

Short Description and Safety Information for:

# EMUGE

## THREAD CUTTING OIL CHLORINE-FREE



### NON FERROUS

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**For non ferrous materials**

Can be used for brush and circulation lubrication.

**Available ex stock in plastic containers**

1 kg container	<b>Art. no. FZ191315.01</b>
5 kg container	<b>Art. no. FZ191315.05</b>
10 kg container	<b>Art. no. FZ191315.10</b>
20 kg container	<b>Art. no. FZ191315.20</b>



ZS10034 · GB · Rev. E

**EMUGE-Werk Richard Glimpel GmbH & Co. KG · Fabrik für Präzisionswerkzeuge**

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**Safety Information made in analogy to regulation (EC) No. 1907/2006 (REACH)****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Trade name/designation:**

EMUGE Thread Cutting Oil No. 4+ NON FERROUS

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture:**

Non water-miscible metalworking fluid

**1.3. Details of the supplier of the safety information****Supplier (manufacturer/importer/only representative/downstream user/distributor):**EMUGE-Werk Richard Glimpel GmbH & Co. KG · Fabrik für Präzisionswerkzeuge  
Nürnberger Str. 96-100, 91207 Lauf, GERMANY**Telephone:** +49 (0) 91 23 / 1 86-0**Telefax:** +49 (0) 91 23 / 1 86-2 37**E-Mail:** info@emuge.de**1.4. Emergency telephone number**Martin Rittger, person responsible for safety  
E-Mail: martin.rittger@emuge.deMo. - Thu. 7.00 - 15.00 h, Fr. 7.00 - 14.00 h  
Tel.: +49 (0) 91 23 / 1 86-1 28 or -0**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]:**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**Hazard statements:** -**Supplemental Hazard information (EU):** -**Precautionary statements:** -**2.3. Other hazards****Other adverse effects:**

No risks worthy of mention. Please observe the information on the safety information at all times.

**SECTION 3: Composition / information on ingredients****3.2. Mixtures****Description:**

Mixture of mineral oil and additives.

**Additional information:**

Substance with a common (EC) occupational exposure limit value. See section 8.

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

Change contaminated, saturated clothing.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety information if possible).

**Following inhalation:**

Following inhalation - Provide fresh air.

In case of respiratory tract irritation, consult a physician.

**In case of skin contact:**

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

In case of skin irritation, consult a physician.

**After eye contact:**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

**After ingestion:**

Let water be drunken in little sips (dilution effect).

Do NOT induce vomiting.

Call a physician immediately.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

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

Suitable extinguishing media Sand alcohol resistant foam Extinguishing powder Dry extinguishing powder

**Unsuitable extinguishing media:**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>) Sulphur oxides

**5.3. Advice for firefighters**

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

**5.4. Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel****Personal precautions:**

Use personal protection equipment. Remove all sources of ignition.

Special danger of slipping by leaking/spilling product.

**6.1.2. For emergency responders**

No data available

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up****For cleaning up:**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Collect in closed containers for disposal.

**6.4. Reference to other sections**

Disposal: see section 13

Personal protection equipment: see section 8

**6.5. Additional information**

No data available

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Protective measures****Advices on safe handling:**

All work processes must always be designed so that the following is as low as possible: Inhalation Skin contact Eye contact  
Always close containers tightly after the removal of product.

**Fire prevent measures:**

Usual measures for fire prevention.  
Keep away from sources of ignition. - No smoking.  
Take precautionary measures against static discharges.

**Environmental precautions:**

Shafts and sewers must be protected from entry of the product.  
Provide for retaining containers, eg. floor pan without outflow.

**Advices on general occupational hygiene**

Wash hands before breaks and after work.  
Do not put any product-impregnated cleaning rags into your trouser pockets.  
When using do not eat, drink, smoke, sniff.

**7.2. Conditions for safe storage, including any incompatibilities****Packaging materials:**

Keep/Store only in original container.

**Requirements for storage rooms and vessels:**

Keep container tightly closed. Provide for retaining containers, eg. floor pan without outflow.  
Only use containers specifically approved for the substance/product.  
Floors should be impervious, resistant to liquids and easy to clean.

**Hints on storage assembly:**

Materials to avoid: Oxidising agent

**Storage class:** 10 - Combustible liquids that cannot be assigned to any of the above storage classes

**Further information on storage conditions:**

Further information on storage conditions Protect against: Heat Frost  
Recommended storage temperature 15-25 °C  
storage stability min. 1 year.

**7.3. Specific end use(s)****Recommendation:**

Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

No data available

**8.2. Exposure controls****8.2.1. Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

**8.2.2. Personal protection equipment****Eye/face protection:**

Tightly sealed safety glasses.

**Safety Information made in analogy to regulation (EC) No. 1907/2006 (REACH)****Skin protection:**

Hand protection: Tested protective gloves must be worn - In case of prolonged or frequently repeated skin contact:

Suitable material: Suitable material: NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0,7 mm

Breakthrough time (maximum wearing time): > 480

**Respiratory protection:**

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist formation

**Other protection measures:**

Set out skin protection guidelines.

Wash hands before breaks and after work.

Apply skin care products after work.

Do not put any product-impregnated cleaning rags into your trouser pockets.

**8.2.3. Environmental exposure controls**

See section 7. No additional measures necessary.

**8.3. Additional information**

No data available

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

**Physical state:** liquid

**Colour:** red

**Odour:** characteristic

**Safety relevant basis data**

parameter		at °C	Method	remark
pH	<i>not determined</i>	0 °C		
Melting point/freezing point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 220 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	> 170 - 0 °C		DIN EN ISO 2592	
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	0.6 - 7 %			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	0.91 g/cm <sup>3</sup>	15 °C	DIN EN ISO 12185	
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/ water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>	40 °C	DIN EN ISO 3104	
Kinematic viscosity	≈ 35 mm <sup>2</sup> /s	40 °C	DIN EN ISO 3104	

**9.2. Other information**

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

There are no data available on the mixture itself.

**10.2. Chemical stability**

The product is stable.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

Protect against: Heat Frost

**10.5. Incompatible materials**

Materials to avoid Oxidising agent

**10.6. Hazardous decomposition products**

No decomposition under normal conditions.

Combustion products:

Carbon dioxide. Carbon monoxide. Sulphur oxides

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity:**

Toxicological data are not available.

**Acute dermal toxicity:**

Toxicological data are not available.

**Acute inhalation toxicity:**

Toxicological data are not available.

**Skin corrosion/irritation:**

There are no data available on the preparation/mixture itself.

Not an irritant.

The statement is derived from products of similar structure or composition.

**Eye damage/irritation:**

Not an irritant.

The statement is derived from products of similar structure or composition.

**Respiratory or skin sensitisation:**

not sensitising.

**Carcinogenicity:**

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

**STOT-single exposure:**

No information available.

**STOT-repeated exposure:**

No information available.

**Aspiration hazard:**

For viscosity data, see section 9.

**SECTION 12: Ecological information****12.1. Toxicity****Aquatic toxicity:**

There are no data available on the mixture itself.

Harmless to aquatic organisms up to the tested concentration

**12.2. Persistence and degradability****Biodegradation:**

No information available.

**12.3. Bioaccumulative potential**

No data available

**Safety Information made in analogy to regulation (EC) No. 1907/2006 (REACH)****12.4. Mobility in soil**

There are no data available on the mixture itself.  
It is adsorbed by the ground and has low mobility.

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**13.1.1. Product/Packaging disposal**

Waste codes/waste designations according to EWC/AVV

**Waste code product:**

12 01 07 *	mineral-based machining oils free of halogens (except emulsions and solutions)
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\*: Evidence for disposal must be provided.

**Waste treatment options****Appropriate disposal / Product:**

Dispose of waste according to applicable legislation.

**Appropriate disposal / Package:**

Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

**13.2. Additional information**

No data available

**SECTION 14: Transport information**

No dangerous good in sense of these transport regulations.

<b>14.1. UN-No.</b>	not relevant
<b>14.2. UN proper shipping name</b>	not relevant
<b>14.3. Transport hazard class(es)</b>	not relevant
<b>14.4. Packing group</b>	not relevant
<b>14.5. Environmental hazards</b>	not relevant
<b>14.6. Special precautions for user</b>	not relevant

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not relevant

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU legislation**

No data available

Safety Information made in analogy to regulation (EC) No. 1907/2006 (REACH)

**15.1.2. National regulations**

 [DE] National regulations

**Störfallverordnung**

remark:

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**Water hazard class (WGK)****WGK:**

1 - schwach wassergefährdend

**Source:**

Anh. 4

**15.2. Chemical Safety Assessment**

No information available.

**15.3. Additional information**

No data available

**SECTION 16: Other information****16.1. Indication of changes**

(previous version: 2013.1

19.06.2015 Version 2015.1

Indication of changes None.

**16.2. Abbreviations and acronyms**

No data available

**16.3. Key literature references and sources for data**

No data available

**16.4. Classification for mixtures and used evaluation method according to regulation  
(EC) 1272/2008 [CLP]****Classification according to Regulation (EC) No. 1272/2008 [CLP]:**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

**16.5. Relevant R-, H- and EUH-phrases (Number and full text)**

No data available

**16.6. Training advice**

No data available

**16.7. Additional 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 information, 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 information is not necessarily valid for the new made-up material.