

Telefax: +43 5574 6706-12

## Safety Data Sheet

Print date: 13.03.2023

according to UK REACH Regulation

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Revision date: 07.03.2023

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

### 1.1. Product identifier

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Substance name: Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)

REACH Registration Number: 01-2119448343-41-

EC No: 920-360-0

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

### Use of the substance/mixture

Cooling lubricant, cutting oil

#### Uses advised against

Any non-intended use.

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

Company name: Meusburger Georg GmbH & Co KG

Street: Kesselstrasse 42
Place: A-6960 Wolfurt
Telephone: +43 5574 6706-0

e-mail: office@meusburger.com

Internet: www.meusburger.com

Responsible Department: Dr. Gans-Eichler e-mail: info@tge-consult.de

Chemieberatung GmbH Tel.: +49 2534 41594-0
Otto-Hahn-Str. 36 www.tge-consult.de

D-48161 Muenster

1.4. Emergency telephone Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

number:

### **Further Information**

Safety Data Sheet according to UK-REACH Regulation

# **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

# **GB CLP Regulation**

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

## 2.2. Label elements

## **GB CLP Regulation**

Signal word: Danger

Pictograms:



# **Hazard statements**

H304 May be fatal if swallowed and enters airways.



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### **Precautionary statements**

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

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to UK REACH.

This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

# SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Hazardous components

| CAS No            | Chemical name   | Quantity |
|-------------------|---|----------|
| EC No             | GHS Classification  |          |
| REACH No          |   |          |
| Index No          |   |          |
|                   |   |          |
|                   | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | 100 %    |
| 920-360-0         | Asp. Tox. 1; H304 EUH066  |          |
| 01-2119448343-41- |   |          |
|                   |   |          |

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

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No   | Chemical name   | Quantity |  |
|--------|---|---|----------|--|
|        | Specific Conc. Limits, M-factors and ATE  |   |          |  |
|        | 920-360-0   | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | 100 %    |  |
|        | inhalation: LC50 = >5,28 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = > 4150 mg/kg |   |          |  |

#### **Further Information**

Product does not contain listed SVHC substances > 0.1 % according to UK REACH.

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

# General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract



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irritation, consult a physician.

#### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

### After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

### 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

Carbon dioxide (CO2). Dry extinguishing powder. Alcohol resistant foam. Atomized water.

#### Unsuitable extinguishing media

High power water jet.

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

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). In case of fire and/or explosion do not breathe fumes.

## 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### **Additional information**

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

Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

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

#### General advice

Safe handling: see section 7

### For non-emergency personnel

Wear personal protection equipment (refer to section 8).

#### For emergency responders

No special measures are necessary.

#### 6.2. Environmental precautions

Discharge into the environment must be avoided.

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

#### For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.



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#### For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

# SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

### Advice on safe handling

Wear suitable protective clothing. See section 8.

# Advice on protection against fire and explosion

Usual measures for fire prevention.

### Advice on general occupational hygiene

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

### Further information on handling

General protection and hygiene measures: See section 8.

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

### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

#### Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

# Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20 °C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

## 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

### Additional advice on limit values

To date, no national critical limit values exist.

# 8.2. Exposure controls



### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.



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Provide adequate ventilation.

# Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). BS/EN 166

### Hand protection

Wear suitable gloves.

Suitable material:

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

The selected protective gloves have to satisfy the specifications of the Personal Protective Equipment at Work (Amendment) Regulations 2022 and the standard EN ISO 374.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

- -Exceeding exposure limit values
- -Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: A/P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

#### **Environmental exposure controls**

Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: light yellow
Odour: characteristic
Odour threshold: not determined

**Test method** 

Melting point/freezing point:

Boiling point or initial boiling point and

>250 °C

boiling range:

Flammability: not determined Lower explosion limits: 0,6 vol. % Upper explosion limits: 6,5 vol. %

Flash point: >= 120 °C DIN ISO 2592

Auto-ignition temperature: not determined Decomposition temperature: not determined pH-Value: not determined



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Viscosity / kinematic: 3,4 mm²/s ASTM D 7042

(at 40 °C)

Water solubility: insoluble

Solubility in other solvents

not determined

Dissolution rate:

Partition coefficient n-octanol/water:

Dispersion stability:

Vapour pressure:

not relevant

SECTION 12: Ecological information
not relevant

< 0,1 hPa

(at 20 °C)

Density (at 15 °C): 0,82 g/cm³ DIN EN ISO 12185

Bulk density: not determined Relative vapour density: not determined Particle characteristics: not relevant

### 9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion:

No data available

Self-ignition temperature

Solid: not relevant
Gas: not relevant

Oxidizing properties

none

Other safety characteristics

Evaporation rate:

Solvent separation test:

not determined
Solvent content:

not determined
Solid content:

not determined
Solid content:

not determined
Sublimation point:

not determined
Softening point:

not determined

Pour point: <= -6 °C DIN ISO 3016

Viscosity / dynamic: not determined
Flow time: not determined

**Further Information**No information available.

# SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

# 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

## 10.3. Possibility of hazardous reactions

Refer to chapter 10.5.

# 10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

### 10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.



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### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

## **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Toxicocinetics, metabolism and distribution

No data available.

#### **Acute toxicity**

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

| CAS No | Chemical name   |                      |         |              |        |  |  |
|--------|---|----------------------|---------|--------------|--------|--|--|
|        | Exposure route  | Dose                 | Species | Source       | Method |  |  |
|        | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) |                      |         |              |        |  |  |
|        | oral  | LD50 > 4150<br>mg/kg | Rat     | ECHA dossier |        |  |  |
|        | dermal  | LD50 >2000<br>mg/kg  | Rabbit  | ECHA dossier |        |  |  |
|        | inhalation (4 h)<br>dust/mist   | LC50 >5,28<br>mg/l   | Rat     | ECHA dossier |        |  |  |

#### Irritation and corrosivity

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

#### Sensitising effects

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

# Carcinogenic/mutagenic/toxic effects for reproduction

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

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %):

In vitro mutagenicity/genotoxicity: Method: OECD Guideline 473 (In Vitro Mammalian Chromosomal Aberration Test); Result: negative. Literature information: ECHA dossier; Carcinogenicity: Method: OECD Guideline 451 (Carcinogenicity Studies); Result: negative. Literature information: ECHA dossier; Reproductive toxicity: Species: Rat; Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity); Result: NOAEL >300 mg/kg; Literature information: ECHA dossier; Developmental toxicity/teratogenicity: Species: Rat; Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Result: NOAEL 1000 mg/kg; Literature information: ECHA dossier

### STOT-single exposure

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

#### STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %):

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) Species: Rat; Results: NOAEL 750 mg/kg; Literature information: ECHA dossier003487 Species: Rat; Results: NOAEL 750 mg/kg; Literature information: ECHA dossier

#### Aspiration hazard

May be fatal if swallowed and enters airways.

# Specific effects in experiment on an animal

No data available.

### 11.2. Information on other hazards



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### **Endocrine disrupting properties**

This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### Other information

No data available.

### **SECTION 12: Ecological information**

### 12.1. Toxicity

| CAS No | Chemical name   |                   |        |           |               |              |        |
|--------|---|-------------------|--------|-----------|---------------|--------------|--------|
|        | Aquatic toxicity  | Dose              |        | [h]   [d] | Species       | Source       | Method |
|        | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) |                   |        |           |               |              |        |
|        | Acute fish toxicity   | LC50<br>1000 mg/l | LL50 > | 96 h      |               | ECHA dossier |        |
|        | Acute crustacea toxicity  | EC50<br>1000 mg/l | EL50 > | 48 h      | Daphnia magna | ECHA dossier |        |
|        | Fish toxicity   | NOEC<br>5000 mg/l | EL50 > | 21 d      |               | ECHA dossier |        |
|        | Crustacea toxicity  | NOEC<br>1400 mg/l | EL50 > | 21 d      | Daphnia magna | ECHA dossier |        |

# 12.2. Persistence and degradability

| CAS No | Chemical name   |       |    |              |  |  |
|--------|---|-------|----|--------------|--|--|
|        | Method  | Value | d  | Source       |  |  |
|        | Evaluation  |       |    |              |  |  |
|        | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) |       |    |              |  |  |
|        | OECD Guideline 301 F  | 60,7% | 28 | ECHA dossier |  |  |
|        | Easily biodegradable (concerning to the criteria of the OECD)             |       |    |              |  |  |

### 12.3. Bioaccumulative potential

# Partition coefficient n-octanol/water

| CAS No | Chemical name   | Log Pow |
|--------|---|---------|
|        | Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) | > 3,5   |

### 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 UK REACH.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

## 12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

# 12.7. Other adverse effects

No data available.

### **Further information**

Do not allow to enter into surface water or drains.



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# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### **Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process. Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

#### List of Wastes Code - residues/unused products

120107 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF

METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; mineral-based machining oils free of halogens (except emulsions and

solutions); hazardous waste

#### List of Wastes Code - used product

120107 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF

METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of

metals and plastics; mineral-based machining oils free of halogens (except emulsions and

solutions); hazardous waste

## List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by

hazardous substances; hazardous waste

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### **SECTION 14: Transport information**

## Land transport (ADR/RID)

14.4. Packing group:

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3.** Transport hazard class(es): No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.



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14.3. Transport hazard class(es):
 14.4. Packing group:
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Refer to section 6 - 8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

## **SECTION 15: Regulatory information**

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

### **EU** regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC): 0%

2004/42/EC (VOC): not determined

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)

(SEVESO III):

#### **Additional information**

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The mixture is classified as hazardous according to GHS (GB CLP).

UK REACH Appendix XVII, No (mixture): 3

### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

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

#### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)

### **SECTION 16: Other information**

### Changes

Rev. 1,0; Initial release: 09.05.2018

Rev. 2.0; Revision 06.04.2020 Changes in chapter: 2-16 Rev. 3.0; Revision 07.03.2023 Changes in chapter: 2-16

## Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement

concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labeling, Packaging

DNEL: Derived No Effect Level

d: day(s)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency



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ECOSAR: Ecological Structure Activity Relationships

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

OECD: Organisation for Economic Co-operation and Development

PNEC: Predicted No Effect Concentration PBT: Persistent, bio-cumulative, toxic

QSAR: Quantitative Structure-Activity Relationship

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

SVHC: Substance of Very High Concern TRGS: Technische Regeln für Gefahrstoffe

**UN: United Nations** 

vPvB: very persistent and very bio-cumulative

VOC: Volatile Organic Compounds

w: week(s)

### Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

### **Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.