

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

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

WD-40 Aerosol

Use of the substance/preparation

Lubricant
 Corrosion protection

Company/undertaking identification

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. 00 44 1908 555 400 (8.00 - 16.30)

2. HAZARDS IDENTIFICATION

To people

See point 11 and 15.
 Preparation is classified as hazardous in the sense of directive 1999/45/EC.
 Product is extremely flammable.
 Danger of bursting (explosion) when heated
 66 Repeated exposure may cause skin dryness or cracking.

To the environment

See point 12.
 Hydrocarbons can be harmful to water.
 Product can compose a film on the water surface, which can prevent oxygen exchange.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Aerosol
 Free from:
 CFC

Chemical name			
content %	Symbol	R-phrases	EINECS, ELINCS
Registration number (ECHA)			
Naphtha (petroleum), hydrotreated heavy			
60 - 80	Xn	10-65-66	265-150-3 CAS 64742-48-9
Carbon dioxide		Substance for which an EU exposure limit value applies.	
1 - 5	---	---	204-696-9 CAS 124-38-9

For complete wording of the R-phrases, refer to point 16.

4. FIRST AID MEASURES

4.1 Inhalation

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

4.2 Eye contact

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

4.3 Skin contact

Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.4 Ingestion

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

4.5 Special resources necessary for first aid

n.c.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Foam
CO2
Extinction powder
Cool container at risk with water.

5.2 Extinguishing media which shall not be used for safety reasons

Water

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:
Danger of bursting (explosion) when heated
Oxides of carbon
Danger of explosion by prolonged heating.
Explosive vapour/air mixture

5.4 Special protective equipment for fire-fighters

According to size of fire
Protective respirator with independent air supply.

5.5 Further information

Dispose of contaminated extinction water according to official regulations.

6. ACCIDENTAL RELEASE MEASURES

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

6.1 Personal precautions

Remove possible causes of ignition - do not smoke.
Ensure sufficient supply of air.
Avoid inhalation, and contact with eyes or skin.
Do not carry cleaning cloths soaked in product in trouser pockets.

6.2 Environmental precautions

If leakage occurs, dam up.
Prevent from entering drainage system.
Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods for cleaning up

If spray or gas escapes, ensure ample fresh air is available.
Active substance:
Collect using absorbant material (e.g. Universal binding medium, sand, kieselguhr) and dispose of according to point 13.

7. HANDLING AND STORAGE

7.1 Handling

Tips for safe handling:

See point 6.1

Ensure good ventilation.

Keep away from sources of ignition - Do not smoke.

Do not use on hot surfaces.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

Take measures against electrostatic charging, if appropriate.

7.2. Storage

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.

Observe special regulations for aerosols!

Observe TRG 300 (German regulation).

Special storage conditions:

See point 10

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

Store in a dry place.

Store cool

Store in a well ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Chemical Name	Naphtha (petroleum), hydrotreated heavy		Content %:60 - 80
WEL-TWA: 1200 mg/m ³ (normal and branched chain >= C7) (WEL), 600 mg/m ³ (AGW)	WEL-STEL: 2(II) (AGW)	---	
BMGV: ---	Other information: ---		
Chemical Name	Carbon dioxide		Content %:1 - 5
WEL-TWA: 5000 ppm (9150 mg/m ³) (WEL), 5000 ppm (9000 mg/m ³) (EC)	WEL-STEL: 15000 ppm (27400 mg/m ³) (WEL)	---	
BMGV: ---	Other information: ---		
Chemical Name	Oil mist, mineral		Content %:
WEL-TWA: 5 mg/m ³ (ACGIH)	WEL-STEL: 10 mg/m ³ (ACGIH)	---	
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 Occupational exposure 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 A P 3 (EN 14387)

Hand protection:

Protective nitrile gloves (EN 374)

Eye protection:

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

Skin protection:

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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.

8.2.2 Environmental exposure controls

n.av.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol
Colour:	Light brown
Odour:	Characteristic
Boiling point/boiling range (°C):	n.av.
Melting point/melting range (°C):	n.av.
Flash point (°C):	44
Flammability (solid, gas):	Yes
Ignition distance test (UN Manual Test and Criteria, Part III, 31.4):	>= 75 cm
Enclosed space ignition test (UN Manual Test and Criteria, Part III, 31.5):	<= 300 s/m ³ (time equivalent)
Enclosed space ignition test (UN Manual Test and Criteria, Part III, 31.5):	<= 300 g/m ³ (deflagration density)
Minimum limit of explosion:	0,6 Vol%*
Maximum limit of explosion:	8,0 Vol%*
* Naphtha (petroleum), hydrotreated heavy	
Vapour pressure:	7,2 bar (20°C), 9,4 bar (50°C)
Density (g/ml):	0,817, Liquid concentrate
Water solubility:	Insoluble
Solubility in oil / solvent:	n.c.
Viscosity:	< 1 cSt

10. STABILITY AND REACTIVITY

Conditions to avoid

See point 7

Pressure increase will result in danger of bursting.

Pressurized container:

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

Heating, open flame, ignition sources

Materials to avoid

See point 7

Avoid contact with strong oxidizing agents.

Hazardous decomposition products

See point 5.3

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)

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Mutagenicity:	n.c.
Reproductive toxicity:	n.c.
Narcosis:	n.c.

Further information

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

12. ECOLOGICAL INFORMATION

Water hazard class (Germany):	1
Self classification:	Yes (VwVwS)
Persistence and degradability:	
Not readily but inherent biodegradable (>20 -< 60%, 28d, OECD 310)	
Behaviour in sewage plants:	Problems not expected when used correctly.
Aquatic toxicity:	
Toxicity to fish:	
LC50 > 100 mg/l/96h *	
Ecological toxicity:	n.av.
* Naphtha (petroleum), hydrotreated heavy	

13. DISPOSAL CONSIDERATIONS

13.1. for the material / preparation / 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)

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

Austrian disposal code no.: 55373

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.

14. TRANSPORT INFORMATION

General statements

UN-Number:	1950
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Road/Rail-transport (ADR/RID)

Class/packing group:	2/-
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UN 1950 AEROSOLS

Classification code:	5F
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LQ:	2
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Tunnel restriction code:	D
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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:

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

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 Avoid contact with skin.
 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
 Naphtha (petroleum), hydrotreated heavy
 Observe restrictions: Yes
 Observe youth employment law (German regulation).
 Regulation (EC) No 1907/2006, Annex XVII.
 VOC 1999/13/EC: 66,92 % (w/w)

16. OTHER INFORMATION

These details refer to the product as it is delivered.
 Storage class VCI (Germany): 2 B
 Revised points: 9, 12, 15, 16
 The following phrases represent the prescribed R-phrases / H-phrases (GHS) 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.
 EUF0002

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

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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:

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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