

**Silapolish paste**

**1. Identification of the Substance / Preparation and Company:**

Identification of the substance or preparation:

Commercial product name: Silapolish paste  
Application of the substance: Dental polish paste  
Company / Manufacturer:

SILADENT Dr. Böhme & Schöps GmbH  
Im Klei 26  
DE - 38644 Goslar  
0 53 21 / 37 79 – 0  
0 53 21 / 38 96 32  
info@sbs-dental.de / www.sbs-dental.de  
SILADENT Dr. Böhme & Schöps GmbH

**2. Composition/information on ingredients:**

2.1 Mixture

General name:

Chemical name:

Aluminium oxide

Classification: -  
DSD:  
CLP: -

%  
>= 50

Cas-No./ EC-No.  
1344-28-1  
215-691-6

REACH Registration  
No.  
-

Index  
No.  
-

Notes  
#

Silica

Classification: T; R48/23  
DSD:  
CLP: STOT RE  
1;H372

%  
>= 10

7631-86-9  
231-545-4

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC

#: This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Composition comments: The full text for all R- and H-phrases is displayed in section 16.

**3. Hazards identification:**

**Classification of the substance or mixture**

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**3.1 Classification according to Directive 67/548/EEC or 1999/45/EC as amended.**

Classification: T;R48/23

The full text for all R-phrases is displayed in section 16.

**3.2 Classification according to Regulation (EC) No 1272/2008 as amended.**

Health hazards:

Specific target organ toxicity – Category 1  
repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Physical hazards:

Not classified for physical hazards.

Health hazards:

Toxic: danger of serious damage to health by prolonged exposure through inhalation.

Occupational exposure to the substance or mixture may cause adverse health effects.

Environmental hazards:

Not classified for hazards to the environment.

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1999/45/EC &amp; 1272/2008

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Specific hazards: Not available.  
Main symptoms: Not available.

- 3.3 Label elements:  
Label according to Regulation (EC) No. 1272/2008 as amended.  
Contains: Silica



Signal word: Danger  
Hazard statements: Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:  
Prevention:

Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Response: Get medical advice/attention if you feel unwell.

Storage: Keep only in original container.

Disposal: Dispose of contents/container to Dispose of contents/container in accordance with local /regional / national / international regulations.

#### 4. First aid measures:

##### Description of first aid measures

- 4.1 After inhalation: Move to fresh air. Call a physician if symptoms develop or persist.  
4.2 After skin contact: Rinse skin with water/shower. Get medical attention if irritation develops and persists.  
4.3 After eye contact: Rinse with water. Get medical attention if irritation develops and persists.  
4.4 After ingestion: Rinse mouth. If ingestion of a large amount does occur, call a poison control centre immediately.  
4.5 **Information for doctor:**  
Most important symptoms and effects, both acute and delayed: Not available  
Indication of any immediate medical attention and special treatment needed: Not available.

#### 5. Firefighting measures:

- 5.1 Extinguishing media  
Suitable extinguishing agents: Water spray, foam, dry powder or carbon dioxide.  
For safety reasons unsuitable extinguishing agents: Do not use water jet.  
5.2 Advice for firefighters:  
Special protective equipment: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.  
Special firefighting Procedures: Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

#### 6. Accidental release measures:

- 6.1 Personal precautions, protective equipment and emergency procedures  
For non-emergency Personnel: Keep unnecessary personnel away. Ensure adequate ventilation.  
For emergency responders: Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS.  
6.2 Environmental precautions: Avoid release to the environment.  
6.3 Methods and material for containment: Shovel into dry containers. Cover and move the containers. Flush

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and cleaning up: the area with water.

6.4 Reference to other sections: For waste disposal, see section 13. See Section 8 for personal protective equipment.

#### 7. Handling and storage:

- 7.1 Precautions for safe handling: Keep formation of airborne dusts to a minimum. If enclosed handling cannot be guaranteed, ventilation and protective clothing must be used. Use care in handling/storage.
- 7.2 Conditions for safe storage, including any incompatibilities: Store in original tightly closed container. Store in accordance with Local / regional / national / International regulations.

#### 8. Exposure controls/personal protection:

8.1 Control parameters

Occupational exposure limits:

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Aluminium oxide (1344-28-1)	AGW	3mg/m <sup>3</sup>	Respirable dust.
		10 mg/m <sup>3</sup>	Inhalable dust.
Silica (7631-86-9)	AGW	4 mg/m <sup>3</sup>	Inhalable fraction.

- 8.2 Biological limit values  
Recommended monitoring procedures:  
DNEL:  
PNEC:  
Exposure controls:  
Appropriate engineering controls:
- No biological exposure limits noted for the ingredient(s).  
Follow standard monitoring procedures.  
Not available.  
Not available.  
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
- 8.3 Individual protection measures, such as personal protective equipment  
General information:  
Eye/face protection:  
Skin protection:  
Hand protection:  
Other:
- Not available.  
Wear safety glasses with side shields (or goggles).  
Use protective gloves made of: Butyl rubber.  
Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
- 8.4 Respiratory protection:  
Thermal hazards:  
Hygiene measures:  
Environmental exposure controls:
- In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).  
Not available.  
Do not eat, drink or smoke when using the product. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.  
Not available.

9. Physical and chemical properties: Information on basic physical and chemical properties.  
General Information:

- 9.1 Physical state:  
Form:  
Colour:  
Odour:  
Odour threshold:
- Paste.  
Pink.  
Characteristic.  
Not available.
- 9.2 Melting point/freezing point:  
Boiling point/initial Boiling point and
- > 40 °C (> 104 °F)  
> 100 °C (> 212 °F)

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boiling range:	
Flash point:	> 65 °C (> 149 °F)
Auto-ignition temperature:	Not applicable.
Flammability (solid, gas):	Not available.
Flammability limit – lower (%):	Not available.
Flammability limit – upper (%):	Not available.
Oxidising properties:	Not applicable.
Explosive properties:	Not applicable.
Explosive limit:	Not applicable.
Vapour pressure:	Not applicable.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Relative density:	Not available.
Density:	1.3 g/cm <sup>3</sup>
Solubility (water):	insoluble
Partition coefficient (n-octanol/water):	Not available.
Decomposition temperature:	Not available.
Viscosity:	> 7 mm <sup>2</sup> /s at 40 °C
Percent volatile:	Not available.
Other information:	No relevant additional information available.

**10. Stability and reactivity:**

Chemical stability:	Material is stable under normal conditions.
Conditions to avoid:	None under normal conditions.
Incompatible materials:	Not available.
Hazardous decomposition products:	No dangerous reaction known under conditions of normal use.

**11. Toxicological information:**

11.1 Information on likely routes of exposure.

Ingestion:	Not available.
Inhalation:	Avoid prolonged exposure.
Skin contact:	Not available.
Eye contact:	Not available.
Symptoms:	Not available.

11.2 Information on toxicological effects.

Components:	Test results:
Aluminium oxide (1344-28-1)	Acute Dermal LD50 >= 5000 mg/kg Acute Inhalation LD50 >= 1000 mg/kg 4 hours Acute Oral LD50 >= 5000 mg/kg
Silica (7631-86-9)	Acute Oral LD50 Mouse: > 15000 mg/kg Acute Oral LD50 Rat: > 22500 mg/kg
Serious eye damage/eye irritation:	Not available.
Respiratory sensitisation:	Not available.
Carcinogenicity:	Not available.
Reproductive toxicity:	Not available.
Specific target organ toxicity - single exposure:	Not available.
Specific target organ toxicity - repeated exposure:	Respiratory system.
Aspiration hazard:	Not available.
Mixture versus substance Information:	Not available.
Other information:	Not available.

**12. Ecological information:**

Ecotoxicity:	Not relevant.
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Toxicity:	
Components:	Test results:
Aluminium oxide (1344-28-1)	NOEC Algae: >= 100 mg/l 72 hours NOEC Daphnia: >= 100 mg/l 48 hours NOEC Trout family (Salmonidae): >= 100 mg/l 96 hours
Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Environmental fate - Partition coefficient:	Not available.
Mobility in soil:	Not available.
Results of PBT and vPvB assessment:	Not relevant.
Other adverse effects:	Not available.

**13. Disposal considerations:**

Waste treatment methods:	
Residual waste:	Dispose of in accordance with local regulations.
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code:	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents / container in accordance with local / regional / national / international regulations.

**14. Transport information:**

ADR:	Not regulated as dangerous goods.
IATA:	Not regulated as dangerous goods.
IMDG:	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	No information available.

**15. Regulatory information:**

Safety, health and environmental regulations / legislation specific for the substance or mixture.

15.1 EU regulations:	
Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I	Not listed.
Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II	Not listed.
Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I	Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1	Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2	Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3	Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V	Not listed.
Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)	Not listed.
Regulation (EC) No. 1907/2006, Article 59(1). Candidate List	Not listed.

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- 15.2 Other regulations: The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
- 15.3 National regulations: Young people under 18 years old are not allow to work with this product according to the EU Directive 94/33/EC on the protection of young people at work.
- 15.4 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

### 16. Other information

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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.

List of abbreviations: Not available.

References: Not available.

Information on evaluation method leading to the classification of mixture: Not available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15:

R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

H372 - Causes damage to organs through prolonged or repeated exposure.

Revision information: Not available.

Training information: Not available.