

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Multiroll CU LF Special

Print date: 07.03.2015

Article No.: 26500

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

26500 Multiroll CU LF Special

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Water-soluble cooling lubricant.

1.3. Details of the supplier of the safety data sheet

| | | | |
|-------------------------|------------------------------------|------------|------------------------|
| Company name: | Zeller+Gmelin GmbH & Co. KG | | |
| Street: | Schlossstraße 20 | | |
| Place: | D-73054 Eisingen | | |
| Telephone: | +49 (0) 7161 / 802-0 | Telefax: | +49 (0) 7161 / 802-290 |
| e-mail: | info@zeller-gmelin.de | | |
| Contact person: | Uwe Allmendinger | Telephone: | +49 (0) 7161 / 802-297 |
| e-mail: | produktsicherheit@zeller-gmelin.de | | |
| Internet: | www.zeller-gmelin.de | | |
| Responsible Department: | Produktsicherheit / Product Safety | | |

1.4. Emergency telephone number:

Germany: +49 (0) 7161 / 802-400
In England and Wales: NHS Direct: 0845 4647 or 111 In Scotland: NHS 24 - 08454 24 24 24 In Republic of Ireland: 01 809 2166

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is not classified as hazardous according to Directive 1999/45/EC.

2.2. Label elements

Special labelling of certain mixtures

Safety data sheet available for professional user on request.

2.3. Other hazards

Results of PBT and vPvB assessment: not applicable.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water-soluble cooling lubricant.

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Hazardous components

| EC No | Chemical name | Quantity |
|------------------|---|-------------|
| CAS No | Classification according to Directive 67/548/EEC | |
| Index No | Classification according to Regulation (EC) No. 1272/2008 [CLP] | |
| REACH No | | |
| 212-222-7 | 1-phenoxypropan-2-ol | 5 - < 10 % |
| 770-35-4 | Xi - Irritant R36 Eye Irrit. 2; H319 | |
| 01-2119486566-23 | | |
| 224-027-4 | 2-phenoxypropan-1-ol | 1 - < 2.5 % |
| 4169-04-4 | Xi - Irritant R41 Eye Dam. 1; H318 | |
| 202-394-1 | benzotriazole | 1 - < 2.5 % |
| 95-14-7 | Xn - Harmful, Xi - Irritant R22-36-52-53 Acute Tox. 4, Eye Irrit. 2, Aquatic Chronic 3; H302 H319 H412 | |
| 01-2119979079-20 | | |
| 500-022-5 | 2,4,7,9-tetramethyldec-5-yne-4,7-diol, ethoxylated | 1 - < 2.5 % |
| 9014-85-1 | Xi - Irritant R36-52-53 | |
| 999-999-99-9 | Eye Irrit. 2, Aquatic Chronic 3; H319 H412 | |

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice. Remove contaminated, saturated clothing immediately.

After inhalation

Remove casualty to fresh air and keep warm and at rest.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Let water be drunken in little sips (dilution effect). Call a physician immediately. Do NOT induce vomiting.

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

When in doubt or if symptoms are observed, get medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂).

Unsuitable extinguishing media

Full water jet.

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5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon monoxide. Carbon dioxide (CO₂). Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Do not allow to enter into soil/subsoil.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Clean contaminated objects and areas thoroughly observing environmental regulations.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Do not eat, drink or smoke when using this product. Provide fresh air. Open and handle container with care. Conditions to avoid: Generation/formation of aerosols.

Advice on protection against fire and explosion

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect against: Frost. Keep away from heat. Protect against direct sunlight. Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

See chapter 7. No additional measures necessary.

Protective and hygiene measures

When using do not eat, drink, smoke, sniff.

Eye/face protection

Eye glasses with side protection.

Hand protection

Wear suitable gloves. Recommended glove articles: DIN EN 374. Suitable material: NBR (Nitrile rubber). Breakthrough time (maximum wearing time): > 480 min (Thickness of the glove material: 0.4 mm). Breakthrough times and swelling properties of the material must be taken into consideration. For

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special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Skin protection

Protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used. Suitable respiratory protection apparatus: Filtering Half-face mask (DIN EN 149), e.g. FFA P / FFP3.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|----------------|
| Physical state: | liquid |
| Colour: | yellowish |
| Odour: | characteristic |

pH-Value (at 20 °C):

Test method
8,3 DIN 51369 (30 g/L)

Changes in the physical state

| | |
|--|----------------------------------|
| Initial boiling point and boiling range: | not determined |
| Pour point: | not applicable |
| Flash point: | not applicable |
| Lower explosion limits: | not applicable |
| Upper explosion limits: | not applicable |
| Vapour pressure: | not determined |
| Density (at 15 °C): | 1,05 g/cm ³ DIN 51757 |
| Water solubility: | miscible |
| Viscosity / dynamic: | not determined |
| Viscosity / kinematic: | not determined |
| Flow time: | not determined |

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Acute toxicity

| CAS No | Chemical name | | | | |
|---------|-----------------|--------|-----------|---------|--------|
| | Exposure routes | Method | Dose | Species | Source |
| 95-14-7 | benzotriazole | | | | |
| | oral | LD50 | 560 mg/kg | Rat | |

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience

Other observations

Keeping to the general worker's protection rules and the industrial hygienics, there is no risk in handling this product through the personnel.

SECTION 12: Ecological information

12.2. Persistence and degradability

| CAS No | Chemical name | | | |
|----------|---|----------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 770-35-4 | 1-phenoxypropan-2-ol | | | |
| | Degree of elimination: | 90-100 % | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | |
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| | Readily biodegradable (according to OECD criteria). | | | |
| 95-14-7 | benzotriazole | | | |
| | Biodegradation | 90,0 % | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | |

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|---------|---------------|---------|
| 95-14-7 | benzotriazole | 1,34 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|---------|---------------|-----|---------|--------|
| 95-14-7 | benzotriazole | 4,1 | | |

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12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

Waste disposal number of waste from residues/unused products

120109 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; machining emulsions and solutions free of halogens
Classified as hazardous waste.

Contaminated packaging

Non-contaminated packages may be recycled. Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.
Marine pollutant: NO

Air transport (ICAO)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No data available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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EU regulatory information

2010/75/EU (VOC): 0%

National regulatory information

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant R-phrases (Number and full text)

- 22 Harmful if swallowed.
- 36 Irritating to eyes.
- 41 Risk of serious damage to eyes.
- 52 Harmful to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.

Relevant H- and EUH-phrases (Number and full text)

- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)