

# Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 02.09.2021 (GB) Version 1.0

GEAR FLUIDE II

373xxx



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

### 1.1. Product identifier

Name of product GEAR FLUIDE II  
Art-Nr 373xxx

### 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
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Aquatic Chronic 3	H412	
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#### 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

#### 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 Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs. . Kann allergische Reaktionen hervorrufen.

### 2.3. Other hazards

#### Results of PBT and vPvB assessment

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

**Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)**

Revision 02.09.2021 (GB) Version 1.0

**GEAR FLUIDE II**

373xxx



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**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]
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic	10 - 20	Carc. 1B, H350
8042-47-5		mineral oil	< 80	Asp. Tox. 1, H304
61791-44-4	263-177-5	Ethanoo, 2,2'-Iminobis-, N-tallow alkyl derivs.	< 1	Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Eye Dam. 1, H318 / Skin Sens. 1A, H317 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410

**Additional advice**

The highly refined mineral oil contains a dimethyl sulfoxide (DMSO) according to IP 346 extractable content of less than 3 % (w/w).

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**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

## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 02.09.2021 (GB) Version 1.0

**GEAR FLUIDE II**

373xxx



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### 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.

#### 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.

## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 02.09.2021 (GB) Version 1.0

GEAR FLUIDE II

373xxx



### 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

### 8.2. Exposure controls

#### Respiratory protection

no

#### Hand protection

Gloves (oil-resistant)

#### Eye protection

safety goggles with side protection

#### 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>	-45 °C				
<b>Flash point</b>	166 °C			ASTM D 93	

## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 02.09.2021 (GB) Version 1.0

GEAR FLUIDE II

373xxx



	Value	Temperature	at	Method	Remark
<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>	0,87 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				
<b>Viscosity kinematic</b>	34,9 mm <sup>2</sup> /s	40 °C		DIN 51562	
<b>Viscosity kinematic</b>	6,8 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.

## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 02.09.2021 (GB) Version 1.0

GEAR FLUIDE II

373xxx



### 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		

#### 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

## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 02.09.2021 (GB) Version 1.0

GEAR FLUIDE II

373xxx



### 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.

### 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
<b>14.1. UN number</b>	-	-	-
<b>14.2. UN proper shipping name</b>		-	-
<b>14.3. Transport hazard class(es)</b>		-	-

## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 02.09.2021 (GB) Version 1.0

GEAR FLUIDE II

373xxx



	ADR/RID	IMDG	IATA-DGR
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-
<b>14.6. Special precautions for user</b> No information available.			
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> not applicable			
<b>Land and inland navigation transport ADR/RID</b> No dangerous goods as defined by these transport regulations.			
<b>Marine transport IMDG</b> No dangerous goods as defined by these transport regulations.			
<b>Air transport ICAO/IATA-DGR</b> No dangerous goods as defined by these transport regulations.			
<b>Transport/further information</b> 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

#### National regulations

Water hazard class 1 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.

## 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.

- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- 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.