

EU Safety Data Sheet

Silitech spray silicone 41-821 500 ml

Date of issue / Reference	15.03.2010	uh		
Replaces version of	08.01.2008	uh		
Date of printing	16.03.2010	Sheet No. 383	Version 1	Page 1 of 6
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Company Silitech AG/SA, Steigerhubelstrasse 3, CH-3000 Bern 5, Switzerland

1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **Silitech spray silicone 41-821 500 ml**
- 1.2 Application / Use Lubricant
- 1.3 Producer
- Supplier Silitech AG, Steigerhubelstrasse 3, CH-3000 Bern 5, Schweiz, T. +41 (0)31 398 5070, F. +41 (0)31 398 5080
- 1.4 TOX emergency number
- Public Toxicological Information Centre, CH-8028 Zurich, E-mail: info@toxi.ch, T. +41 (0)44 251 51 51
- 1.5 Product No.

2 Hazards identification

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Can is under pressure. Protect from direct sunlight and temperatures above 50°C (122°F). Do not pierce or burn can after use. Do not spray towards flame or incandescent object.

Keep away from sources of ignition - No smoking. Keep out of the reach of children.

3 Composition

3.1 Chemical characterization

Silicon oil (CAS# 063148-62-9)
Propane/butane (propellant)
Petrol fraction (aromatics <0,5%)

3.2 Hazardous components

- CAS No. 64742-49-0 10-25 % Naphtha, hydrogenated, light: benzene < 0.1%
EINECS/ELINCS No.: 265-151-9
F: Highly flammable. Xn: Harmful. N: Dangerous for the environment. R11: Highly flammable. R38: Irritating to skin. R65: Harmful: may cause lung damage if swallowed. R67: Vapours may cause drowsiness and dizziness. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
MAK values : 1440 mg/m3
- CAS No. 74-98-6 10-20 % Propane
EINECS/ELINCS No.: 200-827-9
F+: Extremely flammable. R12: Extremely flammable.
MAK values : 1800 mg/m3
- CAS No. 106-97-8 40-60 % Butane
EINECS/ELINCS No.: 203-448-7
F+: Extremely flammable. R12: Extremely flammable.
MAK values : 1900 mg/m3

3.3 Further information

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4 First aid measures No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

4.1 Eye contact Flush eyes with plenty of water.

4.2 Skin contact Remove residues with soap and water.

4.3 Ingestion

4.4 Inhalation Take into fresh air.

4.5 Further information

5 Fire-fighting measures

5.1 Suitable extinguishing media Carbon dioxide, dry chemical and protein based foam.

5.2 Extinguishing media to avoid Water spray.

5.3 Further information None.

6 Accidental release measures Every possibility of ignition must be avoided.

7 Handling and storage

7.1 Handling Do not spray towards flame or incandescent object.
Keep away from sources of ignition - No smoking.

7.2 Industrial hygiene Avoid breathing mists.

7.3 Storage Protect from direct sunlight and temperatures above 50°C (122°F).
Keep out of the reach of children.

7.4 Place of storage

7.5 Fire- and explosion-protection Use only if ventilation is good.

8 Exposure controls / Personal protection

8.1 Exposure controls Good general ventilation should be sufficient for most processing operations.

8.2 Exposure limit values None established for the mixture.

8.3 Occupational exposure controls

8.3.1 Respiratory protection None required.

8.3.2 Hand protection None required.

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8.3.3 Eye protection None required.

8.3.4 Other

8.4 Environmental exposure controls

9 Physical and chemical properties

9.1 Appearance liquified gas

9.2 Colour colourless

9.3 Odour solvent

9.4 Change of physical state Test method:

9.5 Density 0.621 g/cm³ (20°C) ASTM D 4052

9.6 Vapour pressure 3200 mbar (20°C)

9.7 Viscosity <1 mm²/s (40°C) DIN 51562-1

9.8 Solubility in water practically insoluble

9.9 pH not applicable

9.10 Flash point <0 °C

9.11 Ignition temperature 500 °C

9.12 Explosion limits Lower: 2.1 Vol% ((1013 mbar))
Upper: 9.5 Vol%

9.13 Further information
Part. coeff. n-octanol/water
Evaporat. rate

10 Stability and reactivity

10.1 Thermal decomposition Stable under recommended storage conditions.

10.2 Hazardous decomposition products None under normal conditions of storage and use.

10.3 Conditions / materials to avoid No hazards known.

10.4 Further information

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11 Toxicological information

- 11.1 Acute toxicity No relevant information found.
- 11.2 Subacute / Chronic toxicity
- 11.3 Further information
-

12 Ecological information

- 12.1 Ecotoxicity
- 12.2 Mobility
- 12.3 Persistence and degradability
- 12.4 Bioaccumulative potential
- 12.5 Further information Water Hazard Class (Germany): Class 2 (self assessment): hazardous for water.
-

13 Disposal considerations

- 13.1 EU/CH waste key Comply with local and national regulations.
16 01 99 Waste o.n.s
-

14 Transport information

- 14.1 Transport at land
- | | | | |
|----------------------|-----------------------------|---------------|---|
| ADR | 2 | RID | 2 |
| UN Number | 1950 | Kemler Number | |
| Packing Group | | | |
| Proper shipping name | Aerosols, flammable, n.o.s. | | |
- 14.2 Transport at sea
- | | | | |
|----------------------|---------------------|------|---|
| ADNR | | IMDG | 2 |
| UN Number | 1950 | | |
| EMS | F-D, S-U | MFAG | |
| Packing Group | | | |
| Proper shipping name | Aerosols, flammable | | |
| Marine pollutant | | | |

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14.3	Air transport	ICAO / IATA-DGR	2.1
		UN Number	1950
		Proper shipping name	Aerosols, flammable
		Subsidiary Risk	
		Labels	Flammable gas
		Packing Group	
	Passenger airplane	Packing Instructions	Y203
		max.	30 kg G
	Cargo Airplane	Packing Instructions	203
		max.	75 kg

14.4 Further information The product is classified for transportation.

15 Regulatory information

This product requires classification according to the criteria of the EC and the "Gefahrstoffverordnung".

15.1 UN number 1950

15.2 National regulations

15.3 EINECS/ELINCS number

15.4 Hazard symbols

F+



15.5 Hazard designation F+: Extremely flammable. Contains Propane, Butane, Naphtha, hydrogenated, light: benzene < 0.1%.

15.6 Risk phrases

R: 12-52/53

12 Extremely flammable.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

15.7 Safety phrases

S: 2-23-51-61

2 Keep out of the reach of children.
23 Do not breathe spray.
51 Use only in well-ventilated areas.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

15.8 MAK value

15.9 BVD classification (CH)

15.10 VbF (D)

15.11 Further information

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16 Other information

No other information.

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.

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