

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.06.2014 Version number 1 Revision: 06.06.2014

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Premium Silikonspray 41-811
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Only for proper handling.
Lubricant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Silitech AG
Worbstrasse 173 CH-
3073 Gümligen
Tel. +41 (0)31 398 5070
Fax +41 (0)31 398 5080
- **Further information obtainable from:** info@silitech.ch
- **Emergency telephone number:**
Toxicological Information Centre, CH-8028 Zurich,
info@toxi.ch,
T. +41 (0) 44 251 51 51

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



F+; Extremely flammable

R12: Extremely flammable.

R52/53-67: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

• **Information concerning particular hazards for human and environment:** The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Warning! Pressurized container.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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• **Label elements**

• **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.

• **Hazard pictograms**



GHS02 GHS07

• **Signal word** *Danger*

• **Hazard-determining components of labelling:** Naphtha (petroleum), hydrotreated light

• **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

• **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Additional information:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

• **Other hazards**

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

3 Composition/information on ingredients

• **Chemical characterization: Mixtures**

• **Description:** Mixture of substances listed below with nonhazardous additions.

• **Dangerous components:**

CAS: 106-97-8	butane	50-70%
EINECS: 203-448-7	F+ R12	
	Flam. Gas 1, H220; Press. Gas, H280	

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CAS: 64742-49-0 EC number: 920-750-0	Naphtha (petroleum), hydrotreated light	10-25%
	Xn R65; F R11; N R51/53	
	R66-67	
CAS: 74-98-6 EINECS: 200-827-9	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	10-25%
	propane	
	F+ R12	
	Flam. Gas 1, H220; Press. Gas, H280	

• **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

• **Description of first aid measures**

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:** Immediately wash skin with soap and plenty of water.

• **After eye contact:**

Rinse opened eye for several minutes under running water.

Consult a physician if irritation develops.

• **After swallowing:** If symptoms persist consult doctor.

• **Information for doctor:**

• **Most important symptoms and effects, both acute and**

delayed No further relevant information available.

• **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures

• **Extinguishing media**

• **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.

• **For safety reasons unsuitable extinguishing agents:** Water with full jet

• **Special hazards arising from the substance or**

mixture No further relevant information available.

• **Advice for firefighters**

• **Protective equipment:** No special measures required.

6 Accidental release measures

• **Personal precautions, protective equipment and emergency**

procedures Wear protective equipment. Keep unprotected persons away.

• **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

• **Methods and material for containment and cleaning**

up: Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

• **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.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
Do not spray onto a naked flame or any incandescent material.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
Do not seal receptacle gas tight.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Storage class:** 2 B
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

Ingredients with limit values that require monitoring at the workplace:

106-97-8 butane

WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

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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 can not 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:



Tightly sealed goggles

9 Physical and chemical properties

<ul style="list-style-type: none"> • Information on basic physical and chemical properties • General Information • Appearance: <ul style="list-style-type: none"> Form: Liquefied gas Colour: Colourless • Odour: Solvent-like • Odour threshold: Not determined. 	
• pH-value:	Not determined.
<ul style="list-style-type: none"> • Change in condition <ul style="list-style-type: none"> Melting point/Melting range: Boiling point/Boiling range: 	Undetermined. Not applicable, as aerosol.
• Flash point:	< 0 °C
• Flammability (solid, gaseous):	Not applicable.
• Ignition temperature:	310 °C (DIN 51794)
• Decomposition temperature:	Not determined.
• Self-igniting:	Product is not selfigniting.
• Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<ul style="list-style-type: none"> • Explosion limits: Lower: Upper: 	0.9 Vol % 10.9 Vol %
• Vapour pressure at 20 °C:	8300 hPa
<ul style="list-style-type: none"> • Density at 20 °C: • Relative density • Vapour density 	0.621 g/cm ³ (ASTM D 4052) Not determined. Not determined.

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<ul style="list-style-type: none"> • Evaporation rate Not applicable.
<ul style="list-style-type: none"> • Solubility in / Miscibility with water: Not miscible or difficult to mix.
<ul style="list-style-type: none"> • Partition coefficient (n-octanol/water): Not determined.
<ul style="list-style-type: none"> • Viscosity: <ul style="list-style-type: none"> Dynamic: Not determined. Kinematic: < 1 mm²/s @ 40 °C (DIN 51562-1) • Other information No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

<ul style="list-style-type: none"> • LD/LC50 values relevant for classification: 		
64742-49-0 Naphtha (petroleum), hydrotreated light		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>5 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
 Water hazard class 1 (German Regulation) (Self-classification according VwVwS, 17.05.1999): slightly hazardous for water

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **Other adverse effects** No further relevant information available.

13 Disposal considerations

• **Waste treatment methods**

• **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

• **European waste catalogue**

16 05 04*	gases in pressure containers (including halons) containing dangerous substances
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• **Uncleaned packaging:**

• **Recommendation:**

Disposal must be made according to official regulations. Discharged containers can contain flammable or explosive vapours.

14 Transport information

• **UN-Number**

• **ADR, IMDG, IATA**

UN1950

• **UN proper shipping name**

• **ADR**

1950 AEROSOLS

• **IMDG**

AEROSOLS

• **IATA**

AEROSOLS, flammable

• **Transport hazard class(es)**

• **ADR**

• **Class**

2 5F Gases.

• **Label**

2.1

• **IMDG, IATA**

• **Class**

2.1

• **Label**

2.1

• **Packing group**

• **ADR, IMDG, IATA**

Void

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- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Gases.
- **Danger code (Kemler):** -
- **EMS Number:** F-D,S-U
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **ADR**
- **Limited quantities (LQ)** 1L
- **Transport category** 2
- **Tunnel restriction code** D
- **UN "Model Regulation":** UN1950, AEROSOLS, 2.1

15 Regulatory information

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

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.

•Relevant phrases

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

R11 Highly flammable.

R12 Extremely flammable.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

•Abbreviations and acronyms:

Flam. Gas 1: Flammable gases, Hazard Category 1
Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
Press. Gas: Gases under pressure: Compressed gas
Flam. Liq. 2: Flammable liquids, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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