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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision: 25.06.2008 Replaces the version of: 09.08.2007 PDF date: 25.06.2008  
Carburettor & Inj Cleaner 500ml Art.: 500115

## 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

#### Carburettor & Inj Cleaner 500ml

Art.: 500115

#### Use of the substance/preparation

For the safe removal of gum deposits and to enhance starting properties

#### Company/undertaking identification

Wurth UK Ltd 1 Centurion Way, Erith, UK-DA18 4AE Kent  
Telephone 020 8319 6000, Fax 020 8319 6400

Distributor: see point 16 of this EC safety data sheet

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.: +49 30 / 19240 Berlin

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

Tel. 020 8319 6000 (08-00 h - 18-00 h)

### 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.

When using:

development of explosive vapour/air mixture possible.

Danger of bursting (explosion) when heated.

Irritation of the eyes

Vapours may cause drowsiness and dizziness

#### To the environment

See point 12.

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

### REGULATION (EC) No 648/2004

30 % and more

aliphatic hydrocarbons

15 % or over but less than 30 %

aromatic hydrocarbons

less than 5 %

non-ionic surfactants

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Symbol	R-phrases	EINECS, ELINCS
content %	Registration number (ECHA)	DNEL	PNEC

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Naphtha (petroleum), hydrodesulfurized heavy			
30 - 40	Xn/N	10-51-53-65-66	265-185-4
Acetone			
15 -< 20	F/Xi	11-36-66-67	200-662-2
Xylene			
1 -< 12,5	Xn/Xi	10-20/21-38	215-535-7
4-hydroxy-4-methyl-pentan-2-one			
1 -< 10	Xi	36	204-626-7
Fatty alcohol ethoxylates			
1 -< 5	Xn/Xi	22-41	

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

## 4. FIRST AID MEASURES

### 4.1 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.

### 4.2 Eye contact

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

### 4.3 Skin contact

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

### 4.4 Ingestion

Typically no exposure pathway.  
Rinse the mouth thoroughly with water.  
Consult doctor immediately - keep Data Sheet available.  
Do not induce vomiting.

### 4.5 Special resources necessary for first aid

n.c.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Suitable extinguishing media

Foam  
Dry extinguisher  
CO2  
Water jet spray  
Cool container at risk with water.

### 5.2 Extinguishing media which shall not be used for safety reasons

High volume water jet

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

In case of fire the following can develop:  
Oxides of carbon  
Toxic pyrolysis products.  
Danger of bursting (explosion) when heated.  
Explosive vapour/air mixture  
Dangerous vapours heavier than air.  
In case of spreading near the ground, flashback to distance sources of ignition is possible.

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#### 5.4 Special protective equipment for fire-fighters

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

#### 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.  
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 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.  
Avoid inhalation of the vapours.  
Keep away from sources of ignition - Do not smoke.  
Do not use on hot surfaces.  
Avoid contact with eyes.  
Avoid long lasting or intensive contact with skin.  
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.  
Wash hands before breaks and at end of work.  
General hygiene measures for the handling of chemicals are applicable.  
Observe directions on label and instructions for use.  
Use working methods according to operating instructions.

#### 7.2. Storage

##### Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.  
Observe special regulations for aerosols.

##### Special storage conditions:

See point 10  
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").

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Exposure limit values

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Chemical Name

Naphtha (petroleum), hydrodesulfurized heavy

Content %:30 -  
40

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WEL-TWA: 100 mg/m3 (AGW)	WEL-STEL: 2(II) (AGW)	---
BMGV: ---	Other information: ---	
<b>Chemical Name</b>	Acetone	Content %:15 - < 20
WEL-TWA: 500 ppm (1210 mg/m3) (WEL, EC)	WEL-STEL: 1500 ppm (3620 mg/m3) (WEL)	---
BMGV: ---	Other information: ---	
<b>Chemical Name</b>	Xylene	Content %:1 -< 12,5
WEL-TWA: 50 ppm (220 mg/m3) (WEL), 50 ppm (221 mg/m3) (EC)	WEL-STEL: 100 ppm (441 mg/m3 (WEL), 100 ppm (442 mg/m3) (EC)	---
BMGV: 650 mmol methyl hippuric acid/mol creatinine in urine, post shift (Xylene, o-, m-, p- or mixed isomers) (BMGV)	Other information: Sk (WEL)	
<b>Chemical Name</b>	4-hydroxy-4-methyl-pentan-2-one	Content %:1 -< 10
WEL-TWA: 50 ppm (241 mg/m3)	WEL-STEL: 75 ppm (362 mg/m3)	---
BMGV: ---	Other information: ---	
<b>Chemical Name</b>	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: ---	

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 A2 P2 (EN 141)

Hand protection:

Solvent resistant protective gloves (EN 374).

If applicable

Protective nitrile gloves (EN 374)

Protective hand cream recommended.

Eye protection:

With danger of contact with eyes

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

Skin protection:

Protective working garments (e.g. safety shoes EN 344, 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

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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:	Colourless
Odour:	Characteristic
pH-value undiluted:	n.av.
Boiling point/boiling range (°C):	n.av.
Melting point/melting range (°C):	n.av.
Flash point (°C):	< 0 *
Vapour pressure:	2 bar (20°C)
Density (g/ml):	0,71
Water solubility:	Insoluble
Viscosity:	n.c.

\* Petroleum gases, liquified

## 10. STABILITY AND REACTIVITY

### Conditions to avoid

See point 7

Stable when handled and stored correctly.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

### Materials to avoid

See point 7

Avoid contact with strong oxidizing agents.

### Hazardous decomposition products

See point 5.3

No decomposition when used as directed.

## 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:	See point 15.

### Delayed and chronic effects

Sensitization:	n.c.
Carcinogenicity:	n.c.
Mutagenicity:	n.c.
Reproductive toxicity:	n.c.
Narcosis:	Possible

### Further information

Classification according to calculation procedure.

The following may occur:

Irritation of the respiratory tract

Coughing

Dizziness

Headaches

Effects/damages the central nervous system

Unconsciousness

Drying of the skin.

Dermatitis (skin inflammation)

At high concentrations:

Product is dangerous to health.

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Ingestion of large quantities:  
Product is dangerous to health.  
Other dangerous properties cannot be ruled out.

## 12. ECOLOGICAL INFORMATION

Water hazard class (Germany): 2  
Self classification: Yes (VwVwS)  
Persistence and degradability: n.av.  
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.  
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.  
Not readily biodegradable \*, \*\*  
Readily biodegradable (91%/28d) \*\*\*  
Behaviour in sewage plants: n.av.  
According to the recipe, contains no AOX.  
Aquatic toxicity: See point 2.  
Ecological toxicity: n.av.  
Accumulation:  
Concentration in organisms possible. \*, \*\*\*\*  
\* Naphtha (petroleum), hydrodesulfurized heavy  
\*\* 4-hydroxy-4-methyl-pentan-2-one  
\*\*\* Acetone  
\*\*\*\* Xylene

## 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)  
14 06 03 other solvents and solvent mixes  
16 05 04 gases in pressure containers (including halons) containing dangerous substances  
Recommendation:  
Pay attention to local and national official regulations  
E.g. suitable incineration plant.  
E.g. dispose at suitable refuse site.

### 13.2 for contaminated packing material

See point 13.1  
Pay attention to local and national official regulations  
Do not perforate, cut up or weld uncleaned container.  
15 01 04 metallic packaging  
15 01 10 packaging containing residues of or contaminated by dangerous substances

## 14. TRANSPORT INFORMATION

### General statements

UN-Number: 1950

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

Class/packing group: 2/-

UN 1950 AEROSOLS

Classification code: 5F

LQ: 2

### Transport by sea

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

EmS: F-D, S-U

Marine Pollutant: n.a

AEROSOLS

### Transport by air



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

**Additional information:**

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+/Xi/N

Indications of danger:

Extremely flammable

Irritant

Dangerous for the environment

R-phrases:

12 Extremely flammable.

36 Irritating to eyes.

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

67 Vapours may cause drowsiness and dizziness.

S-phrases:

23.c Do not breathe spray.

24 Avoid contact with skin.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

51 Use only in well-ventilated areas.

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

Additions: n.a.

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.

Observe restrictions: Yes

Observe restrictive guidelines 76/769/EEC, 1999/51/EC, 1999/77/EC

**16. OTHER INFORMATION**

These details refer to the product as it is delivered.

Storage class VCI (Germany): 2 B

Revised points: 8

The following phrases represent the prescribed R-phrases for the ingredients (designated in point 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.

65 Also harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

11 Highly flammable.

36 Irritating to eyes.

67 Vapours may cause drowsiness and dizziness.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

22 Harmful if swallowed.

22 Also harmful if swallowed.

41 Risk of serious damage to eyes.

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### 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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