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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 29.11.2010 / 0001  
Replaces revision of / Version: 29.11.2010 / 0001  
Valid from: 29.11.2010  
PDF print date: 29.11.2010  
3-IN-ONE Professional Heavy Duty Cleaner Degreaser

## 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 Heavy Duty Cleaner Degreaser

#### Use of the substance/mixture

Degreaser

#### 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)

#### Supplied by:

RS Components Ltd,  
Birchington Road, Corby, Northants, NN17 9RS.  
Tel: +44 (0) 1536 402888 (8am to 8pm)  
Email: technical.help@rs-components.com

### SECTION 2: Hazards identification

#### To people

See also section 11. and 15.

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

Extremely flammable

43 May cause sensitization by skin contact.

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.

#### To the environment

See section 12.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### REGULATION (EC) No 648/2004

5 % or over but less than 15 %

aliphatic hydrocarbons

less than 5 %

anionic surfactants

aromatic hydrocarbons

non-ionic surfactants

LIMONENE

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### SECTION 3: Composition/information on ingredients

Aerosol

#### 3.1 Substance

n.a.

#### 3.2 Mixture

<b>Naphtha (petroleum), hydrodesulfurized heavy</b>	
Registration number (ECHA)	-
Index	649-330-00-2
EINECS, ELINCS	265-185-4
CAS	CAS 64742-82-1
content %	1-10
Symbol	Xn/N
R-phrases	10-51-53-65-66-67
Classification categories / Indications of danger	Dangerous for the environment, Flammable, Harmful

<b>(R)-p-mentha-1,8-diene</b>	
Registration number (ECHA)	-
Index	601-029-00-7
EINECS, ELINCS	227-813-5
CAS	CAS 5989-27-5
content %	2,5-5
Symbol	Xi/N
R-phrases	10-38-43-50-53
Classification categories / Indications of danger	Dangerous for the environment, Flammable, Irritant, Sensitizing

<b>2-Butoxyethanol</b>	
Registration number (ECHA)	-
Index	603-014-00-0
EINECS, ELINCS	203-905-0
CAS	CAS 111-76-2
content %	1-5
Symbol	Xn/Xi
R-phrases	20/21/22-36/38
Classification categories / Indications of danger	Harmful, Irritant

<b>Fatty alcohol ethoxylates</b>	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	-
CAS	CAS 68439-45-2
content %	1-5
Symbol	Xn/Xi
R-phrases	22-41
Classification categories / Indications of danger	Harmful, Irritant

<b>Ammonia</b>	
Registration number (ECHA)	-
Index	007-001-01-2
EINECS, ELINCS	215-647-6
CAS	CAS 1336-21-6
content %	0,1-<1
Symbol	C/N
R-phrases	34-50
Classification categories / Indications of danger	Corrosive, Dangerous for the environment

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

### SECTION 4: First aid measures

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#### 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.

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

Fatigue

Mental confusion

Headaches

Dizziness

Allergic reaction

#### 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>

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

Oxides of sulphur

Oxides of nitrogen

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.

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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.  
Flush residue using copious water.

**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**

**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**

<b>Chemical Name:</b>	Naphtha (petroleum), hydrodesulfurized heavy		<b>Content %:</b> 1-10
WEL-TWA:	300 mg/m3 (AGW)	WEL-STEL:	2(II) (AGW) ---
BMGV:	---	Other information:	---
<b>Chemical Name</b>	2-Butoxyethanol		<b>Content %:</b> 1-5
WEL-TWA:	25 ppm (123 mg/m3) (WEL), 20 ppm (98 mg/m3) (EC)	WEL-STEL:	50 ppm (246 mg/m3) (WEL, EC) ---
BMGV:	240 mmol butoxyacetic acid/mol creatinine in urine, post shift (BMGV)	Other information:	Sk (WEL)
<b>Chemical Name</b>	Ammonia		<b>Content %:</b> 0,1- <1
WEL-TWA:	NH3 25 ppm (18 mg/m3) (WEL), 20 ppm (14 mg/m3) (EC)	WEL-STEL:	NH3 35 ppm (25 mg/m3) (WEL), 50 ppm (36 mg/m3) (EC) ---
BMGV:	---	Other information:	---
<b>Chemical Name</b>	Petroleum gases, liquified		<b>Content %:</b>
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:	---

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 areas in which food is consumed.

Eye/face protection:

With danger of contact with eyes.

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

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

If applicable

Protective Neopren gloves (EN 374).

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

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.

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

n.av.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	White
Odour:	Characteristic
pH-value undiluted:	Not determined
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%

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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:	Mixable

## 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

Pressure increase will result in danger of bursting.

### 10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

### 10.6 Hazardous decomposition products

No decomposition when used as directed.

## 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): n.av.

Eye contact: n.av.

### Delayed and chronic effects

Sensitization: Yes (skin contact)

Carcinogenicity: n.av.

Mutagenicity: n.av.

Reproductive toxicity: n.av.

Narcosis: n.av.

### 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

Other dangerous properties cannot be ruled out.

## SECTION 12: Ecological information

The product was not tested.

Persistence and degradability:

The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

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Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Readily biodegradable \*  
 Behaviour in sewage plants: According to the recipe, contains no AOX.  
 Aquatic toxicity: 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 Ecological toxicity: n.av.  
 Mobility: n.av.  
 Accumulation: n.av.  
 Results of PBT assessment  
 n.av.  
 Other adverse effects: n.av.  
 \* 2-Butoxyethanol

**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. (2001/118/EC, 2001/119/EC, 2001/573/EC)  
 07 06 01 aqueous washing liquids and mother liquors  
 16 05 04 gases in pressure containers (including halons) containing dangerous substances  
 20 01 29 detergents containing dangerous substances  
 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		
<b>Transport by road/by rail (ADR/RID)</b>			
Transport hazard class/packing group:	2/-		
UN 1950 AEROSOLS			
Classification code:	5F		
LQ (ADR 2011):	1 L		
LQ (ADR 2009):	2		
Tunnel restriction code:	D		
<b>Transport by sea (IMDG-code)</b>			
IMDG-code:	2.1/- (transport hazard class/packing group)		
EmS:	F-D, S-U		
Marine Pollutant:	Yes		
AEROSOLS (NAPHTHA (PETROLEUM),D-LIMONENE)			
<b>Transport by air (IATA)</b>			
IATA:	2.1/-/ (transport hazard class/subsidiary risk/packing group)		
Aerosols, flammable			
<b>Additional information:</b>			
Danger code and packing code on request.			

**SECTION 15: Regulatory information**

**Classification according to Dangerous Product Regulations incl. EC Directives**

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### (67/548/EEC and 1999/45/EC)



Symbols: F+/Xi/N

Indications of danger:

Extremely flammable

Irritant

Dangerous for the environment

R-phrases:

43 May cause sensitization by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases:

23 Do not breathe spray.

24 Avoid contact with skin.

29/35 Do not empty into drains; dispose of this material and its container in a safe way.

37 Wear suitable gloves.

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

51 Use only in well-ventilated areas.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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.

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

Observe restrictions:

Yes

Observe youth employment law (German regulation).

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

VOC (1999/13/EC):

~ 19,4% w/w

### SECTION 16: Other information

These details refer to the product as it is delivered.

EU F0009

Revised sections:

n.a.

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

10 Flammable.

51 Toxic to aquatic organisms.

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

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

38 Irritating to skin.

43 May cause sensitization by skin contact.

50 Very toxic to aquatic organisms.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

36/38 Irritating to eyes and skin.

22 Harmful if swallowed.

41 Risk of serious damage to eyes.

34 Causes burns.

### 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)

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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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