

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## GEAR FLUIDE BM SPEZIAL

Print date: 25.06.2015

Product code: 381xxx

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

#### 1.1. Product identifier

EUROLUB(r) GEAR FLUIDE BM SPEZIAL

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

##### Use of the substance/mixture

ATF (Automatic Transmission Fluid)

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

Company name:	EUROLUB GmbH	
Street:	Freisinger Strasse 25-27	
Place:	D-85386 Eching	
Telephone:	+49 (0)8165/9591-0	Telefax: +49 (0)8165/9591-20
e-mail:	info@eurolub.com	
Internet:	www.eurolub.com	
Responsible Department:	Kundenservice	

#### 1.4. Emergency telephone number:

During business time. Mo. till Th. 8.00am-4.00pm, Fr. 8.00am-1.00pm

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is not classified as hazardous according to Directive 1999/45/EC.

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

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to of the disposal according to local regulations.

#### 2.3. Other hazards

No data available

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
276-738-4	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	45 - < 50 %
72623-87-1		
649-483-00-5	Asp. Tox. 1; H304	
01-2119474889-13		
276-737-9	Baseoil - unspecified, Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	1 - < 5 %
72623-86-0	Xn - Harmful R65	
	Asp. Tox. 1; H304	
242-556-9	3(decyloxy)tetrahydrothiophen-1,1-dioxide	< 1 %
18760-44-6	N - Dangerous for the environment R51-53	
	Aquatic Chronic 2; H411	
424-820-7	Reaction product of alkylthioalcohol and substituted phosphorus compound	< 1 %
	C - Corrosive, Xn - Harmful, N - Dangerous for the environment R21-34-50-53	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H312 H314 H400 H410	
01-0000017126-75		

Full text of R-, H- and EUH-phrases: see section 16.

### Further Information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Self-protection of the first aider

Change contaminated clothing.

Do not put any product-impregnated cleaning rags into your trouser pockets.

#### After inhalation

In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.

Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

#### After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice/attention.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or

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label.

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

Caution if victim vomits: Risk of aspiration!

Aspiration hazard: Call a physician immediately.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

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

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Foam.

#### **Unsuitable extinguishing media**

High power water jet.

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

Special exposure hazards arising from the substance itself, combustion products, resulting gases:

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Sulphur oxides. Phosphorus oxides. Hydrogen sulphide (H<sub>2</sub>S).

### **5.3. Advice for firefighters**

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

In case of fire and/or explosion do not breathe fumes.

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.

Dispose of waste according to applicable legislation.

Use water spray jet to protect personnel and to cool endangered containers.

## **SECTION 6: Accidental release measures**

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

Special danger of slipping by leaking/spilling product.

Wear suitable protective clothing.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

### **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).

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

### **6.4. Reference to other sections**

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Protect skin by using skin protective cream. Wash hands before breaks and after work.

Conditions to avoid: aerosol or mist generation.

#### **Advice on protection against fire and explosion**

No special measures are necessary.

When using do not smoke.

Fire class: B (DIN-/EN-Norms: EN2)

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

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### Requirements for storage rooms and vessels

Keep container tightly closed.  
Keep away from heat. Keep/Store only in original container.

### Advice on storage compatibility

Do not store together with: Food and fodder, Oxidizing agents.

### Further information on storage conditions

If product enters soil, it will be mobile and may contaminate groundwater. Keep away from heat.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective and hygiene measures

When using do not eat, drink or smoke.  
Change contaminated clothing.  
Wash hands before breaks and after work.  
Protect skin by using skin protective cream.  
Keep away from food, drink and animal feedingstuffs.  
Do not breathe vapour.

#### Eye/face protection

In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

#### Hand protection

Wear suitable gloves.

#### Skin protection

In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

#### Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

	Test method
pH-Value:	not applicable DIN 51369

#### Changes in the physical state

Pour point:	ISO 3016
Pourpoint::	~-42 °C DIN ISO 3016
Flash point:	>150 °C ISO 2592
Ignition temperature:	No data available
Vapour pressure: (at 20 °C)	<0,1 hPa calculated.
Density (at 15 °C):	~0,85 g/cm <sup>3</sup> DIN 51757
Water solubility: (at 20 °C)	practically insoluble

#### Solubility in other solvents

Soluble in hydrocarbons (mineral oil.)

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Viscosity / kinematic:  
(at 40 °C) ~31 mm<sup>2</sup>/s DIN 51562

Solvent separation test: No data available  
Solvent content: none Solvents

### 9.2. Other information

Solid content: 0  
none

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This product is stable under normal conditions. Hazardous reactions are unlikely.

### 10.2. Chemical stability

No thermal decomposition if properly stored / handled /transported.

Onset of decomposition at elevated temperatures (>100°C)

### 10.3. Possibility of hazardous reactions

possible with strong oxidizing agents.

This product is stable under normal conditions. Hazardous reactions are unlikely.

### 10.4. Conditions to avoid

Oxidizing agents, strong.

### 10.5. Incompatible materials

Oxidizing agents, strong.

### 10.6. Hazardous decomposition products

none

### Further information

No thermal decomposition if properly stored / handled /transported.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

No data available.

Irritant effect on the respiratory tract: Do not breathe gas/vapour.

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based					
	oral	LD50 mg/kg	=>	5000	Rat	OECD 401
	dermal	LD50 mg/kg	= >	2000	Rabbit	OECD 402
	inhalative (4 h) vapour	LC50	= >	5.53 mg/l	Rat	OECD 403
	Reaction product of alkylthioalcohol and substituted phosphorus compound					
	oral	LD50	>	2000 mg/kg		
	dermal	LD50	>	500 mg/kg		

#### Irritation and corrosivity

Irritant effect on the skin: none

Frequent and prolonged eye contact may cause eye irritation.

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### Sensitising effects

Due to the very low concentration of sensitizing substances, the finished product can be assumed not to be skin-sensitizing.

### Severe effects after repeated or prolonged exposure

Frequently or prolonged contact with skin may cause dermal irritation.

### Carcinogenic/mutagenic/toxic effects for reproduction

The product is not classified.

### Specific effects in experiment on an animal

No data available.

### Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### Practical experience

#### Observations relevant to classification

Has de-greasing effect on the skin.

#### Other observations

No special hazards known when the product is properly used and the precautionary measures indicated are observed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name	Method	Dose	[h]   [d]	Species	Source
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based					
	Acute fish toxicity	LC50	> 100 mg/l	96 h		OECD 203
	Acute algae toxicity	ErC50	>= 100 mg/l	72 h		OECD 201
	Acute crustacea toxicity	EC50 mg/l	> 10 000	48 h		OECD 202
	Reaction product of alkylthioalcohol and substituted phosphorus compound					
	Acute fish toxicity	LC50	1,5 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203
	Acute algae toxicity	ErC50	0,31 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	0,09 mg/l	48 h	Daphnia magna	OECD 202
	Crustacea toxicity	NOEC	0,14 mg/l	21 d	Daphnia magna	

### 12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. Poorly eliminated from water.

Not easily bio-degradable (according to OECD-criteria). Product is partially biodegradable. Significant residues remain.

Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

### 12.3. Bioaccumulative potential

No data available.

Do not allow uncontrolled discharge of product into the environment.

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### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	> 6

### 12.4. Mobility in soil

No data available.

### 12.6. Other adverse effects

Aquatic organisms: No data available.

Effects in sewage plants No data available.

No data available.

### Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

The waste codes stated are recommendations based on the expected use of the substance and may be re-assigned to other waste codes by the user, if applicable.

Dispose of waste according to applicable legislation.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

#### Waste disposal number of waste from residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils  
Classified as hazardous waste.

#### Waste disposal number of used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils  
Classified as hazardous waste.

#### Waste disposal number of 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 dangerous substances  
Classified as hazardous waste.

#### Contaminated packaging

Dispose of this material and its container to hazardous or special waste collection point.

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### Land transport (ADR/RID)

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

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### Other applicable information (land transport)

No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

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

**14.2. UN proper shipping name:** ATF

**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.

### Other applicable information (inland waterways transport)

No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

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

**14.2. UN proper shipping name:** ATF

**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.

### Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

### Air transport (ICAO)

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

**14.2. UN proper shipping name:** ATF

**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.

### Other applicable information (air transport)

No dangerous good in sense of this transport regulation.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

## SECTION 15: Regulatory information

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

#### EU regulatory information

#### Additional information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

#### National regulatory information

Water contaminating class (D): 2 - water contaminating

## SECTION 16: Other information

### Relevant R-phrases (Number and full text)

- |    |                                  |
|----|----------------------------------|
| 21 | Harmful in contact with skin.    |
| 34 | Causes burns.                    |
| 50 | Very toxic to aquatic organisms. |
| 51 | Toxic to aquatic organisms.      |



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- 53 May cause long-term adverse effects in the aquatic environment.  
65 Harmful: may cause lung damage if swallowed.

### Relevant H- and EUH-phrases (Number and full text)

- H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
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.  
H412 Harmful to aquatic life with long lasting effects.

### Further Information

The above data are intended to describe our product in terms of any safety requirements to be observed. They reflect the state of our current knowledge and experience and shall not be construed as warranted characteristics. Any warranty for accuracy and completeness shall be expressly excluded.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*