

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

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

#### Identification of the substance or mixture / Product identifier

#### 3-IN-ONE Professional High Performance Lubricant

#### Use of the substance/mixture

Lubricant

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

n.av.

#### Uses advised against:

n.av.

#### Company/undertaking identification / Details of the supplier of the safety data sheet

WD40 Company Limited UK, PO Box 440 , Kiln Farm, Milton Keynes, MK11 3LF

Telephone 01908 555400, Fax 01908 266900

info@wd40.co.uk

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

#### Emergency telephone

#### Advisory office in case of poisoning:

Tel.:

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

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

### SECTION 2: Hazards identification

#### To people

See section 11 and 15.

The mixture is classified as dangerous in the terms of the directive 1999/45/EC.

Extremely flammable

66 Repeated exposure may cause skin dryness or cracking.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition - No smoking.

Keep out of the reach of children.

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

May produce an allergic reaction.

#### To the environment

See section 12.

### REGULATION (EC) No 648/2004

n.a.

### SECTION 3: Composition/information on ingredients

Aerosol

#### 3.1 Substance

n.a.

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### 3.2 Mixture

|  |                |
|--|----------------|
| <b>Naphtha (petroleum), hydrotreated heavy</b>           |                |
| <b>Registration number (ECHA)</b>                        | -              |
| <b>Index</b>   | 649-327-00-6   |
| <b>EINECS, ELINCS</b>                                    | 265-150-3      |
| <b>CAS</b>   | CAS 64742-48-9 |
| <b>content %</b>   | 20-30          |
| <b>Symbol</b>  | Xn             |
| <b>R-phrases</b>   | 65-66          |
| <b>Classification categories / Indications of danger</b> | Harmful        |

|  |                    |
|--|--------------------|
| <b>Naphtha (petroleum), hydrotreated heavy</b>           |                    |
| <b>Registration number (ECHA)</b>                        | -                  |
| <b>Index</b>   | 649-327-00-6       |
| <b>EINECS, ELINCS</b>                                    | 265-150-3          |
| <b>CAS</b>   | CAS 64742-48-9     |
| <b>content %</b>   | 10-20              |
| <b>Symbol</b>  | Xn                 |
| <b>R-phrases</b>   | 10-65-66           |
| <b>Classification categories / Indications of danger</b> | Flammable, Harmful |

|  |   |
|--|---|
| <b>(R)-p-mentha-1,8-diene</b>                            |   |
| <b>Registration number (ECHA)</b>                        | -   |
| <b>Index</b>   | 601-029-00-7  |
| <b>EINECS, ELINCS</b>                                    | 227-813-5   |
| <b>CAS</b>   | CAS 5989-27-5   |
| <b>content %</b>   | 0,1-<1  |
| <b>Symbol</b>  | Xi/N  |
| <b>R-phrases</b>   | 10-38-43-50-53  |
| <b>Classification categories / Indications of danger</b> | Dangerous for the environment, Flammable, Irritant, Sensitizing |

For complete wording of the R-phrases / H-phrases (GHS/CLP), refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Remove person from danger area.

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

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

#### Skin contact

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

#### Eye contact

Remove contact lenses.

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

#### Ingestion

Typically no exposure pathway.

Rinse the mouth thoroughly with water.

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

Danger of aspiration

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

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

n.av.

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

Indications for the physician:

Gastric lavage (stomach washing) only under endotracheal intubation.

Subsequent observation for pneumonia and pulmonary oedema.

Pulmonary oedema prophylaxis

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

CO<sub>2</sub>

Extinction powder

Water jet spray

Alcohol resistant foam

#### Unsuitable extinguishing media

High volume water jet

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

In case of fire the following can develop:

Oxides of carbon

Toxic pyrolysis products.

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 inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping

### 6.2 Environmental precautions

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

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

If accidental entry into drainage system occurs, inform responsible authorities.

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

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

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

Active substance:

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

### 6.4 Reference to other sections

Refer to section 13. and for personal protection refer to section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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

Ensure good ventilation.

Avoid inhalation of the vapours.

Avoid contact with eyes or skin.

Keep away from sources of ignition - Do not smoke.

Take measures against electrostatic charging, if appropriate.

Do not use on hot surfaces.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

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

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Do not store with flammable or self-igniting materials.

Observe special regulations for aerosols!

Store cool

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

Store in a well ventilated place.

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

### 7.3 Specific end use(s)

n.av.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| GB | Chemical Name  | Naphtha (petroleum), hydrotreated heavy                         | Content %:20-30 |
|----|--|---|-----------------|
|    | WEL-TWA: 1200 mg/m3 (normal and branched chain >= C7) (WEL), 600 mg/m3 (AGW) | WEL-STEL: 2(II) (AGW)   | ---             |
|    | BMGV: ---  | Other information: ---  |                 |
| GB | Chemical Name  | Naphtha (petroleum), hydrotreated heavy                         | Content %:10-20 |
|    | WEL-TWA: 1200 mg/m3 (normal and branched chain >= C7) (WEL), 600 mg/m3 (AGW) | WEL-STEL: 2(II) (AGW)   | ---             |
|    | BMGV: ---  | Other information: ---  |                 |
| GB | Chemical Name  | Petroleum gases, liquified                                      | Content %:      |
|    | WEL-TWA: 1000 ppm (1750 mg/m3) (Liquefied petroleum gas (LPG))               | WEL-STEL: 1250 ppm (2180 mg/m3) (Liquefied petroleum gas (LPG)) | ---             |
|    | BMGV: ---  | Other information: ---  |                 |
| GB | Chemical Name  | Oil mist, mineral   | Content %:      |
|    | WEL-TWA: 5 mg/m3 (ACGIH)   | WEL-STEL: 10 mg/m3 (ACGIH)                                      | ---             |
|    | BMGV: ---  | Other information: ---  |                 |
| GB | Chemical Name  | Paraffin wax, fume  | Content %:      |
|    | WEL-TWA: 2 mg/m3   | WEL-STEL: 6 mg/m3   | ---             |
|    | BMGV: ---  | 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.

### 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 eating areas.

Eye/face protection:

With danger of contact with eyes.

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

Skin protection - Hand protection:

Normally not necessary.

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with long-term contact:

If applicable

Protective nitrile gloves (EN 374)

Protective gloves made of polyvinyl alcohol (EN 374)

Protective Viton gloves (EN 374)

Protective hand cream recommended.

Skin protection - Other:

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

Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded.

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

At high concentrations:

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

Observe wearing time limitations for respiratory protection equipment.

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

Selection made for mixtures according to the best available knowledge and information on the ingredients.

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 calculated in advance so it has to 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

n.av.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                |
|---|----------------|
| Physical state:   | Aerosol        |
| Colour:   | Light yellow   |
| Odour:  | Characteristic |
| pH-value undiluted:   | n.a.           |
| Initial boiling point and boiling range (°C):                       | n.a.           |
| Melting point/freezing point (°C):                                  | Not determined |
| Flash point (°C):   | n.a.           |
| Oxidising properties:   | No             |
| Lower explosive limit:  | 0,8 Vol%       |
| Upper explosive limit:  | 9,0 Vol%       |
| Product is not explosive.   |                |
| Possible build up of explosive/highly flammable vapour/air mixture. |                |
| Vapour pressure:  | Not determined |
| Density (g/ml):   | Not determined |
| Water solubility:   | Insoluble      |
| Viscosity:  | Not determined |

## SECTION 10: Stability and reactivity

### Conditions to avoid

See section 7

Stable when handled and stored correctly.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

### Materials to avoid

Avoid contact with strong oxidizing agents.

### Hazardous decomposition products

No decomposition when used as directed.

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## SECTION 11: Toxicological information

### Acute toxicity and immediate effects

|  |               |
|--|---------------|
| Ingestion, LD50 rat oral (mg/kg):      | n.av.         |
| Inhalation, LC50 rat inhal.(mg/l/4h):  | n.av.         |
| Skin contact, LD50 rat dermal (mg/kg): | See point 15. |
| Eye contact:                           | n.av.         |

### Delayed and chronic effects

|                        |      |
|------------------------|------|
| Sensitization:         | n.c. |
| Carcinogenicity:       | n.c. |
| Mutagenicity:          | n.c. |
| Reproductive toxicity: | n.c. |
| Narcosis:              | n.c. |

### Further information

The product was not tested.

Classification according to calculation procedure.

The following may occur:

Irritation of the eyes

Irritation of the respiratory tract

Coughing

Headaches

Dizziness

Effects/damages the central nervous system

Unconsciousness

With long-term contact:

Drying of the skin.

Dermatitis (skin inflammation)

Sensitive individuals:

Allergic reaction possible.

Ingestion:

Nausea

Vomiting

Danger of aspiration

Oedema of the lungs

chemical pneumonitis (condition similar to pneumonia)

Other dangerous properties cannot be ruled out.

## SECTION 12: Ecological information

The product was not tested.

Persistence and degradability: n.av.

Behaviour in sewage plants: Isolate as much as possible with an oil separator.

According to the recipe, contains no AOX.

Aquatic toxicity: n.av.

Ecological toxicity: n.av.

Mobility: n.av.

Accumulation: n.av.

Results of PBT assessment

n.av.

Other adverse effects: n.av.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### For the material / mixture / residue

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)

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

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

### For contaminated packing material

Pay attention to local and national official regulations

Recommendation:

Do not perforate, cut up or weld uncleaned container.

Recycling

15 01 04 metallic packaging

## SECTION 14: Transport information

### General statements

UN-Number: 1950

### Road/Rail-transport (ADR/RID)

Class/packing group: 2/-

UN 1950 AEROSOLS

Classification code: 5F

LQ (ADR 2009): 2

Tunnel restriction code: D

### Transport by sea

IMDG-code: 2.1/- (class/packing group)

EmS: F-D, S-U

Marine Pollutant: n.a

AEROSOLS

### Transport by air

IATA: 2.1/-/ (class/secondary danger/packing group)

Aerosols, flammable

### Additional information:

Danger code and packing code on request.



## SECTION 15: Regulatory information

### Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)



Symbols: F+

Indications of danger:

Extremely flammable

R-phrases:

66 Repeated exposure may cause skin dryness or cracking.

S-phrases:

23 Do not breathe vapour/spray.

24/25 Avoid contact with skin and eyes.

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

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

51 Use only in well-ventilated areas.

Additions:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition - No smoking.

Keep out of the reach of children.

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

Contains

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

May produce an allergic reaction.

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Observe restrictions: Yes

Observe youth employment law (German regulation).

Regulation (EC) No 1907/2006, Annex XVII.

**VOC (1999/13/EC):** ~72% w/w

## SECTION 16: Other information

These details refer to the product as it is delivered.

EU F0010

Revised sections: 3, 8, 15

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

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

10 Flammable.

38 Irritating to skin.

43 May cause sensitization by skin contact.

50 Very toxic to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

## Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference

period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

VOC = Volatile organic compounds

AOX = Adsorbable organic halogen compounds

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

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

**Chemical Check GmbH, Wöbbeler Straße 2-4, D-32839 Steinheim, Tel.: +49 5233 94 17 0, +49 1805-CHEMICAL / +49 180 52 43 642, Fax: +49 5233 94 17 90, +49 180 50 50 455**

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