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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 19.01.2011 / 0014  
Replaces revision of / Version: 29.09.2010 / 0013  
Valid from: 19.01.2011  
PDF print date: 03.02.2011  
WD-40

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

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

#### Product identifier

**WD-40**

#### Use of the substance/mixture

Lubricant  
Corrosion protection  
Rust remover

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

No information available at present.

#### Uses advised against:

No information available at present.

#### 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

#### 2.1 Classification of the substance or mixture

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

Not determined

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

Flammable, R10  
Xn, Harmful, R65  
R66

#### 2.2 Label elements

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

Not determined

##### 2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments).

Symbols: Xn

Indications of danger:

Harmful

R-phrases:

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.



**S-phrases:**

2 Keep out of the reach of children.

23 Do not breathe vapour/spray.

24 Avoid contact with skin.

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

51 Use only in well-ventilated areas.

62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Voluntary:**

16 Keep away from sources of ignition - No smoking.

3/9/14 Keep in a cool, well-ventilated place away from ... (incompatible materials to be indicated by the manufacturer).

**Additions:**

Naphtha (petroleum), hydrotreated heavy

**2.3 Other hazards**

The mixture contains no vPvB substance (vPvB = very persistent, very bioaccumulative).

The mixture contains no PBT substance (PBT = persistent, bioaccumulative, toxic).

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

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

Free from:

CFC

**3.1 Substance**

n.a.

**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>	60-80
<b>Symbol</b>	Xn
<b>R-phrases</b>	10-65-66
<b>Classification categories / Indications of danger</b>	Flammable, Harmful
<b>Hazard class/Hazard category</b>	<b>Hazard statement</b>
Flam. Liq./3	H226
Asp. Tox./1	H304

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

Respiratory arrest - Artificial respiration apparatus necessary.

**Skin contact**

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

**Eye contact**

Remove contact lenses.

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

**Ingestion**

Rinse the mouth thoroughly with water.

Consult doctor immediately - keep Data Sheet available.

Do not induce vomiting.

Danger of aspiration

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

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

Where relevant delayed occurring symptoms and effects will be found in section 11. or at the exposure routes under section 4.1.  
The following may occur:

Irritation of the eyes

Inhalation:

Headaches

Nausea

Dizziness

Irritation of the respiratory tract

Effects/damages the central nervous system

With long-term contact:

Dermatitis (skin inflammation)

Ingestion:

Nausea

Vomiting

Diarrhoea

Danger of aspiration

Chemical pneumonitis (condition similar to pneumonia)

## 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

Foam

CO<sub>2</sub>

Extinction powder

Cool container at risk with water.

### Unsuitable extinguishing media

Water

## 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Toxic pyrolysis products.

Explosive vapour/air mixture

Dangerous vapours heavier than air.

In case of spreading near the ground, flashback to distance sources of ignition is possible.

## 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

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

If leakage occurs, dam up.

Prevent from entering drainage system.

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

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

- Ensure good ventilation.
- Keep away from sources of ignition - Do not smoke.
- Take measures against electrostatic charging, if appropriate.
- Avoid contact with eyes or skin.
- Do not carry cleaning cloths soaked in product in trouser pockets.
- Observe directions on label and instructions for use.
- Use working methods according to operating instructions.
- 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

- 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 storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").
- Store in a dry place.
- Store cool

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Chemical Name	Naphtha (petroleum), hydrotreated heavy		Content %:60-80
WEL-TWA: 1200 mg/m3 (normal and branched chain >= C7) (WEL), 600 mg/m3 (AGW)	WEL-STEL: 2(II) (AGW)	---	
BMGV: ---	Other information: ---		
Chemical Name	Oil mist, mineral		Content %:
WEL-TWA: 5 mg/m3 (ACGIH)	WEL-STEL: 10 mg/m3 (ACGIH)	---	
BMGV: ---	Other information: ---		
Chemical Name	Paraffin wax, fume		Content %:
WEL-TWA: 2 mg/m3	WEL-STEL: 6 mg/m3	---	
BMGV: ---	Other information: ---		

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

### 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.

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Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Skin protection - Hand protection:  
 Protective nitrile gloves (EN 374)  
 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  
 Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:  
 If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

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:	Liquid
Colour:	Amber
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	<-66 °C (ASTM D 97)
Initial boiling point and boiling range:	176 °C ((760 mmHg) )
Flash point:	47 °C (Tag, open cup)
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	0,6 Vol-% (Naphtha (petroleum), hydrotreated heavy)
Upper explosive limit:	8,0 Vol-% (Naphtha (petroleum), hydrotreated heavy)
Vapour pressure:	Not determined
Vapour density (air = 1):	>1
Density:	0,817 g/ml (21°C)
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	<1 cSt
Explosive properties:	Possible build up of explosive/highly flammable vapour/air mixture., Product is not explosive.
Oxidising properties:	Not determined

### 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**

See also Subsection 10.4 to 10.6.  
 The product has not been tested.

**10.2 Chemical stability**

See also Subsection 10.4 to 10.6.  
 Stable with proper storage and handling.

**10.3 Possibility of hazardous reactions**

See also Subsection 10.4 to 10.6.  
 No decomposition if used as intended.

**10.4 Conditions to avoid**

See also section 7.  
 Heating, open flame, ignition sources

**10.5 Incompatible materials**

See also section 7.  
 Avoid contact with strong oxidizing agents.

**10.6 Hazardous decomposition products**

See also Subsection 10.4 to 10.6.  
 See also section 5.3  
 No decomposition when used as directed.

**SECTION 11: Toxicological information**

The product was not tested.  
 Classification according to calculation procedure.

WD-40						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:				---		n.d.a.
Acute toxicity, by dermal route:				---		n.d.a.
Acute toxicity, by inhalation:				---		n.d.a.
Skin corrosion/irritation:				---		n.d.a.
Serious eye damage/irritation:				---		n.d.a.
Respiratory or skin sensitisation:				---		n.d.a.
Germ cell mutagenicity:				---		n.d.a.
Carcinogenicity:				---		n.d.a.
Reproductive toxicity:				---		n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):				---		n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):				---		n.d.a.
Aspiration hazard:				---		n.d.a.
Respiratory tract irritation:				---		n.d.a.
Repeated dose toxicity:				---		n.d.a.
Symptoms:				---		n.d.a.

Naphtha (petroleum), hydrotreated heavy						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		



<b>Naphtha (petroleum), hydrotreated heavy</b>							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	>100	mg/l			
Toxicity to daphnia:	EC50	48h	>1000	mg/l	(Daphnia magna)		
Toxicity to algae:							n.d.a.
Persistence and degradability:		28d	70	%			
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.

<b>Paraffin wax, fume</b>							
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.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. 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)

13 02 05 mineral-based non-chlorinated engine, gear and lubricating oils

14 06 03 other solvents and solvent mixes

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

#### For contaminated packing material

Pay attention to local and national official regulations

15 01 04 metallic packaging

15 01 01 paper and cardboard packaging

Dispose using dual system.

## SECTION 14: Transport information

### General statements

UN number: 1268

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

UN proper shipping name:

UN 1268 PETROLEUM DISTILLATES, N.O.S.

Transport hazard class(es):

3

Packing group:

III

Classification code:

F1

LQ (ADR 2011):

5 L

LQ (ADR 2009):

7





Environmental hazards: Not applicable  
Tunnel restriction code: D/E

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

UN proper shipping name: PETROLEUM DISTILLATES, N.O.S.  
Transport hazard class(es): 3  
Packing group: III  
EmS: F-E, S-E  
Marine Pollutant: n.a.  
Environmental hazards: Not applicable

**Transport by air (IATA)**

UN proper shipping name: Petroleum distillates, n.o.s.  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: Not applicable

**Special precautions for user**

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

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

Freighted as packaged goods rather than in bulk, therefore not applicable.

**Additional information:**

Danger code and packing code on request.

## SECTION 15: Regulatory information

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

For classification and labelling see Section 2.

Observe restrictions: Yes

Observe youth employment law (German regulation).

Observe law on protection of expectant mothers (German regulation).

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

VOC (1999/13/EC): ~67,2% w/w

**15.2 Chemical safety assessment**

No information available at present.

## SECTION 16: Other information

These details refer to the product as it is delivered.

EUF0003

Revised sections: 1 - 16

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

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

Flam. Liq.-Flammable liquid

Asp. Tox.-Aspiration hazard

### 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

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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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