

According to 1907/2006/EC, Article 31

Date of issue: 17.08.2017

Version: 9

Silaform® Gingiva Sep**1. Identification of the substance / Preparation and Company:**

1.1 Product Identifier

Commercial product name: Silaform® Gingiva Sep – Separating agent for A-silicones

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

Use of the preparation:

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 Further information obtainable from:

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

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

H361f

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

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

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Signal word

Danger

Hazard statements

H220

Extremely flammable gas

H280

Contains gas under pressure; may explode if heated

H304

May be fatal if swallowed and enter airways

H361f

Suspected of damaging fertility or the unborn child

Precautionary statements

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

3. Composition/Information on Ingredients

3.1	Chemical characterization:	Mixture
	Description:	Solution of paraffines in hexane
	Hazardous components:	
	CAS 110-54-3; EINECS 203-777-6	n-hexane GHS02, GHS07, GHS08, GHS09 H225, H361f, H304, H373, H315, H3396, 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

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.
	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.

5. Firefighting measures

5.1	Extinguishing media:	CO ₂ , 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.

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.

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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

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 (60-80°F).
Requirements at storerooms and containers: Store only in the original containers
Further information on storage conditions: Store away from food stuffs.
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

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/m3	180mg/m3
75-28-5	isobutane	AGW (TRGS 900)	1000 ml/m3	2400mg/m3
74-98-6	propane	AGW (TRGS 900)	1000 ml/m3	1800mg/m3
106-97-8	butane	AGW (TRGS 900)	1000 ml/m3	2400 mg/m3
78-78-4	2-methylbutane	AGW (TRGS 900)	1000 ml/m3	3000 mg/m3

8.2 Additional information: The lists valid during the making were used as basis
Personal protective equipment:
General protective and hygienic measures: 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.

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.
Flash point: ca. -80 °C

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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/cm ³
Vapor pressure:	n.a.
pH:	neutral
Solubility in/miscibility with:	miscible with most organic solvents; alcohols
Water:	insoluble
Content of solvents:	
Organic solvents:	n-hexane

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.

11. Toxicological information**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): 1280 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 sensitizing 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.

12. Ecological information

12.1 General information:	Do not allow to enter drains/canalization/ground-water
Classification of water endangerment:	The product contains materials that are harmful for the environment. Toxic for aquatic organisms. WGK=2 (polluting substance).

13. Disposal considerations

13.1 Product:	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

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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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.

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.