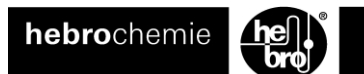


SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Impulse für Mensch und Umwelt

XE057-B21 hebro®cut 91-108

Version: 2.1

Revision Date 22.12.2016

Print Date 23.12.2016

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

1.1 Product identifier

Trade name : XE057-B21 hebro®cut 91-108

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

Use of the Sub- : Cooling lubricant for metal working with defined cutting edge,
stance/Mixture water-miscible and mineral oil free

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 : Wolfgang Schaffers
Telephone : +49 (0) 2166 6009-0
Telefax : +49 (0) 2166 6009-99

Contact person product safety : Abteilung Produktsicherheit
Telephone : +49(0)2166 6009-176
E-mail address : wolfgang.schaffers@chemetall.com

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

hebrochemie



Impulse für Mensch und Umwelt

XE057-B21 hebro®cut 91-108

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical nature : Preparation of vegetable oils and alcohol

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

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.

SAFETY DATA SHEET

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hebrochemie



Impulse für Mensch und Umwelt

XE057-B21 hebro®cut 91-108

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
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 (CO₂)
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.

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 materials 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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

hebrochemie



Impulse für Mensch und Umwelt

XE057-B21 hebro®cut 91-108

Version: 2.1

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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.

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)

Specific use(s) : Cooling lubricant for metal working with defined cutting edge, water-miscible and mineral oil free

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

Respiratory protection : not required under normal use
Breathing apparatus needed only when aerosol or mist is formed.
Recommended Filter type:
ABEK-filter

Hand protection : Nitrile rubber

SAFETY DATA SHEET

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hebrochemie



Impulse für Mensch und Umwelt

XE057-B21 hebro®cut 91-108

Version: 2.1

Revision Date 22.12.2016

Print Date 23.12.2016

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.

- Eye protection : Safety glasses with side-shields conforming to EN166
- Skin and body protection : To protect against splashes from pouring:
Long sleeved clothing
Remove and wash contaminated clothing before re-use.
- 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.
- Protective measures : Handle in accordance with good industrial hygiene and safety practice.
Do not inhale aerosol.
Follow the skin protection plan.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : brown
- Odour : mild
- Flash point : > 260 °C
- pH : Not applicable
- Density : 0.91 g/cm³
at 20 °C
Method: DIN 51757
- Water solubility : insoluble

SAFETY DATA SHEET

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hebrochemie



Impulse für Mensch und Umwelt

XE057-B21 hebro[®]cut 91-108

Version: 2.1

Revision Date 22.12.2016

Print Date 23.12.2016

Viscosity, kinematic : 42 mm²/s
at 40 °C

9.2 Other information

Explosivity : No data available

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

Risk of decomposition. : 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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

Skin irritation : 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.

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hebrochemie



Impulse für Mensch und Umwelt

XE057-B21 hebro[®]cut 91-108

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Serious eye damage/eye irritation

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

Respiratory or skin sensitisation

Sensitisation : This information is not available.

Carcinogenicity

Remarks : Not classifiable as a human carcinogen.

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

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicology studies for the product are not available.

12.2 Persistence and degradability

Biodegradability : No data available

12.3 Bioaccumulative potential

Bioaccumulation : No data available

12.4 Mobility in soil

Mobility : No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

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

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hebrochemie



Impulse für Mensch und Umwelt

XE057-B21 hebro®cut 91-108

Version: 2.1

Revision Date 22.12.2016

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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. |
| Packaging | : Do not dispose of with domestic refuse.
The hazard and precautionary statements displayed on the label also apply to any residues left in the container. |
| Contaminated packaging | : Dispose of in accordance with local regulations. |
| Waste Code | : 120107 mineral-based machining oils free of halogens (except emulsions and solutions) |

SECTION 14: Transport information

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

SECTION 15: Regulatory information

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

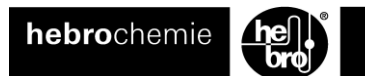
- | | |
|-------------------|--|
| Other regulations | : The product is classified and labelled in accordance with EC directives or respective national laws.
Regional or national implementations of GHS may not implement all hazard classes and categories. |
|-------------------|--|

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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Impulse für Mensch und Umwelt

XE057-B21 hebro®cut 91-108

Version: 2.1

Revision Date 22.12.2016

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SECTION 16: Other information

Further 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.