

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

WD-40

Use of the substance/mixture

Lubricant
Corrosion protection
Rust remover

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.:

Telephone number of the company in case of emergencies:

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

SECTION 2: Hazards identification

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

To people

See point 11 and 15.

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

To the environment

See point 12.

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

Naphtha (petroleum), hydrotreated heavy	
Registration number (ECHA)	-
Index	649-327-00-6
EINECS, ELINCS	265-150-3
CAS	CAS 64742-48-9

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content %	60 - 80
Symbol	Xn
R-phrases	10-65-66
Classification categories / Indications of danger	Flammable, Harmful

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

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

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam

CO2

Extinction powder

Cool container at risk with water.

Unsuitable extinguishing media

Water

5.2 Special hazards arising from the substance or mixture

combustion products, resulting gases

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

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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

Collect using absorbant material (e.g. Universal binding medium, sand, kieselguhr) and dispose of according to point 13.

6.4 Reference to other sections

Refer to point 13. and for personal protection refer to point 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.
 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.

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)

n.av.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

GB	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: ---		
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.

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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.

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.

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.

Skin protection - Hand protection:

Protective nitrile gloves (EN 374)

Protective hand cream recommended.

Eye/face protection:

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

Skin protection - Other:

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

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

Selection made for preparations 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 preparations 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:	Liquid
Colour:	Amber
Odour:	Characteristic
Initial boiling point and boiling range (°C):	176 (760 mmHg)
Melting point/freezing point (°C):	< -66 (ASTM D-97)
Flash point (°C):	47 (TOC Tag Open Cup)
Lower explosive limit:	0,6 Vol%*
Upper explosive limit:	8,0 Vol%*
Product is not explosive.	
Possible build up of explosive/highly flammable vapour/air mixture.	
Density (g/ml):	0,817 (21°C)
Water solubility:	Insoluble
Vapour density (air = 1):	> 1
Viscosity:	< 1 cSt
* Naphtha (petroleum), hydrotreated heavy	

SECTION 10: Stability and reactivity

Conditions to avoid

See point 7

Stable when handled and stored correctly.

Heating, open flame, ignition sources

Materials to avoid

See point 7

Avoid contact with strong oxidizing agents.

Hazardous decomposition products

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See point 5.3

No decomposition when used as directed.

SECTION 11: Toxicological information

Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):	> 5000, Active substance
Inhalation, LC50 rat inhal.(mg/l/4h):	n.av.
Skin contact, LD50 rat dermal (mg/kg):	n.d.a., See point 15.
Eye contact:	n.av.

Delayed and chronic effects

Sensitization:	n.c.
Carcinogenicity:	No, (NTP, IARC, OSHA)
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

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)

SECTION 12: Ecological information

The product was not tested.

Persistence and degradability:

Readily biodegradable (84%/28d)

Behaviour in sewage plants:

Problems not expected when used correctly.

Aquatic toxicity:

Toxicity to fish:

LC50 > 100 mg/l/96h *

Ecological toxicity:

n.av.

Mobility:

n.av.

Accumulation:

n.av.

Results of PBT assessment

n.av.

Other adverse effects:

n.av.

* Naphtha (petroleum), hydrotreated heavy

SECTION 13: Disposal considerations

13.1. for the material / preparation / residue

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

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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.

13.2 for contaminated packing material

See point 13.1
 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

Road/Rail-transport (ADR/RID)

Class/packing group: 3/III

UN 1268 PETROLEUM DISTILLATES, N.O.S.

Classification code: F1

LQ: 7

Tunnel restriction code: D/E

Transport by sea

IMDG-code: 3/III (class/packing group)

EmS: F-E, S-E

Marine Pollutant: n.a

PETROLEUM DISTILLATES, N.O.S.

Transport by air

IATA: 3/-III (class/secondary danger/packing group)

Petroleum distillates, n.o.s.

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: 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

Observe restrictions:

Yes

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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): 68,98% (w/w)

SECTION 16: Other information

These details refer to the product as it is delivered.

EUF0003

Revised points:

1, 3, 4, 5, 6, 7, 9, 12, 15

The following phrases represent the prescribed R-phrases / H-phrases (GHS/CLP) for the ingredients (designated in point 3).

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

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)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are

not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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