

Page 1 of 14  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 14.11.2011 / 0010  
Replaces revision of / Version: 19.01.2011 / 0009  
Valid from: 14.11.2011  
PDF print date: 14.11.2011  
3-IN-ONE professional Silicone Spray Lubricant

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

### 3-IN-ONE professional Silicone Spray Lubricant

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

##### Relevant identified uses of the substance or mixture:

Lubricant

##### Uses advised against:

No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

WD40 Company Limited UK, PO Box 440 , Kiln Farm, Milton Keynes, MK11 3LF  
Telephone 01908 555400, Fax 01908 266900  
info@wd40.co.uk

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

#### 1.4 Emergency telephone

##### Advisory office in case of poisoning:

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##### Telephone number of the company in case of emergencies:

Tel.: +49 (0) 700 / 24 112 112 (WDC)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### 2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

Not determined

##### 2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments).

F+, Extremely flammable

Xn, Harmful, R65

R66

R67

#### 2.2 Label elements

##### 2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)

Not determined

##### 2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments).

Symbols: F+

Indications of danger:

Extremely flammable

R-phrases:

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

S-phrases:

23 Do not breathe vapour/spray.



24 Avoid contact with skin.

35 This material and its container must be disposed of in a safe way.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

Additions:

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.

Keep out of the reach of children.

Without adequate ventilation, formation of explosive mixtures may be possible.

Contains

(R)-p-mentha-1,8-diene

May produce an allergic reaction.

## 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

Danger of bursting (explosion) when heated

Without adequate ventilation, formation of explosive mixtures may be possible.

May produce an allergic reaction.

## SECTION 3: Composition/information on ingredients

Aerosol

### 3.1 Substance

n.a.

### 3.2 Mixture

| Distillates (petroleum), hydrotreated light       |                         |
|---|-------------------------|
| Registration number (ECHA)                        | --                      |
| Index   | 649-422-00-2            |
| EINECS, ELINCS                                    | 265-149-8               |
| CAS   | CAS 64742-47-8          |
| content %   | 20-40                   |
| Symbol  | Xn                      |
| R-phrases   | 65-66                   |
| Classification categories / Indications of danger | Harmful                 |
| Hazard class/Hazard category                      | <b>Hazard statement</b> |
| Asp. Tox./1                                       | H304                    |

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics |                         |
|--|-------------------------|
| Registration number (ECHA)   | 01-2119463258-33-XXXX   |
| Index  | ---                     |
| EINECS, ELINCS   | 919-857-5               |
| CAS  | CAS n.v.                |
| content %  | 15-20                   |
| Symbol   | Xn                      |
| R-phrases  | 10-65-66-67             |
| Classification categories / Indications of danger                    | Flammable, Harmful      |
| Hazard class/Hazard category   | <b>Hazard statement</b> |
| Flam. Liq./3   | H226                    |
| Asp. Tox./1  | H304                    |
| STOT SE/3  | H336                    |

| Isoalkanes (C11 - C15)     |     |
|----------------------------|-----|
| Registration number (ECHA) | --  |
| Index                      | --- |

|  |                         |
|--|-------------------------|
| <b>EINECS, ELINCS</b>                                    | 292-460-6               |
| <b>CAS</b>   | CAS 90622-58-5          |
| <b>content %</b>   | 5-20                    |
| <b>Symbol</b>  | Xn                      |
| <b>R-phrases</b>   | 65-66                   |
| <b>Classification categories / Indications of danger</b> | Harmful                 |
| <b>Hazard class/Hazard category</b>                      | <b>Hazard statement</b> |
| Asp. Tox./1  | H304                    |

|  |   |
|--|---|
| <b>(R)-p-mentha-1,8-diene</b>                            |   |
| <b>Registration number (ECHA)</b>                        | --  |
| <b>Index</b>   | 601-029-00-7  |
| <b>EINECS, ELINCS</b>                                    | 227-813-5   |
| <b>CAS</b>   | CAS 5989-27-5   |
| <b>content %</b>   | 0,1-<0,25   |
| <b>Symbol</b>  | Xi/N  |
| <b>R-phrases</b>   | 10-38-43-50-53  |
| <b>Classification categories / Indications of danger</b> | Dangerous for the environment, Flammable, Irritant, Sensitizing |
| <b>Hazard class/Hazard category</b>                      | <b>Hazard statement</b>   |
| Flam. Liq./3   | H226  |
| Skin Irrit./2  | H315  |
| Skin Sens./1   | H317  |
| Aquatic Acute/1  | H400  |
| Aquatic Chronic/1  | H410  |

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

If the person is unconscious, place in a stable side position and consult a doctor.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Ingestion

Typically no exposure pathway.

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

The following may occur:

Irritation of the respiratory tract

Coughing

Headaches

Dizziness

Effects/damages the central nervous system

Coordination disorders

with long-term contact:

Product removes fat.

Drying of the skin.

Dermatitis (skin inflammation)

Allergic reaction possible.

Ingestion:

Nausea

Vomiting

Page 4 of 14  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
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Danger of aspiration  
Oedema of the lungs  
Other dangerous properties cannot be ruled out.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

n.c.

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

CO2  
Extinction powder  
Water jet spray  
Alcohol resistant foam  
Cool container at risk with water.

##### **Unsuitable extinguishing media**

High volume water jet

#### **5.2 Special hazards arising from the substance or mixture**

In case of fire the following can develop:  
Oxides of carbon  
Formaldehyde  
Toxic pyrolysis products.  
Danger of explosion by prolonged heating.  
Explosive vapour/air mixture  
Dangerous vapours heavier than air.  
In case of spreading near the ground, flashback to distance sources of ignition is possible.

#### **5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.  
Protective respirator with independent air supply.  
According to size of fire  
Full protection, if necessary  
Dispose of contaminated extinction water according to official regulations.

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Remove possible causes of ignition - do not smoke.  
Ensure sufficient supply of air.  
Avoid inhalation, and contact with eyes or skin.  
If applicable, caution - risk of slipping

#### **6.2 Environmental precautions**

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.  
Prevent surface and ground-water infiltration, as well as ground penetration.  
If accidental entry into drainage system occurs, inform responsible authorities.

#### **6.3 Methods and material for containment and cleaning up**

If spray or gas escapes, ensure ample fresh air is available.  
Without adequate ventilation, formation of explosive mixtures may be possible.  
Active substance:

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

#### **6.4 Reference to other sections**

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

### **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

#### **7.1 Precautions for safe handling**

Ensure good ventilation.  
Avoid inhalation of the vapours.  
Avoid contact with eyes or skin.  
Keep away from sources of ignition - Do not smoke.

Take measures against electrostatic charging, if appropriate.  
 Do not use on hot surfaces.  
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.  
 Observe directions on label and instructions for use.  
 Use working methods according to operating instructions.  
 General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep out of access to unauthorised individuals.  
 Not to be stored in gangways or stair wells.  
 Store product closed and only in original packing.  
 Do not store with flammable or self-igniting materials.  
 Observe special regulations for aerosols!  
 Store cool  
 Keep protected from direct sunlight and temperatures over 50°C.  
 Store in a well ventilated place.  
 Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").

**7.3 Specific end use(s)**

No information available at present.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40):  
 1000 mg/m<sup>3</sup>

|   |  |     |                 |
|---|--|-----|-----------------|
| <b>Chemical Name</b>  | Distillates (petroleum), hydrotreated light                                  |     | Content %:20-40 |
| WEL-TWA: 1200 mg/m <sup>3</sup> (>= C7 normal and branched chain alkanes)   | WEL-STEL: ---  | --- |                 |
| BMGV: ---   | Other information: ---   |     |                 |
| <b>Chemical Name</b>  | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics         |     | Content %:15-20 |
| WEL-TWA: 800 mg/m <sup>3</sup>  | WEL-STEL: ---  | --- |                 |
| BMGV: ---   | Other information: (WEL acc. to RCP-method, EH40)                            |     |                 |
| <b>Chemical Name</b>  | Isoalkanes (C11 - C15)   |     | Content %:5-20  |
| WEL-TWA: 1200 mg/m <sup>3</sup> (>=C7 normal and branched chain alkanes)    | WEL-STEL: ---  | --- |                 |
| BMGV: ---   | Other information: ---   |     |                 |
| <b>Chemical Name</b>  | Petroleum gases, liquified   |     | Content %:      |
| WEL-TWA: 1000 ppm (1750 mg/m <sup>3</sup> ) (Liquefied petroleum gas (LPG)) | WEL-STEL: 1250 ppm (2180 mg/m <sup>3</sup> ) (Liquefied petroleum gas (LPG)) | --- |                 |
| BMGV: ---   | Other information: ---   |     |                 |

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.  
 \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

| Distillates (petroleum), hydrotreated light |                |                             |                                |       |              |      |
|---|----------------|-----------------------------|--------------------------------|-------|--------------|------|
| Use-Area                                    | Exposure-Route | Exposure-Pattern            | Descriptor                     | Value | Unit         | Note |
| Worker                                      | Human - dermal | Long term, systemic effects | DNEL (Derived No Effect Level) | 44    | mg/kg bw/day |      |

|          |                    |                             |                                |     |                   |  |
|----------|--------------------|-----------------------------|--------------------------------|-----|-------------------|--|
| Worker   | Human - inhalation | Long term, systemic effects | DNEL (Derived No Effect Level) | 330 | mg/m <sup>3</sup> |  |
| Consumer | Human - dermal     | Long term, systemic effects | DNEL (Derived No Effect Level) | 26  | mg/kg bw/day      |  |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL (Derived No Effect Level) | 71  | mg/m <sup>3</sup> |  |
| Consumer | Human - oral       | Long term, systemic effects | DNEL (Derived No Effect Level) | 26  | mg/kg bw/day      |  |

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics |                    |                             |                                |       |                   |      |
|--|--------------------|-----------------------------|--------------------------------|-------|-------------------|------|
| Use-Area   | Exposure-Route     | Exposure-Pattern            | Descriptor                     | Value | Unit              | Note |
| Worker   | Human - dermal     | Long term, systemic effects | DNEL (Derived No Effect Level) | 208   | mg/kg bw/day      |      |
| Worker   | Human - inhalation | Long term, systemic effects | DNEL (Derived No Effect Level) | 871   | mg/m <sup>3</sup> |      |
| Consumer   | Human - oral       | Long term, systemic effects | DNEL (Derived No Effect Level) | 125   | mg/kg bw/day      |      |
| Consumer   | Human - dermal     | Long term, systemic effects | DNEL (Derived No Effect Level) | 125   | mg/kg bw/day      |      |
| Consumer   | Human - inhalation | Long term, systemic effects | DNEL (Derived No Effect Level) | 185   | mg/m <sup>3</sup> |      |

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Solvent resistant protective gloves (EN 374).

If applicable

Protective Neopren gloves (EN 374).

Protective nitrile gloves (EN 374)

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded.

Filter A2 P2 (EN 14387), code colour brown, white

At high concentrations:

Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138)

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| Physical state:                          | Aerosol  |
| Colour:                                  | Colourless   |
| Odour:                                   | Solvent  |
| Odour threshold:                         | Not determined   |
| pH-value:                                | n.a.   |
| Melting point/freezing point:            | Not determined   |
| Initial boiling point and boiling range: | n.a.   |
| Flash point:                             | n.a.   |
| Evaporation rate:                        | Not determined   |
| Flammability (solid, gas):               | Not determined   |
| Lower explosive limit:                   | Not determined   |
| Upper explosive limit:                   | Not determined   |
| Vapour pressure:                         | Not determined   |
| Vapour density (air = 1):                | Vapours heavier than air.  |
| Density:                                 | Not determined   |
| Bulk density:                            | Not determined   |
| Solubility(ies):                         | Not determined   |
| Water solubility:                        | Not determined   |
| Partition coefficient (n-octanol/water): | Not determined   |
| Auto-ignition temperature:               | Not determined   |
| Decomposition temperature:               | Not determined   |
| Viscosity:                               | Not determined   |
| Explosive properties:                    | Possible build up of explosive/highly flammable vapour/air mixture., Product is not explosive. |
| Oxidising properties:                    | No   |

### 9.2 Other information

|                           |                |
|---------------------------|----------------|
| Miscibility:              | Not determined |
| Fat solubility / solvent: | Not determined |
| Conductivity:             | Not determined |
| Surface tension:          | Not determined |
| Solvents content:         | Not determined |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

### 10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

Page 8 of 14  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 14.11.2011 / 0010  
 Replaces revision of / Version: 19.01.2011 / 0009  
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 3-IN-ONE professional Silicone Spray Lubricant

## SECTION 11: Toxicological information

| 3-IN-ONE professional Silicone Spray Lubricant                |          |       |      |          |             |  |
|---|----------|-------|------|----------|-------------|--|
| Toxicity/effect   | Endpoint | Value | Unit | Organism | Test method | Notes  |
| Acute toxicity, by oral route:                                |          |       |      |          |             | n.d.a.   |
| Acute toxicity, by dermal route:                              |          |       |      |          |             | n.d.a.   |
| Acute toxicity, by inhalation:                                |          |       |      |          |             | n.d.a.   |
| Skin corrosion/irritation:                                    |          |       |      |          |             | n.d.a.   |
| Serious eye damage/irritation:                                |          |       |      |          |             | n.d.a.   |
| Respiratory or skin sensitisation:                            |          |       |      |          |             | n.d.a.   |
| Germ cell mutagenicity:                                       |          |       |      |          |             | n.d.a.   |
| Carcinogenicity:  |          |       |      |          |             | n.d.a.   |
| Reproductive toxicity:  |          |       |      |          |             | n.d.a.   |
| Specific target organ toxicity - single exposure (STOT-SE):   |          |       |      |          |             | n.d.a.   |
| Specific target organ toxicity - repeated exposure (STOT-RE): |          |       |      |          |             | n.d.a.   |
| Aspiration hazard:  |          |       |      |          |             | n.d.a.   |
| Respiratory tract irritation:                                 |          |       |      |          |             | n.d.a.   |
| Repeated dose toxicity:                                       |          |       |      |          |             | n.d.a.   |
| Symptoms:   |          |       |      |          |             | n.d.a.   |
| Other toxicity data:  |          |       |      |          |             | Classification according to calculation procedure. |

| Distillates (petroleum), hydrotreated light |          |       |         |          |             |  |
|---|----------|-------|---------|----------|-------------|--|
| Toxicity/effect                             | Endpoint | Value | Unit    | Organism | Test method | Notes  |
| Acute toxicity, by oral route:              | LD50     | >2000 | mg/kg   | Rat      |             |  |
| Acute toxicity, by dermal route:            | LD50     | >2000 | mg/kg   | Rat      |             |  |
| Acute toxicity, by inhalation:              | LC50     | >5    | mg/l/4h | Rat      |             |  |
| Skin corrosion/irritation:                  |          |       |         |          |             | Repeated exposure may cause skin dryness or cracking.<br>Not irritant  |
| Serious eye damage/irritation:              |          |       |         |          |             | Not sensitizing  |
| Respiratory or skin sensitisation:          |          |       |         |          |             | Not sensitizing  |
| Aspiration hazard:                          |          |       |         |          |             | Yes  |
| Symptoms:                                   |          |       |         |          |             | may cause headaches and vertigo., unconsciousness, dizziness, Oedema of the lungs, chemical pneumonitis (condition similar to pneumonia) |
| Symptoms:                                   |          |       |         |          |             | Dermatitis (skin inflammation), headaches, dizziness, drowsiness, dizziness, Death   |

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics |          |       |      |          |             |       |
|--|----------|-------|------|----------|-------------|-------|
| Toxicity/effect  | Endpoint | Value | Unit | Organism | Test method | Notes |
|  |          |       |      |          |             |       |



Page 9 of 14  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 14.11.2011 / 0010  
 Replaces revision of / Version: 19.01.2011 / 0009  
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 PDF print date: 14.11.2011  
 3-IN-ONE professional Silicone Spray Lubricant

|   |      |       |                       |        |                                      |  |
|---|------|-------|-----------------------|--------|--------------------------------------|--|
| Acute toxicity, by oral route:                              | LD50 | >5000 | mg/kg                 | Rat    | OECD 401 (Acute Oral Toxicity)       |  |
| Acute toxicity, by dermal route:                            | LD50 | >5000 | mg/kg                 | Rabbit | OECD 402 (Acute Dermal Toxicity)     |  |
| Acute toxicity, by inhalation:                              | LC50 | >5000 | mg/m <sup>3</sup> /8h | Rat    | OECD 403 (Acute Inhalation Toxicity) |  |
| Skin corrosion/irritation:                                  |      |       |                       |        |                                      | Repeated exposure may cause skin dryness or cracking.        |
| Respiratory or skin sensitisation:                          |      |       |                       |        |                                      | Not sensitizing  |
| Germ cell mutagenicity:                                     |      |       |                       |        |                                      | Negative   |
| Carcinogenicity:  |      |       |                       |        |                                      | Negative   |
| Specific target organ toxicity - single exposure (STOT-SE): |      |       |                       |        |                                      | May cause drowsiness or dizziness.                           |
| Aspiration hazard:  |      |       |                       |        |                                      | Yes  |
| Symptoms:   |      |       |                       |        |                                      | unconsciousness, headaches, dizziness, reddening of the skin |

**Isoalkanes (C11 - C15)**

| Toxicity/effect                  | Endpoint | Value | Unit  | Organism | Test method | Notes   |
|----------------------------------|----------|-------|-------|----------|-------------|---|
| Acute toxicity, by oral route:   | LD50     | >5000 | mg/kg | Rat      |             |   |
| Acute toxicity, by dermal route: | LD50     | >3000 | mg/kg | Rabbit   |             |   |
| Skin corrosion/irritation:       |          |       |       |          |             | Repeated exposure may cause skin dryness or cracking. |
| Aspiration hazard:               |          |       |       |          |             | Yes   |
| Symptoms:                        |          |       |       |          |             | headaches, dizziness                                  |

**(R)-p-mentha-1,8-diene**

| Toxicity/effect                  | Endpoint | Value | Unit  | Organism | Test method | Notes   |
|----------------------------------|----------|-------|-------|----------|-------------|---|
| Acute toxicity, by oral route:   | LD50     | 4400  | mg/kg | Rat      |             |   |
| Acute toxicity, by dermal route: | LD50     | >5000 | mg/kg | Rabbit   |             |   |
| Symptoms:                        |          |       |       |          |             | diarrhoea, rash, itching, gastrointestinal disturbances, mucous membrane irritation, nausea and vomiting. |

**Petroleum gases, liquified**

| Toxicity/effect                | Endpoint | Value | Unit | Organism | Test method | Notes        |
|--------------------------------|----------|-------|------|----------|-------------|--------------|
| Acute toxicity, by inhalation: | LC50     | >5    | mg/l |          |             |              |
| Skin corrosion/irritation:     |          |       |      |          |             | Not irritant |
| Serious eye damage/irritation: |          |       |      |          |             | Not irritant |

**SECTION 12: Ecological information**

**3-IN-ONE professional Silicone Spray Lubricant**

| Toxicity/effect                | Endpoint | Time | Value | Unit | Organism | Test method | Notes  |
|--------------------------------|----------|------|-------|------|----------|-------------|--|
| Toxicity to fish:              |          |      |       |      |          |             | n.d.a.   |
| Toxicity to daphnia:           |          |      |       |      |          |             | n.d.a.   |
| Toxicity to algae:             |          |      |       |      |          |             | n.d.a.   |
| Persistence and degradability: |          |      |       |      |          |             | Isolate as much as possible with an oil separator. |

|                                    |  |  |  |  |  |  |   |
|------------------------------------|--|--|--|--|--|--|---|
| Bioaccumulative potential:         |  |  |  |  |  |  | n.d.a.                                    |
| Mobility in soil:                  |  |  |  |  |  |  | n.d.a.                                    |
| Results of PBT and vPvB assessment |  |  |  |  |  |  | n.d.a.                                    |
| Other adverse effects:             |  |  |  |  |  |  | n.d.a.                                    |
| Other ecotoxicological data:       |  |  |  |  |  |  | According to the recipe, contains no AOX. |

| <b>Distillates (petroleum), hydrotreated light</b> |          |      |       |      |                             |             |                       |
|--|----------|------|-------|------|-----------------------------|-------------|-----------------------|
| Toxicity/effect                                    | Endpoint | Time | Value | Unit | Organism                    | Test method | Notes                 |
| Toxicity to fish:                                  | LC50     | 96h  | 2,2   | mg/l | (Lepomis macrochirus)       |             |                       |
| Toxicity to fish:                                  | LC50     | 96h  | 45    | mg/l | (Pimephales promelas)       |             |                       |
| Toxicity to fish:                                  | LC50     | 96h  | 2,4   | mg/l | (Oncorhynchus mykiss)       |             |                       |
| Toxicity to daphnia:                               | LC50     | 96h  | 4720  | mg/l | Dendronereides heteropoda   |             |                       |
| Toxicity to algae:                                 | IC50     | 96h  | 4,2   | mg/l | (Selenastrum capricornutum) |             |                       |
| Persistence and degradability:                     |          |      |       |      |                             |             | Readily biodegradable |
| Water solubility:                                  |          |      |       |      |                             |             | Slight                |

| <b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b> |          |      |       |      |                                   |  |                                     |
|--|----------|------|-------|------|-----------------------------------|--|-------------------------------------|
| Toxicity/effect  | Endpoint | Time | Value | Unit | Organism                          | Test method  | Notes                               |
| Toxicity to fish:  | NOELR    | 28d  | 0,13  | mg/l | (Oncorhynchus mykiss)             | QSAR   |                                     |
| Toxicity to fish:  | LC50     | 96h  | >1000 | mg/l | (Oncorhynchus mykiss)             | OECD 203 (Fish, Acute Toxicity Test)                               |                                     |
| Toxicity to daphnia:   | EC50     | 48h  | >1000 | mg/l | (Daphnia magna)                   | OECD 202 (Daphnia sp. Acute Immobilisation Test)                   |                                     |
| Toxicity to daphnia:   | NOELR    | 21d  | 0,23  | mg/l | (Daphnia magna)                   | QSAR   |                                     |
| Toxicity to algae:   | ErC50    | 72h  | >1000 | mg/l | (Pseudokirchneriella subcapitata) | OECD 201 (Alga, Growth Inhibition Test)                            |                                     |
| Toxicity to algae:   | NOELR    | 72h  | 100   | mg/l | (Raphidocelis subcapitata)        | OECD 201 (Alga, Growth Inhibition Test)                            | groth rate                          |
| Toxicity to algae:   | NOELR    | 72h  | 3     | mg/l | (Pseudokirchneriella subcapitata) | OECD 201 (Alga, Growth Inhibition Test)                            |                                     |
| Toxicity to algae:   | EbC50    | 72h  | >1000 | mg/l | (Pseudokirchneriella subcapitata) | OECD 201 (Alga, Growth Inhibition Test)                            |                                     |
| Persistence and degradability:   |          | 28d  | 80    | %    |                                   | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) |                                     |
| Bioaccumulative potential:   |          |      |       |      |                                   |  | n.d.a.                              |
| Mobility in soil:  |          |      |       |      |                                   |  | n.d.a.                              |
| Results of PBT and vPvB assessment   |          |      |       |      |                                   |  | No PBT substance, No vPvB substance |
| Other adverse effects:   |          |      |       |      |                                   |  | n.d.a.                              |

**Isoalkanes (C11 - C15)**

| Toxicity/effect      | Endpoint | Time | Value | Unit | Organism              | Test method                    | Notes |
|----------------------|----------|------|-------|------|-----------------------|--------------------------------|-------|
| Toxicity to fish:    | LC50     | 96h  | 2890  | mg/l | (Pimephales promelas) | IUCLID Chem. Data Sheet (ESIS) |       |
| Toxicity to fish:    | LC50     | 96h  | 72    | mg/l | (Oncorhynchus mykiss) |                                |       |
| Toxicity to daphnia: | EC50     | 48h  | <100  | mg/l | (Daphnia magna)       | IUCLID Chem. Data Sheet (ESIS) |       |
| Toxicity to algae:   | EC50     | 72h  | 100   | mg/l |                       |                                |       |

**(R)-p-mentha-1,8-diene**

| Toxicity/effect                | Endpoint | Time | Value | Unit | Organism              | Test method  | Notes |
|--------------------------------|----------|------|-------|------|-----------------------|--|-------|
| Toxicity to fish:              | LC50     | 96h  | 0,70  | mg/l | (Pimephales promelas) |  |       |
| Toxicity to daphnia:           | EC50     | 48h  | 0,42  | mg/l | (Daphnia magna)       |  |       |
| Persistence and degradability: |          | 28d  | 92    | %    |                       | OECD 301 D (Ready Biodegradability - Closed Bottle Test) |       |

**Petroleum gases, liquified**

| Toxicity/effect            | Endpoint | Time | Value | Unit | Organism | Test method | Notes              |
|----------------------------|----------|------|-------|------|----------|-------------|--------------------|
| Bioaccumulative potential: |          |      |       |      |          |             | Not to be expected |

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****For the substance / mixture / residual amounts**

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 06 04 other organic solvents, washing liquids and mother liquors

16 05 04 gases in pressure containers (including halons) containing dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

**For contaminated packing material**

Pay attention to local and national official regulations

Recommendation:

Do not perforate, cut up or weld uncleaned container.

Recycling

15 01 04 metallic packaging

**SECTION 14: Transport information****General statements**

UN number: 1950

**Transport by road/by rail (ADR/RID)**

UN proper shipping name:

UN 1950 AEROSOLS

Transport hazard class(es): 2.1

Packing group: -

Classification code: 5F

LQ (ADR 2011): 1 L

LQ (ADR 2009): 2

Environmental hazards: Not applicable

Tunnel restriction code: D



Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 14.11.2011 / 0010  
 Replaces revision of / Version: 19.01.2011 / 0009  
 Valid from: 14.11.2011  
 PDF print date: 14.11.2011  
 3-IN-ONE professional Silicone Spray Lubricant

**Transport by sea (IMDG-code)**

UN proper shipping name:  
 AEROSOLS  
 Transport hazard class(es): 2.1  
 Packing group: -  
 EmS: F-D, S-U  
 Marine Pollutant: n.a  
 Environmental hazards: Not applicable



**Transport by air (IATA)**

UN proper shipping name:  
 Aerosols, flammable  
 Transport hazard class(es): 2.1  
 Packing group: -  
 Environmental hazards: Not applicable



**Special precautions for user**

Persons employed in transporting dangerous goods must be trained.  
 All persons involved in transporting must observe safety regulations.  
 Precautions must be taken to prevent damage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Freighted as packaged goods rather than in bulk, therefore not applicable.  
 Minimum amount regulations have not been taken into account.  
 Danger code and packing code on request.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

For classification and labelling see Section 2.  
 Observe restrictions: Yes  
 Comply with trade association/occupational health regulations.  
 Observe youth employment law (German regulation).  
 VOC (1999/13/EC): ~ 97% w/w

**15.2 Chemical safety assessment**

A chemical safety assessment is not provided for mixtures.

**SECTION 16: Other information**

These details refer to the product as it is delivered.

EUF0005

Revised sections: 2, 3, 8, 11, 12, 16

The following statements are the indicated R-phrases / H-phrases and classification codes (GHS/CLP) for the ingredients (listed in Section 3).

- 38 Irritating to skin.
- 43 May cause sensitization by skin contact.
- 50 Very toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 10 Flammable.
- 67 Vapours may cause drowsiness and dizziness.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

- Asp. Tox.-Aspiration hazard
- Flam. Liq.-Flammable liquid
- STOT SE-Specific target organ toxicity - single exposure - narcotic effects
- Skin Irrit.-Skin irritation
- Skin Sens.-Skin sensitization

Aquatic Acute-Hazardous to the aquatic environment - acute

Aquatic Chronic-Hazardous to the aquatic environment - chronic

## Legend:

### AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)

BCF Bioconcentration factor

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

BHT Butylhydroxytoluol (= 2,6-Di-*t*-butyl-4-methyl-phenol)

BMGV Biological monitoring guidance value (EH40, UK)

BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum

bw body weight

CAS Chemical Abstracts Service

CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPAC Collaborative International Pesticides Analytical Council

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

DT50 Dwell Time - 50% reduction of start concentration

DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European Community

ECHA European Chemicals Agency

EEA European Economic Area

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America)

ERC Environmental Release Categories

ES Exposure scenario

etc. et cetera

EU European Union

EWC European Waste Catalogue

Fax. Fax number

gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code)

IC Inhibitory concentration

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive  
 IUCLID International Uniform Chemical Information Database  
 LC lethal concentration  
 LC50 lethal concentration 50 percent kill  
 LCLo lowest published lethal concentration  
 LD Lethal Dose of a chemical  
 LD50 Lethal Dose, 50% kill  
 LDLo Lethal Dose Low  
 LMBG Lebensmittel- und Bedarfsgegenständegesetz (= Foodstuffs and Commodities Law)  
 LOAEL Lowest Observed Adverse Effect Level  
 LOEC Lowest Observed Effect Concentration  
 LOEL Lowest Observed Effect Level  
 LQ Limited Quantities  
 MARPOL International Convention for the Prevention of Marine Pollution from Ships  
 n.a. not applicable  
 n.av. not available  
 n.c. not checked  
 n.d.a. no data available  
 NIOSH National Institute of Occupational Safety and Health (United States of America)  
 NOAEC No Observed Adverse Effective Concentration  
 NOAEL No Observed Adverse Effect Level  
 NOEC No Observed Effect Concentration  
 NOEL No Observed Effect Level  
 ODP Ozone Depletion Potential  
 OECD Organisation for Economic Co-operation and Development  
 org. organic  
 PAH polycyclic aromatic hydrocarbon  
 PC product category (= Chemical product category)  
 PE Polyethylene  
 PNEC Predicted No Effect Concentration  
 POCP Photochemical ozone creation potential  
 ppm parts per million  
 PROC Process category  
 PTFE Polytetrafluorethylene  
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
 RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
 SADT Self-Accelerating Decomposition Temperature  
 SAR Structure Activity Relationship  
 SU Sector of use  
 SVHC Substances of Very High Concern  
 Tel. Telephone  
 ThOD Theoretical oxygen demand  
 TOC Total organic carbon  
 TRGS Technische Regeln für Gefahrstoffe (= Technical Regulations for Hazardous Substances)  
 VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))  
 VOC Volatile organic compounds  
 vPvB very persistent and very bioaccumulative  
 WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).  
 WHO World Health Organization

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by:

**Chemical Check GmbH, Wöbbeler Straße 2-4, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90**

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