

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**MECUTOIL 100 PRO Art. 60 1200 25, 60 1200 10**

Revision date: 19.02.2020

Product code: 276

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

MECUTOIL 100 PRO Art. 60 1200 25, 60 1200 10

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Watersoluble Metalworkingfluid

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

Company name:	Karnasch Professional Tools GmbH	
Street:	Siemensstr. 1	
Place:	D-68542 Heddeshheim	
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**

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			
64742-56-9	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed light paraffinic			10 - < 15 %
	265-159-2		01-2119480132-48	
	Asp. Tox. 1; H304			
122-99-6	2-phenoxyethanol			5 - < 10 %
	204-589-7	603-098-00-9	01-2119488943-21	
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
68608-26-4	Natriumsulfonat			1 - < 2.5 %
	271-781-5		01-2119527859-22	
	Eye Irrit. 2; H319			

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.

**After inhalation**

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

**After contact with skin**

Remove contaminated, saturated clothing immediately. Gently wash with plenty of soap and water.

**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**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Water fog. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

High power water jet.

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

In case of fire may be liberated:

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

Carbon monoxide

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

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**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Full protective suit.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Contain and control the leaks or spills with noncombustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal  
Do not allow to enter into surface water or drains.

**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**

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**

When using do not eat, drink or smoke.  
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  
Maximum period of storage (time): 1 year

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.  
Do not store with strong oxidizing agents.

**Further information on storage conditions**

the regulations relating to storage premises apply to workshops where the product is handled.

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

Watersoluble Metalworkingfluid

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

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**DNEL/DMEL values**

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
122-99-6	2-phenoxyethanol		
Worker DNEL, long-term	dermal	systemic	34,72 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	8,07 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	8,07 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	17,43 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	17,43 mg/kg bw/day
Consumer DNEL, long-term	dermal	local	20,83 mg/person/day
Consumer DNEL, long-term	inhalation	local	2,5 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	2,5 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	
Environmental compartment	Value	
122-99-6	2-phenoxyethanol	
Freshwater	0,943 mg/l	
Marine water	0,0943 mg/l	
Freshwater sediment	7,2366 mg/kg	
Marine sediment	0,7237 mg/kg	
Soil	1,26 mg/kg	

**Additional advice on limit values**

Pyridin-2-thiol-1-oxid, Natriumsalz (CAS 3811-73-2) 0,2 E mg/m<sup>3</sup> (02/19).

**8.2. Exposure controls**



**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.

Wear protective gloves if advisable under safety aspects.

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.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	yellow brown
Odour:	characteristic
Odour threshold:	characteristic

pH-Value (at 20 °C):

in aqueous solution 5% ; 8,9

**Test method**

DIN 51369

**Changes in the physical state**

Initial boiling point and boiling range:	not determined
Pour point:	not determined
Flash point:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined
Vapour pressure:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,99 g/cm <sup>3</sup> EN ISO 12185
Viscosity / dynamic:	not determined
Viscosity / kinematic: (at 20 °C)	77 mm <sup>2</sup> /s ASTM D 7042

**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity****10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**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**

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**Acute toxicity**

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
64742-56-9	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed light paraffinic					
	oral	LD50 > 5000 mg/kg		RAT		
	dermal	LD50 >5000 mg/kg		RABBIT		
122-99-6	2-phenoxyethanol					
	oral	LD50 1840 mg/kg		Rat		
	dermal	LD50 > 2214 mg/kg		Rabbit		

**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**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-56-9	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed light paraffinic					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Dickkopfritzel		
	Acute algae toxicity	ErC50 > 100 mg/l		GHRunalgen		
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna		
122-99-6	2-phenoxyethanol					
	Acute fish toxicity	LC50 220 - 460 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 > 500 mg/l	72 h	Scenedesmus sp.		
	Acute crustacea toxicity	EC50 > 500 mg/l	48 h	Daphnia magna		
	Fish toxicity	NOEC 23 mg/l		Pimephales promelas		
	Crustacea toxicity	NOEC 9,43 mg/l		Daphnia magna		
	Acute bacteria toxicity	(880 mg/l)		Bacteria		

**12.2. Persistence and degradability**

The product has not been tested.

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CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
64742-56-9	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed light paraffinic				
	OECD TG 301 B		30%	28	
	Inhärenter Schlamm		30 %	28	
122-99-6	2-phenoxyethanol				
	OECD 301 F		90 %		
	Das Produkt ist biologisch leicht abbaubar.				
	OECD 301 A		90 %		
	Das Produkt ist biologisch leicht abbaubar.				

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
122-99-6	2-phenoxyethanol	1,2

**BCF**

CAS No	Chemical name	BCF	Species	Source
122-99-6	2-phenoxyethanol	< 100		

**12.4. Mobility in soil**

in delivery condition: liquid

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

none according to Regulation (EC) No. 1907/2006 (REACH)

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Completely emptied packings can be re-cycled. Dispose of waste according to applicable legislation.

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

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

**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

**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)**

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- 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

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Employment restrictions: Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously 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): 1,2,3,4,7,8,9,15,16.

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

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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  
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

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

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
EUH210	Safety data sheet available on request.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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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.)*