

According to 1907/2006/EC, Article 31

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Silaform® Gingiva Sep**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product Identifier**

Commercial product name: Silaform® Gingiva Sep

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Use of the preparation: Separating agent

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: D - 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

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:**

| | |
|-------------------------|--|
| Flam. Gas. 1, H220 | Extremely flammable gas |
| Press. Gas, H280 | Contains gas under pressure; may explode if heated |
| Repr. 2; H361f; | Suspected of damaging fertility or the unborn child |
| STOT RE 2; H373 | May cause damage to organs through prolonged or repeated exposure. |
| Asp. 1; H304 | May be fatal if swallowed and enter airways |
| Skin Irrit. 2, H315 | Causes skin irritation |
| STOT SE 3; H336 | May cause drowsiness or dizziness |
| Aquatic Chronic 2, H411 | Toxic to aquatic life with long lasting effects |

Information concerning particular hazards for human and environment:

The product has to be labelled due to calculation procedure for the "General Classification guideline for preparations of the EU" in the latest version.

2.2 Label elements**Labelling according to Regulation (EC) 1272/2008:****Hazard pictograms:****Signal word:**

Danger

Hazard statements

| | |
|------|--|
| H220 | Extremely flammable gas |
| H280 | Contains gas under pressure; may explode if heated |
| H361 | Suspected of damaging fertility or the unborn child |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H304 | May be fatal if swallowed and enter airways |
| H315 | Causes skin irritation |
| H336 | May cause drowsiness or dizziness |
| H411 | Toxic to aquatic life with long lasting effects |

Precautionary statements

| | |
|-------------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. – No smoking. |
| P301 + P310 | IF SWALLOWED: immediately call a POISON CENTER or doctor/physician |

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| | |
|-------------|---|
| P331 | Do NOT induce vomiting |
| P410 + P403 | Protect from sunlight and store in a well-ventilated place. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray |
| P281 | Use personal protective equipment as required |
| P271 | Use only outdoors or in well ventilated areas |

Reduced labelling (≤ 125 ml)**Hazard****pictograms****Signal word**

Danger

Hazard statements

| | |
|------|---|
| H220 | Extremely flammable gas |
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Precautionary statements

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| P210 | Keep away from heat/sparks/open flames/hot surfaces. – No smoking. |
| P410 + P403 | Protect from sunlight and store in a well-ventilated place. |
| P301 + P310 | IF SWALLOWED: immediately call a POISON CENTER or doctor/physician |
| P331 | Do NOT induce vomiting |

2.3 Other hazards**Results of PBT and vPvB assessment**

| | |
|-------|----------------|
| PBT: | not applicable |
| vPvB: | not applicable |

SECTION 3: Composition/information on ingredients

| | |
|---------------------------------------|--|
| 3.1 Chemical characterization: | Mixture |
| Description: | Solution of paraffines in isooctane and hexane |

Hazardous components:

| | | |
|--------------------------------|----------------|--|
| CAS 540-84-1, EG 208-759-1 | isooctane | GHS02, GHS07, GHS08, GHS09 H225, H315, H336, H304, H410 |
| CAS 110-54-3; EG 203-777-6 | n-hexane | GHS02, GHS07, GHS08, GHS09 H225, H361, H373, H315, H336, H304, H411 |
| CAS 75-28-5; EINECS 200-857-2 | isobutane | GHS02, H224 |
| CAS 74-98-6; EINECS 200-827-9 | propane | GHS02, H224 |
| CAS 106-97-8, EINECS 203-448-7 | butane | GHS02, H220, H280 |
| CAS 78-78-4, EINECS 201-142-8 | 2-methylbutane | GHS02, GHS08, GHS09, H224, H304, H411, H336 |

SECTION 4: First aid measures

| | |
|---------------------------------|---|
| 4.1 General information: | Seek medical advice, if symptoms occur, which can be caused by the product. |
| After skin contact: | Wash off with plenty of water and soap and rinse thoroughly. |
| After inhalation: | Fresh air. Consult a physician. |

Silaform® Gingiva Sep**After eye contact:**

Rinse opened eye for several minutes under running water and consult an ophthalmologist.

After swallowing:

Rinse out mouth and then drink plenty of water. Caution if victim vomits. Risk of aspiration! Keep airways free. Call a physician immediately.

SECTION 5: Firefighting measures**5.1 Extinguishing media:**

CO₂, powder, sand.
Vapours are heavier than air. Development of hazardous combustion gases and vapours possible in the event of fire.

5.2 Special hazards arising from the substance or mixture:

May form explosive gas-air mixtures.

5.3 Protective equipment:

Wear self-contained respiratory protective equipment.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms. Keep away from ignition sources.

6.2 Environmental precautions:

Do not allow to enter drains/surface water/ ground-water.

6.3 Methods for cleaning up:

Absorb with liquid binding material. Forward for disposal. Clean up affected area.

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**7.1 Handling:**

This product should only be supplied or handled to dentists or dental technicians or upon their instructions.

Precautions for safe handling:

Observe normal care for working with chemicals. Keep containers closed. Use only in well-ventilated areas. Do not inhale substance. Keep away from heat and direct sunlight.

Information about fire and explosion protection:

Keep away from heat and ignition sources, do not smoke. Do not spray on flames or red-hot objects. Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.

7.2 Storage:

Store at a cool and dry place. Store tightly closed. Storage temperature 15-25 °C (59-77 °F).

Requirements at storerooms and containers:

Store only in the original containers

Further information on storage conditions:

Store away from food stuffs.

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Heat will increase pressure and may lead to the container exploding. Protect from heat and direct sunlight.

7.3 Specific end uses:

No further relevant information available.

SECTION 8: Exposure controls/personal protection**8.1 Components with limits of values to be supervised at the workplace:**

| CAS-No. | name | art | value | unit |
|----------|----------------|----------------|------------------------|------------------------|
| 110-54-3 | n-hexane | AGW (TRGS 900) | 50 ml/m ³ | 180mg/m ³ |
| 75-28-5 | isobutane | AGW (TRGS 900) | 1000 ml/m ³ | 2400mg/m ³ |
| 74-98-6 | propane | AGW (TRGS 900) | 1000 ml/m ³ | 1800mg/m ³ |
| 106-97-8 | butane | AGW (TRGS 900) | 1000 ml/m ³ | 2400 mg/m ³ |
| 78-78-4 | 2-methylbutane | AGW (TRGS 900) | 1000 ml/m ³ | 3000 mg/m ³ |

8.2 Additional information:
Personal protective equipment:
General protective and hygienic measures:

The lists valid during the making were used as basis

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs and beverages. Do not inhale gases/fumes/aerosols.

Hand protection

Protective gloves. Due to missing tests no recommendation to the glove material can be given for the product.

Eye protection:

safety glasses

Respiratory protection:

Required, when vapours/aerosols are generated.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties****Appearance****Form:**

liquid

Colour:

colourless

Odour:

characteristic

Value Unit Method**Safety relevant basic data****Melting point/melting range:**

n.a

Boiling point/boiling range:

n.d. (aerosol)

Flash point:

ca. -80 °C

Ignition temperature:

Product is not self-igniting

Danger of explosion:

Product is not explosive. However, formation of explosive air/vapour mixtures is possible

Critical values for exposure:

lower: 1,5 Vol%, upper 10,9 Vol%

Density:0.60 (20 °C) g/cm³**Vapour pressure:**

n.a.

pH:

neutral

Solubility in/miscibility with:

miscible with most organic solvents; alcohols

Water:

insoluble

Content of solvents:**Organic solvents:**

n-hexane

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Silaform® Gingiva Sep**SECTION 10: Stability and reactivity****10.4 Thermal decomposition / conditions to be avoided****Possibility of hazardous reactions:** no information available**Conditions to avoid:** Protect from heat and direct sunlight. Forms explosive gas mixture with air. Danger of containers bursting at temperatures >55°C because of high vapour pressure.**10.6 Hazardous decomposition products:** No information available.**SECTION 10: Stability and reactivity****11.1 Acute toxicity: (n-hexane)**

n-hexane: LD50 (oral, rat): 16000 mg/kg
 n-hexane: LC50 (inhalativ, rat): 172 mg/l; 4h; Dampf
 2-methylbutane: LC50 (inhalativ, rat): 62,19 mg/l; 4h;
 butane: LC50 (inhalativ, rat): 658 mg/l; 4h;

Primary irritation:

skin: Irritating for skin and mucous membrane.
 eye: Slight irritations possible.
 Sensitization: No sensitising effect known.

11.2 Additional toxicological information: If handled in accordance with good industrial hygiene and safety practice and according to specifications no health diseases are reported.**SECTION 12: Ecological information****12.1 General information:** Do not allow to enter drains/canalisation/ground-water**Classification of water endangerment:** The product contains materials that are harmful for the environment. Toxic for aquatic organisms. WGK=2 (polluting substance).**SECTION 13: Disposal considerations****13.1 Product:****Recommendation:** Disposal must be made according to official regulations**13.2 Uncleaned packaging:**

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Recommendation: Disposal must be made according to official regulations**SECTION 14: Transport information****Land transport ADR/RID and GGVS/GGVE (Germany):** UN 1950
AEROSOLS, flammable, 2.1**Sea transport IMDG:** UN 1950
AEROSOLS, flammable, 2.1**Air transport ICAO-TI and IATA-DGR:** UN 1950
AEROSOLS, flammable, 2.1

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

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Silaform® Gingiva Sep**SECTION 15: Regulatory information**

| | |
|--|---|
| 15.1 Classification according to EC-guidelines: | The product has to be labelled according to EC-regulations or the corresponding national regulations. |
| 15.2 Chemical safety assessment: | A Chemical Safety Assessment has not been carried out. |

SECTION 16: Other information

| | |
|--|--|
| Changes compared with the previous version: | Adaptation according to 1907/2006/EG, Article 31 |
|--|--|

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.