according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



E062-B21 hebro®cut PS 6000/5

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

1.1 Product identifier

Contact person

Telephone Telefax

Trade name : E062-B21 hebro®cut PS 6000/5

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

Use of the Sub- : Punching oil for the shaping of steel, stainless steel, alumini-

stance/Mixture um and brass

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 : Zentrale hebro chemie : +49 (0) 2166 6009-0 : +49 (0) 2166 6009-99

Contact person product safety
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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters air-

ways.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters airways.

Supplemental Hazard : EUH066 Repeated exposure may cause skin dryness or

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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Statements cracking.

Precautionary statements : Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON

CENTER/ doctor.

P331 Do NOT induce vomiting.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved

waste disposal plant.

Hazardous components which must be listed on the label:

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics



Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters airways.

Precautionary statements : P301 + P310 IF SWALLOWED: Immediately call a

POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/ container to an approved

waste disposal plant.

Hazardous components which must be listed on the label:

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Hydrocarbons, C11 - C14, isoalkanes, cyclics, < 2 % aromatics

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.

Ecological information: This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

Toxicological information: This substance/mixture does not contain components considered to have endocrine disrupting properties for human health according to UK REACH Article 57(f),

SECTION 3: Composition/information on ingredients

3.2 Mixtures

2/14

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Chemical nature : Preparation of mineral and vegetable oils plus extreme pres-

sure additives

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
Hydrocarbons, C11-C13, isoal-	90622-58-5	Asp. Tox. 1; H304	>= 10 - < 25
kanes, <2% aromatics		Flam. Liq. 3; H226	
	01-2119472146-39		
Distillates (petroleum), solvent-	64742-56-9	Asp. Tox. 1; H304	>= 2.5 - < 10
dewaxed light paraffinic; Baseoil -	265-159-2		
unspecified	01-2119480132-48		
Hydrocarbons, C11-C13, isoal-	Not Assigned	Asp. Tox. 1; H304	>= 2.5 - < 10
kanes, <2% aromatics	920-901-0	EUH066	
	01-2119456810-40		
Hydrocarbons, C11 - C14, isoal-	Not Assigned	Asp. Tox. 1; H304	>= 2.5 - < 10
kanes, cyclics, < 2 % aromatics	927-285-2		
	01-2119480162-45		
Hydrocarbons, C15-C20, n-	Not Assigned	Asp. Tox. 1; H304	>= 1 - < 2.5
alkanes, isoalkanes, cyclics, <			
0.03% aromatics	01-2119827000-58		

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : When symptoms persist or in all cases of doubt seek medical

advice.

If inhaled : Provide fresh air.

Keep patient warm and at rest.

In case of skin contact : Take off all contaminated clothing immediately.

After contact with skin, wash immediately with plenty of soap

and water.

In case of eye contact : In case of eye contact, remove contact lens and rinse imme-

diately with plenty of water, also under the eyelids, for at least

15 minutes.

If swallowed : Do NOT induce vomiting.

Keep at rest.

Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Risks : May be fatal if swallowed and enters airways.

4.3 Indication of any immediate medical attention and special treatment needed

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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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

Hazardous decomposition products formed under fire condi-

tions.

Carbon monoxide Nitrogen oxides (NOx) Carbon dioxide (CO2)

5.3 Advice for firefighters

for firefighters

Special protective equipment : Wear self-contained breathing apparatus for firefighting if nec-

essary.

Specific extinguishing meth-

ods

Use water spray to cool unopened containers.

Suppress (knock down) gases/vapours/mists with a water

spray jet.

Further information 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 Ensure adequate ventilation.

Do not breathe vapours, aerosols.

6.2 Environmental precautions

Environmental precautions Inform the relevant authorities if it enters sewers, aquatic envi-

ronment 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

Refer to protective measures listed in sections 7 and 8., For disposal considerations see section 13.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Keep away from open flames, hot surfaces and sources of

ignition.

Take precautionary measures against static discharges.

For personal protection see section 8.

Advice on protection against :

fire and explosion

Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Follow the water regulations. Keep only in the original container in a cool, well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent

leakage.

Further information on stor-

age conditions

Protect from heat and sunlight. Keep away from sources of

ignition - No smoking.

Advice on common storage : Incompatible with oxidizing agents.

7.3 Specific end use(s)

Specific use(s) : Punching oil for the shaping of steel, stainless steel, alumini-

um and brass

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health ef-	Value
			fects	
Distillates (petrole- um), solvent-dewaxed light paraffinic; Baseoil - unspecified	Workers	Inhalation	Long-term systemic effects	2.7 mg/m3
	Workers	Skin contact	Long-term systemic effects	1 mg/kg bw/day

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

Hand protection

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Material : Protective gloves complying with EN 374.

Break through time : > 60 min Protective index : Class 3

Material : Nitrile rubber Glove thickness : 0.4 mm

Material : butyl-rubber Glove thickness : 0.5 mm

Remarks : The choice of an appropriate glove does not only depend on

its material but also on other quality features and is different from one producer to the other. The exact break through time can be obtained from the protective glove producer and this

has to be observed.

Skin and body protection : Chemical resistant protective clothing according to DIN EN

13034 (Type 6)

Work uniform or laboratory coat.

Respiratory protection : If product forms vapours or aerosols wear breathing protec-

tion.

Filter type : Combined acidic gas/vapour, ammonia/amines and organic

vapour type (AEK)

Protective measures : Follow the skin protection plan.

Environmental exposure controls

Water : Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : yellow

Odour : mild

Melting point/freezing point : not determined

Boiling point/boiling range : 250 °C

Method: DIN 51751

Upper explosion limit / Upper

flammability limit

Upper flammability limit

7 %(V)

Lower explosion limit / Lower : Lower flammability limit

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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flammability limit 0.6 %(V)

Flash point 73 °C

Method: ASTM D 93, closed cup

Auto-ignition temperature 200 °C

рΗ 7.8

Concentration: 100 %

Viscosity

Viscosity, dynamic 5.1 mPa*s (40 °C)

Viscosity, kinematic 5.61 mm²/s (40 °C)

Solubility(ies)

Water solubility insoluble

Partition coefficient: n-

octanol/water

not determined

Vapour pressure not determined

Density 0.83 g/cm³ (20 °C)

Method: DIN 51757

Relative vapour density not determined

9.2 Other information

Explosives Vapours may form explosive mixture with air.

Flammability (liquids) Combustible liquids

Substances and mixtures, which in contact with water,

emit flammable gases

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Product is stable under appropriate usage.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified due to lack of data.

Components:

Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Method: OECD Test Guideline 402

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.266 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg

Skin corrosion/irritation

Not classified due to lack of data.

Serious eye damage/eye irritation

Not classified due to lack of data.

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Components:

Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified:

Species Guinea pig

Method OECD Test Guideline 406 Remarks No sensitising effects are known.

Germ cell mutagenicity

Not classified due to lack of data.

Components:

Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified:

Genotoxicity in vitro Test Type: Ames test

Remarks: In vitro tests did not show mutagenic effects

Carcinogenicity

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

Product:

Carcinogenicity - Assess- : Not classifiable as a human carcinogen.

ment

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Aspiration toxicity

May be fatal if swallowed and enters airways.

Product:

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment This substance/mixture does not contain components consid-

ered to have endocrine disrupting properties for human health

according to UK REACH Article 57(f),

Further information

Product:

According to many years of experience, there are no known Remarks

harmful effects when handled properly.

Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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components.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics:

Toxicity to daphnia and other : NOEC: >= 1 mg/l aquatic invertebrates (Chron-Exposure time: 21 d

ic toxicity) Species: Daphnia magna (Water flea)

Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified:

Toxicity to fish : LC50 (Pimephales promelas (Fathead minnow)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to algae/aquatic

plants

NOEC (Pseudokirchneriella subcapitata (green algae)): > 100

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to microorganisms : NOEC (Bacteria): > 1,000 mg/l

Exposure time: 40 h

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

EC50: > 100 mg/l

Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics:

Toxicity to fish : EC50 (Fish): > 1,028 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia (water flea)): > 3,193 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (Algae): > 10,000 mg/l

plants Exposure time: 72 h

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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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 Endocrine disrupting properties

Product:

Assessment : This substance/mixture does not contain components consid-

ered to have endocrine disrupting properties for environment

according to UK REACH Article 57(f).

12.7 Other adverse effects

Product:

Additional ecological infor-

mation

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packaging : Dispose of in accordance with local regulations.

Waste Code : Waste codes should be assigned by the user, preferably in

discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA_P : Not regulated as a dangerous good

14.2 UN proper shipping name

ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA_P : Not regulated as a dangerous good

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA_P : Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA (Cargo) : Not regulated as a dangerous good

IATA_P (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the fol-

lowing entries should be considered:

Number on list 3 Not applicable

UK REACH Candidate list of substances of very high

concern (SVHC) for Authorisation

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Brit-

ain)

Not applicable

Regulation (EC) on substances that deplete the ozone

laver

Not applicable

UK REACH List of substances subject to authorisation

(Annex XIV)

Not applicable

GB Export and import of hazardous chemicals - Prior

Informed Consent (PIC) Regulation

Not applicable

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15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H226 : Flammable liquid and vapour.

H304 : May be fatal if swallowed and enters airways.

EUH066 : Repeated exposure may cause skin dryness or cracking.

Full text of other abbreviations

Asp. Tox. : Aspiration hazard Flam. Liq. : Flammable liquids

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; 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; 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; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals 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.

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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.

Guideline on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) : no component is listed

No PFAS are consciously added to the product concerning the restriction proposal for inclusion to REACh (Annex XVII).

Classification of the mixture:

Classification procedure:

Asp. Tox. 1

H304

Based on product data or assessment

GB/EN