



# Eni metalCut 10 UNI

Material number 383

## Safety Data Sheet

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

Revision date: 20.3.2024  
Version: 5.0  
Replaces version: 4.2  
Language: en-DE  
Date of print: 4.4.2024

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

### 1.1 Product identifier

Trade name: Eni metalCut 10 UNI  
UFI: 3U20-V0KP-S006-NVD1

### 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: Enilive Schmiertechnik GmbH  
Street/POB-No.: Paradiesstraße 14  
Postal Code, city: 97080 Würzburg  
Germany  
E-mail: info.wuerzburg@enilive.com  
Telephone: +49 (0)931-90098-0  
Telefax: +49 (0)931-98442  
Department responsible for information:  
Application Engineering & Product Management (AEPM)  
Telephone: +49 (0)931-90098-0  
E-mail: technik.wuerzburg@enilive.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)

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.  
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (CLP)



Signal word:

**Danger**

Hazard statements: H304 May be fatal if swallowed and enters airways.  
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.  |
| P273      | Avoid release to the environment.   |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor.                        |
| P331      | Do NOT induce vomiting.   |
| P405      | Store locked up.  |
| P501      | Dispose of contents/container to hazardous or special waste collection point. |

### Special labelling

Text for labelling: Distillates (petroleum), hydrotreated light paraffinic.

### 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

The product does not contain any substances classified as PBT or vPvB.

| CAS No.  | Designation                | PBT/vPvB | ED Human | ED Environment |
|----------|----------------------------|----------|----------|----------------|
| 128-37-0 | 2,6-di-tert-Butyl-p-cresol |          | List II  |                |

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: A mixture of base oils and additives.

Hazardous ingredients:

| Identifiers   | Designation<br>Classification   | Content      |
|---|---|--------------|
| REACH 01-2119487077-29-xxxx<br>EC No. 265-158-7<br>CAS 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic<br>Asp. Tox. 1; H304.  | >= 50 %      |
| REACH 01-2119565113-46-xxxx<br>EC No. 204-881-4<br>CAS 128-37-0   | 2,6-di-tert-Butyl-p-cresol<br>Aquatic Acute 1; H400. Aquatic Chronic 1; H410. | 0,25 - 0,5 % |

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

Additional information: The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information: In all cases of doubt, or when symptoms persist, seek medical advice. If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.



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|                         |   |
|-------------------------|---|
| In case of inhalation:  | Remove casualty to fresh air and keep warm and at rest. Where appropriate artificial ventilation. In case of respiratory tract irritation, consult a physician.   |
| 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. In case of eye irritation consult an ophthalmologist. |
| After swallowing:       | Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Caution if victim vomits: Risk of aspiration! Keep airway open. Immediately get medical attention.                 |

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

The following symptoms may occur: Cough, respiratory complaints, shortage of breath, fever. Symptoms can occur only after several hours.  
May be fatal if swallowed and enters airways.

### 4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.  
Aspiration hazard: in case of swallowing or vomiting danger of penetration into the lungs.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, extinguishing powder, foam 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

In case of fire may be liberated: Smoke, sulphur oxides, phosphorus oxides, nitrogen oxides (NO<sub>x</sub>), traces of incompletely burned carbon compounds, carbon dioxide, carbon monoxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

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

Additional information:

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. Cool endangered containers with water jetspray.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.



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## SECTION 6: Accidental release measures

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

Wear appropriate protective equipment. Provide adequate ventilation. Avoid breathing mist/vapours/spray. Avoid contact with skin, eyes and clothes.  
Keep unprotected people away.  
Stop leak if safe to do so.

### 6.2 Environmental precautions

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

### 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) and place in closed containers for disposal. Ventilate affected area. Clean contaminated objects and areas thoroughly observing environmental regulations.

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. Put lids on containers immediately after use. Wear appropriate protective equipment. Avoid breathing mist/vapours/spray.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Have eye wash bottle or eye rinse ready at work place.

Use only antistatically equipped (spark-free) tools.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

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

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place. Keep only in the original container.

Protect from frost, heat and sunlight.

Protect from moisture contamination. Storage temperature: 5 - 40 °C

Storage stability: Average shelf life of 24 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.



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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

| CAS No.  | Designation                | Type                       | Limit value  |
|----------|----------------------------|----------------------------|--|
| 128-37-0 | 2,6-di-tert-Butyl-p-cresol | Germany: TRGS 900 Kurzzeit | 40 mg/m <sup>3</sup><br>(Aerosol and vapour, inhalable fraction) |
|          |                            | Germany: TRGS 900 Langzeit | 10 mg/m <sup>3</sup><br>(Aerosol and vapour, inhalable fraction) |

DNEL/DMEL: Information about 2,6-di-tert-Butyl-p-cresol:  
DNEL workers, long-term, systemic, inhalative: 1,76 mg/m<sup>3</sup>  
DNEL workers, long-term, systemic, dermal: 0,5 mg/kg bw/d  
DNEL consumers, long-term, systemic, inhalative: 0,435 mg/m<sup>3</sup>  
DNEL consumers, long-term, systemic, dermal: 0,25 mg/kg bw/d  
DNEL consumers, long-term, systemic, oral: 0,25 mg/kg bw/d

PNEC: Information about 2,6-di-tert-Butyl-p-cresol:  
PNEC water (freshwater): 0,199 µg/L  
PNEC water (marine water): 0,02 µg/L  
PNEC sediment (freshwater): 0,458 mg/kg dw  
PNEC sediment (marine water): 0,046 mg/kg dw  
PNEC sewage treatment plant: 0,017 mg/L  
PNEC soil: 0,054 mg/kg dw

### 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A/P2 according to EN 14387. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: Protective gloves according to DIN EN 374.  
During full contact:  
Glove material: NBR nitrile rubber, CR (polychloroprene, chloroprene rubber), PVA polyvinyl alcohol,  
Breakthrough time: > 480 min  
Layer thickness: 0,7 mm  
During splash contact:  
Glove material: NBR nitrile rubber, CR (polychloroprene, chloroprene rubber), PVA polyvinyl alcohol,  
Breakthrough time: > 30 min  
Layer thickness: 0,4 mm  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to DIN EN ISO 16321-1:2022



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Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Use a breathing protection against vapours/aerosol. 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:  | like mineral oil   |
| Odour threshold:                              | No data available  |
| Melting point/freezing point:                 | $\leq -10$ °C  |
| Initial boiling point and boiling range:      | $> 200$ °C   |
| Flammability:                                 | No data available  |
| Upper/lower flammability or explosive limits: | LEL (Lower Explosion Limit): 0,60 Vol-%<br>UEL (Upper Explosive Limit): 6,50 Vol-% |
| Flash point/flash point range:                | 154 °C (DIN EN ISO 2592)   |
| Auto-ignition temperature:                    | $> 200$ °C   |
| Decomposition temperature:                    | No data available  |
| pH:   | No data available  |
| Viscosity, kinematic:                         | at 40 °C: approx. 8 mm <sup>2</sup> /s (DIN EN ISO 3104)                           |
| Water solubility:                             | at 20 °C: Practically insoluble  |
| Partition coefficient: n-octanol/water:       | Not applicable   |
| Vapour pressure:                              | No data available  |
| Density:                                      | at 15 °C: 0,827 g/mL (DIN EN ISO 12185)  |
| Vapour density:                               | No data available  |
| Particle characteristics:                     | Not applicable   |

### 9.2 Other information

|                            |                   |
|----------------------------|-------------------|
| Explosive properties:      | No data available |
| Oxidizing characteristics: | No data available |
| Auto-ignition temperature: | No data available |
| Evaporation rate:          | No data available |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".



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### 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

Protect from frost, heat and sunlight. Protect from moisture contamination.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available

## 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.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

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

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

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

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

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

Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.



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### 11.2 Information on other hazards

Endocrine disrupting properties:

This product contains a substance that has endocrine disrupting properties with respect to humans.

Other information:

Information about Distillates (petroleum), hydrotreated light paraffinic:

LD50 Rat, oral: > 5.000 mg/kg (OECD 401)

LD50 Rabbit, dermal: > 5.000 mg/kg (OECD 402)

LC50 Rat, inhalative: > 5,53 mg/L/4h (OECD 403)

Information about 2,6-di-tert-Butyl-p-cresol:

LD50, Rat, oral: > 6.000 mg/kg (OECD 401)

LD50, Rat, dermal: > 2.000 mg/kg (OECD 402)

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

Information about Distillates (petroleum), hydrotreated light paraffinic:

Fish toxicity:

LL50: > 100 mg/L/96h (OECD 203); NOEL: >= 100 mg/L/96h

Daphnia toxicity:

EL50: > 10.000 mg/L/48h (OECD 202); NOEL: >= 1.000 mg/L/48h

Algae toxicity:

NOEL: >= 100 mg/L/72h (OECD 201)

Information about 2,6-di-tert-Butyl-p-cresol:

Fish toxicity:

LC50: > 0,199 mg/L/96h

Daphnia toxicity:

LC50: > 0,84 mg/L/48h (OECD 202)

Algae toxicity:

Desmodesmus subspicatus (green algae): EC50: 0,758 mg/L/96h

Water Hazard Class:

1 = slightly hazardous to water (Self-classification (mixture).)

### 12.2 Persistence and degradability

Further details:

Part of the components is biodegradable.

Effects in sewage plants:

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient: n-octanol/water:

Not applicable

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.





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### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

General information: Damage can be caused through mechanical influence of the product (eg. sticking). Do not allow uncontrolled discharge of product into the environment.

## 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.

#### Package

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

## 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



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### 14.6 Special precautions for user

#### Inland waterway craft (ADN)

Hazard label: -  
Transport permitted: T  
Equipment necessary: PP

### 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: 1 = slightly hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5.1: < 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:

The product is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).

#### National regulations - EC member states

Volatile organic compounds (VOC):

0 % by weight

Further regulations, limitations and legal requirements:

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

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

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

H304 = May be fatal if swallowed and enters airways.

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.

Reason of change: Changes in section 1: Details of the supplier of the safety data sheet  
General revision

Date of first version: 29.3.2022

Department issuing data sheet:

see section 1: Department responsible for information



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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  
Aquatic Acute: Hazardous to the aquatic environment - acute  
Aquatic Chronic: Hazardous to the aquatic environment - chronic  
AS/NZS: Australian Standards/New Zealand Standards  
Asp. Tox.: Aspiration toxicity  
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  
NOEL: No Observed Effect Level  
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  
TLV: Threshold Limit Value  
TRGS: Technical Rules for Hazardous Substances  
vPvB: Very persistent and very bioaccumulative  
WEL: Workplace Exposure Limit

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/qkhcri28>

