



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)  
and Regulation (EU) No 2020/878

## Eni aquamet HD EP FAD

Material number 0438

Revision date: 4/11/2022  
Version: 3.0  
Language: en-DE  
Date of print: 11/3/2022

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

### 1.1 Product identifier

Trade name: Eni aquamet HD EP FAD

UFI: 4850-10WT-C002-6EPU

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

General use: Metalworking fluid.

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

Company name: Eni Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14

Postal Code, city: DE-97080 Würzburg

WWW: [www.enischmiertechnik.de](http://www.enischmiertechnik.de)

E-mail: [info.wuerzburg@eni.com](mailto:info.wuerzburg@eni.com)

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Department responsible for information:

Application Engineering & Product Management (AEPM)

Telephone: +49 (0)931-90098-0

E-mail: [technik.wuerzburg@eni.com](mailto:technik.wuerzburg@eni.com)

### 1.4 Emergency telephone number

GIZ-Nord, Göttingen

Telephone: +49 (0)551-19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Irrit. 2; H315 Causes skin irritation.

Skin Sens. 1; H317 May cause an allergic skin reaction.

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

Labelling (CLP)



Signal word:

**Warning**

Hazard statements:

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.



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### Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261	Avoid breathing mist/vapours/spray.
P264	Wash hands and face thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to hazardous or special waste collection point.

### Special labelling

Text for labelling:

Contains:  
3-Iodo-2-propynyl butylcarbamate  
2-Methyl-2H-isothiazol-3-one  
1,2-Benzisothiazol-3(2H)-one

### 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: A mixture of base oils and additives.



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Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119489407-26-xxxx EC No. 500-236-9 CAS 68920-66-1	Alcohols, C16-18, ethoxylated	10 - 15 %	Skin Irrit. 2; H315. Aquatic Chronic 2; H411.
REACH 01-2119486683-25-xxxx EC No. 233-139-2 CAS 10043-35-3	Boric acid (SVHC)	< 5.5 %	Repr. 1B; H360FD.
REACH 01-2119475104-44-xxxx EC No. 203-961-6 CAS 112-34-5	2-(2-Butoxyethoxy)ethanol	< 5 %	Eye Irrit. 2; H319.
REACH 01-2119488970-24-xxxx EC No. 203-312-7 CAS 105-59-9	2,2'-(Methylimino)diethanol	< 5 %	Eye Irrit. 2; H319.
CAS 827613-35-4	Amide polyglycol ether	< 5 %	Skin Irrit. 2; H315. Aquatic Chronic 3; H412.
EC No. 259-627-5 CAS 55406-53-6	3-Iodo-2-propynyl butylcarbamate	< 0.25 %	Acute Tox. 4; H302. Acute Tox. 3; H331. Eye Dam. 1; H318. Skin Sens. 1; H317. STOT RE 1; H372. Aquatic Acute 1; H400 (M-factor = 10). Aquatic Chronic 1; H410 (M-factor = 1).
EC No. 220-239-6 CAS 2682-20-4	2-Methyl-2H-isothiazol-3-one	< 0.05 %	Acute Tox. 3; H301. Acute Tox. 3; H311. Acute Tox. 2; H330. Skin Corr. 1B; H314. Eye Dam. 1; H318. Skin Sens. 1A; H317. Aquatic Acute 1; H400 (M-factor = 10). Aquatic Chronic 1; H410 (M-factor = 1). (EUH071).
REACH 01-2120761540-60-xxxx EC No. 220-120-9 CAS 2634-33-5	1,2-Benzisothiazol-3(2H)- one	< 0.05 %	Acute Tox. 4; H302. Skin Irrit. 2; H315. Eye Dam. 1; H318. Skin Sens. 1; H317. Aquatic Acute 1; H400 (M-factor = 1).

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



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Additional information: Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Boric acid (Toxic for reproduction (Article 57c))  
Contains: Triethanolamine, mineral oil.  
The maximum workplace exposure limits are, where necessary, listed in section 8.  
The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.  
Information about Boric acid, Specific concentration limits (SCL):  
Repr. 1 FD; H360: C ≥ 5.5%  
Information about 1,2-Benzisothiazol-3(2H)-one, Specific concentration limits (SCL):  
Skin Sens. 1; H317: C ≥ 0.05 %  
Information about 2-Methyl-2H-isothiazol-3-one, Specific concentration limits (SCL):  
Skin Sens. 1A; H317: C ≥ 0.0015 %

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information: If medical advice is needed, have product container or label at hand.  
Take off contaminated clothing and wash it before reuse.

In case of inhalation: Remove casualty to fresh air and keep warm and at rest. If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen.  
If unconscious place in recovery position and seek medical advice.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. May cause an allergic skin reaction.

### 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 spray jet, extinguishing powder, foam, sand and carbon dioxide.

Extinguishing media which must not be used for safety reasons:  
Full water jet

### 5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.  
Furthermore, there may develop: Nitrogen oxides (NO<sub>x</sub>), Smoke, carbon monoxide and carbon dioxide.



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### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Do not inhale explosion and combustion gases. Remove persons to safety.  
Use fine water spray to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely.  
Contaminated fire-fighting water must be collected separately. Do not allow water used to extinguish fire to enter drains, ground or waterways.  
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Avoid contact with the substance.  
Eliminate all ignition sources if safe to do so. Provide adequate ventilation.  
Keep unprotected people away.  
Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Keep unprotected people away.

### 6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. Do not allow to enter into soil/subsoil.  
If necessary notify appropriate authorities.

### 6.3 Methods and material for containment and cleaning up

Make sure spills can be contained, e.g. in sump pallets or kerbed areas. Prevent spread over a wide area (e.g. by containment or oil barriers).  
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.  
Never return spills in original containers for re-use.

Additional information: Special danger of slipping by leaking/spilling product.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.  
When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.  
Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.



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### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.  
Keep container dry. Keep only in the original container.  
Protect from heat and direct sunlight. Protect from frost.  
storage temperature: 5 - 40 °C (Shelf life: 12 months)

Hints on joint storage:

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

Storage class:

10 = Combustible liquids, unless storage class 3

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
10043-35-3	Boric acid (SVHC)	Germany: TRGS 900 Kurzzeit	1 mg/m <sup>3</sup> (inhalable fraction)
		Germany: TRGS 900 Langzeit	0.5 mg/m <sup>3</sup> (inhalable fraction)
112-34-5	2-(2-Butoxyethoxy) ethanol	Europe: IOELV: STEL	101.2 mg/m <sup>3</sup> ; 15 ppm
		Europe: IOELV: TWA	67.5 mg/m <sup>3</sup> ; 10 ppm
		Germany: TRGS 900 Kurzzeit	100.5 mg/m <sup>3</sup> ; 15 ppm (Aerosol and vapour)
		Germany: TRGS 900 Langzeit	67 mg/m <sup>3</sup> ; 10 ppm (Aerosol and vapour)
55406-53-6	3-Iodo-2-propynyl butylcarbamate	Germany: TRGS 900 Kurzzeit	0.106 mg/m <sup>3</sup> ; 0.01 ppm (Aerosol and vapour)
		Germany: TRGS 900 Langzeit	0.058 mg/m <sup>3</sup> ; 0.005 ppm (Aerosol and vapour)



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### DNEL/DMEL:

Information about alcohols, C16-18, ethoxylated:

DNEL workers, inhalative, long-term, systemic: 294 mg/m<sup>3</sup>

DNEL workers, dermal, long-term, systemic: 2,080 mg/kg bw/d

DNEL consumers, inhalative, long-term, systemic: 87 mg/m<sup>3</sup>

DNEL consumers, dermal, long-term, systemic: 1,250 mg/kg bw/d

DNEL consumers, oral long-term, systemic: 25 mg/kg bw/d

Information about Boric acid:

DNEL workers, inhalative, long-term, systemic: 8.3 mg/m<sup>3</sup>

DNEL workers, dermal, long-term, systemic: 392 mg/kg bw/d

DNEL consumers, inhalative, long-term, systemic: 4.15 mg/m<sup>3</sup>

DNEL consumers, dermal, long-term, systemic: 196 mg/kg bw/d

DNEL consumers, oral, long-term, systemic: 0.98 mg/kg bw/d

Information about 2-(2-Butoxyethoxy)ethanol:

DNEL workers, inhalative, long-term, local: 67.5 mg/m<sup>3</sup>

DNEL workers, inhalative, short-term, local: 101.2 mg/m<sup>3</sup>

DNEL consumers, oral, long-term, systemic: 6.25 mg/kg bw/d

Information about 2,2'-(Methylimino)diethanol:

DNEL workers inhalative, long-term, systemic: 7.9 mg/m<sup>3</sup>

DNEL workers dermal, long-term, systemic: 5.6 mg/kg bw/d

DNEL workers dermal, long-term, local: 0.05 mg/cm<sup>2</sup>

DNEL consumers inhalative, long-term, local: 0.4 mg/m<sup>3</sup>

DNEL consumers dermal, long-term, systemic: 0.67 mg/kg bw/d

DNEL consumers dermal, long-term, local: 0.03 mg/kg bw/d

DNEL consumers oral, long-term, systemic: 0.13 mg/kg bw/d

Information about 1,2-Benzisothiazol-3(2H)-one:

DNEL workers inhalative, long-term, systemic: 6.81 mg/m<sup>3</sup>

DNEL workers dermal, long-term, systemic: 0.966 mg/kg bw/d

DNEL consumers inhalative, long-term, systemic: 1.2 mg/m<sup>3</sup>

DNEL consumers dermal, long-term, systemic: 0.345 mg/kg bw/d



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PNEC: Information about alcohols, C16-18, ethoxylated:

PNEC water (freshwater): 0.007 mg/L  
PNEC water (marine water): 0.001 mg/L  
PNEC sediment (freshwater): 22.79 mg/kg  
PNEC sediment (marine water): 2.28 mg/kg  
PNEC sewage treatment plant: 10 g/L  
PNEC soil: 1 mg/kg

Information about Boric acid:

PNEC water (freshwater): 2.9 mg/L  
PNEC water (marine water): 2.9 mg/L  
PNEC sewage treatment plant: 10 g/L  
PNEC soil: 5.7 mg/kg

Information about 2-(2-Butoxyethoxy)ethanol:

PNEC water (freshwater): 0.007 mg/L  
PNEC water (marine water): 0.001 mg/L  
PNEC sediment (freshwater): 22.79 mg/kg  
PNEC sediment (marine water): 2.28 mg/kg  
PNEC sewage treatment plant: 10 g/L  
PNEC soil: 1 mg/kg  
PNEC Secondary poisoning: 56 mg/kg food

Information about 2,2'-(Methylimino)diethanol:

PNEC water (freshwater): 0.1 mg/L  
PNEC water (marine water): 0.004 mg/L  
PNEC sediment (freshwater): 0.78 mg/kg  
PNEC sediment (marine water): 0.035 mg/kg  
PNEC sewage treatment plant: 10 g/L  
PNEC soil: 0.097 mg/kg

Information about 1,2-Benzisothiazol-3(2H)-one:

PNEC water (freshwater): 4.03 mg/L  
PNEC water (marine water): 0.403 mg/L  
PNEC sediment (freshwater): 49.9 mg/kg  
PNEC sediment (marine water): 4.99 mg/kg  
PNEC sewage treatment plant: 1.03 g/L  
PNEC soil: 3 mg/kg

## 8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

## Personal protection equipment

### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.





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Hand protection:	Protective gloves according to EN 374. During full contact: Glove material: nitrile rubber, polychloroprene, chloroprene rubber Breakthrough time: > 480 min Layer thickness: >= 0.7 mm During splash contact: Glove material: nitrile rubber, polychloroprene, chloroprene rubber Breakthrough time: > 30 min Layer thickness: >= 0.4 mm Unsuitable material: polyvinyl alcohol Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to EN 166.
Body protection:	Wear suitable protective clothing.
General protection and hygiene measures:	Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Have eye wash bottle or eye rinse ready at work place.

### Environmental exposure controls

Refer to "6.2 Environmental precautions".

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	yellow
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
initial boiling point and boiling range:	Not applicable
Flammability:	Not relevant
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): 0.60 Vol-% UEL (Upper Explosive Limit): 6.50 Vol-%
Flash point/flash point range:	> 100 °C (DIN EN ISO 2592)
Decomposition temperature:	No data available
pH:	at 20 °C, 5%: 9.5 (DIN 51369)
Viscosity, kinematic:	at 20 °C: approx. 130 mm <sup>2</sup> /s (DIN EN ISO 3104)
Water solubility:	at 20 °C: Miscible
Partition coefficient: n-octanol/water:	Not applicable
Vapour pressure:	at 20 °C: No data available
Density:	at 15 °C: 0.973 g/mL (DIN EN ISO 12185)
Vapour density:	Not applicable
Particle characteristics:	Not applicable

### 9.2 Other information

Explosive properties:	Product is not explosive.
Oxidizing characteristics:	Product has no oxidizing effect.



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Auto-ignition temperature: No data available  
Evaporation rate: No data available  
Additional information: No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.  
Protect from direct sunlight. Protect from frost.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

No dangerous reactions with proper and specified storage and handling  
Thermal decomposition: No data available



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### SECTION 11: Toxicological information

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

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.  
ATEmix (calculated): ATE > 2,000 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.  
ATEmix (calculated): ATE > 2,000 mg/kg

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.  
ATEmix (calculated): ATE > 20 mg/L

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Lack of data.

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

#### 11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information about alcohols, C16-18, ethoxylated:  
LD50 Rat, oral: > 2,000 mg/kg bw (OECD 401)  
LD50 Rabbit, dermal: > 2,000 mg/kg bw (OECD 402)  
LC50 Rat, inhalative: > 100 mg/m<sup>3</sup>/6 h (OECD 403 (vapors))

Information about Boric acid:  
LD50 Rat, oral: 3,450 mg/kg bw  
LD50 Rabbit, dermal: > 2,000 mg/kg bw  
LC50 Rat, inhalative: > 2.03 mg/m<sup>3</sup>/5 h (OECD 403 (Aerosol))

Information about 2-(2-Butoxyethoxy)ethanol:  
LD50 Mouse, oral: > 5,530 mg/kg bw (OECD 401)  
LD50 Rabbit, dermal: 2,764 mg/kg bw (OECD 402)  
LC50 Rat, inhalative: > 29 ppm/2 h (Aerosol)

Information about 2,2'-(Methylimino)diethanol:  
LD50 Rat, oral: 4,680 mg/kg bw (OECD 401)  
LD50 Rabbit, dermal: 10,244 mg/kg bw (OECD 402)

Information about 1,2-Benzisothiazol-3(2H)-one:  
LD50 Rat, oral: 490 mg/kg bw (OECD 401)  
LD50 Rat, dermal: > 2,000 mg/kg bw (OECD 402)



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## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.  
Information about alcohols, C16-18, ethoxylated:  
Fish toxicity:  
LC50 Danio rerio (zebrafish): 108 mg/L/96 h (OECD 203)  
NOEC Pimephales promelas (fathead minnow): 0.28 mg/L/30 d  
Daphnia toxicity:  
EL50 Daphnia magna (Big water flea): 51 mg/L/48 h (OECD 202)  
NOEC Daphnia magna (Big water flea): 0.77 mg/L/21 d  
Algae toxicity:  
EC50 Desmodesmus subspicatus (green algae): > 100 mg/L/72 h  
Information about 1,2-Benzisothiazol-3(2H)-one:  
Fish toxicity:  
LC50 Cyprinodon variegatus: 22 mg/L/96 h  
Daphnia toxicity:  
EC50 Daphnia magna (Big water flea): 2.9 mg/L/48 h (OECD 202)  
Algae toxicity:  
EC50 Pseudokirchneriella subcapitata (green algae): 150 µg/L/72 h (OECD 201)  
NOEC Pseudokirchneriella subcapitata (green algae): 55 µg/L/72 h (OECD 201)  
Water Hazard Class: 2 = obviously hazardous to water (Self-classification (mixture).)

### 12.2 Persistence and degradability

Further details: Product is partially biodegradable.  
Effects in sewage plants: Bacterial toxicity:  
Information about alcohols, C16-18, ethoxylated:  
EC50 Pseudomonas putida: 10 g/L/16.9 h  
NOEC activated sludge: 1,000 mg/L/30 min (OECD 209)  
Information about 1,2-Benzisothiazol-3(2H)-one:  
EC50 activated sludge: 12.8 mg/L/3 h (OECD 209)

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
Not applicable

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.



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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Waste key number: 12 01 07\* = mineral-based machining oils free of halogens (except emulsions and solutions)

\* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.  
Do not dispose of with household waste.

##### Package

Recommendation: Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.  
Empty containers may contain flammable product residues. Do not cut, weld, bore, burn or incinerate emptied containers unless they have been cleaned and declared safe.  
Empty containers should be disposed of in accordance with local regulations.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR:

not applicable

ADN:

ID 9006

#### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

ADN:

ID 9006, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

ADN:

Class 9, Code: M12

#### 14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

#### 14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG:

no

#### 14.6 Special precautions for user

##### Inland waterway craft (ADN)

Hazard label:

-

Transport permitted:

T

Equipment necessary:

PP



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### 14.7 Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

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

#### National regulations - Germany

Storage class: 10 = Combustible liquids, unless storage class 3

Water Hazard Class: 2 = obviously hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5. I: <5%

Information on working limitations:

Observe employment restrictions for young people.

Observe employment restrictions for expectant or nursing mothers.

Further regulations, limitations and legal requirements:

No data available

#### National regulations - EC member states

Volatile organic compounds (VOC):

3.94 % by weight

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3, 30, 75

Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Boric acid.

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

H301 = Toxic if swallowed.

H302 = Harmful if swallowed.

H311 = Toxic 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.

H331 = Toxic if inhaled.

H360FD = May damage fertility. May damage the unborn child.

H372 = Causes damage to organs through prolonged or repeated exposure.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

H411 = Toxic to aquatic life with long lasting effects.

H412 = Harmful to aquatic life with long lasting effects.

EUH071 = Corrosive to the respiratory tract.



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### Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
AS/NZS: Australian Standards/New Zealand Standards  
ATE: Acute toxicity estimate  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EC50: Effective Concentration 50%  
EL50: Effective loading rate 50%  
EN: European Standard  
EQ: Excepted quantities  
EU: European Union  
IATA: International Air Transport Association  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
LC50: Median lethal concentration  
LD50: Lethal dose 50%  
LEL: Lower Explosion Limit  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
M-factor: Multiplication factor  
NOEC: No Observed Effect Concentration  
OECD: Organisation for Economic Co-operation and Development  
OEL: Occupational Exposure Limit Value  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
STOT RE: Specific target organ toxicity - repeated exposure  
SVHC: Substance of very high concern  
TLV: Threshold Limit Value  
TRGS: Technical Rules for Hazardous Substances  
vPvB: Very persistent and very bioaccumulative  
WEL: Workplace Exposure Limit

Reason of change: Changes in section 1: product identifier (UFI)  
Changes in section 3: Composition/information on ingredients  
General revision  
Date of first version: 4/20/2021

### Department issuing data sheet

Contact person: see section 1: Department responsible for information



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The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:  
<http://sumdat.net/t4z9v2s2>

