

Page 1 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 26.08.2014 / 0002  
Replaces revision of / Version: 30.04.2014 / 0001  
Valid from: 26.08.2014  
PDF print date: 05.09.2014  
WD-40® MULTI-USE PRODUCT - [Aerosol]

## 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® MULTI-USE PRODUCT - [Aerosol]**

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

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

Corrosion protection  
Lubricant

##### Uses advised against:

No information available at present.

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

WD-40 Company Limited PO Box 440, Kiln Farm, Milton Keynes, MK11 3LF, UK  
Telephone: +44 (0) 1908 555400, Fax: +44 (0) 1908 266900  
[www.wd40.co.uk](http://www.wd40.co.uk)

IRL

P.R. Rielly Limited KarKraft House, Kilbarrack Industrial Estate, Kilbarrack, Dublin 5, IE  
Phone: 01-832 0006, Fax: 01-832 0016  
[web@team.ie](mailto:web@team.ie)

M

Danka Import Export , 548 St Joseph High Road, M-SVR 1018 St Venera  
Phone: +356 21233649, Fax: +356 21233501  
[Danka@maltanet.net](mailto:Danka@maltanet.net)

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

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

---

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

+49 (0) 700 / 24 112 112 (WDC)

IRL

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

---

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

+49 (0) 700 / 24 112 112 (WDC)

M

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

Medicines & Poisons Info Office - Mater Dei Hospital, Msida MSD 2090, Malta - Tel.: 2545 6504  
Emergency Ambulance - Tel.: 112

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

+49 (0) 700 / 24 112 112 (WDC)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

| Hazard class | Hazard category | Hazard statement |
|--------------|-----------------|------------------|
|--------------|-----------------|------------------|

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

Revised on / Version: 26.08.2014 / 0002

Replaces revision of / Version: 30.04.2014 / 0001

Valid from: 26.08.2014

PDF print date: 05.09.2014

WD-40® MULTI-USE PRODUCT - [Aerosol]

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

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

F+,Extremely flammable

Xn, Harmful, R65

R66

R67

**2.2 Label elements**

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



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.

P301+P310+P331-IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. P312-Call a POISON CENTER/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 safely.

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.

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

Danger of bursting (explosion) when heated

Hydrocarbons can be harmful to water.

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

Product can compose a film on the water surface, which can prevent oxygen exchange.

**SECTION 3: Composition/information on ingredients**

Aerosol

**3.1 Substance**

n.a.

**3.2 Mixture**

|  |                               |
|--|-------------------------------|
| <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</b>   | 919-857-5 (REACH-IT List-No.) |
| <b>CAS</b>   | CAS ---                       |
| <b>content %</b>   | 60-80                         |

Page 3 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 26.08.2014 / 0002  
 Replaces revision of / Version: 30.04.2014 / 0001  
 Valid from: 26.08.2014  
 PDF print date: 05.09.2014  
 WD-40® MULTI-USE PRODUCT - [Aerosol]

|  |  |
|--|--|
| <b>Classification according to Directive 67/548/EEC</b>            | Flammable, R10<br>Harmful, Xn, R65<br>R66<br>R67           |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP)</b> | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H336 |

| <b>Carbon dioxide</b>  | <b>Substance for which an EU exposure limit value applies.</b> |
|--|--|
| <b>Registration number (REACH)</b>                                 | --   |
| <b>Index</b>   | ---  |
| <b>EINECS, ELINCS, NLP</b>   | 204-696-9  |
| <b>CAS</b>   | CAS 124-38-9   |
| <b>content %</b>   | 1-5  |
| <b>Classification according to Directive 67/548/EEC</b>            | ---  |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP)</b> | ---  |

For the text of the R-phrases / 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 3.1/3.2 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.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Supply person with fresh air.  
 Remove person from danger area.  
 Respiratory arrest - Artificial respiration apparatus necessary.

#### 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

Rinse the mouth thoroughly with water.  
 Consult doctor immediately - keep Data Sheet available.  
 Do not induce vomiting.  
 Danger of aspiration

### 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 eyes

Inhalation:

Headaches

Nausea

Dizziness

Irritation of the respiratory tract

Effects/damages the central nervous system

With long-term contact:

Dermatitis (skin inflammation)

Ingestion:

Nausea

Vomiting

Diarrhoea

Danger of aspiration

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

n.c.

## SECTION 5: Firefighting measures

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

Revised on / Version: 26.08.2014 / 0002

Replaces revision of / Version: 30.04.2014 / 0001

Valid from: 26.08.2014

PDF print date: 05.09.2014

WD-40® MULTI-USE PRODUCT - [Aerosol]

## 5.1 Extinguishing media

### Suitable extinguishing media

Foam

CO<sub>2</sub>

Extinction powder

### Unsuitable extinguishing media

Water

## 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Danger of bursting (explosion) when heated

Danger of explosion by prolonged heating.

Explosive vapour/air mixture

## 5.3 Advice for firefighters

According to size of fire

Protective respirator with independent air supply.

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

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

Do not carry cleaning cloths soaked in product in trouser pockets.

### 6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

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

If spray or gas escapes, ensure ample fresh air is available.

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.

Keep away from sources of ignition - Do not smoke.

Do not use on hot surfaces.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

Take measures against electrostatic charging, if appropriate.

#### 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.

Observe special regulations for aerosols!

Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebsicherheitsverordnung").

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

Store in a dry place.

Store cool

Store in a well ventilated place.

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

Revised on / Version: 26.08.2014 / 0002

Replaces revision of / Version: 30.04.2014 / 0001

Valid from: 26.08.2014

PDF print date: 05.09.2014

WD-40® MULTI-USE PRODUCT - [Aerosol]

### 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/m3

| Chemical Name      | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics |     | Content %:60-80 |
|--------------------|--|-----|-----------------|
| WEL-TWA: 800 mg/m3 | WEL-STEL: ---  | --- |                 |
| BMGV: ---          | Other information: (WEL acc. to RCP-method, EH40)                    |     |                 |

| Chemical Name                               | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics |     | Content %:60-80 |
|---|--|-----|-----------------|
| OELV-8h: 100 ppm (573 mg/m3) (White Spirit) | OELV-15min: 125 ppm (720 mg/m3) (White Spirit)                       | --- |                 |
| BLV: ---                                    | Other information: ---   |     |                 |

| Chemical Name  | Carbon dioxide                          |     | Content %:1-5 |
|--|---|-----|---------------|
| WEL-TWA: 5000 ppm (9150 mg/m3) (WEL), 5000 ppm (9000 mg/m3) (EU) | WEL-STEL: 15000 ppm (27400 mg/m3) (WEL) | --- |               |
| BMGV: ---  | Other information: ---                  |     |               |

| Chemical Name                                | Carbon dioxide                                  |     | Content %:1-5 |
|--|---|-----|---------------|
| OELV-8h: 5000 ppm (9000 mg/m3) (OELV-8h, EC) | OELV-15min: 15000ppm (27000 mg/m3) (OELV-15min) | --- |               |
| BLV: ---                                     | Other information: IOELV                        |     |               |

| Chemical Name                                | Carbon dioxide         |     | Content %:1-5 |
|--|------------------------|-----|---------------|
| OELV-8h: 5000 ppm (9000 mg/m3) (OELV-8h, UE) | OELV-ST: ---           | --- |               |
| BMGV: ---                                    | Other information: --- |     |               |

| Chemical Name            | Oil mist, mineral          |     | Content %: |
|--------------------------|----------------------------|-----|------------|
| WEL-TWA: 5 mg/m3 (ACGIH) | WEL-STEL: 10 mg/m3 (ACGIH) | --- |            |
| BMGV: ---                | Other information: ---     |     |            |

| Chemical Name   | Oil mist, mineral      |     | Content %: |
|---|------------------------|-----|------------|
| OELV-8h: 0,2 mg/m3 (Mineral oil, used in metal working (inhalable)), 5 mg/m3 (Mineral oil, pure, highly & severely refined (inhalable)) | OELV-15min: ---        | --- |            |
| BLV: ---  | Other information: --- |     |            |

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

OELV-8h = Occupational Exposure Limit Value (8-hour reference period). (IFV) = Inhalable Fraction and Vapour. (I) = Inhalable Fraction. (R) = Respirable Fraction. | OELV-15min = Occupational Exposure Limit Value (15-minute reference period). (IFV) = Inhalable Fraction and Vapour. (I) = Inhalable Fraction. (R) = Respirable Fraction. | 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.

OELV-8h = Occupational Exposure Limit Value - 8 h (8-hour reference period as a time-weighted average) | OELV-ST = Occupational Exposure Limit Value - Short-term (15-minute reference period) | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Skin = Possibility of a significant uptake through the skin.

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

Page 6 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 26.08.2014 / 0002  
 Replaces revision of / Version: 30.04.2014 / 0001  
 Valid from: 26.08.2014  
 PDF print date: 05.09.2014  
 WD-40® MULTI-USE PRODUCT - [Aerosol]

| Area of application | Exposure route / Environmental compartment | Effect on health            | Descriptor | Value | Unit         | Note |
|---------------------|--|-----------------------------|------------|-------|--------------|------|
| 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        |      |
| 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        |      |

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
 Applies only if maximum permissible exposure values are listed here.

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

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:  
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:  
 Protective nitrile gloves (EN 374)  
 Minimum layer thickness in mm:  
 >= 0,4  
 Permeation time (penetration time) in minutes:  
 >= 480  
 The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.  
 The recommended maximum wearing time is 50% of breakthrough time.  
 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 A P 3 (EN 14387), code colour brown, white  
 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, Substance: Liquid   |
| Colour:                                  | Light brown  |
| Odour:                                   | Characteristic   |
| Odour threshold:                         | Not determined   |
| pH-value:                                | n.a.   |
| Melting point/freezing point:            | <-66 °C (ASTM D 97, Liquid concentrate )   |
| Initial boiling point and boiling range: | 176 °C (Liquid concentrate )   |
| Flash point:                             | 47 °C (Liquid concentrate )  |
| Flash point:                             | Enclosed space ignition test (UN RTDG, Manual of Tests and Criteria, Part III, 31.5): <= 300 g/m3 (deflagration density) |
| Flash point:                             | Enclosed space ignition test (UN RTDG, Manual of Tests and Criteria, Part III, 31.5): <= 300 s/m3 (time equivalent)      |
| Flash point:                             | Ignition distance test (UN RTDG, Manual of Tests and Criteria, Part III, 31.4): >= 75 cm                                 |
| Evaporation rate:                        | Not determined   |
| Flammability (solid, gas):               | Yes  |
| Lower explosive limit:                   | 0,6 Vol-% ((Particulars of main substances contained) )  |
| Upper explosive limit:                   | 8,0 Vol-% ((Particulars of main substances contained) )  |
| Vapour pressure:                         | 7,2 bar (20°C)   |
| Vapour pressure:                         | 9,4 bar (50°C)   |
| Vapour density (air = 1):                | Not determined   |
| Density:                                 | 0,817 g/ml (Liquid concentrate )   |
| Bulk density:                            | n.a.   |
| Solubility(ies):                         | Not determined   |
| Water solubility:                        | Insoluble  |
| Partition coefficient (n-octanol/water): | Not determined   |
| Auto-ignition temperature:               | Not determined   |
| Decomposition temperature:               | Not determined   |
| Viscosity:                               | <1 cSt   |
| Explosive properties:                    | Not determined   |
| Oxidising properties:                    | No   |
| <b>9.2 Other information</b>             |  |
| Miscibility:                             | Not determined   |
| Fat solubility / solvent:                | Not determined   |
| Conductivity:                            | Not determined   |
| Surface tension:                         | Not determined   |
| Solvents content:                        | Not determined   |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

Pressurized container:

protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

### 10.5 Incompatible materials

See also section 7.

Avoid contact with strong oxidizing agents.

### 10.6 Hazardous decomposition products

See also Subsection 10.1 to 10.5.

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

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

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

#### 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:                              | LC50     | >5000 | mg/m <sup>3</sup> /8h | 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:                                     |          |       |                       |            | OECD 471 (Bacterial Reverse Mutation Test)                     | Negative, Analogous conclusion                                     |
| Carcinogenicity:  |          |       |                       |            | OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)   | Negative, Analogous conclusion                                     |
| Reproductive toxicity:                                      |          |       |                       |            | OECD 414 (Prenatal Developmental Toxicity Study)               | Negative, Analogous conclusion                                     |
| Specific target organ toxicity - single exposure (STOT-SE): |          |       |                       |            |  | May cause drowsiness or dizziness.                                 |
| Aspiration hazard:  |          |       |                       |            |  | Yes  |
| Repeated dose toxicity:                                     |          |       |                       |            | OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) | Not to be expected   |
| Symptoms:   |          |       |                       |            |  | unconsciousness, headaches, dizziness, reddening of the skin       |

#### Carbon dioxide



| Toxicity/effect | Endpoint | Value | Unit | Organism | Test method | Notes  |
|-----------------|----------|-------|------|----------|-------------|--|
| Symptoms:       |          |       |      |          |             | unconsciousness, blisters by skin-contact, vomiting, frostbite, annoyance, palpitations, itching, headaches, cramps, ear noises, dizziness |

## SECTION 12: Ecological information

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

### WD-40® MULTI-USE PRODUCT - [Aerosol]

| Toxicity/effect                    | Endpoint | Time | Value       | Unit | Organism | Test method  | Notes                                   |
|------------------------------------|----------|------|-------------|------|----------|--|---|
| Toxicity to fish:                  |          |      |             |      |          |  | n.d.a.                                  |
| Toxicity to daphnia:               |          |      |             |      |          |  | n.d.a.                                  |
| Toxicity to algae:                 |          |      |             |      |          |  | n.d.a.                                  |
| Persistence and degradability:     |          | 28d  | >20-<br><60 | %    |          | OECD 310 (Ready Biodegradability - CO2 in sealed vessels (Headspace Test)) | Not readily but inherent biodegradable. |
| Bioaccumulative potential:         |          |      |             |      |          |  | n.d.a.                                  |
| Mobility in soil:                  |          |      |             |      |          |  | n.d.a.                                  |
| Results of PBT and vPvB assessment |          |      |             |      |          |  | n.d.a.                                  |
| Other adverse effects:             |          |      |             |      |          |  | n.d.a.                                  |

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

| Toxicity/effect                | Endpoint | Time | Value | Unit | Organism                         | Test method  | Notes                 |
|--------------------------------|----------|------|-------|------|----------------------------------|--|-----------------------|
| Toxicity to fish:              | LC50     | 96h  | >1000 | mg/l | Oncorhynchus mykiss              | OECD 203 (Fish, Acute Toxicity Test)                               |                       |
| Toxicity to fish:              | NOELR    | 28d  | 0,13  | mg/l | Oncorhynchus mykiss              | QSAR   |                       |
| Toxicity to daphnia:           | EC50     | 48h  | >1000 | mg/l | Daphnia magna                    | OECD 202 (Daphnia sp. Acute Immobilisation Test)                   |                       |
| Toxicity to daphnia:           | NOELR    | 21d  | 0,23  | mg/l | Daphnia magna                    | QSAR   |                       |
| Toxicity to algae:             | ErC50    | 72h  | >1000 | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test)                            |                       |
| Toxicity to algae:             | EbC50    | 72h  | >1000 | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test)                            |                       |
| Toxicity to algae:             | NOELR    | 72h  | 100   | mg/l | Raphidocelis subcapitata         | OECD 201 (Alga, Growth Inhibition Test)                            |                       |
| Toxicity to algae:             | NOELR    | 72h  | 100   | mg/l | Raphidocelis subcapitata         | OECD 201 (Alga, Growth Inhibition Test)                            | groth rate            |
| Toxicity to algae:             | NOELR    | 72h  | 3     | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test)                            |                       |
| Persistence and degradability: |          | 28d  | 80    | %    |                                  | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Readily biodegradable |

Page 10 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 26.08.2014 / 0002  
 Replaces revision of / Version: 30.04.2014 / 0001  
 Valid from: 26.08.2014  
 PDF print date: 05.09.2014  
 WD-40® MULTI-USE PRODUCT - [Aerosol]

|                                    |  |  |  |  |  |  |                                     |
|------------------------------------|--|--|--|--|--|--|-------------------------------------|
| Results of PBT and vPvB assessment |  |  |  |  |  |  | No PBT substance, No vPvB substance |
|------------------------------------|--|--|--|--|--|--|-------------------------------------|

| Carbon dioxide         |          |      |       |      |          |             |                   |
|------------------------|----------|------|-------|------|----------|-------------|-------------------|
| Toxicity/effect        | Endpoint | Time | Value | Unit | Organism | Test method | Notes             |
| Other adverse effects: |          |      |       |      |          |             | Greenhouse effect |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.  
 Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)  
 16 05 04 gases in pressure containers (including halons) containing dangerous substances  
 Recommendation:

Pay attention to local and national official regulations  
 E.g. suitable incineration plant.

#### For contaminated packing material

Pay attention to local and national official regulations  
 15 01 04 metallic packaging  
 15 01 01 paper and cardboard packaging  
 Dispose using dual system.

## SECTION 14: Transport information

### General statements

UN number: 1950

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

UN proper shipping name: AEROSOLS  
 UN 1950 AEROSOLS  
 Transport hazard class(es): 2.1  
 Packing group: -  
 Classification code: 5F  
 LQ (ADR 2013): 1 L  
 LQ (ADR 2009): 2  
 Environmental hazards: Not applicable  
 Tunnel restriction code: D



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

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



#### Transport by air (IATA)

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



### Special precautions for user

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

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

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

## SECTION 15: Regulatory information

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

Revised on / Version: 26.08.2014 / 0002

Replaces revision of / Version: 30.04.2014 / 0001

Valid from: 26.08.2014

PDF print date: 05.09.2014

WD-40® MULTI-USE PRODUCT - [Aerosol]

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

For classification and labelling see Section 2.

Observe restrictions: Yes

Comply with trade association/occupational health regulations.

Observe youth employment law (German regulation).

Directive 2010/75/EU (VOC): ~ 65,5 %

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

These details refer to the product as it is delivered.

EUF0002

Revised sections: n.a.

### 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                             |
|---|--|
| STOT SE 3, H336   | Classification according to calculation procedure. |
| Aerosol 1, H222   | Classification based on test data.                 |
| Asp. Tox. 1, H304   | Classification according to calculation procedure. |
| Aerosol 1, H229   | Classification based on test data.                 |

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

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

H226 Flammable liquid and vapour.

--- ---

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

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

Aerosol — Aerosols

Asp. Tox. — Aspiration hazard

Flam. Liq. — Flammable liquid

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

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

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

AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

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

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

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

BCF Bioconcentration factor

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

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

BMGV Biological monitoring guidance value (EH40, UK)

BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum

bw body weight  
CAS Chemical Abstracts Service  
CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids  
CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques  
CIPAC Collaborative International Pesticides Analytical Council  
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
CMR carcinogenic, mutagenic, reproductive toxic  
COD Chemical oxygen demand  
CTFA Cosmetic, Toiletry, and Fragrance Association  
DMEL Derived Minimum Effect Level  
DNEL Derived No Effect Level  
DOC Dissolved organic carbon  
DT50 Dwell Time - 50% reduction of start concentration  
DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)  
dw dry weight  
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance  
EC European Community  
ECHA European Chemicals Agency  
EEA European Economic Area  
EEC European Economic Community  
EINECS European Inventory of Existing Commercial Chemical Substances  
ELINCS European List of Notified Chemical Substances  
EN European Norms  
EPA United States Environmental Protection Agency (United States of America)  
ERC Environmental Release Categories  
ES Exposure scenario  
etc. et cetera  
EU European Union  
EWC European Waste Catalogue  
Fax. Fax number  
gen. general  
GHS Globally Harmonized System of Classification and Labelling of Chemicals  
GWP Global warming potential  
HET-CAM Hen's Egg Test - Chorionallantoic Membrane  
HGWP Halocarbon Global Warming Potential  
IARC International Agency for Research on Cancer  
IATA International Air Transport Association  
IBC Intermediate Bulk Container  
IBC (Code) International Bulk Chemical (Code)  
IC Inhibitory concentration  
IMDG-code International Maritime Code for Dangerous Goods  
incl. including, inclusive  
IUCLID International Uniform Chemical Information Database  
LC lethal concentration  
LC50 lethal concentration 50 percent kill  
LCLo lowest published lethal concentration  
LD Lethal Dose of a chemical  
LD50 Lethal Dose, 50% kill  
LDLo Lethal Dose Low  
LOAEL Lowest Observed Adverse Effect Level  
LOEC Lowest Observed Effect Concentration  
LOEL Lowest Observed Effect Level  
LQ Limited Quantities  
MARPOL International Convention for the Prevention of Marine Pollution from Ships  
n.a. not applicable  
n.av. not available  
n.c. not checked  
n.d.a. no data available  
NIOSH National Institute of Occupational Safety and Health (United States of America)  
NOAEC No Observed Adverse Effective Concentration  
NOAEL No Observed Adverse Effect Level  
NOEC No Observed Effect Concentration  
NOEL No Observed Effect Level  
ODP Ozone Depletion Potential  
OECD Organisation for Economic Co-operation and Development  
org. organic  
PAH polycyclic aromatic hydrocarbon  
PBT persistent, bioaccumulative and toxic

PC Chemical product category  
PE Polyethylene  
PNEC Predicted No Effect Concentration  
POCP Photochemical ozone creation potential  
ppm parts per million  
PROC Process category  
PTFE Polytetrafluorethylene  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
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)  
SADT Self-Accelerating Decomposition Temperature  
SAR Structure Activity Relationship  
SU Sector of use  
SVHC Substances of Very High Concern  
Tel. Telephone  
ThOD Theoretical oxygen demand  
TOC Total organic carbon  
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)  
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))  
VOC Volatile organic compounds  
vPvB very persistent and very bioaccumulative  
WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).  
WHO World Health Organization  
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:

**Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90**

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.