

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

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- 1.1 Identification of the substance or preparation:**  
 Commercial product name: Silaform®
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
 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](mailto:info@siladent.de) - [www.siladent.de](http://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:** This substance/mixture does not contain components classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- PBT:** Not applicable.  
**vPvB:** Not applicable.
- Determination of endocrine-disrupting properties:**  
 Endocrine disrupting properties - human health: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.
- Endocrine disrupting properties - Environment: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

**SECTION 3: Composition/information on ingredients**
**3.2 Mixtures**

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<b>Description:</b>	Mixture of substances listed below with non-hazardous additions.
<b>Dangerous components:</b>	Void.
<b>Additional information:</b>	For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

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<b>4.1 Description of first aid measures</b>	
<b>General information:</b>	No special measures required.
<b>After inhalation:</b>	Supply fresh air; consult doctor in case of complaints.
<b>After skin contact:</b>	Generally the product does not irritate the skin.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water.
<b>After swallowing:</b>	If symptoms persist consult doctor.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	No further relevant information available.
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b>	No further relevant information available.

## SECTION 5: Firefighting measures

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<b>5.1 Extinguishing media</b>	
<b>Suitable extinguishing agents:</b>	Use fire extinguishing methods suitable to surrounding conditions.
<b>5.2 Special hazards arising from the substance or mixture:</b>	No further relevant information available.
<b>5.3 Advice for firefighters</b>	
<b>Protective equipment:</b>	No special measures required.

## SECTION 6: Accidental release measures

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<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Not required.
<b>6.2 Environmental precautions:</b>	Do not allow to enter sewers/ surface or ground water.
<b>6.3 Methods and material for containment and cleaning up:</b>	Absorb with liquid-binding material (sand, acid binders, universal binders, sawdust).
<b>6.4 Reference to other sections:</b>	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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<b>7.1 Precautions for safe handling:</b>	No special measures required.
<b>Information about fire - and explosion protection:</b>	No special measures required.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>- Storage:</b>	



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<b>Boiling point or initial boiling point and boiling range:</b>	Undetermined.
<b>Flammability:</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	151 °C
<b>Ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>pH:</b>	Not determined.
<b>Viscosity</b>	
<b>Kinematic viscosity:</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility:</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value):</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined.
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.

## 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety</b>	
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Solvent content:</b>	
<b>VOC (EC):</b>	0.00 %
<b>Solids content:</b>	83.2 %
<b>Change in condition</b>	
<b>Evaporation rate:</b>	Not determined.
<b>Information with regard to physical hazard classes</b>	
<b>Explosives:</b>	Void
<b>Flammable gases:</b>	Void
<b>Aerosols:</b>	Void
<b>Oxidising gases:</b>	Void
<b>Gases under pressure:</b>	Void
<b>Flammable liquids:</b>	Void
<b>Flammable solids:</b>	Void
<b>Self-reactive substances and mixtures:</b>	Void
<b>Pyrophoric liquids:</b>	Void
<b>Pyrophoric solids:</b>	Void
<b>Self-heating substances and mixtures:</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water:</b>	Void
<b>Oxidising liquids:</b>	Void
<b>Oxidising solids:</b>	Void
<b>Organic peroxides:</b>	Void
<b>Corrosive to metals:</b>	Void
<b>Desensitised explosives</b>	Void

## :SECTION 10: Stability and reactivity

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** \*

**11.1 Information on toxicological effects**

**Acute toxicity:** Based on available data, the classification criteria are not met.

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

**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.

**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.

**11.2 Information on other hazards**

**Endocrine disrupting properties:** Endocrine disrupting properties - human health: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

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None of the ingredients is listed.

## SECTION 12: Ecological information

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<b>12.1 Toxicity</b>	
<b>Aquatic toxicity:</b>	No further relevant information available.
<b>12.2 Persistence and degradability:</b>	No further relevant information available.
<b>12.3 Bioaccumulative potential:</b>	No further relevant information available.
<b>12.4 Mobility in soil</b>	No further relevant information available.
<b>12.5 Results of PBT and vPvB assessment:</b>	Endocrine disrupting properties - Environment: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more. <b>PBT:</b> Not applicable. <b>vPvB:</b> Not applicable.
<b>12.6 Endocrine disrupting properties:</b>	Endocrine disrupting properties - Environment: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.
<b>12.7 Other adverse effects:</b>	
<b>Additional ecological information:</b>	
<b>General notes:</b>	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.

## SECTION 13: Disposal considerations

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

## SECTION 14: Transport information

<b>14.1 UN-Number</b>	
<b>ADR, ADN, IMDG, IATA:</b>	Void
<b>14.2 UN proper shipping name</b>	
<b>ADR, ADN, IMDG, IATA:</b>	Void
<b>14.3 Transport hazard class(es)</b>	
<b>ADR, ADN, IMDG, IATA</b>	
<b>Class:</b>	Void
<b>14.4 Packing group</b>	
<b>ADR, IMDG, IATA:</b>	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.

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### 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

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vPvB: very Persistent and very Bioaccumulative

## 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.