

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

### **1.1 Product identifier**

Trade name : E031-K30 hebro®cut 86-106/1

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

Use of the Sub- : Cutting fluid  
stance/Mixture

### **1.3 Details of the supplier of the safety data sheet**

Company : hebro chemie- ZN der Rockwood Specialties Group  
GmbH  
Rostocker Str. 40  
41199 Mönchengladbach

Contact person : Zentrale hebro chemie  
Telephone : +49 (0) 2166 6009-0  
Telefax : +49 (0) 2166 6009-99

Contact person product safety : Abteilung Produktsicherheit  
Telephone : +49(0)2166 6009-311  
E-mail address : msds.de@hebro-chemie.de

### **1.4 Emergency telephone number**

: Giftinformationszentrum Erfurt:  
+49 (0) 361 730 730

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## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

#### **Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

### **2.2 Label elements**

#### **Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

#### **Additional Labelling**

EUH210 Safety data sheet available on request.  
EUH208 Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.

### **2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

The information required is contained in this Material Safety Data Sheet.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Preparation based on mineral oil, emulsifiers and extreme pressure additives (chlorine-free)

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0 274-263-7 01-2119492616-28	Skin Sens. 1B; H317	>= 2.5 - < 10
Phosphorodithioic acid, alkyl esters, zinc salts	68649-42-3 272-028-3	Eye Irrit. 2; H319 Aquatic Chronic 2; H411	>= 1 - < 2.5

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : No special precautions required.  
Call a physician if symptoms occur.
- If inhaled : Provide fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Take off immediately all contaminated clothing.  
Wash off immediately with soap and plenty of water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,  
for at least 15 minutes.  
Seek medical advice.
- If swallowed : Call a physician immediately.  
Keep at rest.  
Do NOT induce vomiting.

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

Symptoms : No information available.

Risks : No information available.

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

Treatment : Treat symptomatically.

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Water spray jet

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire-fighting : Combustion may cause:  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide

### **5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Avoid contact with skin, eyes and clothing.  
Refer to protective measures listed in sections 7 and 8.

### **6.2 Environmental precautions**

Environmental precautions : Do not let product enter drains.  
Inform the relevant authorities if it enters sewers, aquatic environment or soil.

### **6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

See chapter  
8  
and  
13

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid contact with skin and eyes.  
Ensure adequate ventilation.  
Smoking, eating and drinking should be prohibited in the application area.  
For personal protection see section 8.
- Advice on protection against fire and explosion : No special protective measures against fire required.
- Hygiene measures : Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Follow the water regulations. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original container in a cool, well-ventilated place.
- Further information on storage conditions : Keep away from heat. Keep at temperatures between 5°C and 40°C.
- Advice on common storage : No materials to be especially mentioned.

### 7.3 Specific end use(s)

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

- Eye protection : Safety glasses with side-shields conforming to EN166
- Hand protection  
Material : Nitrile rubber
- Remarks : Protective gloves complying with EN 374. The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Skin and body protection : To protect against splashes from pouring:  
Long sleeved clothing  
Remove and wash contaminated clothing before re-use.
- Respiratory protection : not required under normal use  
Breathing apparatus needed only when aerosol or mist is

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formed.  
Recommended Filter type:  
ABEK-filter

Protective measures : Handle in accordance with good industrial hygiene and safety practice.  
Do not inhale aerosol.  
Follow the skin protection plan.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : brown

Odour : characteristic

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : 200 °C

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : 0.93 g/cm<sup>3</sup> (20 °C)  
Method: DIN 51757

Solubility(ies)  
Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

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Decomposition temperature : No data available

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : 150 mm<sup>2</sup>/s (40 °C)

Flow time : No data available

Explosive properties : No data available

Oxidizing properties : No data available

## 9.2 Other information

Other physico-chemical properties: This information is not available/not determined.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

### 10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

### 10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

In case of fire hazardous decomposition products may be produced such as:

Carbon monoxid, carbon dioxid.

Smoke

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Product:

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

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### **Skin corrosion/irritation**

**Product:**

Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.  
May cause eye and skin irritation.

### **Serious eye damage/eye irritation**

**Product:**

Remarks: The liquid splashed in the eyes may cause irritation and reversible damage.

### **Respiratory or skin sensitisation**

**Product:**

Remarks: This information is not available.

### **Germ cell mutagenicity**

**Product:**

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

### **Carcinogenicity**

**Product:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

### **Reproductive toxicity**

**Product:**

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

### **STOT - single exposure**

**Product:**

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

### **STOT - repeated exposure**

**Product:**

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

### **Aspiration toxicity**

**Product:**

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

### **Further information**

**Product:**

Remarks: Health injuries are not known or expected under normal use.

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Ecotoxicology studies for the product are not available.

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : Do not flush into surface water or sanitary sewer system.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.  
Do not let product enter drains.  
Do not dispose of with domestic refuse.

Contaminated packaging : Dispose of in accordance with local regulations.

Waste Code : 120107 : mineral-based machining oils free of halogens (except emulsions and solutions)



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## **SECTION 14: Transport information**

### **14.1 UN number**

Not regulated as a dangerous good

### **14.2 UN proper shipping name**

Not regulated as a dangerous good

### **14.3 Transport hazard class(es)**

Not regulated as a dangerous good

### **14.4 Packing group**

Not regulated as a dangerous good

### **14.5 Environmental hazards**

Not regulated as a dangerous good

### **14.6 Special precautions for user**

Refer to protective measures listed in sections 7 and 8.

### **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable for product as supplied.

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## **SECTION 15: Regulatory information**

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

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.  
Regional or national implementations of GHS may not implement all hazard classes and categories.

### **15.2 Chemical safety assessment**

A Chemical Safety Assessment is not required for this substance.

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## **SECTION 16: Other information**

### **Full text of H-Statements**

H317 : May cause an allergic skin reaction.  
H319 : Causes serious eye irritation.  
H411 : Toxic to aquatic life with long lasting effects.

### **Full text of other abbreviations**

Aquatic Chronic : Chronic aquatic toxicity  
Eye Irrit. : Eye irritation  
Skin Sens. : Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response;

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

Other information : The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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