADR: Accord relatif au transport international 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)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative

EG-MATERIAL SAFETY DATA SHEET



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Sources

The data for the hazardous ingredients were taken respectively from the last version of Safety Data Sheets of suppliers.

* Data compared to the previous version altered.