

Material number 693

 Revision date:
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 Version:
 8.0

 Replaces version:
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 Language:
 en-DE

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## **Safety Data Sheet**

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

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

#### 1.1 Product identifier

Trade name: Eni metalGrind S 5 HM

UFI: HU50-K0RK-G00H-TTS9

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

General use: Lubricants, greases, release products.

## 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)

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

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.

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.
P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P362+P364 Take off contaminated clothing and wash it before reuse.

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

1-Decene dimers, hydrogenated

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Polysulfides, di-tert-dodecyl

#### 2.3 Other hazards

May be harmful if inhaled.

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

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

| CAS No.  | Designation                        | PBT/vPvB | <b>ED Human</b> | ED Environment |
|----------|------------------------------------|----------|-----------------|----------------|
| 128-37-0 | 3,5-Di-tert-butyl-4-hydroxytoluene |          | 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.



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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 Asp. Tox. 1; H304.                   | 50 - 75 % |
| REACH 01-2119537268-28-xxxx<br>EC No. 500-228-5<br>CAS 68649-11-6 | 1-Decene dimers, hydrogenated<br>Acute Tox. 4; H332. Asp. Tox. 1; H304.                     | 10 - 25 % |
| REACH 01-2119827000-58-xxxx<br>list no. 934-956-3<br>CAS -        | Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics Asp. Tox. 1; H304. | 10 - 25 % |
| REACH 01-2119540516-41-xxxx<br>EC No. 270-335-7<br>CAS 68425-15-0 | Polysulfides, di-tert-dodecyl<br>Skin Sens. 1B; H317.                                       | 1 - 5 %   |
| REACH 01-2119555270-46-xxxx<br>EC No. 204-881-4<br>CAS 128-37-0   | 3,5-Di-tert-butyl-4-hydroxytoluene Aquatic Acute 1; H400. Aquatic Chronic 1; H410.          | < 1 %     |

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.

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. Seek medical attention. Observe risk of aspiration if vomiting occurs.

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

May be fatal if swallowed and enters airways. May cause an allergic skin reaction. May be harmful if inhaled.

The following symptoms may occur: respiratory complaints, headache, discomfort, dizziness. Symptoms can occur only after several hours.

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

First Aid, decontamination, treatment of symptoms.



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## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing media:

Extinguishing powder, foam and carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Water

## 5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Nitrogen oxides (NOx), carbon monoxide and carbon dioxide.

### 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.

## **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. Take off contaminated clothing and wash it before reuse.

#### **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.



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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. 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

Do not store at temperatures below 0 °C.

Storage stability: Average shelf life of 24 months.

 $\label{thm:lints-on-point-storage:} \qquad \text{Do not store together with oxidizing agents or acids.}$ 

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                         | Туре                       | Limit value  |
|------------|-------------------------------------|----------------------------|--|
| 68649-11-6 | 1-Decene<br>dimers,<br>hydrogenated | Germany: TRGS 900 Kurzzeit | 20 mg/m³ (respirable fraction)                       |
|            | , ,                                 | Germany: TRGS 900 Langzeit | 5 mg/m³ (respirable fraction)                        |
| 68425-15-0 | Polysulfides,<br>di-tert-dodecyl    | Germany: TRGS 900 Kurzzeit | 20 mg/m³ (respirable fraction)                       |
|            | ·                                   | Germany: TRGS 900 Langzeit | 5 mg/m³ (respirable fraction)                        |
| 128-37-0   | 3,5-Di-tert-butyl-4-hydroxytoluene  | Germany: TRGS 900 Kurzzeit | 40 mg/m³<br>(Aerosol and vapour, inhalable fraction) |
|            | -                                   | Germany: TRGS 900 Langzeit | 10 mg/m³ (Aerosol and vapour, inhalable fraction)    |



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DNEL/DMEL: Information about 1-Decene dimers, hydrogenated:

DNEL workers, inhalative, short-term, systemic: 60 mg/m<sup>3</sup>

Information about Polysulfides, di-tert-dodecvl:

DNEL workers, inhalative, long-term, systemic: 32,9 mg/m³ DNEL workers, dermal, long-term, systemic: 46,7 mg/kg bw/d

Information about 3,5-Di-tert-butyl-4-hydroxytoluene: DNEL workers, inhalative, long-term, systemic: 1,76 mg/m³ DNEL workers, dermal, long-term, systemic: 0,5 mg/kg bw/d

PNEC: Information about Polysulfides, di-tert-dodecyl:

PNEC sewage treatment plant, short-term: 1 g/L Information about 2,6-di-tert-Butyl-p-cresol: PNEC water (freshwater), short-term: 0,199 µg/L PNEC water (marine water), short-term: 0,02 µg/L PNEC sediment (freshwater), short-term: 0,458 mg/kg dw

PNEC sediment (marine water), short-term: 0,046 mg/kg dw PNEC soil, short-term: 0,054 mg/kg dw

PNEC sewage treatment plant, short-term: 0,017 mg/L

## 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/P3 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.

Glove material: NBR nitrile rubber. Breakthrough time: 240 min Layer thickness: 0,12 mm

Unsuitable materials: CR (polychloroprene, chloroprene rubber), NR (natural rubber

(Caoutchouc)), butyl caoutchouc (butyl 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: Wear suitable protective clothing.

General protection and hygiene measures:

Avoid breathing 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".



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## **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:

Odour threshold:

No data available
Melting point/freezing point:
No data available
Initial boiling point and boiling range:
No data available
Flammability:
No data available
Upper/lower flammability or explosive limits:
No data available

Flash point/flash point range: 165 °C

Decomposition temperature: No data available pH: No data available Viscosity, kinematic: at 40 °C: 7.5 mm2/s Solubility: No data available Partition coefficient: n-octanol/water: No data available Vapour pressure: No data available Density: at 20 °C: 0,83 g/mL 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

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 reactions known.

#### 10.4 Conditions to avoid

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

#### 10.5 Incompatible materials

Oxidizing agents, acids.



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## 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.

May be harmful if inhaled.

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

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.

#### 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 1-Decene dimers, hydrogenated:

LD50 Rat, oral: > 5000 mg/kg LD50 Rat, dermal: > 2000 mg/kg LC50 Rat, inhalative: >4800 mg/m³/4h

#### **Symptoms**

The following symptoms may occur: respiratory complaints, headache, discomfort, dizziness. Symptoms can occur only after several hours.



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## **SECTION 12: Ecological information**

## 12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Information about 1-Decene dimers, hydrogenated:

Fish toxicity:

LL50: > 100 mg/L/96h Daphnia toxicity:

EL50: > 1.000 mg/L/48h

Algae toxicity:

NOEL: 125 mg/L/21h

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.

Information about 1-Decene dimers, hydrogenated:

oxygen consumption: 9 %/5 d

formation of carbon dioxide: 54,3 %/28 d

Information about Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03%

aromatics:

oxygen consumption 74 %/28 d

Information about Polysulfides, di-tert-dodecyl:

oxygen consumption 0 %/28 d

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

Partition coefficient: n-octanol/water:

No data available

## 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



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#### 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: 13 02 08\* = other engine, gear and lubricating oils

\* = 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:

Tquipment 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. 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):

< 3 % by weight

Further regulations, limitations and legal requirements:

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

## **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.

H317 = May cause an allergic skin reaction.

H332 = Harmful if inhaled.

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

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Department issuing data sheet:

see section 1: Department responsible for information

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#### Abbreviations and acronyms:

Acute Tox.: Acute toxicity

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%

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%

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

Skin Sens.: Skin sensitisation 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/6b77zuck