

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Mecutwachs Art.-Nr.: 60 1200**

Revision date: 01.01.2021

Product code: 35

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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**

Metalworking wax

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

Company name:	Karnasch Professional Tools GmbH	
Street:	Siemensstr. 1	
Place:	D-68542 Heddesheim	
Telephone:	+49 (0) 62 03 / 40 39 - 0	Telefax: +49 (0) 6203 4159 - 0
e-mail:	info@karnasch.tools	
Contact person:	Volker Mayer, Sascha Riedel	
Internet:	www.karnasch.tools	
Responsible Department:	Volker Mayer, Sascha Riedel: Tel: 06203 / 4039 - 0 Tel: 033675 / 7265 - 0	

**1.4. Emergency telephone number:**

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

**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****Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH208	Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**2.3. Other hazards**

No information available.

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

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
73138-44-0	Ester der Montansäuren (einem Wachssäuregemisch ca. C24-C34)			25 - < 30 %
	914-460-3		01-2119480144-43	
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic			5 - < 10 %
	265-157-1		01-2119484627-25	
	Asp. Tox. 1; H304			
9003-13-8	Polypropylenglykolmonobutylether			5 - < 10 %
			01-2119492302-43	
106-20-7	Di(2-ethylhexyl)-amin			0.1 - < 1 %
	203-372-4		01-2119977118-28	
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Aquatic Chronic 1; H331 H311 H302 H314 H410			

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

**Specific concentration limits and M-factors**

CAS No	EC No	Chemical name	Quantity
	Specific concentration limits and M-factors		
106-20-7	203-372-4	Di(2-ethylhexyl)-amin	0.1 - < 1 %
	M chron.; H410: M=1		

**Further Information**

The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

**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!

**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 skin, wash immediately with plenty of water and soap.

**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. In case of swallowing, keep the patient at rest and contact a doctor.

**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**

Treat symptomatically

**SECTION 5: Firefighting measures**

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**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**

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

**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**

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

Large quantities remove mechanically

Clean contaminated articles and floor according to the environmental legislation.

Clean with detergents. Avoid solvent cleaners.

**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.

Direct contact with skins avoid.

When using do not eat, drink or smoke.

**Advice on protection against fire and explosion**

Prevent access by unauthorised personnel.

**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.

Do not store with strong oxidizing agents.

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Maximum period of storage (time): 3 Years

**Further information on storage conditions**

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

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

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Additional advice on limit values**

The product does not contain any relevant quantities of materials with workplace limit values.

**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.

**Protective and hygiene measures**

Use personal protection equipment as per Directive 89/686/EEC.

**Eye/face protection**

Use glasses or face shield if there is a risk of splashing. DIN EN 166

**Hand protection**

Protect skin by using skin protective cream.

Wash hands before breaks and after work.

Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0,9-1 mm; CE-certified acc. EN 374 cat III)

**Skin protection**

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

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

**Respiratory protection**

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

**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: Metal cutting paste  
 Colour: yellow brown  
 Odour: characteristic

pH-Value: not applicable

**Changes in the physical state**

Initial boiling point and boiling range: not determined

Flash point: 250 °C DIN ISO 2592

Lower explosion limits: not determined

**Test method**

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Upper explosion limits:	not determined
Ignition temperature:	350 °C ASTM E 659
Vapour pressure:	not determined
Density (at 20 °C):	1 g/cm <sup>3</sup> DIN EN ISO 12185
Viscosity / kinematic: (at 40 °C)	not determined

**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.

**10.6. Hazardous decomposition products**

Hazardous decomposition products: none

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicokinetics, metabolism and distribution**

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

Data apply to the main component.

**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
73138-44-0	Ester der Montansäuren (einem Wachssäuregemisch ca. C24-C34)				
	oral	LD50 > 5000 mg/kg	Ratte		OECD 401
	dermal	LD50 > 5000 mg/kg	Ratte		OECD 402
9003-13-8	Polypropylenglykolmonobutylether				
	oral	LD50 15000 mg/kg	Ratte		
106-20-7	Di(2-ethylhexyl)-amin				
	oral	LD50 1640 mg/kg	Rat		
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 3 mg/l			
	inhalation aerosol	ATE 0,5 mg/l			

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**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).

**SECTION 12: Ecological information**

**12.1. Toxicity**

The statement is derived from the properties of the components.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
73138-44-0	Ester der Montansäuren (einem Wachssäuregemisch ca. C24-C34)					
	Acute fish toxicity	LC50 >10000 mg/l	96 h	Zebrabärbling	OECD 203	
	Acute crustacea toxicity	EC50 > 10000 mg/l	48 h	Daphnia magna		OECD 202
	Acute bacteria toxicity	(> 10000 mg/l)		Belebtschlamm		OECD 209
9003-13-8	Polypropylenglykolmonobutylether					
	Acute fish toxicity	LC50 2200 - 5000 mg/l	96 h	Zebrabärbling		

**12.2. Persistence and degradability**

Product is not easily biodegradable.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
73138-44-0	Ester der Montansäuren (einem Wachssäuregemisch ca. C24-C34)			
	OECD 301 D	22%	28	
	Potentiell teilweise biologisch abbaubar			

**12.3. Bioaccumulative potential**

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
73138-44-0	Ester der Montansäuren (einem Wachssäuregemisch ca. C24-C34)	2

**12.4. Mobility in soil**

in delivery condition: viscous

**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**

Avoid release to the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

The following advice relates to the product that has been left and not to any processed Products. When mixed with other products other disposal methods may become necessary. In doubt, please consult the product supplier or local authority for advice.

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

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120112 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; spent waxes and fats; hazardous waste

**List of Wastes Code - used product**

120112 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; spent waxes and fats; 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.

**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.

**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:** -

**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:** -

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Personal protection equipment: see section 8

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

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 28

2010/75/EU (VOC): 0,0 g/L

2004/42/EC (VOC): 0,0 %

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**National regulatory information**

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

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:  
Ester der Montansäuren (einem Wachssäuregemisch ca. C24-C34)  
Polypropylenglykolmonobutylether

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 1,15.

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%  
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  
Repr. - Reproduktionstoxizität  
Asp. Tox. - Aspirationstoxizität  
Acute Tox. - Akute Toxizität  
Aquatic Acute - Akute aquatische Toxizität  
Aquatic Chronic - Chronische aquatische Toxizität  
Eye Dam. - Augenschaden/-reizung

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Eye Irrit. - Augenreizung  
Skin Corr. - Ätzwirkung auf die Haut  
Skin Irrit. - Hautreizung  
Skin Sens. - Hautallergen  
Resp. Sens. - Inhalationsallergen  
STOT SE - Spezifische Zielorgan-Toxizität - einmalige Exposition  
STOT RE - Spezifische Zielorgan-Toxizität - wiederholte Exposition  
VOC - Flüchtige organische Verbindungen

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**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H331	Toxic if inhaled.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**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.

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