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Revision: 07.02.2006 Replaces the version of: 01.06.2004 PDF date: 21.05.2007

CU 800 100g

Art.: 08938001

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

CU 800 100g**Art.: 08938001**

Use of the substance/preparation

High temperature and high pressure-resistant, corrosion protection paste.

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
--					

3. Hazards identification

3.1 To people

See point 11 and 15.

Preparation is not classified as hazardous in the sense of directive 1999/45/EC.

3.2 To the environment

See point 12.

Hydrocarbons can be harmful to water.

4. First aid measures

4.1 Inhalation

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

Remove person from danger area.

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

Do not induce vomiting. Consult doctor immediately.

Do not feed fats, oils or milk.

Give water to drink.

4.5 Special resources necessary for first aid

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Indications for the physician:

Activated carbon

5. Fire-fighting measures

5.1 Suitable extinguishing media

CO₂

Foam

Dry extinguisher

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

Toxic pyrolysis products.

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

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping.

6.2 Environmental measures

If leakage occurs, dam up.

Prevent from entering drainage system.

6.3 Methods for cleaning up

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

Or:

Collect mechanically and dispose of according to point 13.

7. Handling and storage

7.1 Handling

Tips for safe handling:

See point 6.1

General hygiene measures for the handling of chemicals are applicable.

Observe directions on label and instructions for use.

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.

Store separately from acids.

Store separately from alkalis.

Special storage conditions:

See point 10.2

Only store at temperatures from -5°C to 40°C

8. Exposure controls/personal protection

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Chemical Name	Oil mist, mineral		
WEL-TWA: 5 mg/m3 (ACGIH)	WEL-STEL: 10 mg/m3 (ACGIH)	---	
BMGV: ---	Other information: ---		

Chemical Name	Oil mist, mineral		
WEL-TWA: 5 mg/m3 (ACGIH)	WEL-STEL: 10 mg/m3 (ACGIH)	---	
BMGV: ---	Other information: ---		

Chemical Name	Copper		
WEL-TWA: 1 mg/m3 (dusts and mists, as Cu)	WEL-STEL: 2 mg/m3 (dusts and mists, as Cu)	---	
BMGV: ---	Other information: ---		

Chemical Name	Copper		
WEL-TWA: 1 mg/m3 (dusts and mists, as Cu)	WEL-STEL: 2 mg/m3 (dusts and mists, as Cu)	---	
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.

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: Normally not necessary.
 If OES or MEL is exceeded.
 Filter A - P2 EN 141
 Hand protection: Protective PVC gloves (EN 374)
 Protective hand cream recommended.
 Eye protection: 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 requested from the protective glove manufacturer and must be observed.

9. Physical and chemical properties

Physical state:	Pastelike
Colour:	Copper
Odour:	Characteristic
10 % pH-value:	n.av.
Boiling point/range (°C):	n.av.
Melting point/range (°C):	180 (TP)
Flash point (°C):	> 200 (mineral oil)
Autoflammability:	n.c.
Minimum limit of explosion:	n.a.
Maximum limit of explosion:	n.a.
Vapour pressure:	n.c.
Density (g/ml):	1,0

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Solubility in water:

Insoluble

Viscosity:

> 7mm²/sec/40°C

10. Stability and reactivity

Conditions to avoid

See point 7

Protect from humidity.

Decomposition:

> 350°C

Materials to avoid

See point 7

Avoid contact with strong oxidizing agents.

Avoid contact with other chemicals.

Avoid contact with strong acids.

Avoid contact with strong alkalis.

Hazardous decomposition products

See point 5.3

Danger of explosion.

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:

n.c.

Carcinogenicity:

n.c.

Mutagenicity:

n.c.

Reproductive toxicity:

n.c.

Narcosis:

n.c.

Further information

No classification according to calculation procedure.

The following may occur:

Drying of the skin.

With long-term contact:

Irritation of the skin.

Allergic reaction possible.

12. Ecological information

Water hazard class (Germany):

1

Self classification:

Yes (VwVwS)

Persistence and degradability:

n.av.

Behaviour in sewage plants:

k.D.v.

AOX:

0%

Aquatic toxicity:

n.av.

Ecological toxicity:

n.av.

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

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allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)
07 06 99 wastes not otherwise specified
13 02 05 mineral-based non-chlorinated engine, gear and lubricating oils
20 01 26 oil and fat other than those mentioned in 20 04 25
Recommendation:
Pay attention to local and national official regulations
E.g. dispose at suitable refuse site.
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 01 paper and cardboard packaging
15 01 04 metallic packaging

14. Transport information

General statements

UN-Number: 3077

Road/Rail-transport (ADR/RID)

Class/packing-group: n.a.
Classification code: n.a.
LQ: n.a.

Transport by sea

IMDG-code: 9/III (class/packing-group)
EmS: F-A, S-F
Marine Pollutant: Yes
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COPPER)



Transport by air

IATA: 9/-/III (class/secondary danger/packing-group)
Environmentally hazardous substance, solid, n.o.s. (COPPER)

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: Not applicable
Indications of danger: ---
R-phrases:

S-phrases:

Additions: n.a.
Contains
Di-iso-octyl amino methyl tolutriazole
May produce an allergic reaction.
Observe restrictions: n.a.
VOC-CH 0%

16. Other information

These details refer to the product as it is delivered.
Storage class VCI (Germany): 10
Revised points: 14

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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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