

## 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

**WD-40® Specialist® High Performance Silicone Lubricant WD-40® Specialist® Silicone**

#### 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  
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GB-Kiln Farm, Milton Keynes, MK11 3LF

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E-Mail: [Compliance@wd40.co.uk](mailto:Compliance@wd40.co.uk)  
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Tel.: +31 85 487 46 91

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M

Danka Import Export  
548 St Joseph High Road  
SVR 1018 St Venera

Tel.: +356 21233649  
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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:

M

Medicines & Poisons Info Office - Mater Dei Hospital, Msida MSD 2090, Malta - Tel.: +356 2545 6508  
Emergency Ambulance - Tel.: 112

IRL

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

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WD-40® Specialist® High Performance Silicone Lubricant WD-40® Specialist® Silicone

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:**

+44 20 3807 3798

## 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.

White mineral oil (Natural oil)

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 %).

## SECTION 3: Composition/information on ingredients

Aerosol

### 3.1 Substances

n.a.

### 3.2 Mixtures

|   |  |
|---|--|
| <b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> |  |
| <b>Registration number (REACH)</b>  | 01-2119463258-33-XXXX  |
| <b>Index</b>  | ---  |
| <b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>                                 | 919-857-5  |
| <b>CAS</b>  | ---  |
| <b>content %</b>  | 40-60  |
| <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>White mineral oil (Natural oil)</b>  |                       |
| <b>Registration number (REACH)</b>  | 01-2119487078-27-XXXX |
| <b>Index</b>  | ---                   |
| <b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>                                 | 232-455-8             |
| <b>CAS</b>  | 8042-47-5             |
| <b>content %</b>  | 1-<10                 |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b> | Asp. Tox. 1, H304     |

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.

Danger of aspiration.

In case of vomiting, keep head low so that the stomach content does not reach the lungs.

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

Irritation of the eyes

Irritation of the respiratory tract

Coughing

Headaches

Dizziness

Effects/damages the central nervous system

Unconsciousness

With long-term contact:

Drying of the skin.

Dermatitis (skin inflammation)

Ingestion:

Nausea

Vomiting

Danger of aspiration.

Oedema of the lungs

chemical pneumonitis (condition similar to pneumonia)

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**

Gastric lavage (stomach washing) only under endotracheal intubation.

Subsequent observation for pneumonia and pulmonary oedema.

Pulmonary oedema prophylaxis

## **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

Oxides of sulphur

Formaldehyde

Toxic gases

Danger of bursting (explosion) when heated

Explosive vapour/air or gas/air mixtures.

### **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.
- Observe the instructions for good working practice and the recommendations for risk assessment.
- Consult hazardous substance information systems, e.g. from the professional associations, the chemical industry or different industries,
- depending on the application (building materials, wood, chemistry, laboratory, leather, metal).

## 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>

| GB Chemical Name   | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics  |     |  |
|--|--|-----|--|
| WEL-TWA: 800 mg/m <sup>3</sup>   | WEL-STEL: ---  | --- |  |
| 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> |     |  |
| BMGV: ---  | Other information: (OEL acc. to RCP-method, paragraphs 84-87, EH40)  |     |  |
| IRL Chemical Name  | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics  |     |  |
| OELV-8h: 100 ppm (573 mg/m <sup>3</sup> ) ("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: ---   |     |  |
| GB Chemical Name   | Petroleum gases, liquefied   |     |  |
| 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))   | --- |  |

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|                        |     |                    |     |
|------------------------|-----|--------------------|-----|
| Monitoring procedures: | --- | Other information: | --- |
| BMGV:                  | --- |                    |     |

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

|                        |  |                    |     |
|------------------------|--|--------------------|-----|
| <b>Chemical Name</b>   | Oil mist, mineral  |                    |     |
| WEL-TWA:               | 5 mg/m3 (Mineral oil, excluding metal working fluids, ACGIH) | WEL-STEL:          | --- |
| Monitoring procedures: | - Draeger - Oil Mist 1/a (67 33 031)                         |                    |     |
| BMGV:                  | ---  | Other information: | --- |

|                        |  |                    |     |
|------------------------|--|--------------------|-----|
| <b>Chemical Name</b>   | Oil mist, mineral  |                    |     |
| OELV-8h:               | 5 mg/m3 (Mineral oil, pure, highly & severely refined (inhalable)) | OELV-15min:        | --- |
| Monitoring procedures: | - Draeger - Oil Mist 1/a (67 33 031)                               |                    |     |
| 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 - dermal                             | Long term, systemic effects | DNEL       | 46    | mg/kg bw/day |      |
| Consumer  | Human - inhalation                         | Long term, systemic effects | DNEL       | 185   | mg/m3        |      |
| Consumer  | Human - oral                               | Long term, systemic effects | DNEL       | 46    | mg/kg bw/day |      |
| Workers / employees   | Human - dermal                             | Long term, systemic effects | DNEL       | 77    | mg/kg bw/day |      |
| Workers / employees   | Human - inhalation                         | Long term, systemic effects | DNEL       | 871   | mg/m3        |      |

| White mineral oil (Natural oil) |  |                             |            |       |              |      |
|---------------------------------|--|-----------------------------|------------|-------|--------------|------|
| Area of application             | Exposure route / Environmental compartment | Effect on health            | Descriptor | Value | Unit         | Note |
| Consumer                        | Human - dermal                             | Long term, systemic effects | DNEL       | 92    | mg/kg bw/day |      |
| Consumer                        | Human - inhalation                         | Long term, systemic effects | DNEL       | 35    | mg/m3        |      |
| Consumer                        | Human - oral                               | Long term, systemic effects | DNEL       | 40    | mg/kg bw/day |      |
| Workers / employees             | Human - inhalation                         | Long term, local effects    | DNEL       | 160   | mg/m3        |      |
| Workers / employees             | Human - dermal                             | Long term, local effects    | DNEL       | 220   | mg/kg        |      |
| Workers / employees             | Human - dermal                             | Long term, systemic effects | DNEL       | 220   | mg/kg bw/day |      |
| Workers / employees             | Human - inhalation                         | Long term, systemic effects | DNEL       | 160   | 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).

(R) OELV-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).

(M) OELV-8h = Occupational Exposure Limit Value - 8 h (8-hour reference period as a time-weighted average)

[9] = Inhalable fraction (S.L.424.24), [10] = Respirable fraction (S.L.424.24).

(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-ST = Occupational Exposure Limit Value - Short-term (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).

[8] = Short-term exposure limit value in relation to a reference period of 1 minute. (S.L.424.24), [9] = Inhalable fraction (S.L.424.24), [10] = Respirable fraction (S.L.424.24) |

BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) |

Other information: Skin = Possibility of a significant uptake through the skin.

[11] = When selecting an appropriate exposure monitoring method, account should be taken of potential limitations and interferences that may arise in the presence of other sulphur compounds. (S.L.424.24), [12] = The mist is defined as the thoracic fraction.

(S.L.424.24), [13] = Established in accordance with the Annex to Directive 91/322/EEC. (S.L.424.24), [14] = During exposure monitoring for mercury and its divalent inorganic compounds, account should be taken of relevant biological monitoring techniques that complement the OELV. (S.L.424.24).

(EU13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (EU14) = 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:

With danger of contact with eyes.

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

Skin protection - Hand protection:

Normally not necessary.

with long-term contact:

If applicable

Protective nitrile gloves (EN ISO 374).

Minimum layer thickness in mm:

0,4

Permeation time (penetration time) in minutes:

>= 480

Protective Viton® / fluoroelastomer gloves (EN ISO 374).

Minimum layer thickness in mm:

0,4

Permeation time (penetration time) in minutes:

>= 480

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. Active substance: liquid.                   |
| Colour:   | Light brown  |
| Odour:  | Characteristic                                       |
| 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:                                    | 0,8 Vol-%  |
| Upper explosion limit:                                    | 9 Vol-%  |
| 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:   | Mixture is non-soluble (in water).                   |
| Kinematic viscosity:                                      | Does not apply to aerosols.                          |
| Solubility:   | Insoluble  |
| Partition coefficient n-octanol/water (log value):        | Does not apply to mixtures.                          |
| Vapour pressure:  | There is no information available on this parameter. |
| Density and/or relative density:                          | 0,662 g/ml   |
| Relative vapour density:                                  | Does not apply to aerosols.                          |
| Particle characteristics:                                 | Does not apply to aerosols.                          |

### 9.2 Other information

|                    |   |
|--------------------|---|
| Explosives:        | Product is not explosive. Possible build up of explosive/highly flammable vapour/air mixture. |
| Oxidising liquids: | No  |
| Bulk density:      | n.a.  |



## 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).

#### WD-40® Specialist® High Performance Silicone Lubricant WD-40® Specialist® Silicone

| 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. |
| Skin corrosion/irritation:       |          |       |         |          |  | 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  |

**White mineral oil (Natural oil)**

| 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  | >2000 | mg/kg      | Rabbit                 | OECD 402 (Acute Dermal Toxicity)                              |                      |
| Acute toxicity, by inhalation:  | LC50  | >5    | mg/l/4h    | Rat                    | OECD 403 (Acute Inhalation Toxicity)                          | Mist                 |
| Skin corrosion/irritation:  |       |       |            | Rabbit                 | OECD 404 (Acute Dermal Irritation/Corrosion)                  | Not irritant         |
| 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             |
| Carcinogenicity:  | NOAEL | >1200 | mg/kg      | Rat                    | OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)  | Negative             |
| Reproductive toxicity:  |       |       |            |                        | OECD 415 (One-Generation Reproduction Toxicity Study)         | Negative             |
| Reproductive toxicity:  | NOAEL | ≥1000 | mg/kg bw/d | Rat                    | OECD 421 (Reproduction/Developmental Toxicity Screening Test) | Negative             |
| Specific target organ toxicity - repeated exposure (STOT-RE):         | NOAEL | >1200 | mg/kg      | Rat                    | OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)  |                      |
| Specific target organ toxicity - repeated exposure (STOT-RE):         | NOAEL | >1200 | mg/kg      |                        | OECD 452 (Chronic Toxicity Studies)                           |                      |
| Aspiration hazard:  |       |       |            |                        |   | Asp. Tox. 1          |
| Symptoms:   |       |       |            |                        |   | nausea and vomiting. |
| Specific target organ toxicity - repeated exposure (STOT-RE), dermal: | NOAEL | >2000 | mg/kg      | Rat                    | OECD 411 (Subchronic Dermal Toxicity - 90-day Study)          |                      |
| Specific target organ toxicity - repeated exposure (STOT-RE), dermal: | NOAEL | 1000  | mg/kg      | Rabbit                 | OECD 410 (Repeated Dose Dermal Toxicity - 90-Day)             |                      |

**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**

| WD-40® Specialist® High Performance Silicone Lubricant WD-40® Specialist® Silicone |          |       |      |          |             |                             |
|--|----------|-------|------|----------|-------------|-----------------------------|
| 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).

| WD-40® Specialist® High Performance Silicone Lubricant WD-40® Specialist® Silicone |          |      |       |      |          |             |   |
|--|----------|------|-------|------|----------|-------------|---|
| 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 |
| 12.1. Toxicity to fish:   | NOELR    | 28d  | 0,13  | mg/l | Oncorhynchus mykiss              | QSAR   |       |
| 12.1. Toxicity to fish:   | LC50     | 96h  | >1000 | mg/l | Oncorhynchus mykiss              | OECD 203 (Fish, Acute Toxicity Test)             |       |
| 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)          |       |
| 12.1. Toxicity to algae:  | NOELR    | 72h  | 3     | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test)          |       |

|  |      |     |       |      |  |  |                                     |
|--|------|-----|-------|------|--|--|-------------------------------------|
| 12.2. Persistence and degradability:     |      | 28d | 80    | %    |  | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Readily biodegradable               |
| 12.3. Bioaccumulative potential:         |      |     | 5-6,7 |      |  |  | High                                |
| 12.5. Results of PBT and vPvB assessment |      |     |       |      |  |  | No PBT substance, No vPvB substance |
| Toxicity to bacteria:                    | EL50 | 48h | 0,95  | mg/l |  |  | QSAR                                |

**White mineral oil (Natural oil)**

| Toxicity / effect                    | Endpoint  | Time | Value | Unit | Organism                        | Test method  | Notes                                |
|--------------------------------------|-----------|------|-------|------|---------------------------------|--|--------------------------------------|
| 12.1. Toxicity to fish:              | LC50      | 96h  | >1000 | mg/l | Leuciscus idus                  | OECD 203 (Fish, Acute Toxicity Test)                               |                                      |
| 12.1. Toxicity to fish:              | NOEC/NOEL | 96h  | >1000 | mg/l | Oncorhynchus mykiss             | OECD 203 (Fish, Acute Toxicity Test)                               |                                      |
| 12.1. Toxicity to daphnia:           | EL50      | 48h  | >100  | mg/l | Daphnia magna                   | OECD 202 (Daphnia sp. Acute Immobilisation Test)                   |                                      |
| 12.1. Toxicity to daphnia:           | LC50      | 48h  | >100  | mg/l | Daphnia magna                   | OECD 202 (Daphnia sp. Acute Immobilisation Test)                   |                                      |
| 12.1. Toxicity to daphnia:           | EL50      | 21d  | >1000 | mg/l | Daphnia magna                   |  |                                      |
| 12.1. Toxicity to algae:             | EL50      | 48h  | >1000 | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test)                            |                                      |
| 12.2. Persistence and degradability: |           | 28d  | 31,3  | %    |                                 | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Not readily biodegradable            |
| 12.2. Persistence and degradability: |           | 28d  | >60   | %    |                                 | OECD 301 B (Ready Biodegradability - Co2 Evolution Test)           | Biodegradable                        |
| 12.7. Other adverse effects:         |           |      |       |      |                                 |  | Product floats on the water surface. |
| Toxicity to bacteria:                | LC50      |      | >1000 | mg/l | activated sludge                |  |                                      |
| Toxicity to bacteria:                | NOELR     |      | >100  | mg/l | Pseudomonas subspicata          |  |                                      |

**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**

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

Revision date / version: 26.09.2022 / 0015

Replacing version dated / version: 01.11.2021 / 0014

Valid from: 26.09.2022

PDF print date: 30.03.2023

WD-40® Specialist® High Performance Silicone Lubricant WD-40® Specialist® Silicone

### 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


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

|                                   |                |   |
|-----------------------------------|----------------|---|
| 14.1. UN number or ID number:     | 1950           |   |
| 14.2. UN proper shipping name:    |                |   |
| UN 1950 AEROSOLS                  |                |   |
| 14.3. Transport hazard class(es): | 2.1            |  |
| 14.4. Packing group:              | -              |   |
| 14.5. Environmental hazards:      | Not applicable |   |
| Tunnel restriction code:          | D              |   |
| Classification code:              | 5F             |   |
| LQ:                               | 1 L            |   |
| Transport category:               | 2              |   |

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

|                                   |                |   |
|-----------------------------------|----------------|---|
| 14.1. UN number or ID number:     | 1950           |   |
| 14.2. UN proper shipping name:    |                |   |
| UN 1950 AEROSOLS                  |                |   |
| 14.3. Transport hazard class(es): | 2.1            |  |
| 14.4. Packing group:              | -              |   |
| 14.5. Environmental hazards:      | Not applicable |   |
| Marine Pollutant:                 | Not applicable |   |
| EmS:                              | F-D, S-U       |   |

#### Transport by air (IATA)

|                                   |                |   |
|-----------------------------------|----------------|---|
| 14.1. UN number or ID number:     | 1950           |   |
| 14.2. UN proper shipping name:    |                |   |
| UN 1950 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

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.

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

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.

Comply with special provisions.

## 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): ~ 92 %

Observe incident regulations.

National requirements/regulations on safety and health protection must be applied when using work equipment.

**15.2 Chemical safety assessment**

A chemical safety assessment is not provided for mixtures.

**SECTION 16: Other information**

EU F0052

Revised sections:

2

Employee training in handling dangerous goods is required.

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

**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.

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

**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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