

## Soudal Silicone Spray

## 1. Identification of the substance/preparation and of the company/undertaking

## 1.1 Identification of the substance or preparation:

- Soudal Silicone Spray

## 1.2 Use of the substance or the preparation:

- Lubricant

## 1.3 Company/undertaking identification:

SOUDAL N.V.  
Everdongenlaan 18-20  
B-2300 Turnhout  
Tel. : +32 14 42 42 31  
Fax : +32 14 44 39 71

## 1.4 Telephone number for emergency:

+32 14 58 45 45  
Brandweerinformatiecentrum voor gevaarlijke stoffen (B.I.G.)  
Technische Schoolstraat 43 A, B-2440 Geel

## 2. Composition/information on ingredients

| Hazardous ingredients                                               | CAS No.<br>EINECS No.   | Conc.<br>in % | Hazard<br>symbol | Risks<br>(R-phrases)                                            |
|---------------------------------------------------------------------|-------------------------|---------------|------------------|-----------------------------------------------------------------|
| Low boiling point hydrogen treated<br>naphtha (conc benzene < 0.1%) | 64742-49-0<br>265-151-9 | <= 25         | F+;Xn;N          | 12-51/53-65-66 (1)<br>(Labelling in compliance with<br>CONCAWE) |
| butane                                                              | 106-97-8<br>203-448-7   | < 20          | F+               | 12 (1)                                                          |
| propane                                                             | 74-98-6<br>200-827-9    | < 20          | F+               | 12 (1)                                                          |

(1) For R-phrases in full: see heading 16

## 3. Hazards identification

- Extremely flammable
- Repeated exposure may cause skin dryness or cracking
- Vapours may cause drowsiness and dizziness
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

# Soudal Silicone Spray

## 4. First aid measures

- 4.1 Eye contact:**
- Rinse immediately with plenty of water
  - Seek medical advice
- 4.2 Skin contact:**
- Rinse immediately with plenty of water
  - If irritation persists: seek medical advice
- 4.3 After inhalation:**
- Remove the victim into fresh air
  - Seek medical advice
- 4.4 After ingestion:**
- Never give water to an unconscious person
  - Do not induce vomiting
  - Seek medical advice

## 5. Fire-fighting measures

- 5.1 Suitable extinguishing media:**
- Water spray
  - Polyvalent foam
  - BC powder
  - Carbon dioxide
- 5.2 Unsuitable extinguishing media:**
- Solid water jet ineffective as extinguishing medium
- 5.3 Special exposure hazards:**
- On burning: release of carbon monoxide and carbon dioxide
  - Gas/vapour spreads at floor level: ignition hazard
  - Gas/vapour flammable with air within explosion limits
  - Aerosol may explode under the effect of heat
- 5.4 Instructions:**
- Take account of toxic firefighting water
  - Use firefighting water moderately and contain it
  - Do not move the load if exposed to heat
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus

## 6. Accidental release measures

- 6.1 Personal protection/precautions:**
- See heading 8.1/8.3/10.3
- 6.2 Environmental precautions:**
- Use appropriate containment to avoid environmental contamination
- 6.3 Clean-up:**
- Take up liquid spill into absorbent material e.g.: sand/earth
  - Take collected spill to competent authority
  - Wash clothing and equipment after handling

# Soudal Silicone Spray

## 7. Handling and storage

### 7.1 Handling:

- Observe strict hygiene
- In case of insufficient ventilation: keep naked flames/sparks away
- Remove contaminated clothing immediately
- Clean contaminated clothing

### 7.2 Storage:

- Keep out of direct sunlight
- Store in a cool area
- Keep away from: heat sources, ignition sources, oxidizing agents, acids, bases

|                         |                     |      |
|-------------------------|---------------------|------|
| Storage temperature     | : < 50              | °C   |
| Quantity limit          | : N.D.              | kg   |
| Storage life            | : 365               | days |
| Materials for packaging | :                   |      |
| - suitable              | : aerosol dispenser |      |

### 7.3 Specific uses:

- See information supplied by the manufacturer

## 8. Exposure controls/Personal protection

### 8.1 Exposure limit values:

BUTANE:

|                 |        |                   |      |     |
|-----------------|--------|-------------------|------|-----|
| TLV-TWA         | : -    | mg/m <sup>3</sup> | 800  | ppm |
| TLV-STEL        | : -    | mg/m <sup>3</sup> | -    | ppm |
| TLV-Ceiling     | : -    | mg/m <sup>3</sup> | -    | ppm |
| OES-LTEL        | : 1450 | mg/m <sup>3</sup> | 600  | ppm |
| OES-STEL        | : 1810 | mg/m <sup>3</sup> | 750  | ppm |
| MAK             | : 2400 | mg/m <sup>3</sup> | 1000 | ppm |
| TRK             | : -    | mg/m <sup>3</sup> | -    | ppm |
| MAC-TGG 8 h     | : 1430 | mg/m <sup>3</sup> |      |     |
| MAC-TGG 15 min. | : -    | mg/m <sup>3</sup> |      |     |
| MAC-Ceiling     | : -    | mg/m <sup>3</sup> |      |     |
| VME-8 h         | : 1900 | mg/m <sup>3</sup> | 800  | ppm |
| VLE-15 min.     | : -    | mg/m <sup>3</sup> | -    | ppm |
| GWBB-8 h        | : 1928 | mg/m <sup>3</sup> | 8-00 | ppm |
| GWK-15 min.     | : -    | mg/m <sup>3</sup> | -    | ppm |
| Momentary value | : -    | mg/m <sup>3</sup> | -    | ppm |
| EC              | : -    | mg/m <sup>3</sup> | -    | ppm |
| EC-STEL         | : -    | mg/m <sup>3</sup> | -    | ppm |

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## PROPANE:

|                 |        |                   |      |     |
|-----------------|--------|-------------------|------|-----|
| TLV-TWA         | : -    | mg/m <sup>3</sup> | 2500 | ppm |
| TLV-STEL        | : -    | mg/m <sup>3</sup> | -    | ppm |
| TLV-Ceiling     | : -    | mg/m <sup>3</sup> | -    | ppm |
| OES-LTEL        | : -    | mg/m <sup>3</sup> | -    | ppm |
| OES-STEL        | : -    | mg/m <sup>3</sup> | -    | ppm |
| MAK             | : 1800 | mg/m <sup>3</sup> | 1000 | ppm |
| TRK             | : -    | mg/m <sup>3</sup> | -    | ppm |
| MAC-TGG 8 h     | : -    | mg/m <sup>3</sup> | -    | -   |
| MAC-TGG 15 min. | : -    | mg/m <sup>3</sup> | -    | -   |
| MAC-Ceiling     | : -    | mg/m <sup>3</sup> | -    | -   |
| VME-8 h         | : -    | mg/m <sup>3</sup> | -    | ppm |
| VLE-15 min.     | : -    | mg/m <sup>3</sup> | -    | ppm |
| GWBB-8 h        | : -    | mg/m <sup>3</sup> | -    | ppm |
| GWK-15 min.     | : -    | mg/m <sup>3</sup> | -    | ppm |
| Momentary value | : -    | mg/m <sup>3</sup> | -    | ppm |
| EC              | : -    | mg/m <sup>3</sup> | -    | ppm |
| EC-STEL         | : -    | mg/m <sup>3</sup> | -    | ppm |

## 8.2 Exposure controls:

### 8.2.1 Occupational exposure controls:

- Use only in well ventilated area

### 8.2.2 Environmental exposure controls: see heading 13

## 8.3 Personal protection:

### 8.3.1 respiratory protection:

- In case of insufficient ventilation: respiratory protection with filtertype A

### 8.3.2 hand protection:

- Chemically resistant gloves suitable materials:

GIVE GOOD RESISTANCE:  
Rubber

### 8.3.3 eye protection:

- Safety glasses

### 8.3.4 skin protection:

- Suitable protective clothing suitable materials:

GIVE GOOD RESISTANCE:  
Rubber

# Soudal Silicone Spray

## 9. Physical and chemical properties

### 9.1 General information:

|                      |              |
|----------------------|--------------|
| Appearance (at 20°C) | : Aerosol    |
| Odour                | : Solvent    |
| Colour               | : Colourless |

### 9.2 Important health, safety and environmental information:

|                                       |                                         |             |
|---------------------------------------|-----------------------------------------|-------------|
| pH value                              | : N.D.                                  |             |
| Boiling point/boiling range           | : N.D.                                  | °C          |
| Flashpoint                            | : Contains (highly) flammable component |             |
| Explosion limits                      | : 1.4 - 9                               | Vol% (20°C) |
| Vapour pressure (at 20°C)             | : 3500                                  | hPa         |
| Vapour pressure (at 50°C)             | : 8000                                  | hPa         |
| Relative density (at 20°C)            | : 0.58                                  |             |
| Water solubility                      | : Insoluble                             |             |
| Soluble in                            | : No data available                     |             |
| Relative vapour density               | : N.D.                                  |             |
| Viscosity (at 20°C)                   | : N.D.                                  | Pa.s        |
| Partition coefficient n-octanol/water | : N.D.                                  |             |
| Evaporation rate                      |                                         |             |
| ratio to butyl acetate                | : N.D.                                  |             |
| ratio to ether                        | : N.D.                                  |             |

### 9.3 Other information:

|                             |        |                  |
|-----------------------------|--------|------------------|
| Melting point/melting range | : N.D. | °C               |
| Auto-ignition point         | : N.D. | °C               |
| Saturation concentration    | : N.D. | g/m <sup>3</sup> |

## 10. Stability and reactivity

### 10.1 Conditions to avoid/reactivity:

- Unstable on exposure to heat

### 10.2 Materials to avoid:

- Keep away from: heat sources, ignition sources, oxidizing agents, acids, bases

### 10.3 Hazardous decomposition products:

- On burning: release of carbon monoxide and carbon dioxide

## 11. Toxicological information

### 11.1 Acute toxicity:

#### BUTANE:

|                     |        |          |
|---------------------|--------|----------|
| LD50 oral rat       | : N.D. | mg/kg    |
| LD50 dermal rabbit  | : N.D. | mg/kg    |
| LD50 dermal rabbit  | : N.D. | mg/kg    |
| LC50 inhalation rat | : 658  | mg/l/4 h |
| LC50 inhalation rat | : N.D. | ppm/4 h  |

#### PROPANE:

|                     |          |          |
|---------------------|----------|----------|
| LD50 oral rat       | : N.D.   | mg/kg    |
| LD50 dermal rabbit  | : N.D.   | mg/kg    |
| LD50 dermal rabbit  | : N.D.   | mg/kg    |
| LC50 inhalation rat | : 513    | mg/l/4 h |
| LC50 inhalation rat | : 280000 | ppm/4 h  |

### 11.2 Chronic toxicity:

|                        |              |
|------------------------|--------------|
| EC carc. cat.          | : not listed |
| EC muta. cat.          | : not listed |
| EC repr. cat.          | : not listed |
| Carcinogenicity (TLV)  | : not listed |
| Carcinogenicity (MAC)  | : not listed |
| Carcinogenicity (VME)  | : not listed |
| Carcinogenicity (GWBB) | : not listed |
| Carcinogenicity (MAK)  | : not listed |
| Mutagenicity (MAK)     | : not listed |
| Teratogenicity (MAK)   | : not listed |
| IARC classification    | : not listed |

### 11.3 Routes of exposure: inhalation, eyes and skin

### 11.4 Acute effects/symptoms (upon overexposure):

#### AFTER INHALATION:

##### EXPOSURE TO HIGH CONCENTRATIONS:

- Irritation of the respiratory tract
- Irritation of the nasal mucous membranes
- CNS depression
- Headache
- Dizziness
- Feeling of weakness
- Narcosis

#### AFTER SKIN CONTACT:

##### ON CONTINUOUS EXPOSURE/CONTACT:

- Dry skin
- Cracking of the skin

#### AFTER EYE CONTACT:

- Irritation of the eye tissue
- Inflammation/damage of the eye tissue

### 11.5 Chronic effects:

- None known

## 12. Ecological information

### 12.1 Ecotoxicity:

- No available data

### 12.2 Mobility:

- Volatile organic compounds (VOC): 90 %
- Insoluble in water

For other physicochemical properties see section 9

### 12.3 Persistence and degradability:

- biodegradation BOD<sub>5</sub> : N.D. % ThOD
- water : Not readily biodegradable in water
- soil : T  $\frac{1}{2}$  N.D. days

### 12.4 Bioaccumulative potential:

- log P<sub>ow</sub> : N.D.
- BCF : N.D.

### 12.5 Other adverse effects:

- WGK : 2 (classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- Effect on the ozone layer : Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect : No data available
- Effect on waste water purification : No data available

## 13. Disposal considerations

### 13.1 Provisions relating to waste:

- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 13 02 05 (mineral-based non-chlorinated engine, gear and lubricating oils)
- Hazardous waste (91/689/EEC)
- Afgewerkte olie

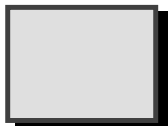
### 13.2 Disposal methods:

- Dispose of at authorized waste collection point
- Do not discharge into drains or the environment

### 13.3 Packaging:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

## 14. Transport information



### 14.1 Classification of the substance in compliance with UN Recommendations

|                      |   |                   |
|----------------------|---|-------------------|
| UN number            | : | 1950              |
| CLASS                | : | 2.1               |
| SUB RISKS            | : | -                 |
| DANGER LABEL TANKS   | : | -                 |
| PROPER SHIPPING NAME | : | UN 1950, Aerosols |

### 14.2 ADR (transport by road)

|                       |   |     |
|-----------------------|---|-----|
| CLASS                 | : | 2   |
| CLASSIFICATION CODE   | : | 5 F |
| DANGER LABEL TANKS    | : | -   |
| DANGER LABEL PACKAGES | : | 2.1 |

### 14.3 RID (transport by rail)

|                       |   |     |
|-----------------------|---|-----|
| CLASS                 | : | 2   |
| CLASSIFICATION CODE   | : | 5 F |
| DANGER LABEL TANKS    | : | -   |
| DANGER LABEL PACKAGES | : | 2.1 |

### 14.4 ADNR (transport by inland waterways)

|                       |   |     |
|-----------------------|---|-----|
| CLASS                 | : | 2   |
| CLASSIFICATION CODE   | : | 5 F |
| DANGER LABEL TANKS    | : | -   |
| DANGER LABEL PACKAGES | : | 2.1 |

### 14.5 IMDG (maritime transport)

|                  |   |          |
|------------------|---|----------|
| CLASS            | : | 2.1      |
| SUB RISKS        | : | -        |
| PACKING          | : | -        |
| MFAG             | : | -        |
| EMS              | : | F-D, S-U |
| MARINE POLLUTANT | : | P        |

### 14.6 ICAO (air transport)

|                                         |   |          |
|-----------------------------------------|---|----------|
| CLASS                                   | : | 2.1      |
| SUB RISKS                               | : | -        |
| PACKING                                 | : | -        |
| PACKING INSTRUCTIONS PASSENGER AIRCRAFT | : | 203/Y203 |
| PACKING INSTRUCTIONS CARGO AIRCRAFT     | : | 203      |

### 14.7 Special precautions in connection with transport

: None

### 14.8 Limited quantities (LQ)

:

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, **only** the following prescriptions shall be complied with:

each package shall display a diamond-shaped figure with the following inscription:

- 'UN 1950'

or, in the case of different goods with different identification numbers within a single package:

- the letters 'LQ'

# Soudal Silicone Spray

## 15. Regulatory information

Labelling in accordance with EC directives 67/548/EEC and 1999/45/EC



Extremely flammable



Dangerous for the environment

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

R66 : Repeated exposure may cause skin dryness or cracking

R67 : Vapours may cause drowsiness and dizziness

S23 : Do not breathe spray

S24 : Avoid contact with skin

S51 : Use only in well ventilated area

S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.

Keep away from sources of ignition - No smoking.

Keep out of the reach of children.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn after use.

Do not spray on a naked flame or any incandescent material

## 16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE  
N.D. = NOT DETERMINED  
\* = INTERNAL CLASSIFICATION

Full text of any R-phrases referred to under heading 2:

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

### Exposure limits:

TLV : Threshold Limit Value - ACGIH US 2002  
OES : Occupational Exposure Standards - United Kingdom 1999  
MEL : Maximum Exposure Limits - United Kingdom 1999  
MAK : Maximale Arbeitsplatzkonzentrationen - Germany 2001  
TRK : Technische Richtkonzentrationen - Germany 2001  
MAC : Maximale aanvaarde concentratie - the Netherlands 2002  
VME : Valeurs limites de Moyenne d'Exposition - France 1999  
VLE : Valeurs limites d'Exposition à court terme - France 1999  
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium 2002  
GWK : Grenswaarde kortstondige blootstelling - Belgium 2002  
EC : Indicative occupational exposure limit values - directive 2000/39/EC

I : Inhalable fraction = T : Total dust = E : Einatembarer Aerosolanteil  
R : Respirable fraction = A : Alveolengängiger Aerosolanteil/Alveolar dust  
C : Ceiling limit

|     |           |       |                   |            |
|-----|-----------|-------|-------------------|------------|
| a:  | aerosol   | r:    | rook/Rauch        | (fume)     |
| d:  | damp      | st:   | stof/Staub        | (dust)     |
| du: | dust      | ve:   | vezel             | (fibre)    |
| fa: | Faser     | va:   | vapour            |            |
| fi: | fibre     | om:   | oil mist          |            |
| fu: | fume      | on:   | olienevel/Ölnebel | (oil mist) |
| p:  | poussière | part: | particles         |            |

### Chronic toxicity:

K : List of the carcinogenic substances and processes - The Netherlands 2002