

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

### 1.1 Product identifier

Trade name: Eni metalStanz 3 M  
UFI: 4F60-40KC-N000-F6UR

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

General use: Cooling lubricant

### 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)

Flam. Liq. 3; H226	Flammable liquid and vapour.
Asp. Tox. 1; H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 4; H413 (EUH066)	May cause long lasting harmful effects to aquatic life. Repeated exposure may cause skin dryness or cracking.

### 2.2 Label elements

#### Labelling (CLP)



Signal word: **Danger**



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Hazard statements:	H226	Flammable liquid and vapour.
	H304	May be fatal if swallowed and enters airways.
	H413	May cause long lasting harmful effects to aquatic life.
	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements:	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
	P331	Do NOT induce vomiting.
	P403+P235	Store in a well-ventilated place. Keep cool.
	P405	Store locked up.
	P501	Dispose of contents/container to hazardous or special waste collection point.

### Special labelling

Text for labelling: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

### 2.3 Other hazards

Special danger of slipping by leaking/spilling product. Potentially explosive mixtures may form if adequate ventilation is not provided.

Inhaling can lead to irritations of the respiratory tract and mucous membrane.

Higher doses may lead to a narcotic effect.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% (w/w) or higher. The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions

Hazardous ingredients:

Identifiers	Designation Classification	Content
list no. 918-167-1 CAS 90622-57-4	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics Flam. Liq. 3; H226. Asp. Tox. 1; H304. Aquatic Chronic 4; H413. (EUH066).	50 - 75 %

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.



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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information:	<p>If medical advice is needed, have product container or label at hand. First aider: Pay attention to self-protection! Avoid contact with skin, eyes and clothes. Take off contaminated clothing and wash it before reuse. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In the event of cardiac arrest immediately perform cardiopulmonary resuscitation. When in doubt or if symptoms are observed, get medical advice.</p>
In case of inhalation:	<p>If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Seek medical attention.</p>
Following skin contact:	<p>Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician. If the product penetrates the skin under high pressure, call a physician immediately.</p>
After eye contact:	<p>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 troubles or persistent symptoms, consult an ophthalmologist.</p>
After swallowing:	<p>Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Caution if victim vomits: Risk of aspiration! Keep airway open. Immediately get medical attention.</p>

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

Inhaling can lead to irritations of the respiratory tract and mucous membrane.  
May be fatal if swallowed and enters airways. Higher doses may lead to a narcotic effect.  
Repeated exposure may cause skin dryness or cracking.

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

Treat symptomatically. Symptoms can occur only after several hours. Medical surveillance necessary for at least 48 hours.  
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:

Foam, extinguishing powder, carbon dioxide, sand.  
Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons:

Water.

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

Flammable liquid and vapour.  
Air combined with vapours may form potentially explosive mixtures that are heavier than air. Vapours may proceed on the ground over great distances and cause fire and backflashes.  
May form dangerous gases and vapours in case of fire.  
Furthermore, there may develop: 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:

Cool exposed containers with water spray, but avoid contact of the substance with water. Move undamaged containers from immediate hazard area if it can be done safely.

Heating will lead to pressure increase: Danger of bursting and explosion.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

Do not breathe mist/vapours/spray. Avoid contact with the substance.

If possible, eliminate leakage. Provide adequate ventilation.

Remove all sources of ignition. Wear appropriate protective equipment. Keep unprotected people away.

Take off contaminated clothing and wash it before reuse.

Cordon off downwind area at risk and warn inhabitants.

### 6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!

In case of release, notify competent authorities.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

Beware of reignition. Thoroughly clean surrounding area.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Clear spills immediately. cover drains.

Clean contaminated articles and floor according to the environmental legislation. Never return spills in original containers for re-use.

Additional information:

Use explosion-proof equipment and non-sparking tools/utensils.

Special danger of slipping by leaking/spilling product.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.



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## 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. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.  
When handling large quantities, supply emergency spray.

Precautions against fire and explosion:

Keep away from heat. Keep away from sources of ignition - No smoking. Take action to prevent static discharges.  
Use only explosion-protected equipment/instruments. Do not weld.  
In partially filled containers explosive mixtures may form.

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

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.  
Keep container dry. Keep only in the original container.  
Protect from heat and direct sunlight.  
Make sure spills can be contained, e.g. in sump pallets or kerbed areas.  
Shafts and sewers must be protected from entry of the product.  
Do not store at temperatures below: 0 °C  
Recommended storage temperature: 5 - 40 °C  
Storage stability: 24 months

Hints on joint storage:

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

Storage class:

3 = Flammable liquids

### 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
90622-57-4	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	Germany: TRGS 900 Kurzzeit	600 mg/m <sup>3</sup> (hydrocarbons, aliphatic, C9-C14)
		Germany: TRGS 900 Langzeit	300 mg/m <sup>3</sup> (hydrocarbons, aliphatic, C9-C14)

### 8.2 Exposure controls

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



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### Personal protection equipment

#### Occupational exposure controls

- Respiratory protection: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. 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.  
Recommendation: Use combination filter type A-P3 according to EN 14387.
- Hand protection: Protective gloves according to DIN EN 374.  
Glove material: Nitrile rubber  
Breakthrough time: 4 h  
Layer thickness: 0,12 mm  
Unsuitable material: Butyl caoutchouc (butyl rubber), natural rubber (Caoutchouc), natural latex, polychloroprene and chloroprene rubber.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to DIN EN ISO 16321-1:2022.
- Body protection: Flame retardant, antistatic and chemical resistant protective clothing.
- General protection and hygiene measures:  
Do not breathe mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not get in eyes, on skin, or on clothing.  
Take off contaminated clothing and wash it before reuse.  
Contaminated work clothing should not be allowed out of the workplace.  
When using do not eat or drink. Wash hands thoroughly after handling.  
When handling large quantities, supply emergency spray.

#### 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:	> 190 °C
Flammability:	Flammable liquid and vapour.
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): Not determined UEL (Upper Explosive Limit): Not determined
Flash point/flash point range:	56 °C
Decomposition temperature:	Not determined
pH:	Not applicable
Viscosity, kinematic:	at 40 °C: 2 mm <sup>2</sup> /s
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	1,99 - 6,73 log K(o/w) (Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.



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Vapour pressure:	No data available
Density:	at 20 °C: 0,79 g/mL
Vapour density:	at 20 °C: Not determined
Particle characteristics:	Not applicable

### 9.2 Other information

Explosive properties:	Vapours can form explosive mixtures with air.
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	Not determined
Additional information:	Pour point: -30 °C

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Flammable liquid and vapour.  
Vapours can form explosive mixtures with air.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Heating will lead to pressure increase: Danger of bursting and explosion.

### 10.4 Conditions to avoid

Protect against heat, sun rays and frost.  
Keep away from sources of ignition - No smoking.  
In case of heating above recommended storage temperature, bursting danger of cans.

### 10.5 Incompatible materials

Oxidizing agents, acids.

### 10.6 Hazardous decomposition products

	No decomposition when used properly.
Thermal decomposition:	Not determined



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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.

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. Repeated exposure may cause skin dryness or cracking.

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

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

### 11.2 Information on other hazards

Endocrine disrupting properties:

None

### Symptoms

The following symptoms may occur: Respiratory complaints, headache, discomfort, dizziness.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: May cause long lasting harmful effects to aquatic life.  
Information about Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics:  
Daphnia toxicity:  
EL50 Daphnia magna (Big water flea): > 1.000 mg/L/48h (OECD 202)

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)



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### 12.2 Persistence and degradability

Further details: Information about Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics:  
Biodegradability (oxygen consumption): 31,3%/28d.  
Biodegradability (formation of carbon dioxide): 7,34%/24d.

### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF):  
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics: 6,91 - 3.625

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

### 12.6 Endocrine disrupting properties

None

### 12.7 Other adverse effects

General information: Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 13 02 08\* = Other engine, gear and lubricating oils  
\* = Evidence for disposal must be provided.

Recommendation: The waste is to be kept separate from other types of waste until its recycling. Recycle according to official regulations. Waste for recycling is to be classified and labelled. Send to a physico-chemical treatment facility under observation of official regulations. Do not allow to come into the canalization/surface waters/ground water .

#### Package

Waste key number: 15 01 10\* = Packaging containing residues of or contaminated by dangerous substances  
\* = Evidence for disposal must be provided.

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

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:  
UN 3295



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### 14.2 UN proper shipping name

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

UN 3295, HYDROCARBONS, LIQUID, N.O.S.

### 14.3 Transport hazard class(es)

ADR/RID, ADN: Class 3, Code: F1  
IMDG: Class 3, Subrisk -  
IATA-DGR: Class 3



### 14.4 Packing group

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

III

### 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

#### Land transport (ADR/RID)

Warning board: ADR/RID: Kemmler-number 30, UN number UN 3295  
Hazard label: 3  
Limited quantities: 5 L  
EQ: E1  
Package - Instructions: P001 IBC03 LP01 R001  
Special provisions for packing together: MP19  
Portable tanks - Instructions: T4  
Portable tanks - Special Provisions: TP1 TP29  
Tank coding: LGBF  
Tunnel restriction code: (D/E)

#### Inland waterway craft (ADN)

Hazard label: 3  
Limited quantities: 5 L  
EQ: E1  
Transport permitted: T  
Equipment necessary: PP - EX - A  
ventilation: VE01



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### Sea transport (IMDG)

EmS: F-E, S-D  
Special Provisions: 223  
Limited quantities: 5 L  
Excepted quantities: E1  
Package - Instructions: P001, LP01  
Package - Provisions: -  
IBC - Instructions: IBC03  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: T4  
Tank instructions - Provisions: TP1, TP29  
Stowage and handling: Category A.  
Properties and observations: Immiscible with water.  
Segregation group: none

### Air transport (IATA)

Hazard label: Flamm. liquid  
Excepted Quantity Code: E1  
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y344 - Max. Net Qty/Pkg. 10 L  
Passenger and Cargo Aircraft: Pack.Instr. 355 - Max. Net Qty/Pkg. 60 L  
Cargo Aircraft only: Pack.Instr. 366 - Max. Net Qty/Pkg. 220 L  
Special Provisions: A3 A324  
Emergency Response Guide-Code (ERG): 3L

### 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: 3 = Flammable liquids  
Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)  
Incident regulation: Richtlinie 2012/18/EU (Seveso III):  
Physikalische Gefahren: Ziffer 1.2.5.3 = Code P5c, Mengenschwelle 5 000 000kg / 50 000 000kg  
Technical guidance air: 5.2.5  
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):  
71,5 % by weight

### Labelling of packaging with <= 125mL content



Signal word:

**Danger**

Hazard statements:

H304 May be fatal if swallowed and enters airways.  
H413 May cause long lasting harmful effects to aquatic life.  
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
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.

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive] refer to Germany, 12. BImSchV  
Use restriction according to REACH annex XVII, no.: 3, 40

### 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:

H226 = Flammable liquid and vapour.  
H304 = May be fatal if swallowed and enters airways.  
H413 = May cause long lasting harmful effects to aquatic life.  
EUH066 = Repeated exposure may cause skin dryness or cracking.

Reason of change:

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

Date of first version:

25.4.2022

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 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  
EL50: Effective loading rate 50%  
EN: European Standard  
EQ: Excepted quantities  
EU: European Union  
Flam. Liq.: Flammable liquid  
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  
LEL: Lower Explosion Limit  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
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  
UN: United Nations  
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/thbvk9qr>

