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 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 10.07.2015 / 0002  
 Replacing version dated / version: 30.01.2014 / 0001  
 Valid from: 10.07.2015  
 PDF print date: 11.08.2015  
 WD-40® Specialist® Long Lasting Spray Grease

## 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® Long Lasting Spray Grease**

#### 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

WD-40 Company Limited, PO Box 440, Kiln Farm, Milton Keynes, MK11 3LF, United Kingdom  
 Phone: +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, Ireland  
 Phone: 01-832 0006, Fax: 01-832 0016  
[web@team.ie](mailto:web@team.ie)

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

#### 1.4 Emergency telephone number

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

IRL

National Poisons Information Centre, Beaumont Hospital, Dublin 9, Ireland, Tel.:  
 (+353) 01 809 2166 (Public Poisons Info Line, 8am-10pm, 7 days a week)  
 (+353) 01 837 9964 or 01 809 2566 (Info for Healthcare Professionals ONLY, 24 h)

**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

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

| Hazard class    | Hazard category | Hazard statement                                        |
|-----------------|-----------------|---------------------------------------------------------|
| Skin Irrit.     | 2               | H315-Causes skin irritation.                            |
| Aquatic Chronic | 3               | H412-Harmful to aquatic life with long lasting effects. |
| 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

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H315-Causes skin irritation. H412-Harmful to aquatic life with long lasting effects. 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. P273-Avoid release to the environment. P280-Wear protective gloves.  
 P332+P313-If skin irritation occurs: Get medical advice/attention.  
 P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
 P501-Dispose of contents/container safely.

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

## 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.

## REGULATION (EC) No 648/2004

n.a.

## SECTION 3: Composition/information on ingredients

Aerosol

### 3.1 Substance

n.a.

### 3.2 Mixture

| Naphtha (petroleum), hydrotreated light                     |                                                                                                              |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Registration number (REACH)                                 | --                                                                                                           |
| Index                                                       | 649-328-00-1                                                                                                 |
| EINECS, ELINCS, NLP                                         | 265-151-9                                                                                                    |
| CAS                                                         | 64742-49-0                                                                                                   |
| content %                                                   | 2,5-<15                                                                                                      |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Aquatic Chronic 2, H411<br>Asp. Tox. 1, H304<br>STOT SE 3, H336 |

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics |                                                            |
|----------------------------------------------------------------------|------------------------------------------------------------|
| Registration number (REACH)                                          | 01-2119463258-33-XXXX                                      |
| Index                                                                | ---                                                        |
| EINECS, ELINCS, NLP                                                  | 919-857-5 (REACH-IT List-No.)                              |
| CAS                                                                  | ---                                                        |
| content %                                                            | 1-<10                                                      |
| Classification according to Regulation (EC) 1272/2008 (CLP)          | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H336 |

| Zinc alkyl dithiophosphate                                  |                                               |
|-------------------------------------------------------------|-----------------------------------------------|
| Registration number (REACH)                                 | --                                            |
| Index                                                       | ---                                           |
| EINECS, ELINCS, NLP                                         | 272-028-3                                     |
| CAS                                                         | 68649-42-3                                    |
| content %                                                   | 0,1-<1                                        |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411 |

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

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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.  
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

#### 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.  
Watering eyes

#### Ingestion

Typically no exposure pathway.  
Rinse the mouth thoroughly with water.  
Do not induce vomiting. Consult doctor immediately.

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

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

The following may occur:

Irritation of the eyes  
with long-term contact:  
Drying of the skin.  
Dermatitis (skin inflammation)  
At high concentrations:  
Irritation of the respiratory tract  
Coughing  
Dizziness  
Headaches  
Effect on the central nervous system  
Coordination disorders  
Unconsciousness  
Ingestion of large quantities:  
Nausea  
Vomiting  
Danger of aspiration  
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

n.c.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

CO<sub>2</sub>  
Exinction powder  
Water jet spray  
Large fire:  
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

Toxic gases

Danger of bursting (explosion) when heated

Explosive vapour/air mixture

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

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 contact with eyes or skin.

If applicable, caution - risk of slipping.

### 6.2 Environmental precautions

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

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

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.

Keep away from sources of ignition - Do not smoke.

Take measures against electrostatic charging, if appropriate.

Do not use on hot surfaces.

Avoid contact with eyes or skin.

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.

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Do not store with oxidizing agents.

Observe special regulations for aerosols!

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

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

Store in a well ventilated place.

Store in a dry place.

### 7.3 Specific end use(s)

No information available at present.

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

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

|       |                                                                                                                                                                 |                                                                                                                                                                                          |                   |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| (GB)  | <b>Chemical Name</b>                                                                                                                                            | Naphtha (petroleum), hydrotreated light                                                                                                                                                  | Content %:2,5-<15 |
|       | WEL-TWA: 1200 mg/m <sup>3</sup> (>= C7 normal and branched chain alkanes)                                                                                       | WEL-STEL: ---                                                                                                                                                                            | ---               |
|       | Monitoring procedures:                                                                                                                                          | <ul style="list-style-type: none"> <li>- Draeger - Hydrocarbons 2/a (81 03 581)</li> <li>- Draeger - Hydrocarbons 0,1%/c (81 03 571)</li> <li>- Compur - KITA-187 S (551 174)</li> </ul> |                   |
|       | BMGV: ---                                                                                                                                                       | Other information: ---                                                                                                                                                                   |                   |
| (IRL) | <b>Chemical Name</b>                                                                                                                                            | Naphtha (petroleum), hydrotreated light                                                                                                                                                  | Content %:2,5-<15 |
|       | OELV-8h: 600 mg/m <sup>3</sup> (AGW)                                                                                                                            | OELV-15min: 2(lI) (AGW)                                                                                                                                                                  | ---               |
|       | Monitoring procedures:                                                                                                                                          | <ul style="list-style-type: none"> <li>- Draeger - Hydrocarbons 2/a (81 03 581)</li> <li>- Draeger - Hydrocarbons 0,1%/c (81 03 571)</li> <li>- Compur - KITA-187 S (551 174)</li> </ul> |                   |
|       | BLV: ---                                                                                                                                                        | Other information: ---                                                                                                                                                                   |                   |
| (GB)  | <b>Chemical Name</b>                                                                                                                                            | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics                                                                                                                     | Content %:1-<10   |
|       | WEL-TWA: 800 mg/m <sup>3</sup>                                                                                                                                  | WEL-STEL: ---                                                                                                                                                                            | ---               |
|       | Monitoring procedures:                                                                                                                                          | <ul style="list-style-type: none"> <li>- Draeger - Hydrocarbons 2/a (81 03 581)</li> <li>- Draeger - Hydrocarbons 0,1%/c (81 03 571)</li> <li>- Compur - KITA-187 S (551 174)</li> </ul> |                   |
|       | BMGV: ---                                                                                                                                                       | Other information: (WEL acc. to RCP-method, EH40)                                                                                                                                        |                   |
| (IRL) | <b>Chemical Name</b>                                                                                                                                            | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics                                                                                                                     | Content %:1-<10   |
|       | OELV-8h: 100 ppm (573 mg/m <sup>3</sup> ) (White Spirit )                                                                                                       | OELV-15min: 125 ppm (720 mg/m <sup>3</sup> ) (White Spirit )                                                                                                                             | ---               |
|       | Monitoring procedures:                                                                                                                                          | <ul style="list-style-type: none"> <li>- Draeger - Hydrocarbons 2/a (81 03 581)</li> <li>- Draeger - Hydrocarbons 0,1%/c (81 03 571)</li> <li>- Compur - KITA-187 S (551 174)</li> </ul> |                   |
|       | BLV: ---                                                                                                                                                        | Other information: ---                                                                                                                                                                   |                   |
| (GB)  | <b>Chemical Name</b>                                                                                                                                            | Oil mist, mineral                                                                                                                                                                        | Content %:        |
|       | WEL-TWA: 5 mg/m <sup>3</sup> (ACGIH)                                                                                                                            | WEL-STEL: 10 mg/m <sup>3</sup> (ACGIH)                                                                                                                                                   | ---               |
|       | Monitoring procedures:                                                                                                                                          | <ul style="list-style-type: none"> <li>- Draeger - Oil 10/a-P (67 28 371)</li> <li>- Draeger - Oil Mist 1/a (67 33 031)</li> </ul>                                                       |                   |
|       | BMGV: ---                                                                                                                                                       | Other information: ---                                                                                                                                                                   |                   |
| (IRL) | <b>Chemical Name</b>                                                                                                                                            | Oil mist, mineral                                                                                                                                                                        | Content %:        |
|       | OELV-8h: 0,2 mg/m <sup>3</sup> (Mineral oil, used in metal working (inhalable)), 5 mg/m <sup>3</sup> (Mineral oil, pure, highly & severely refined (inhalable)) | OELV-15min: ---                                                                                                                                                                          | ---               |
|       | Monitoring procedures:                                                                                                                                          | <ul style="list-style-type: none"> <li>- Draeger - Oil 10/a-P (67 28 371)</li> <li>- Draeger - Oil Mist 1/a (67 33 031)</li> </ul>                                                       |                   |
|       | BLV: ---                                                                                                                                                        | Other information: ---                                                                                                                                                                   |                   |
| (GB)  | <b>Chemical Name</b>                                                                                                                                            | Paraffin wax, fume                                                                                                                                                                       | Content %:        |
|       | WEL-TWA: 2 mg/m <sup>3</sup>                                                                                                                                    | WEL-STEL: 6 mg/m <sup>3</sup>                                                                                                                                                            | ---               |
|       | Monitoring procedures:                                                                                                                                          | ---                                                                                                                                                                                      |                   |
|       | BMGV: ---                                                                                                                                                       | Other information: ---                                                                                                                                                                   |                   |
| (IRL) | <b>Chemical Name</b>                                                                                                                                            | Paraffin wax, fume                                                                                                                                                                       | Content %:        |
|       | OELV-8h: 2 mg/m <sup>3</sup>                                                                                                                                    | OELV-15min: 6 mg/m <sup>3</sup>                                                                                                                                                          | ---               |
|       | Monitoring procedures:                                                                                                                                          | ---                                                                                                                                                                                      |                   |
|       | BLV: ---                                                                                                                                                        | Other information: ---                                                                                                                                                                   |                   |
| (GB)  | <b>Chemical Name</b>                                                                                                                                            | Propane                                                                                                                                                                                  | Content %:        |
|       | WEL-TWA: 1000 ppm (ACGIH)                                                                                                                                       | WEL-STEL: ---                                                                                                                                                                            | ---               |
|       | Monitoring procedures:                                                                                                                                          | <ul style="list-style-type: none"> <li>- Compur - KITA-125 SA (549 954)</li> </ul>                                                                                                       |                   |
|       | BMGV: ---                                                                                                                                                       | Other information: ---                                                                                                                                                                   |                   |
| (IRL) |                                                                                                                                                                 |                                                                                                                                                                                          |                   |

| Chemical Name                        | Propane                                 | Content %: |
|--------------------------------------|-----------------------------------------|------------|
| OELV-8h: 1000 ppm                    | OELV-15min: ---                         | ---        |
| Monitoring procedures:               | - Compur - KITA-125 SA (549 954)        |            |
| BLV: ---                             | Other information: Asphx                |            |
| Chemical Name                        | Butane                                  | Content %: |
| WEL-TWA: 600 ppm (1450 mg/m3)        | WEL-STEL: 750 ppm (1810 mg/m3)          | ---        |
| Monitoring procedures:               | - Compur - KITA-221 SA (549 459)        |            |
| BMGV: ---                            | Other information: ---                  |            |
| Chemical Name                        | Butane                                  | Content %: |
| OELV-8h: 1000 ppm                    | OELV-15min: ---                         | ---        |
| Monitoring procedures:               | - Compur - KITA-221 SA (549 459)        |            |
| BLV: ---                             | Other information: ---                  |            |
| Chemical Name                        | Isobutane                               | Content %: |
| WEL-TWA: 1000 ppm (ACGIH)            | WEL-STEL: ---                           | ---        |
| Monitoring procedures:               | - Compur - KITA-113 SB(C) (549 368)     |            |
| BMGV: ---                            | Other information: ---                  |            |
| Chemical Name                        | Isobutane                               | Content %: |
| OELV-8h: 1000 ppm (1800 mg/m3) (LPG) | OELV-15min: 1250 ppm (2250 mg/m3) (LPG) | ---        |
| Monitoring procedures:               | - Compur - KITA-113 SB(C) (549 368)     |            |
| BLV: ---                             | Other information: ---                  |            |

(GB) 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.

(IRL) 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.

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

Normally not necessary.

With long-term contact:

If applicable

Protective nitrile gloves (EN 374)

Minimum layer thickness in mm:

0,4

Permeation time (penetration time) in minutes:

&gt;=480

Protective gloves made of polyvinyl alcohol (EN 374)

Minimum layer thickness in mm:

1

Permeation time (penetration time) in minutes:

&gt;= 480

Protective Viton® / fluoroelastomer gloves (EN 374)

Minimum layer thickness in mm:

0,7

Permeation time (penetration time) in minutes:

&gt;= 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 A P2 (EN 14387), code colour brown, white

At high concentrations:

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

Observe wearing time limitations for respiratory protection equipment.

**Thermal hazards:**

Not applicable

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

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

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

**8.2.3 Environmental exposure controls**

No information available at present.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                                          |                                              |
|------------------------------------------|----------------------------------------------|
| Physical state:                          | Aerosol                                      |
| Colour:                                  | Brown                                        |
| Odour:                                   | Characteristic                               |
| Odour threshold:                         | Not determined                               |
| pH-value:                                | n.a.                                         |
| Melting point/freezing point:            | >55 °C (Active substance )                   |
| Initial boiling point and boiling range: | -40 - -2 °C (Propellant gas )                |
| Flash point:                             | -104 °C (Propellant gas )                    |
| Evaporation rate:                        | Not determined                               |
| Flammability (solid, gas):               | Not determined                               |
| Lower explosive limit:                   | 0,8 Vol-%                                    |
| Upper explosive limit:                   | 9 Vol-%                                      |
| Vapour pressure:                         | 590-1760 kPa (Propellant gas )               |
| Vapour density (air = 1):                | Not determined                               |
| Density:                                 | 0,8275 (relative density, Active substance ) |

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|                                          |                                   |
|------------------------------------------|-----------------------------------|
| 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:                               | 1320 cP (20°C, Active substance ) |
| Explosive properties:                    | Not determined                    |
| Oxidising properties:                    | No                                |

## 9.2 Other information

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

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

### 10.5 Incompatible materials

See also section 7.

Avoid contact with strong oxidizing agents.

### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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

| WD-40® Specialist® Long Lasting Spray Grease                  |              |       |      |          |             |                                                    |
|---------------------------------------------------------------|--------------|-------|------|----------|-------------|----------------------------------------------------|
| Toxicity / effect                                             | Endpoi<br>nt | 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.                                             |
| Other information:                                            |              |       |      |          |             | Classification according to calculation procedure. |



| <b>Naphtha (petroleum), hydrotreated light</b> |          |       |      |          |             |                                                                                                                                                      |
|------------------------------------------------|----------|-------|------|----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxicity / effect                              | Endpoint | Value | Unit | Organism | Test method | Notes                                                                                                                                                |
| Skin corrosion/irritation:                     |          |       |      |          |             | Repeated exposure may cause skin dryness or cracking.                                                                                                |
| Germ cell mutagenicity:                        |          |       |      |          |             | Negative                                                                                                                                             |
| Aspiration hazard:                             |          |       |      |          |             | Yes                                                                                                                                                  |
| Symptoms:                                      |          |       |      |          |             | drowsiness, unconsciousness, heart/circulatory disorders, headaches, cramps, drowsiness, mucous membrane irritation, dizziness, nausea and vomiting. |

| <b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b> |          |       |          |            |                                                                |                                                                     |
|--------------------------------------------------------------------------------|----------|-------|----------|------------|----------------------------------------------------------------|---------------------------------------------------------------------|
| Toxicity / effect                                                              | Endpoint | Value | Unit     | Organism   | Test method                                                    | Notes                                                               |
| Acute toxicity, by oral route:                                                 | LD50     | >5000 | mg/kg    | Rat        |                                                                |                                                                     |
| 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     |                                                                |                                                                     |
| Acute toxicity, by dermal route:                                               | LD50     | >5000 | mg/kg    | Rabbit     | OECD 402 (Acute Dermal Toxicity)                               |                                                                     |
| Acute toxicity, by inhalation:                                                 | LC50     | >5    | mg/l/4h  | Rat        |                                                                |                                                                     |
| Acute toxicity, by inhalation:                                                 | LC50     | >5000 | mg/m3/8h | 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                                                                 |
| Symptoms:                                                                      |          |       |          |            |                                                                | unconsciousness, headaches, dizziness, reddening of the skin        |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral:            |          |       |          |            | OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) | Not to be expected                                                  |

| <b>Zinc alkyl dithiophosphate</b>  |          |       |      |            |             |                                        |
|------------------------------------|----------|-------|------|------------|-------------|----------------------------------------|
| Toxicity / effect                  | Endpoint | Value | Unit | Organism   | Test method | Notes                                  |
| Respiratory or skin sensitisation: |          |       |      | Guinea pig |             | Not sensitizing                        |
| Symptoms:                          |          |       |      |            |             | drying of the skin., diarrhoea, nausea |

**Paraffin wax, fume**

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes     |
|-------------------|----------|-------|------|----------|-------------|-----------|
| Symptoms:         |          |       |      |          |             | diarrhoea |

**Propane**

| Toxicity / effect       | Endpoint | Value | Unit | Organism | Test method                                   | Notes                                                                                                                              |
|-------------------------|----------|-------|------|----------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Germ cell mutagenicity: |          |       |      |          | OECD 471<br>(Bacterial Reverse Mutation Test) | Negative                                                                                                                           |
| Symptoms:               |          |       |      |          |                                               | breathing difficulties, unconsciousness, frostbite, headaches, cramps, mucous membrane irritation, dizziness, nausea and vomiting. |

**Butane**

| Toxicity / effect              | Endpoint | Value | Unit    | Organism | Test method                                   | Notes                                                                                                                                                            |
|--------------------------------|----------|-------|---------|----------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity, by inhalation: | LC50     | 658   | mg/l/4h | Rat      |                                               |                                                                                                                                                                  |
| Germ cell mutagenicity:        |          |       |         |          | OECD 471<br>(Bacterial Reverse Mutation Test) | Negative                                                                                                                                                         |
| Symptoms:                      |          |       |         |          |                                               | ataxia, breathing difficulties, drowsiness, unconsciousness, frostbite, disturbed heart rhythm, headaches, cramps, intoxication, dizziness, nausea and vomiting. |

**Isobutane**

| Toxicity / effect              | Endpoint | Value | Unit    | Organism | Test method                                   | Notes                                                                          |
|--------------------------------|----------|-------|---------|----------|-----------------------------------------------|--------------------------------------------------------------------------------|
| Acute toxicity, by inhalation: | LC50     | 658   | mg/l/4h | Rat      |                                               |                                                                                |
| Serious eye damage/irritation: |          |       |         | Rabbit   |                                               | Not irritant                                                                   |
| Germ cell mutagenicity:        |          |       |         |          | OECD 471<br>(Bacterial Reverse Mutation Test) | Negative                                                                       |
| Symptoms:                      |          |       |         |          |                                               | unconsciousness, frostbite, headaches, cramps, dizziness, nausea and vomiting. |

**SECTION 12: Ecological information**

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

**WD-40® Specialist® Long Lasting Spray Grease**

| 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:     |          |      |       |      |          |             | n.d.a. |
| Bioaccumulative potential:         |          |      |       |      |          |             | n.d.a. |
| Mobility in soil:                  |          |      |       |      |          |             | n.d.a. |
| Results of PBT and vPvB assessment |          |      |       |      |          |             | n.d.a. |
| Other adverse effects:             |          |      |       |      |          |             | n.d.a. |

|                    |  |  |  |  |  |  |                                           |
|--------------------|--|--|--|--|--|--|-------------------------------------------|
| Other information: |  |  |  |  |  |  | According to the recipe, contains no AOX. |
|--------------------|--|--|--|--|--|--|-------------------------------------------|

| Naphtha (petroleum), hydrotreated light |          |      |         |      |               |             |       |
|-----------------------------------------|----------|------|---------|------|---------------|-------------|-------|
| Toxicity / effect                       | Endpoint | Time | Value   | Unit | Organism      | Test method | Notes |
| Toxicity to daphnia:                    | LC50     | 48h  | 3       | mg/l | Daphnia magna |             |       |
| Bioaccumulative potential:              | Log Pow  |      | 3,4-5,2 |      |               |             |       |

| 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:                                                    | LL50     | 96h  | >1000 | mg/l | Oncorhynchus mykiss              |                                                                    |                                     |
| 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:                                                   | EL50     | 72h  | >1000 | mg/l | Pseudokirchnerie lla subcapitata |                                                                    |                                     |
| 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  | 100   | mg/l | Pseudokirchnerie lla subcapitata |                                                                    |                                     |
| 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) |                                     |
| Persistence and degradability:                                       |          | 28d  | 80    | %    |                                  | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Readily biodegradable               |
| Results of PBT and vPvB assessment                                   |          |      |       |      |                                  |                                                                    | No PBT substance, No vPvB substance |

| Zinc alkyl dithiophosphate |          |      |       |      |                     |                                      |       |
|----------------------------|----------|------|-------|------|---------------------|--------------------------------------|-------|
| Toxicity / effect          | Endpoint | Time | Value | Unit | Organism            | Test method                          | Notes |
| Toxicity to fish:          | LC50     | 96h  | 1-35  | mg/l | Pimephales promelas | OECD 203 (Fish, Acute Toxicity Test) |       |
| Toxicity to daphnia:       | EC50     | 48h  | 1-1,5 | mg/l | Daphnia magna       |                                      |       |

|                       |      |    |       |      |                  |                                                                                                               |  |
|-----------------------|------|----|-------|------|------------------|---------------------------------------------------------------------------------------------------------------|--|
| Toxicity to bacteria: | EC50 | 3h | 11-36 | mg/l | activated sludge | OECD 209<br>(Activated<br>Sludge,<br>Respiration<br>Inhibition Test<br>(Carbon and<br>Ammonium<br>Oxidation)) |  |
|-----------------------|------|----|-------|------|------------------|---------------------------------------------------------------------------------------------------------------|--|

**Propane**

| Toxicity / effect                  | Endpoint | Time | Value | Unit | Organism | Test method | Notes                                                                           |
|------------------------------------|----------|------|-------|------|----------|-------------|---------------------------------------------------------------------------------|
| Bioaccumulative potential:         | Log Pow  |      | 2,28  |      |          |             | A notable biological accumulation potential is not to be expected (LogPow 1-3). |
| Results of PBT and vPvB assessment |          |      |       |      |          |             | No PBT substance, No vPvB substance                                             |

**Butane**

| Toxicity / effect                  | Endpoint | Time | Value | Unit | Organism | Test method | Notes                                                                           |
|------------------------------------|----------|------|-------|------|----------|-------------|---------------------------------------------------------------------------------|
| Bioaccumulative potential:         | Log Pow  |      | 2,98  |      |          |             | A notable biological accumulation potential is not to be expected (LogPow 1-3). |
| Results of PBT and vPvB assessment |          |      |       |      |          |             | No PBT substance, No vPvB substance                                             |

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

EC disposal code no.:

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

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

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

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

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Take full aerosol cans to problem waste collection.

Take emptied aerosol cans to valuable material collection.

**For contaminated packing material**

Pay attention to local and national official regulations.

15 01 04 metallic packaging

15 01 10 packaging containing residues of or contaminated by hazardous substances

Do not perforate, cut up or weld uncleaned container.

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

UN number:

1950

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

UN proper shipping name:

UN 1950 AEROSOLS

Transport hazard class(es):

2.1

Packing group:

-

Classification code:

5F

LQ (ADR 2015):

1 L

Environmental hazards:

Not applicable

Tunnel restriction code:

D

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

UN proper shipping name:

AEROSOLS



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 Valid from: 10.07.2015  
 PDF print date: 11.08.2015  
 WD-40® Specialist® Long Lasting Spray Grease

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 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

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

National rules/regulation for the compliance with maximum quantities with regard to phosphates and or phosphorous compounds must be observed and complied with.

For classification and labelling see Section 2.

Observe restrictions:

Comply with trade association/occupational health regulations.

Observe youth employment law (German regulation).

Directive 2010/75/EU (VOC): ~ 67 %

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

F00169

Revised sections: 1 - 16

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

Employee training in handling dangerous goods 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                             |
|-----------------------------------------------------------------------|----------------------------------------------------|
| Skin Irrit. 2, H315                                                   | Classification according to calculation procedure. |
| Aquatic Chronic 3, H412                                               | Classification according to calculation procedure. |
| Aerosol 1, H222                                                       | Classification based on test data.                 |
| Aerosol 1, H229                                                       | Classification based on test data.                 |

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).

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Skin Irrit. — Skin irritation

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Aerosol — Aerosols

Flam. Liq. — Flammable liquid

Asp. Tox. — Aspiration hazard

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

Eye Irrit. — Eye irritation

**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**

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WD-40® Specialist® Long Lasting Spray Grease

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