

# Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 02.09.2021 (GB) Version 1.4

GEAR FLUIDE 14 BM

382xxx



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

### 1.1. Product identifier

Name of product GEAR FLUIDE 14 BM  
Art-Nr 382xxx

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

#### Identified uses

#### Product categories [PC]

PC24 - Lubricants, greases, release products

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

Manufacturer/distributor EUROLUB GmbH  
Freisingerstraße 25-27, D-85386 Eching b. München  
Phone +49 8165 9591-0, Fax +49 8165 9591-210  
E-Mail info@eurolub.com  
Internet www.eurolub.com

### 1.4. Emergency telephone number

Emergency advice  
Phone +49 8165 9591-0  
This number is only available at office times.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

| Hazard classes and Hazard categories | Hazard Statements | Classification procedure |
|--------------------------------------|-------------------|--------------------------|
|--------------------------------------|-------------------|--------------------------|

|                   |      |  |
|-------------------|------|--|
| Aquatic Chronic 3 | H412 |  |
|-------------------|------|--|

#### Hazard statements for environmental hazards

|      |  |
|------|--|
| H412 | Harmful to aquatic life with long lasting effects. |
|------|--|

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### Hazard statements for environmental hazards

|      |  |
|------|--|
| H412 | Harmful to aquatic life with long lasting effects. |
|------|--|

#### Precautionary Statements

#### ! General

|      |   |
|------|---|
| P103 | Read carefully and follow all instructions. |
|------|---|

#### Prevention

|      |                                   |
|------|-----------------------------------|
| P273 | Avoid release to the environment. |
|------|-----------------------------------|

#### Disposal

|      |   |
|------|---|
| P501 | Dispose of contents / container in accordance with local regulations. |
|------|---|

#### Special rules for supplemental label elements for certain mixtures

Enthält 4,4'-Thiodiethylenhydrogen-2-octadecenylsuccinat . Kann allergische Reaktionen hervorrufen.

### 2.3. Other hazards

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### Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Hazardous ingredients

| CAS No      | EC No     | Name  | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]                         |
|-------------|-----------|---|------------|--|
| 72623-87-1  | 276-738-4 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based                    | 60 - 100   | Carc. 1B, H350   |
| 125643-61-0 | 406-040-9 | reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | 1 - 2,5    | Aquatic Chronic 4, H413  |
| 36878-20-3  | 253-249-4 | bis(nonylphenyl)amine   | 1 - 2      | Aquatic Chronic 4, H413  |
| 93882-40-7  | 299-434-3 | 4,4'-Thiodiethylenhydrogen-2-octadecenylsuccinat  | < 0,2      | Eye Irrit. 2, H319 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411                          |
|             | 424-820-7 | Reaktionsprodukt aus Alkylthioalkohol und substituierter Phosphorverbindung             | < 0,5      | Acute Tox. 4, H312 / Skin Corr. 1B, H314 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410 |

#### REACH

| CAS No     | Name  | REACH registration number |
|------------|---|---------------------------|
| 36878-20-3 | bis(nonylphenyl)amine   | 01-2119488911-28          |
|            | Reaktionsprodukt aus Alkylthioalkohol und substituierter Phosphorverbindung | 01-0000017126-75          |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the event of persistent symptoms receive medical treatment.

#### In case of inhalation

In case of inhalation remove the casualty into fresh air and seek medical advice.

#### In case of skin contact

In case of contact with skin wash off with soap and water.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

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

#### Physician's information / possible symptoms

No information available.

#### Physician's information / possible dangers

No data available

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

#### Treatment (Advice to doctor)

Treat symptoms.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

##### Unsuitable extinguishing media

Full water jet

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

In fires, hazardous combustion gases are formed:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

#### 5.3. Advice for firefighters

##### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

##### Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

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### SECTION 6: Accidental release measures

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

##### For non-emergency personnel

Ensure adequate ventilation.

##### For emergency responders

Use personal protective clothing.

#### 6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (e.g. oil binder).

After taking up the material dispose according to regulation.

##### Additional Information

Informations for disposal see chapter 13.

#### 6.4. Reference to other sections

Personal protection equipment: see section 8

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

##### General protective measures

Avoid explosion - before application obtain special instructions.

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### Hygiene measures

Clean skin thoroughly after working.  
At work do not eat, drink and smoke.  
Remove soaked clothing immediately.

### Advice on protection against fire and explosion

The product is combustible.

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

#### Advice on storage compatibility

No information available.

#### Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Storage group 10

Fire class B

### 7.3. Specific end use(s)

#### Recommendation(s) for intended use

See section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL-/PNEC-values

##### DNEL worker

| CAS No     | Substance name        | Value                  | Code                                 | Remark |
|------------|-----------------------|------------------------|--------------------------------------|--------|
| 36878-20-3 | bis(nonylphenyl)amine | 0,62 mg/kg             | DNEL long-term dermal (systemic)     |        |
|            |                       | 4,37 mg/m <sup>3</sup> | DNEL long-term inhalative (systemic) |        |

##### DNEL Consumer

| CAS No     | Substance name        | Value                  | Code                                 | Remark |
|------------|-----------------------|------------------------|--------------------------------------|--------|
| 36878-20-3 | bis(nonylphenyl)amine | 1,09 mg/m <sup>3</sup> | DNEL long-term inhalative (systemic) |        |
|            |                       | 0,31 mg/kg             | DNEL long-term oral (repeated)       |        |
|            |                       | 0,31 mg/kg             | DNEL long-term dermal (systemic)     |        |

##### PNEC

| CAS No     | Substance name        | Value        | Code                       | Remark |
|------------|-----------------------|--------------|----------------------------|--------|
| 36878-20-3 | bis(nonylphenyl)amine | 0,01 mg/l    | PNEC aquatic, marine water |        |
|            |                       | 263000 mg/kg | PNEC soil                  |        |
|            |                       | 0,1 mg/l     | PNEC aquatic, freshwater   |        |

### 8.2. Exposure controls

#### Respiratory protection

no

#### Hand protection

Gloves (oil-resistant)

#### Eye protection

safety goggles with side protection

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### Other protection measures

Oil-resistant protective clothing

### Limitation and surveillance of the environment

Further information: see exposure scenarios attached to this safety data sheet.

### Appropriate engineering controls

No information available.

## ! SECTION 9: Physical and chemical properties

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

#### Appearance

liquid

#### Colour

red

#### Odour

characteristic

#### Odour threshold

not determined

### Important health, safety and environmental information

|  | Value                   | Temperature | at | Method    | Remark |
|--|-------------------------|-------------|----|-----------|--------|
| <b>pH value</b>  | not determined          |             |    |           |        |
| <b>Boiling temperature / boiling range</b>               | not determined          |             |    |           |        |
| <b>stock point</b>                                       | -44 °C                  |             |    |           |        |
| <b>Flash point</b>                                       | 224 °C                  |             |    | ASTM D 93 |        |
| <b>Vapourisation rate</b>                                | not determined          |             |    |           |        |
| <b>Flammable (solid)</b>                                 | not determined          |             |    |           |        |
| <b>Flammability (gas)</b>                                | not determined          |             |    |           |        |
| <b>Ignition temperature</b>                              | not determined          |             |    |           |        |
| <b>Self ignition temperature</b>                         | not determined          |             |    |           |        |
| <b>Lower explosion limit</b>                             | not determined          |             |    |           |        |
| <b>Upper explosion limit</b>                             | not determined          |             |    |           |        |
| <b>Vapour pressure</b>                                   | not determined          |             |    |           |        |
| <b>Relative density</b>                                  | 0,841 g/cm <sup>3</sup> | 15 °C       |    | DIN 51757 |        |
| <b>Vapour density</b>                                    | not determined          |             |    |           |        |
| <b>Solubility in water</b>                               | not determined          |             |    |           |        |
| <b>Solubility/other</b>                                  | not determined          |             |    |           |        |
| <b>Partition coefficient n-octanol/water (log P O/W)</b> | not determined          |             |    |           |        |
| <b>Decomposition temperature</b>                         | not determined          |             |    |           |        |

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|                               | Value                     | Temperature | at | Method    | Remark |
|-------------------------------|---------------------------|-------------|----|-----------|--------|
| <b>Viscosity kinematic</b>    | 32,7 mm <sup>2</sup> /s   | 40 °C       |    | DIN 51562 |        |
| <b>Viscosity kinematic</b>    | 6,5 mm <sup>2</sup> /s    | 100 °C      |    | DIN 51562 |        |
| <b>Oxidising properties</b>   | No information available. |             |    |           |        |
| <b>Explosive properties</b>   | No information available. |             |    |           |        |
| <b>9.2. Other information</b> | No information available. |             |    |           |        |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

No information available.

#### 10.3. Possibility of hazardous reactions

Reactions with oxidising agents.

#### 10.4. Conditions to avoid

No information available.

#### 10.5. Incompatible materials

##### Substances to avoid

No information available.

#### 10.6. Hazardous decomposition products

No information available.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity/Irritation/Sensitization

|   | Value/Validation  | Species        | Method   | Remark |
|---|-------------------|----------------|----------|--------|
| <b>LD50 acute oral</b>                  | > 5000 mg/kg      | rat            | OECD 420 |        |
| <b>LD50 acute dermal</b>                | > 2000 mg/kg      | rabbit         | OECD 402 |        |
| <b>LC50 acute inhalation</b>            | > 5,53 mg/l (4 h) | rat            | OECD 403 |        |
| <b>Skin irritation</b>                  |                   | not determined |          |        |
| <b>Eye irritation</b>                   |                   | not determined |          |        |
| <b>Skin sensitization</b>               |                   | not determined |          |        |
| <b>Sensitization respiratory system</b> |                   | not determined |          |        |

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#### Subacute Toxicity - Carcinogenicity

|                              | Value          | Species | Method | Validation |
|------------------------------|----------------|---------|--------|------------|
| <b>Subacute Toxicity</b>     | not determined |         |        |            |
| <b>Subchronic Toxicity</b>   | not determined |         |        |            |
| <b>Chronic Toxicity</b>      | not determined |         |        |            |
| <b>Mutagenicity</b>          | not determined |         |        |            |
| <b>Reproduction-Toxicity</b> | not determined |         |        |            |
| <b>Carcinogenicity</b>       | not determined |         |        |            |

#### Specific target organ toxicity (single exposure)

not determined

#### Specific target organ toxicity (repeated exposure)

not determined

#### Aspiration hazard

not determined

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

|                | Value                  | Species | Method | Validation |
|----------------|------------------------|---------|--------|------------|
| <b>Fish</b>    | LC50 > 100 mg/l        |         |        |            |
| <b>Daphnia</b> | EC50 > 10000 mg/l      |         |        |            |
| <b>Algae</b>   | EC50 > 100 mg/l (72 h) |         |        |            |

### 12.2. Persistence and degradability

|                                       | Elimination rate | Method of analysis | Method                    | Validation |
|---------------------------------------|------------------|--------------------|---------------------------|------------|
| <b>Physico-chemical degradability</b> |                  |                    | No information available. |            |
| <b>Biological degradability</b>       |                  |                    | No information available. |            |

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No information available.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Waste code No.**

13 02 05\*

**Name of waste**

mineral-based non-chlorinated engine, gear and lubricating oils

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

#### Recommendations for the product

Remove in accordance with local official regulations.

#### Recommendations for packaging

Totally emptied packaging may be taken for recycling.

### SECTION 14: Transport information

|                                  | ADR/RID | IMDG | IATA-DGR |
|----------------------------------|---------|------|----------|
| 14.1. UN number                  | -       | -    | -        |
| 14.2. UN proper shipping name    | -       | -    | -        |
| 14.3. Transport hazard class(es) | -       | -    | -        |
| 14.4. Packing group              | -       | -    | -        |
| 14.5. Environmental hazards      | -       | -    | -        |

#### 14.6. Special precautions for user

No information available.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

#### Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

#### Marine transport IMDG

No dangerous goods as defined by these transport regulations.

#### Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

#### Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

### SECTION 15: Regulatory information

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

##### VOC standard

VOC content

=0 %

VOC value

0 g/L



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### National regulations

**Water hazard class** 2 self-classification

**Decree for case of interference/ remarks** Accident decree, addendum II: not named.

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.3

- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H350 May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.