

Safety Data Sheet

according to Regulation (EC) No 1907/2006

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

Revision date: 17.03.2025

Product code: KAR275

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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

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

Skin Irrit. 2; H315
 Eye Dam. 1; H318
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

2-phenoxyethanol
 Fatty acids, tall-oil, reaction products with acrylic acid
 potassium hydroxide; caustic potash
 Carbonic acid; guanidine

Signal word: Danger

Pictograms:



Hazard statements

H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P264 Wash hands and face thoroughly after handling.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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P302+P352	IF ON SKIN: Wash with plenty of Water..
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

Special labelling of certain mixtures

EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, 2-methylisothiazol-3(2H)-one. May produce an allergic reaction. 1 - < 2,5 per cent of the mixture consists of component(s) of unknown acute toxicity (inhalation).
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2.3. Other hazards

Avoid release to the environment.

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified			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 Dam. 1, STOT SE 3; H302 H318 H335			
1469983-44-5	Fatty acids, tall-oil, reaction products with acrylic acid			2.5 - < 5 %
	939-424-4		01-2119972299-21	
	Skin Irrit. 2, Eye Dam. 1; H315 H318			
68511-37-5	Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates			1 - < 2.5 %
	614-543-1			
	Skin Irrit. 2; H315			
68608-26-4	Sulfonic acids, petroleum, sodium salts			1 - < 2.5 %
	271-781-5		01-2119527859-22	
	Eye Irrit. 2; H319			
1310-58-3	potassium hydroxide; caustic potash			1 - < 2.5 %
	215-181-3			
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1; H290 H302 H314 H318			
593-85-1	Carbonic acid; guanidine			1 - < 2.5 %
	209-813-7		01-2119968552-29	
	Acute Tox. 4, Eye Dam. 1; H302 H318			
3302-10-1	3,5,5-trimethylhexanoic acid			1 - < 2.5 %
	221-975-0		01-2119517580-45	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318			
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl			0.1 - < 1 %
	201-993-5		01-2119511183-53	
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H315 H319 H335 H400 H410			
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			0.1 - < 1 %
	203-961-6		01-2119475104-44	
	Eye Irrit. 2; H319			
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one			< 0.05 %
	220-120-9	613-088-00-6		
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H315 H318 H317 H400 H410			
141-43-5	2-aminoethanol; ethanolamine			< 0.1 %
	205-483-3	603-030-00-8	01-2119486455-28	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, STOT SE 3, Aquatic Chronic 3; H332 H312 H302 H314 H318 H317 H335 H412			
2682-20-4	2-methylisothiazol-3(2H)-one			< 0.0015 %
	220-239-6		01-2120764690-50	

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Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071
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Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-56-9	265-159-2	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified	10 - < 15 %
		oral: LD50 = 5000 mg/kg	
122-99-6	204-589-7	2-phenoxyethanol	5 - < 10 %
		dermal: LD50 = >2000 mg/kg; oral: ATE 1394 mg/kg	
1469983-44-5	939-424-4	Fatty acids, tall-oil, reaction products with acrylic acid	2.5 - < 5 %
		oral: LD50 = 6176 mg/kg	
68511-37-5	614-543-1	Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates	1 - < 2.5 %
		oral: LD50 = >2000 mg/kg	
68608-26-4	271-781-5	Sulfonic acids, petroleum, sodium salts	1 - < 2.5 %
		dermal: LD50 = > 5001 mg/kg; oral: LD50 = > 5001 mg/kg	
1310-58-3	215-181-3	potassium hydroxide; caustic potash	1 - < 2.5 %
		oral: LD50 = 333-388 mg/kg Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2	
593-85-1	209-813-7	Carbonic acid; guanidine	1 - < 2.5 %
		inhalation: Data lacking (gases); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1045 mg/kg	
3302-10-1	221-975-0	3,5,5-trimethylhexanoic acid	1 - < 2.5 %
		oral: LD50 = 1160 mg/kg	
90-43-7	201-993-5	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	0.1 - < 1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 2733 mg/kg	
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	0.1 - < 1 %
		dermal: LD50 = 2764 mg/kg; oral: LD50 = 3305 mg/kg	
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0.05 %
		dermal: LD50 = > 2001 mg/kg; oral: LD50 = 670 mg/kg Skin Sens. 1; H317: >= 0,05 - 100 Aquatic Acute 1; H400: M=1	
141-43-5	205-483-3	2-aminoethanol; ethanolamine	< 0.1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 1025 mg/kg; oral: LD50 = 1515 mg/kg STOT SE 3; H335: >= 5 - 100	
2682-20-4	220-239-6	2-methylisothiazol-3(2H)-one	< 0.0015 %
		inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = 242 mg/kg; oral: LD50 = 120-249 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	

Further Information

No information available.

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. Call a doctor if you feel unwell.

After contact with skin

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. In case of troubles or persistent symptoms, consult an ophthalmologist.

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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. Foam. Dry extinguishing powder. Carbon dioxide (CO₂).

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_x).

Carbon monoxide

Carbon dioxide (CO₂).

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

General advice

See protective measures under point 7 and 8.

High slip hazard because of leaking or spilled product. Do not breathe mist/vapours/spray. Provide adequate ventilation.

For non-emergency personnel

Take off immediately all contaminated clothing and wash it before reuse.

For emergency responders

The danger areas must be delimited and identified using relevant warning and safety signs. Move victim out of danger zone.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).

Other information

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.

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.

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When using do not eat, drink or smoke.

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.

7.3. Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	
		15	101.2		STEL (15 min)	
141-43-5	2-Aminoethanol	1	2.5		TWA (8 h)	
		3	7.6		STEL (15 min)	
141-43-5	Ethanolamine (2-Aminoethanol)	1	2.5		TWA (8 h)	
		3	7.6		STEL (15 min)	
1310-58-3	Potassium hydroxide	-	2		STEL (15 min)	
1310-73-2	Sodium hydroxide	-	2		STEL (15 min)	

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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified			
Worker DNEL, long-term		inhalation	systemic	2,73 mg/m³
Worker DNEL, long-term		inhalation	local	5,58 mg/m³
Worker DNEL, long-term		dermal	systemic	0,97 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,74 mg/kg bw/day
Consumer DNEL, long-term		inhalation	local	1,19 mg/m³
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/m³
Worker DNEL, long-term		inhalation	local	8,07 mg/m³
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/m³
Consumer DNEL, acute		inhalation	local	2,5 mg/m³
1469983-44-5	Fatty acids, tall-oil, reaction products with acrylic acid			
Worker DNEL, long-term		inhalation	systemic	3,19 mg/m³
Worker DNEL, long-term		dermal	systemic	0,9 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,79 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,45 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,45 mg/kg bw/day
,				
68608-26-4	Sulfonic acids, petroleum, sodium salts			
Worker DNEL, long-term		inhalation	systemic	0,66 mg/m³
Worker DNEL, long-term		dermal	systemic	3,33 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,33 mg/m³
Consumer DNEL, long-term		dermal	systemic	1667 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,833 mg/kg bw/day
1310-58-3	potassium hydroxide; caustic potash			
Worker DNEL, long-term		inhalation	local	1 mg/m³
Consumer DNEL, long-term		inhalation	local	1 mg/m³
593-85-1	Carbonic acid; guanidine			
Worker DNEL, long-term		inhalation	systemic	3,31 mg/m³

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Worker DNEL, long-term	dermal	systemic	1,88 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,82 mg/m³
Consumer DNEL, long-term	dermal	systemic	0,94 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,47 mg/kg bw/day
Worker DNEL, acute	inhalation	systemic	9,93 mg/m³
Consumer DNEL, acute	inhalation	systemic	2,46 mg/m³
Consumer DNEL, acute	oral	systemic	1,41 mg/kg bw/day
3302-10-1	3,5,5-trimethylhexanoic acid		
Worker DNEL, long-term	inhalation	systemic	4,4 mg/m³
Worker DNEL, long-term	inhalation	local	10 mg/m³
Worker DNEL, acute	inhalation	local	10 mg/m³
Worker DNEL, long-term	dermal	systemic	1,25 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1,1 mg/m³
Consumer DNEL, long-term	inhalation	local	5 mg/m³
Consumer DNEL, long-term	dermal	systemic	0,6 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,6 mg/kg bw/day
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl		
Worker DNEL, long-term	inhalation	systemic	19,25 mg/m³
Worker DNEL, long-term	dermal	systemic	21,84 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1,2 mg/m³
Consumer DNEL, long-term	dermal	systemic	0,4 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,4 mg/kg bw/day
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether		
Worker DNEL, long-term	dermal	systemic	83 mg/kg bw/day
Consumer DNEL, acute	inhalation	local	60,7 mg/m³
Worker DNEL, long-term	inhalation	local	67,5 mg/m³
Consumer DNEL, long-term	inhalation	local	40,5 mg/m³
Consumer DNEL, long-term	inhalation	systemic	40,5 mg/m³
Worker DNEL, long-term	inhalation	systemic	67,5 mg/m³
Worker DNEL, acute	inhalation	local	101,2 mg/m³
Consumer DNEL, long-term	dermal	systemic	50 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	5 mg/kg bw/day
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one		
Worker DNEL, long-term	inhalation	systemic	6,81 mg/m³
Worker DNEL, long-term	dermal	systemic	0,966 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1,2 mg/m³
Consumer DNEL, long-term	dermal	systemic	0,345 mg/kg bw/day
141-43-5	2-aminoethanol; ethanolamine		
Worker DNEL, long-term	inhalation	systemic	1 mg/m³

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Worker DNEL, long-term	inhalation	local	0,51 mg/m ³
Worker DNEL, long-term	dermal	systemic	3 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,18 mg/m ³
Consumer DNEL, long-term	inhalation	local	0,28 mg/m ³
Consumer DNEL, long-term	dermal	systemic	1,5 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	1,5 mg/kg bw/day
1310-73-2	Sodium hydroxide; caustic soda		
Worker DNEL, long-term	inhalation	local	1 mg/m ³
Consumer DNEL, long-term	inhalation	local	1 mg/m ³
2682-20-4	2-methylisothiazol-3(2H)-one		
Worker DNEL, long-term	inhalation	local	0,021 mg/m ³
Worker DNEL, acute	inhalation	local	0,043 mg/m ³
Consumer DNEL, long-term	inhalation	local	0,021 mg/m ³
Consumer DNEL, acute	inhalation	local	0,043 mg/m ³
Consumer DNEL, long-term	oral	systemic	0,027 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	0,053 mg/kg bw/day

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PNEC values

CAS No	Substance	
Environmental compartment		Value
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified	
Secondary poisoning		9,33 mg/kg
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
1469983-44-5	Fatty acids, tall-oil, reaction products with acrylic acid	
Freshwater		0,46 mg/l
Marine water		0,046 mg/l
Freshwater sediment		765,3 mg/kg
Marine sediment		76,5 mg/kg
Micro-organisms in sewage treatment plants (STP)		9800 mg/l
Soil		152,3 mg/kg
68608-26-4	Sulfonic acids, petroleum, sodium salts	
Freshwater		1 mg/l
Marine water		1 mg/l
Freshwater sediment		723500000 mg/kg
Marine sediment		723500000 mg/kg
Secondary poisoning		16667 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		868700000 mg/kg
593-85-1	Carbonic acid; guanidine	
Freshwater		0,214 mg/l
Marine water		0,021 mg/l
Freshwater sediment		1,2 mg/kg
Marine sediment		0,12 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,16 mg/l
Soil		0,114 mg/kg
3302-10-1	3,5,5-trimethylhexanoic acid	
Freshwater		0,068 mg/l
Marine water		0,007 mg/l
Freshwater sediment		1,08 mg/kg
Marine sediment		0,108 mg/kg
Micro-organisms in sewage treatment plants (STP)		23 mg/l
Soil		0,176 mg/kg
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	
Freshwater		0,00009 mg/l
Marine water		0,00009 mg/l

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Marine water (intermittent releases)	0,027 mg/l
Freshwater sediment	0,1284 mg/kg
Marine sediment	0,01284 mg/kg
Soil	2,5 mg/kg
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
Freshwater	1,1 mg/l
Marine water	0,11 mg/l
Freshwater sediment	4,4 mg/kg
Marine sediment	0,44 mg/kg
Secondary poisoning	56 mg/kg
Micro-organisms in sewage treatment plants (STP)	200 mg/l
Soil	0,4 mg/kg
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Freshwater	4,03
Marine water (intermittent releases)	0,403
Freshwater sediment	49,9
Marine sediment	4,99
Micro-organisms in sewage treatment plants (STP)	1,03 mg/l
Soil	3 mg/kg
141-43-5	2-aminoethanol; ethanolamine
Freshwater	0,07 mg/l
Marine water	0,007 mg/l
Freshwater sediment	0,357 mg/kg
Marine sediment	0,036 mg/kg
Micro-organisms in sewage treatment plants (STP)	100 mg/l
Soil	1,29 mg/kg
2682-20-4	2-methylisothiazol-3(2H)-one
Freshwater	0,00339 mg/l
Marine water	0,00339 mg/l
Micro-organisms in sewage treatment plants (STP)	0,23 mg/l
Soil	0,047 mg/kg

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

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.

Thermal hazards

Remove all sources of ignition.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	light brown
Odour:	characteristic

	Test method
Boiling point or initial boiling point and boiling range:	not determined
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	not applicable
Auto-ignition temperature:	not determined
pH-Value (at 20 °C):	8,7 DIN 51369
Viscosity / kinematic: (at 20 °C)	55 mm²/s ASTM D 7042
Vapour pressure:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,99 g/cm³ EN ISO 12185

9.2. Other information

Other safety characteristics

Pour point:	not determined
Viscosity / dynamic:	not determined

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

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

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

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

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified				
	oral	LD50 5000 mg/kg	Rat	ECHA	OECD Guideline 420
122-99-6	2-phenoxyethanol				
	oral	ATE 1394 mg/kg			
	dermal	LD50 >2000 mg/kg	Rabbit		
1469983-44-5	Fatty acids, tall-oil, reaction products with acrylic acid				
	oral	LD50 6176 mg/kg	Rat	ECHA	
68511-37-5	Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-C12-14-alkyl ethers, phosphates				
	oral	LD50 >2000 mg/kg	Rat		OECD 401
68608-26-4	Sulfonic acids, petroleum, sodium salts				
	oral	LD50 > 5001 mg/kg	Rat	Echa	OECD Guideline 401
	dermal	LD50 > 5001 mg/kg	Rat	Echa	OECD Guideline 402
1310-58-3	potassium hydroxide; caustic potash				
	oral	LD50 333-388 mg/kg	Rat	ECHA	
593-85-1	Carbonic acid; guanidine				
	oral	LD50 1045 mg/kg	Rat	Echa	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Echa	OECD Guideline 402
	inhalation	Data lacking			
3302-10-1	3,5,5-trimethylhexanoic acid				
	oral	LD50 1160 mg/kg	Rat	ECHA	OECD 201
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl				
	oral	LD50 2733 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rabbit		OECD 402
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				
	oral	LD50 3305 mg/kg	Rat		
	dermal	LD50 2764 mg/kg	Rabit		
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one				
	oral	LD50 670 mg/kg	Rat		
	dermal	LD50 > 2001 mg/kg	Rat		
141-43-5	2-aminoethanol; ethanolamine				

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	oral	LD50 mg/kg	1515	Rat		
	dermal	LD50 mg/kg	1025	Rabbit	IUCLID	
	inhalation vapour	ATE	11 mg/l			
	inhalation dust/mist	ATE	1,5 mg/l			
2682-20-4	2-methylisothiazol-3(2H)-one					
	oral	LD50 mg/kg	120-249	Rat	ECHA	EPA OPPTS 870.1100
	dermal	LD50 mg/kg	242	Rat	ECHA	Standard acute method
	inhalation vapour	ATE	0,5 mg/l			
	inhalation dust/mist	ATE	0,05 mg/l			

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye damage.

Sensitising effects

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

Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.

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

Harmful to aquatic life with long lasting effects.

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	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Dickkopfelritze		
	Acute algae toxicity	ErC50 > 100 mg/l		Grünalgen		
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna		
	Crustacea toxicity	NOEC 10,0 mg/l	21 d	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		
68511-37-5	Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates					
	Acute fish toxicity	LC50 5,7 mg/l	96 h	Leuciscus idus (Goldorfe)		OECD 203
	Acute crustacea toxicity	EC50 0,33 mg/l	48 h	Daphnia magna (Großer Wasserfloh)		OECD 202
68608-26-4	Sulfonic acids, petroleum, sodium salts					
	Acute fish toxicity	LC50 > 10000 mg/l	96 h	marine species		
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	freshwater algae		
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna		
1310-58-3	potassium hydroxide; caustic potash					
	Acute fish toxicity	LC50 80 mg/l	96 h	Gambusia affinis (Mosquito fish)	ECHA	OECD Sids
	Acute crustacea toxicity	EC50 270 mg/l	48 h	Daphnia magna		
593-85-1	Carbonic acid; guanidine					
	Acute fish toxicity	LC50 1000 mg/l	96 h	Danio rerio	ECHA	
	Acute algae toxicity	ErC50 15 mg/l	72 h	Selenastrum capricornutum		92/96/EWG
	Acute crustacea toxicity	EC50 41 mg/l	48 h	Daphnia magna		92/96/EWG
	Fish toxicity	NOEC 133,6 mg/l	35 d	Pimephales promelas		Durchflusstest
	Crustacea toxicity	NOEC 2,14 mg/l	21 d	Daphnia Magna		OECD 211
	Acute bacteria toxicity	EC50 116 mg/l ()	3 h	Belebtschlamm		OECD 209
3302-10-1	3,5,5-trimethylhexanoic acid					
	Acute fish toxicity	LC50 122 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 81 mg/l	72 h			OECD 201
	Acute crustacea toxicity	EC50 68 mg/l	48 h	Daphnia magna		OECD Guideline 301 A

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90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl					
	Acute fish toxicity	LC50	4,5 mg/l	96 h	Danio rerio	Echa
	Acute crustacea toxicity	EC50	2,7 mg/l	48 h	Daphnia magna	
	Acute bacteria toxicity	EC50 mg/l ()	3,57	3 h	Pseudokirchneriella subcapitata	
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether					
	Acute fish toxicity	LC50 mg/l	2500	96 h	Leopomis macrochirus	static methode
	Acute algae toxicity	ErC50 mg/l	> 100	96 h	Scenedesmus subspicatus	static methode
	Acute crustacea toxicity	EC50 mg/l	> 1000	48 h	Daphnia magna	static methode
	Acute bacteria toxicity	EC50 mg/l ()	> 1000			static methode 0,1d
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one					
	Acute fish toxicity	LC50	1,5 mg/l	96 h	Oncorhynchus mykiss	
	Acute algae toxicity	ErC50 mg/l	0,108	96 h	Algae	
	Acute crustacea toxicity	EC50 mg/l	0,99	48 h	Daphnia magne	
141-43-5	2-aminoethanol; ethanolamine					
	Acute fish toxicity	LC50	150 mg/l	96 h	Oncorhynchus mykiss	IUCLID
	Acute algae toxicity	ErC50	22 mg/l	72 h	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna	
2682-20-4	2-methylisothiazol-3(2H)-one					
	Acute fish toxicity	LC50 mg/l	4,77	96 h	Oncorhynchus mykiss	ECHA OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	0,157	72 h	Grünalge	ECHA
	Acute crustacea toxicity	EC50 mg/l	0,934	48 h	Daphnia magna	ECHA OECD Guideline 202
	Algae toxicity	NOEC mg/l	0,05	72 d	Pseudokirchneriella subcapitata	
	Crustacea toxicity	NOEC mg/l	0,044	21 d	Daphnia magna	ECHA OECD Guideline 211
	Acute bacteria toxicity	EC50 mg/l ()	34,6	3 h	Pseudokirchneriella subcapitata	OECD Guideline 201

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	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified			
	OECD TG 301 B	30%	28	
	Inhärenter Schlamm	30 %	28	
593-85-1	Carbonic acid; guanidine			
	Belebtschlamm OECD 301 E	0,1 %	28	
	Biologisch nicht abbaubar			
	Wasser Simulationsstudie	50 %	33	
	Potentiell bio. abbaubar			
3302-10-1	3,5,5-trimethylhexanoic acid			
	OECD Guideline 301 A	96%	29	
	Readily biodegradable (according to OECD criteria).			
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl			
	OECD 301D	75%	28	
	Easily biodegradable (concerning to the criteria of the OECD)			
	OECD 301B	70-75 %	28	
	Easily biodegradable (concerning to the criteria of the OECD)			
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			
	OECD 301C / ISO 9408	89 %	28	
	Product is biodegradable.			
	OECD 302B	100 %	28	
	Product is biodegradable.			
	OECD TG 301 E	94 %	28	
	Product is biodegradable.			

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	1,16
68608-26-4	Sulfonic acids, petroleum, sodium salts	22,12
1310-58-3	potassium hydroxide; caustic potash	0,83
593-85-1	Carbonic acid; guanidine	-1,43
3302-10-1	3,5,5-trimethylhexanoic acid	3,2
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	3,18
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	0,29
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	0,7
141-43-5	2-aminoethanol; ethanolamine	-1,91 (25°C)
2682-20-4	2-methylisothiazol-3(2H)-one	-0,486

BCF

CAS No	Chemical name	BCF	Species	Source
593-85-1	Carbonic acid; guanidine	0,1		
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	22		
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	6,95		

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12.4. Mobility in soil

in delivery condition: liquid

12.5. Results of PBT and vPvB assessment

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

No information available.

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

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

Dispose of contents/container to an appropriate recycling or disposal facility. Consult the local waste disposal expert about waste disposal.

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.

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 or ID 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 or ID 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 or ID 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 or ID number:

No dangerous good in sense of these transport regulations.

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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. 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 3, Entry 28, Entry 75

Directive 2010/75/EU on industrial emissions: 11,017 % (109,064 g/l)

Directive 2004/42/EC on VOC in paints and varnishes: 11,117 % (110,055 g/l)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

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Abbreviations and acronyms

Met. Corr: Substance or mixture corrosive to metals
 Acute Tox: Acute toxicity
 Asp. Tox: Aspiration hazard
 Skin Corr: Skin corrosion
 Skin Irrit: Skin irritation
 Eye Dam: Eye damage
 Eye Irrit: Eye irritation
 Skin Sens: Skin sensitisation
 STOT SE: Specific target organ toxicity - single exposure
 Aquatic Acute: Acute aquatic hazard
 Aquatic Chronic: Chronic aquatic hazard
 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
 Eye Irrit. - Augenreizung
 Skin Corr. - Ätzwirkung auf die Haut
 Skin Irrit. - Hautreizung
 Skin Sens. - Hautallergen

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Resp. Sens. - Inhalationsallergen
STOT SE - Spezifische Zielorgan-Toxizität - einmalige Exposition
STOT RE - Spezifische Zielorgan-Toxizität - wiederholte Exposition
VOC - Flüchtige organische Verbindungen

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.

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.
Abkürzungen und Akronyme siehe Verzeichnis unter <http://abk.esdscom.eu>

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