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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision: 25.06.2008 Replaces the version of: 24.11.2003 PDF date: 25.06.2008
Multi-Purpose Lube 200ml Art.: 500118

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

Identification of the substance or preparation

Multi-Purpose Lube 200ml
Art.: 500118

Use of the substance/preparation
Lubricant

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.
Danger of bursting (explosion) when heated.
When using: development of explosive vapour/air mixture possible.
Irritation of the skin.
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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Aerosol

Chemical name			
content %	Symbol	R-phrases	EINECS, ELINCS
	Registration number (ECHA)	DNEL	PNEC
Isobutane			
20 - 30	F+	12	200-857-2
Propane			
1 - 10	F+	12	200-827-9

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Butane			
1 - 5	F+	12	203-448-7
Naphtha (petroleum), hydrotreated light			
30 - 60	F/Xn/Xi/N	11-38-51-53-65-67	265-151-9

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.

4.2 Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Keep Data Sheet available.

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.
Call doctor immediately - have 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

Water jet spray
CO2
Extinguishment powder
Foam
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
Oxides of sulphur
Toxic pyrolysis products.
Danger of explosion by prolonged heating.
Explosive vapour/air mixture
In case of spreading near the ground, flashback to distance sources of ignition is possible.

5.4 Special protective equipment for fire-fighters

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.

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Avoid inhalation, and contact with eyes or skin.

6.2 Environmental precautions

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.
 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), 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.

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.

Wash hands before breaks and at end of work.

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.

Store product closed and only in original packing.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

	Chemical Name	Isobutane	Content %:20 - 30
	WEL-TWA: 1000 ppm (ACGIH)	WEL-STEL: ---	---
	BMGV: ---	Other information: ---	
	Chemical Name	Isobutane	Content %:20 - 30
	WEL-TWA: 1000 ppm (ACGIH)	WEL-STEL: ---	---
	BMGV: ---	Other information: ---	
	Chemical Name	Propane	Content %:1 - 10
	WEL-TWA: 1000 ppm (ACGIH)	WEL-STEL: ---	---
	BMGV: ---	Other information: ---	
	Chemical Name	Propane	Content %:1 - 10
	WEL-TWA: 1000 ppm (ACGIH)	WEL-STEL: ---	---
	BMGV: ---	Other information: ---	
	Chemical Name	Butane	Content %: 1 - 5
	WEL-TWA: 600 ppm (1450 mg/m3)	WEL-STEL: 750 ppm (1810 mg/m3)	---
	BMGV: ---	Other information: ---	
	Chemical Name	Butane	Content %: 1 - 5

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WEL-TWA: 600 ppm (1450 mg/m3)	WEL-STEL: 750 ppm (1810 mg/m3)	---
BMGV: ---	Other information: ---	
Chemical Name	Naphtha (petroleum), hydrotreated light	Content %:30 - 60
WEL-TWA: 800 mg/m3 (WEL), 1200 mg/m3 (AGW)	WEL-STEL: 2(II) (AGW)	---
BMGV: ---	Other information: ---	
Chemical Name	Naphtha (petroleum), hydrotreated light	Content %:30 - 60
WEL-TWA: 800 mg/m3 (WEL), 1200 mg/m3 (AGW)	WEL-STEL: 2(II) (AGW)	---
BMGV: ---	Other information: ---	
Chemical Name	Oil mist, mineral	Content %:
WEL-TWA: 5 mg/m3 (ACGIH)	WEL-STEL: 10 mg/m3 (ACGIH)	---
BMGV: ---	Other information: ---	
Chemical Name	Oil mist, mineral	Content %:
WEL-TWA: 5 mg/m3 (ACGIH)	WEL-STEL: 10 mg/m3 (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.

OELV-8h = Occupational Exposure Limit Value (8-hour reference period) | OELV-15min = Occupational Exposure Limit Value (15-minute reference period) | BLV = Biological limit value | Other information: C1, C2 = carcinogenic substance, Cat. 1 or 2. Mut 1, 2 = mutagenic substance, Cat. 1 or 2. Repro 1, 2 = Substances known to be toxic for reproduction, Cat. 1 or 2. Sk = can be absorbed through skin. Asphyx = asphyxiant. Sen = Respiratory sensitizer.

** = 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.

Gas mask filter A (EN 141)

Hand protection:

Solvent resistant protective gloves (EN 374).

If applicable

Protective nitrile gloves (EN 374)

Protective Viton gloves (EN 374)

Protective hand cream recommended.

Eye protection:

Tight fitting protective goggles (EN 166) with side protection, with danger of projections.

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

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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
Substance:	Liquid
Propellant gas:	
Isobutane	
Propane	
Butane	
Colour:	Light yellow
Odour:	Characteristic
pH-value undiluted:	n.av.
Boiling point/boiling range (°C):	n.av.
Melting point/melting range (°C):	n.av.
Flash point (°C):	< 21°C
Ignition temperature:	350°C
Oxidising properties:	No
Minimum limit of explosion:	n.a.
Maximum limit of explosion:	n.a.
Vapour pressure:	n.c.
Density (g/ml):	Wirkstoff: 0,765
Water solubility:	Insoluble
Viscosity:	Wirkstoff: 5 mm ² /s (20°C), 3 mm ² /s (40°C)

10. STABILITY AND REACTIVITY

Conditions to avoid

See point 7
Stable when handled and stored correctly.
Pressure increase will result in danger of bursting.
Heating, open flame, ignition sources

Materials to avoid

See point 7
Avoid contact with oxidizing agents.

Hazardous decomposition products

See point 5.3

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):	k.D.v., Irritant
Eye contact:	n.av.

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 eyes
Product removes fat

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Drying of the skin.
Inhalation:
Dizziness
Headaches
Effects/damages the central nervous system
Ingestion:
Irritation of the mouth and throat
Irritation of the stomach

12. ECOLOGICAL INFORMATION

Water hazard class (Germany):	1
Self classification:	Yes
Persistence and degradability:	
Photochemical decomposition in the atmosphere.*	
Behaviour in sewage plants:	
According to the recipe, contains no AOX.	
Aquatic toxicity:	n.av.
Ecological toxicity:	n.av.

* Naphtha (petroleum), hydrotreated light

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
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
Recommendation:
Do not perforate, cut up or weld uncleaned container.

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

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

Additional information:

Danger code and packing code on request.

15. REGULATORY INFORMATION

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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.

Without adequate ventilation, formation of explosive mixtures may be possible.

38 Irritating to skin.

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.f Do not breathe vapour/spray.

24 Avoid contact with skin.

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:

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.

Observe restrictions:

Yes

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

VOC 1999/13/EC 82,85% w/w

16. OTHER INFORMATION

These details refer to the product as it is delivered.

Storage class VCI (Germany):

2 B

Revised points:

1 - 16 (REACH)

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

12 Extremely flammable.

11 Highly flammable.

38 Irritating to skin.

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.

67 Vapours may cause drowsiness and dizziness.

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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

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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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