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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
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3-IN-ONE®Silicone 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®Silicone 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

GB

WD-40 Company Limited  
PO Box 440  
GB-Kiln Farm, Milton Keynes, MK11 3LF

Tel.: +44 (0) 1908 555400  
Fax: +44 (0) 1908 266900  
E-Mail: [Compliance@wd40.co.uk](mailto:Compliance@wd40.co.uk)  
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WD-40 Company Limited  
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IRL

Euro Car Parts Team P. R. Reilly  
Unit K Furry Park Industrial Est.  
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Phone: 1800 818 440

Qualified person's e-mail address: [info@chemical-check.de](mailto:info@chemical-check.de), [k.schnurbusch@chemical-check.de](mailto:k.schnurbusch@chemical-check.de) Please DO NOT use for requesting Safety Data Sheets.

#### 1.4 Emergency telephone number

##### Emergency information services / official advisory body:

IRL

National Poisons Information Centre, Beaumont Hospital, Dublin 9, Ireland, Tel.:  
+353 (0)1 809 2166 (Public Poisons Info Line, 8am-10pm, 7 days a week)  
+353 (0)1 809 2566 (Info for Healthcare Professionals ONLY, 24 h, 7 days a week)

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

GB

+44 20 3807 3798

IRL

+353 1 901 4670

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

| Hazard class | Hazard category | Hazard statement                                   |
|--------------|-----------------|----------------------------------------------------|
| Asp. Tox.    | 1               | H304-May be fatal if swallowed and enters airways. |
| STOT SE      | 3               | H336-May cause drowsiness or dizziness.            |
| Aerosol      | 1               | H222-Extremely flammable aerosol.                  |
| Aerosol      | 1               | H229-Pressurised container: May burst if heated.   |

### 2.2 Label elements

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



Danger

H336-May cause drowsiness or dizziness. H222-Extremely flammable aerosol. H229-Pressurised container: May burst if heated.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.  
 P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211-Do not spray on an open flame or other ignition source. P251-Do not pierce or burn, even after use. P261-Avoid breathing vapours or spray. P271-Use only outdoors or in a well-ventilated area.  
 P312-Call a POISON CENTRE / doctor if you feel unwell.  
 P405-Store locked up. P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
 P501-Dispose of contents / container to an approved waste disposal facility.

EUH066-Repeated exposure may cause skin dryness or cracking.

Without adequate ventilation, formation of explosive mixtures may be possible.  
 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

### 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 (< 0,1 %).  
 The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).  
 The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).  
 Dangerous vapours heavier than air.  
 In case of spreading near the ground, flashback to distance sources of ignition is possible.

## SECTION 3: Composition/information on ingredients

Aerosol

### 3.1 Substances

n.a.

### 3.2 Mixtures

|                                                                     |                       |
|---------------------------------------------------------------------|-----------------------|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |                       |
| Registration number (REACH)                                         | 01-2119463258-33-XXXX |
| Index                                                               | ---                   |
| EINECS, ELINCS, NLP, REACH-IT List-No.                              | 919-857-5             |
| CAS                                                                 | ---                   |

|                                                                               |                                                                      |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>content %</b>                                                              | 50-60                                                                |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b> | EUH066<br>Flam. Liq. 3, H226<br>STOT SE 3, H336<br>Asp. Tox. 1, H304 |
| <b>Petroleum gases, liquefied</b>                                             |                                                                      |
| <b>Registration number (REACH)</b>                                            | ---                                                                  |
| <b>Index</b>                                                                  | 649-202-00-6                                                         |
| <b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>                                 | 270-704-2                                                            |
| <b>CAS</b>                                                                    | 68476-85-7                                                           |
| <b>content %</b>                                                              | 30-50                                                                |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b> | Flam. Gas 1A, H220                                                   |

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

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

If, for example, the note P is applied for a hydrocarbon then this has already been taken into account for the classification named here.

Quote: "Note P - The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7)."

Article 4 of the regulation (EC) no. 1272/2008 (CLP regulation) was also observed and taken into account for the classification named here.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

#### 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

Danger of aspiration.

Oedema of the lungs

Other dangerous properties cannot be ruled out.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

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

Symptomatic treatment.

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

#### **5.1 Extinguishing media**

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

CO<sub>2</sub>

Extinguishment powder

Water jet spray

Alcohol resistant foam

##### **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

Explosive vapour/air or gas/air mixtures.

Toxic gases

Danger of bursting (explosion) when heated

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

For personal protective equipment see Section 8.

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.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.

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

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

##### **6.1.1 For non-emergency personnel**

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

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.

##### **6.1.2 For emergency responders**

See section 8 for suitable protective equipment and material specifications.

#### **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**

##### **7.1.1 General recommendations**

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.

### 7.1.2 Notes on general hygiene measures at the workplace

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!

Observe special storage conditions.

Observe special storage conditions.

Keep protected from direct sunlight and temperatures over 50°C.

Store in a well ventilated place.

Store cool.

### 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):

800 mg/m<sup>3</sup>

| CE                     | Chemical Name | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics                                                                                   |  |     |
|------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|
| WEL-TWA: 800 mg/m3     |               | WEL-STEL: ---                                                                                                                                         |  | --- |
| Monitoring procedures: |               | <div>- Draeger - Hydrocarbons 0,1%/c (81 03 571)</div> <div>- Draeger - Hydrocarbons 2/a (81 03 581)</div> <div>- Compur - KITA-187 S (551 174)</div> |  |     |
| BMGV: ---              |               | Other information: (OEL acc. to RCP-method, paragraphs 84-87, EH40)                                                                                   |  |     |

| Chemical Name                                                     | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics                                                                                                                  |     |  |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
| OELV-8h: 100 ppm (573 mg/m3) ("Stoddard solvent", [White spirit]) | OELV-15min: ---                                                                                                                                                                      | --- |  |
| Monitoring procedures:                                            | <ul style="list-style-type: none"><li>- Draeger - Hydrocarbons 0,1%/c (81 03 571)</li><li>- Draeger - Hydrocarbons 2/a (81 03 581)</li><li>- Compur - KITA-187 S (551 174)</li></ul> |     |  |
| BLV: ---                                                          | Other information: ---                                                                                                                                                               |     |  |

| Chemical Name                                                  | Petroleum gases, liquefied                                      |                        |  |
|----------------------------------------------------------------|-----------------------------------------------------------------|------------------------|--|
| WEL-TWA: 1000 ppm (1750 mg/m3) (Liquefied petroleum gas (LPG)) | WEL-STEL: 1250 ppm (2180 mg/m3) (Liquefied petroleum gas (LPG)) | ---                    |  |
| Monitoring procedures:                                         |                                                                 | ---                    |  |
| BMGV: ---                                                      |                                                                 | Other information: --- |  |

|                                                                                    |                      |                               |                        |  |
|------------------------------------------------------------------------------------|----------------------|-------------------------------|------------------------|--|
|  | <b>Chemical Name</b> | Petroleum gases, liquefied    |                        |  |
| OELV-8h: ---                                                                       |                      | OELV-15min: 1000 ppm (Butane) | ---                    |  |
| Monitoring procedures:                                                             |                      | ---                           |                        |  |
| BLV: ---                                                                           |                      |                               | Other information: --- |  |

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |                                            |                  |            |       |      |      |
|---------------------------------------------------------------------|--------------------------------------------|------------------|------------|-------|------|------|
| Area of application                                                 | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |

|                     |                    |                             |      |      |              |  |
|---------------------|--------------------|-----------------------------|------|------|--------------|--|
| Consumer            | Human - oral       | Long term, systemic effects | DNEL | 300  | mg/kg bw/day |  |
| Consumer            | Human - dermal     | Long term, systemic effects | DNEL | 300  | mg/kg bw/day |  |
| Consumer            | Human - inhalation | Long term, systemic effects | DNEL | 900  | mg/m3        |  |
| Consumer            | Human - dermal     | Long term, systemic effects | DNEL | 125  | mg/kg bw/day |  |
| Consumer            | Human - inhalation | Long term, systemic effects | DNEL | 185  | mg/m3        |  |
| Consumer            | Human - oral       | Long term, systemic effects | DNEL | 125  | mg/kg bw/day |  |
| Workers / employees | Human - dermal     | Long term, systemic effects | DNEL | 300  | mg/kg bw/day |  |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 1500 | mg/m3        |  |
| Workers / employees | Human - dermal     | Long term, systemic effects | DNEL | 208  | mg/kg bw/day |  |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 871  | mg/m3        |  |

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | 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.

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

IELV-8h = Occupational Exposure Limit Value (8-hour reference period). (IFV) = Inhalable Fraction and Vapour. (I) = Inhalable Fraction. (R) = Respirable Fraction.

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). |

OELV-15min = Occupational Exposure Limit Value (15-minute reference period). (IFV) = Inhalable Fraction and Vapour. (I) = Inhalable Fraction. (R) = Respirable Fraction.

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). |

BLV = Biological limit value |

Other information: Carc1A, Carc1B = carcinogenic substance, Cat. 1A or 1B. Muta1A, Muta1B = mutagenic substance, Cat. 1A or 1B. Repr1A, Repr1B = Substances known to be toxic for reproduction, Cat. 1A or 1B. Sk = can be absorbed through skin. Asphx = asphyxiant. Sen = Respiratory sensitizer. BOELV = Binding Occupational Exposure Limit Values. IOELV = Indicative Occupational Exposure Limit Values.

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

## 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.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

### 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 ISO 374).

If applicable

Protective Neoprene® / polychloroprene gloves (EN ISO 374).

Minimum layer thickness in mm:

1

Permeation time (penetration time) in minutes:

>= 480

Protective nitrile gloves (EN ISO 374).

Minimum layer thickness in mm:

0,4

Permeation time (penetration time) in minutes:

>= 480

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

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. Active substance: liquid.

Colour:

Colourless

Odour:

Solvent

Melting point/freezing point:

There is no information available on this parameter.

Boiling point or initial boiling point and boiling range:

n.a.

Flammability:

Does not apply to aerosols.

Lower explosion limit:

There is no information available on this parameter.

Upper explosion limit:

There is no information available on this parameter.

Flash point:

Does not apply to aerosols.

Auto-ignition temperature:

Does not apply to aerosols.

Decomposition temperature:

There is no information available on this parameter.

pH:

There is no information available on this parameter.

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 3-IN-ONE®Silicone Lubricant

Kinematic viscosity:  
 Solubility:  
 Partition coefficient n-octanol/water (log value):  
 Vapour pressure:  
 Density and/or relative density:  
 Relative vapour density:  
 Particle characteristics:

Does not apply to aerosols.  
 There is no information available on this parameter.  
 Does not apply to mixtures.  
 There is no information available on this parameter.  
 Does not apply to aerosols.  
 Vapours heavier than air.  
 Does not apply to aerosols.

## 9.2 Other information

Explosives:

Possible build up of explosive/highly flammable vapour/air mixture. Product is not explosive.

Oxidising liquids:

No

## 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

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

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more information on health effects, see Section 2.1 (classification).

#### 3-IN-ONE®Silicone 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. |
| Symptoms:                                                     |          |       |      |          |             | n.d.a. |

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

| Toxicity / effect                | Endpoint | Value | Unit    | Organism | Test method                          | Notes |
|----------------------------------|----------|-------|---------|----------|--------------------------------------|-------|
| 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:   | LD50     | >18,5 | mg/l/4h | Rat      | OECD 403 (Acute Inhalation Toxicity) |       |

|                                                                     |       |         |            |                        |                                                                                             |                                                                                       |
|---------------------------------------------------------------------|-------|---------|------------|------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Skin corrosion/irritation:                                          |       |         |            | Rabbit                 | OECD 404 (Acute Dermal Irritation/Corrosion)                                                | Not irritant, Repeated exposure may cause skin dryness or cracking.                   |
| Serious eye damage/irritation:                                      |       |         |            | Rabbit                 | OECD 405 (Acute Eye Irritation/Corrosion)                                                   | Not irritant                                                                          |
| Respiratory or skin sensitisation:                                  |       |         |            | Guinea pig             | OECD 406 (Skin Sensitisation)                                                               | No (skin contact)                                                                     |
| Germ cell mutagenicity:                                             |       |         |            | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test)                                                  | Negative, Analogous conclusion                                                        |
| Germ cell mutagenicity:                                             |       |         |            | Human being            | OECD 473 (In Vitro Mammalian Chromosome Aberration Test)                                    | Negative, Analogous conclusion                                                        |
| Germ cell mutagenicity:                                             |       |         |            | Mouse                  | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)                                       | Negative, Analogous conclusion                                                        |
| Germ cell mutagenicity:                                             |       |         |            | Rat                    | OECD 478 (Genetic Toxicology - Rodent dominant Lethal Test)                                 | Negative, Analogous conclusion                                                        |
| Germ cell mutagenicity:                                             |       |         |            |                        | OECD 479 (Genetic Toxicology - In Vitro Sister Chromatid Exchange assay in Mammalian Cells) | Negative, Analogous conclusion Chinese hamster                                        |
| Reproductive toxicity:                                              |       |         |            |                        | OECD 414 (Prenatal Developmental Toxicity Study)                                            | Negative, Analogous conclusion                                                        |
| Carcinogenicity:                                                    | NOAEC | 1100    | mg/m3      | Mouse                  | OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)                                | Female                                                                                |
| Carcinogenicity:                                                    | NOAEC | >= 2200 | mg/m3      | Mouse                  | OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)                                | Male                                                                                  |
| Reproductive toxicity (Effects on fertility):                       | NOAEL | >= 3000 | mg/kg bw/d | Rat                    | OECD 415 (One-Generation Reproduction Toxicity Study)                                       | Male                                                                                  |
| Reproductive toxicity (Effects on fertility):                       | NOAEL | >= 1500 | mg/kg bw/d | Rat                    | OECD 415 (One-Generation Reproduction Toxicity Study)                                       | Female                                                                                |
| Specific target organ toxicity - single exposure (STOT-SE):         |       |         |            |                        |                                                                                             | May cause drowsiness or dizziness., STOT SE 3, H336                                   |
| Aspiration hazard:                                                  |       |         |            |                        |                                                                                             | Yes                                                                                   |
| Symptoms:                                                           |       |         |            |                        |                                                                                             | unconsciousness, headaches, dizziness, discoloration of the skin, vomiting, diarrhoea |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 3000    | mg/kg/d    | Rat                    | OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)                              | Analogous conclusion                                                                  |

|                                                                         |       |      |     |     |                                                          |                      |
|-------------------------------------------------------------------------|-------|------|-----|-----|----------------------------------------------------------|----------------------|
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEC | 1444 | ppm | Rat | OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study) | Analogous conclusion |
|-------------------------------------------------------------------------|-------|------|-----|-----|----------------------------------------------------------|----------------------|

| Petroleum gases, liquefied         |          |       |      |          |             |                   |
|------------------------------------|----------|-------|------|----------|-------------|-------------------|
| 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      |
| Respiratory or skin sensitisation: |          |       |      |          |             | No (skin contact) |
| Aspiration hazard:                 |          |       |      |          |             | No                |

## 11.2. Information on other hazards

| 3-IN-ONE®Silicone Lubricant      |          |       |      |          |             |                                                                       |
|----------------------------------|----------|-------|------|----------|-------------|-----------------------------------------------------------------------|
| Toxicity / effect                | Endpoint | Value | Unit | Organism | Test method | Notes                                                                 |
| Endocrine disrupting properties: |          |       |      |          |             | Does not apply to mixtures.                                           |
| Other information:               |          |       |      |          |             | No other relevant information available on adverse effects on health. |

## SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

| 3-IN-ONE®Silicone Lubricant              |          |      |       |      |          |             |                                                                       |
|------------------------------------------|----------|------|-------|------|----------|-------------|-----------------------------------------------------------------------|
| Toxicity / effect                        | Endpoint | Time | Value | Unit | Organism | Test method | Notes                                                                 |
| 12.1. Toxicity to fish:                  |          |      |       |      |          |             | n.d.a.                                                                |
| 12.1. Toxicity to daphnia:               |          |      |       |      |          |             | n.d.a.                                                                |
| 12.1. Toxicity to algae:                 |          |      |       |      |          |             | n.d.a.                                                                |
| 12.2. Persistence and degradability:     |          |      |       |      |          |             | Isolate as much as possible with an oil separator.                    |
| 12.3. Bioaccumulative potential:         |          |      |       |      |          |             | n.d.a.                                                                |
| 12.4. Mobility in soil:                  |          |      |       |      |          |             | n.d.a.                                                                |
| 12.5. Results of PBT and vPvB assessment |          |      |       |      |          |             | n.d.a.                                                                |
| 12.6. Endocrine disrupting properties:   |          |      |       |      |          |             | Does not apply to mixtures.                                           |
| 12.7. Other adverse effects:             |          |      |       |      |          |             | No information available on other adverse effects on the environment. |
| Other information:                       |          |      |       |      |          |             | According to the recipe, contains no AOX.                             |

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |          |      |       |      |                     |                                      |       |
|---------------------------------------------------------------------|----------|------|-------|------|---------------------|--------------------------------------|-------|
| Toxicity / effect                                                   | Endpoint | Time | Value | Unit | Organism            | Test method                          | Notes |
| Toxicity to bacteria:                                               | EL50     | 48h  | 0,95  | mg/l |                     |                                      | QSAR  |
| 12.1. Toxicity to fish:                                             | LC50     | 96h  | >1000 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) |       |
| 12.1. Toxicity to fish:                                             | NOELR    | 28d  | 0,13  | mg/l | Oncorhynchus mykiss | QSAR                                 |       |

|                                          |       |     |       |      |                                  |                                                                    |                                     |
|------------------------------------------|-------|-----|-------|------|----------------------------------|--------------------------------------------------------------------|-------------------------------------|
| 12.1. Toxicity to daphnia:               | EC50  | 48h | >1000 | mg/l | Daphnia magna                    | OECD 202 (Daphnia sp. Acute Immobilisation Test)                   |                                     |
| 12.1. Toxicity to algae:                 | ErC50 | 72h | >1000 | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test)                            |                                     |
| 12.1. Toxicity to algae:                 | EbC50 | 72h | >1000 | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test)                            |                                     |
| 12.1. Toxicity to algae:                 | NOELR | 72h | 100   | mg/l | Raphidocelis subcapitata         | OECD 201 (Alga, Growth Inhibition Test)                            |                                     |
| 12.2. Persistence and degradability:     |       | 28d | 80    | %    |                                  | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Readily biodegradable               |
| 12.1. Toxicity to algae:                 | NOELR | 72h | 3     | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test)                            |                                     |
| 12.3. Bioaccumulative potential:         |       |     | 5-6,7 |      |                                  |                                                                    | High                                |
| 12.5. Results of PBT and vPvB assessment |       |     |       |      |                                  |                                                                    | No PBT substance, No vPvB substance |

**Petroleum gases, liquefied**

| Toxicity / effect                        | Endpoint | Time | Value  | Unit | Organism | Test method | Notes                               |
|------------------------------------------|----------|------|--------|------|----------|-------------|-------------------------------------|
| 12.1. Toxicity to fish:                  | LC50     | 96h  | 147,54 | mg/l |          | QSAR        |                                     |
| 12.3. Bioaccumulative potential:         |          |      |        |      |          |             | Not to be expected                  |
| 12.5. Results of PBT and vPvB assessment |          |      |        |      |          |             | No PBT substance, No vPvB substance |

**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. (2014/955/EU)

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

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

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Take full aerosol cans to problem waste collection.

Take emptied aerosol cans to valuable material collection.

**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**

14.1. UN number or ID number:

1950

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

14.2. UN proper shipping name:

UN 1950 AEROSOLS

14.3. Transport hazard class(es):

2.1

14.4. Packing group:

-

Classification code:

5F

LQ:

1 L

14.5. Environmental hazards:

Not applicable

Tunnel restriction code:

D

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

14.2. UN proper shipping name:

AEROSOLS

14.3. Transport hazard class(es):

2.1

14.4. Packing group:

-

EmS:

F-D, S-U

Marine Pollutant:

n.a

14.5. Environmental hazards:

Not applicable

**Transport by air (IATA)**

14.2. UN proper shipping name:

Aerosols, flammable

14.3. Transport hazard class(es):

2.1

14.4. Packing group:

-

14.5. Environmental hazards:

Not applicable

**14.6. Special precautions for user**

Unless specified otherwise, general measures for safe transport must be followed.

**14.7. Maritime transport in bulk according to IMO instruments**

Non-dangerous material according to Transport Regulations.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!

Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

| Hazard categories | Notes to Annex I | Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Lower-tier requirements | Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Upper-tier requirements |
|-------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| P3a               | 11.1             | 150 (netto)                                                                                                                           | 500 (netto)                                                                                                                           |

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC):

~ 97 %

Observe incident regulations.

**15.2 Chemical safety assessment**

A chemical safety assessment is not provided for mixtures.

**SECTION 16: Other information**

EUF0005

Revised sections:

2

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

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## Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

| Classification in accordance with regulation (EC) No. 1272/2008 (CLP) | Evaluation method used                              |
|-----------------------------------------------------------------------|-----------------------------------------------------|
| Asp. Tox. 1, H304                                                     | Classification according to calculation procedure.  |
| STOT SE 3, H336                                                       | Classification according to calculation procedure.  |
| Aerosol 1, H222                                                       | Classification according to calculation procedure.  |
| Aerosol 1, H229                                                       | Classification based on the form or physical state. |

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H220 Extremely flammable gas.

EUH066 Repeated exposure may cause skin dryness or cracking.

Asp. Tox. — Aspiration hazard

STOT SE — Specific target organ toxicity - single exposure - narcotic effects

Aerosol — Aerosols

Flam. Liq. — Flammable liquid

Flam. Gas — Flammable gases - Flammable gas

### Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

### Any abbreviations and acronyms used in this document:

acc., acc. to according, according to

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

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ASTM ASTM International (American Society for Testing and Materials)

ATE Acute Toxicity Estimate

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

BSEF The International Bromine Council

bw body weight

CAS Chemical Abstracts Service

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

CMR carcinogenic, mutagenic, reproductive toxic

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

dw dry weight

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

EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)

EC European Community  
 ECHA European Chemicals Agency  
 ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect  
 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)  
 ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)  
 etc. et cetera  
 EU European Union  
 EVAL Ethylene-vinyl alcohol copolymer  
 Fax. Fax number  
 gen. general  
 GHS Globally Harmonized System of Classification and Labelling of Chemicals  
 GWP Global warming potential  
 Koc Adsorption coefficient of organic carbon in the soil  
 Kow octanol-water partition coefficient  
 IARC International Agency for Research on Cancer  
 IATA International Air Transport Association  
 IBC (Code) International Bulk Chemical (Code)  
 IMDG-code International Maritime Code for Dangerous Goods  
 incl. including, inclusive  
 IUCLID International Uniform Chemical Information Database  
 IUPAC International Union for Pure Applied Chemistry  
 LC50 Lethal Concentration to 50 % of a test population  
 LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)  
 Log Koc Logarithm of adsorption coefficient of organic carbon in the soil  
 Log Kow, Log Pow Logarithm of octanol-water partition coefficient  
 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 for Occupational Safety and Health (USA)  
 NLP No-longer-Polymer  
 NOEC, NOEL No Observed Effect Concentration/Level  
 OECD Organisation for Economic Co-operation and Development  
 org. organic  
 OSHA Occupational Safety and Health Administration (USA)  
 PBT persistent, bioaccumulative and toxic  
 PE Polyethylene  
 PNEC Predicted No Effect Concentration  
 ppm parts per million  
 PVC Polyvinylchloride  
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
 REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
 RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
 SVHC Substances of Very High Concern  
 Tel. Telephone  
 TOC Total organic carbon  
 UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
 VOC Volatile organic compounds  
 vPvB very persistent and very bioaccumulative  
 wwt wet weight

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:

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