

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### MECUT-MMKS-UNIVERSAL STEEL+ALU Art. 60 1151

Revision date: 01.01.2024

Product code: 30

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

### 1.1. Product identifier

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

#### Use of the substance/mixture

Cutting oil

#### Uses advised against

No information available.

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

Company name: Karnasch Professional Tools GmbH  
 Street: Theodor-Heuss-Anlage 12  
 Place: D-68165 Mannheim  
 Telephone: +49 (0) 6203 / 4039 - 0  
 E-mail: info@atakarnasch.com  
 Contact person: Volker Mayer, Sascha Riedel  
 Internet: www.karnasch.tools  
 Responsible Department: Volker Mayer, Sascha Riedel:  
 Tel: 06203 / 4039 - 0

### 1.4. Emergency telephone number:

Emergency telephone number (24h) + 44 1235 239670 (en)

### Further Information

Reserved for industrial and professional use.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

#### Additional advice on labelling

Das Gemisch ist nicht als gefährlich eingestuft im Sinne der Richtlinie 1999/45/EG.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

### Further Information

Full text of H- and EUH-statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps. First aider:  
 Pay attention to self-protection!  
 Symptoms can occur only after several hours.

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**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.

**After contact with skin**

Remove contaminated, saturated clothing immediately.

**After contact with eyes**

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

**After ingestion**

Do NOT induce vomiting.

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

No information available.

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

Water fog. Extinguishing powder. Carbon dioxide. Foam.

**Unsuitable extinguishing media**

High power water jet.

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

In case of fire may be liberated:

Carbon dioxide (CO<sub>2</sub>).

Carbon monoxide

Nitrogen oxides (NO<sub>x</sub>).

**5.3. Advice for firefighters**

Do not inhale explosion and combustion gases. Wear a self-contained breathing apparatus and chemical protective clothing.

**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****General advice**

Wear personal protection equipment. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

**For non-emergency personnel**

Special danger of slipping by leaking/spilling product.

**For emergency responders**

Self-protection of the first aider Remove affected person from the danger area and lay down. Do not leave affected person unattended. Remove all sources of ignition. Use appropriate respiratory protection.

**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). Treat the recovered material as prescribed in the section on waste disposal.

Collect in closed containers for disposal.

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

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

Clean contaminated articles and floor according to the environmental legislation.

Clean with detergents. Avoid solvent cleaners.

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**6.4. Reference to other sections**

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid oil mist  
Use only in well-ventilated areas.  
When using do not eat, drink or smoke.

**Further information on handling**

High slip hazard because of leaking or spilled product.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.  
Recommended storage temperature: 5-40 °C

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.  
Maximum period of storage (time): 3

**Further information on storage conditions**

Protect from sunlight. Store in a well-ventilated place.

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

Observe technical data sheet.  
Reserved for industrial and professional use.

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

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
122-39-4	Diphenylamine	-	10		TWA (8 h)	
		-	20		STEL (15 min)	

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

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

**Eye/face protection**

EN 166

**Hand protection**

Protect skin by using skin protective cream.  
Wash hands before breaks and after work.

**Skin protection**

Chemical resistant safety shoes. Take off immediately all contaminated clothing.

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Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**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:	amber coloured
Odour:	characteristic

**Test method**

pH-Value:	not applicable
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**Changes in the physical state**

Boiling point or initial boiling point and boiling range:	not determined
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Flash point:	>180 °C DIN EN 57
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**Explosive properties**

No information available.

Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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**Oxidizing properties**

No information available.

Vapour pressure:	not determined
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Vapour pressure:	not determined
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Density (at 20 °C):	0,90 g/cm <sup>3</sup> EN ISO 12185
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Viscosity / dynamic:	not determined
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Viscosity / kinematic: (at 40 °C)	30 mm <sup>2</sup> /s ASTM D 7042
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**9.2. Other information**

No information available.

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

No known hazardous reactions.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Protect against: heat.

**10.5. Incompatible materials**

The following must be prevented: Oxidizing agents, strong. acid.

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**10.6. Hazardous decomposition products**

Hazardous decomposition products: none

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

There are no data available on the preparation/mixture itself.  
Data apply to the main component.

**Acute toxicity**

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

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.  
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.  
Carcinogenicity: Based on available data, the classification criteria are not met.  
Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**Additional information on tests**

No risks worthy of mention. Practical experience.  
The statement is derived from the properties of the single components.  
The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

**11.2. Information on other hazards****Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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

The statement is derived from the properties of the components.

**12.2. Persistence and degradability**

Product is not easily biodegradable.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

in delivery condition: liquid

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

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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Avoid release to the environment.

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

Dispose of contents/container to an appropriate recycling or disposal facility. Collect in closed containers for disposal. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

120107 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; mineral-based machining oils free of halogens (except emulsions and solutions); hazardous waste

**List of Wastes Code - used product**

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; hazardous waste

**Contaminated packaging**

Non-contaminated packages may be recycled.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** No dangerous good in sense of these transport regulations.

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

**14.4. Packing group:** No dangerous good in sense of these transport regulations.

**Other applicable information (land transport)**

Not restricted

**Inland waterways transport (ADN)**

**14.1. UN number:** No dangerous good in sense of these transport regulations.

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

**14.4. Packing group:** No dangerous good in sense of these transport regulations.

**Other applicable information (inland waterways transport)**

Not restricted

**Marine transport (IMDG)**

**14.1. UN number:** No dangerous good in sense of these transport regulations.

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

**14.4. Packing group:** -

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## Other applicable information (marine transport)

Not restricted

## Air transport (ICAO-TI/IATA-DGR)

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

## Other applicable information (air transport)

Not restricted

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Personal protection equipment: see section 8

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

## SECTION 15: Regulatory information

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

## EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Directive 2004/42/EC on VOC in paints 0,3 % (2,7 g/l)

and varnishes:

## Additional information

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

## National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

## Changes

This data sheet contains changes from the previous version in section(s): 1,2,4,6,7,11,12,13,15,16.

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan),

ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

## Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

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LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

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