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Revision: 10.11.2006 Replaces the version of: 18.11.2003 PDF date: 21.05.2007

Petrol Additive 4 Stroke 150ml

Art.: 08930169

## Safety Data Sheet according to EC-Regulation 91/155/EEC

### 1. Identification of the substance/preparation and of the company/undertaking

#### Identification of the substance or preparation

**Petrol Additive 4 Stroke 150ml****Art.: 08930169**

#### Use of the substance/preparation

Refer to description of material or preparation.

#### 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

#### Emergency telephone / Office for advice

##### 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. Composition/information on ingredients

2.1 Chemical name	content %	symbol	R-phrases	EINECS, ELINCS
Naphtha (petroleum), hydrodesulfurized heavy	30 - 60	Xn/N	51-53-65-66-67	265-185-4
Propan-2-ol	30 - 60	F/Xi	11-36-67	200-661-7

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

### 3. Hazards identification

#### 3.1 To people

See point 11 and 15.

Preparation is classified as hazardous in the sense of directive 1999/45/EC.

Product is highly flammable.

When using: development of highly flammable vapour/air mixture possible.

Irritation of the eyes

Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness

#### 3.2 To the environment

See point 12.

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

### 4. First aid measures

#### 4.1 Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

Keep Data Sheet available.

#### 4.2 Eye contact

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

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#### 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

CO2

Dry extinguisher

Foam

Cool container at risk with water.

#### 5.2 Extinguishing media which must 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

Gases hazardous to health

Explosive vapour/air mixture

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

According to size of fire

Protective respirator with independent air supply

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.

#### 6.2 Environmental measures

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

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

Use no flammable substances.

### 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.

Take measures against electrostatic charging, if appropriate.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Wash hands before breaks and at end of work.

Observe directions on label and instructions for use.

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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.  
 Store products only unopened, in original packing.  
 Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").  
 Solvent resistant floor

### Special storage conditions:

See point 10.2  
 Store cool  
 Store in a well ventilated place.  
 Protect from direct sunlight and warming.

## 8. Exposure controls/personal protection

Chemical Name	Naphtha (petroleum), hydrodesulfurized heavy		
WEL-TWA: ** 70 ppm (350 mg/m <sup>3</sup> ) (AGW)	WEL-STEL: ** 4 (AGW)	---	
BMGV: ---	Other information: ---		

Chemical Name	Propan-2-ol		
WEL-TWA: 400 ppm (999 mg/m <sup>3</sup> )	WEL-STEL: 500 ppm (1250 mg/m <sup>3</sup> )	---	
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.

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.

Respiratory protection: If OES or MEL is exceeded.

Gas mask filter A (EN 141)

Hand protection:

If applicable

Protective nitrile gloves (EN 374)

Protective hand cream recommended.

Eye protection:

Skin protection:

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

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 requested from the protective glove manufacturer and must be observed.

## 9. Physical and chemical properties

Physical state:	Liquid
Colour:	Brown
Odour:	Characteristic
Boiling point/range (°C):	n.av.
Melting point/range (°C):	n.av.
Flash point (°C):	18

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Oxidising properties:	n.c.
Minimum limit of explosion:	0,6 Vol%
Maximum limit of explosion:	12,0 Vol%
Density (g/ml):	0,794
Solubility in water:	Insoluble

## 10. Stability and reactivity

### Conditions to avoid

See point 7

Stable when handled and stored correctly.

Heating, open flame, ignition sources

Electrostatic charge

### Materials to avoid

See point 7

Avoid contact with oxidizing agents.

Avoid contact with strong acids.

Avoid contact with strong alkalis.

### Hazardous decomposition products

See point 5.3

## 11. Toxicological information

### Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):

k.D.v., See point 15.

Inhalation, LC50 rat inhal.(mg/l/4h):

n.av.

Skin contact, LD50 rat dermal (mg/kg):

k.D.v., See point 15.

Eye contact:

Irritant

### 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:

With long-term contact:

Product removes fat

Irritation of the skin.

Skin resorption

Inhalation:

Headaches

Dizziness

Effects/damages the central nervous system

Ingestion:

Oedema of the lungs

Lung damage

## 12. Ecological information

Water hazard class (Germany):

2

Self classification:

Yes (VwVwS)

Persistence and degradability:

Readily biodegradable (&gt; 99,9% OECD 303A, (95% 21d mod. OECD-Screening-Test)) \*

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.

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\* Propan-2-ol

### 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 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

Recommendation:

Pay attention to local and national official regulations

Implement substance recycling.

E.g. suitable incineration plant.

#### 13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

Empty container completely.

Untamminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

### 14. Transport information

#### General statements

UN-Number: 1993

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

Class/packing-group: 3/II 

UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALCOHOL,NAPHTHA (PETROLEUM)) (SPECIAL PROVISION 640D)

Classification code: F1

LQ: 4

#### Transport by sea

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

EmS: F-E, S-E

Marine Pollutant: n.a. 

FLAMMABLE LIQUID, N.O.S (ISOPROPYL ALCOHOL,NAPHTHA (PETROLEUM))

#### Transport by air

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

Flammable liquid, n.o.s (ISOPROPYL ALCOHOL,NAPHTHA (PETROLEUM))

#### 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/Xn/N

Indications of danger:

Highly flammable

Harmful

Dangerous for the environment

R-phrases:

11 Highly flammable.

36 Irritating to eyes.

51/53 Toxic to aquatic organisms, 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.

S-phrases:

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16 Keep away from sources of ignition - No smoking.

23.b Do not breathe vapour.

24/25 Avoid contact with skin and eyes.

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.

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

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

Additions:

Naphtha (petroleum), hydrodesulfurized heavy

Observe restrictions: Yes

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

VOC 1999/13/EC 95% w/w

## 16. Other information

These details refer to the product as it is delivered.

Storage class VCI (Germany):

3 A

Revised points:

7, 12

The following phrases represent the prescribed R-phrases for the ingredients (designated in point 2).

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.

67 Vapours may cause drowsiness and dizziness.

11 Highly flammable.

36 Irritating to eyes.

Winzer Würth Industrial Lt.

Würth House

Catteshall Lane

GB - Godalming / Surrey

GU7 1NP

Tel: 01483 412800

Fax: 01483 412805

Würth Ireland Ltd.

Monaclooe Industrial Estate

Ballysimon Road

GB - Limerick / Ireland

Tel: +353 61 430200

Fax: +353 61 430200

## 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:

**Chemical Check GmbH, Beim Staumberge 3, 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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