

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gear Fluide BM spezial

Revision date: 12.12.2017

366xxx

Page 1 of 8

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

1.1. Product identifier

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 Str. 25 - 27	
Place:	D-85386 Eching	
Telephone:	+49 (0)8165 / 9591-0	Telefax: +49 (0)8165 / 9591-0
e-mail:	info@eurolub.com	
Internet:	www.eurolub.com	
Responsible Department:	Kundenservice	

1.4. Emergency telephone number: +49 (0) 8165 / 9591-0 Mo.-Do. 8 - 15h, Fr. 8 - 13h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gear Fluide BM spezial

Revision date: 12.12.2017

366xxx

Page 2 of 8

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based			30 - < 60 %
	276-738-4	649-483-00-5	01-2119474889-13	
	Asp. Tox. 1; H304			
	Reaction product of alkylthioalcohol and substituted phosphorus compound			< 1 %
	424-820-7		01-0000017126-75	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1; H312 H314 H400 H410			

Full text of H and EUH statements: 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 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 (CO₂). Dry extinguishing powder. Foam.

Unsuitable extinguishing media

High power water jet.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gear Fluide BM special

Revision date: 12.12.2017

366xxx

Page 3 of 8

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance itself, combustion products, resulting gases:
Carbon dioxide (CO₂). Carbon monoxide Sulphur oxides. Phosphorus oxides. Hydrogen sulphide (H₂S).

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

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gear Fluide BM spezial

Revision date: 12.12.2017

366xxx

Page 4 of 8

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 ³ DIN 51757
Water solubility: (at 20 °C)	practically insoluble

Solubility in other solvents

Soluble in hydrocarbons (mineral oil.)

Viscosity / kinematic: (at 40 °C)	~31 mm ² /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)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gear Fluide BM spezial

Revision date: 12.12.2017

366xxx

Page 5 of 8

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 route	Dose	Species	Source	Method
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 mg/l = > 5.53	Rat	OECD 403	
	Reaction product of alkylthioalcohol and substituted phosphorus compound				
	oral	LD50 mg/kg >2000			
	dermal	LD50 mg/kg >500			

Irritation and corrosivity

Irritant effect on the skin: none

Frequent and prolonged eye contact may cause eye irritation.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

The product is not classified.

STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gear Fluide BM spezial

Revision date: 12.12.2017

366xxx

Page 6 of 8

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					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
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 > 10 000 mg/l	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.

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).

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gear Fluide BM special

Revision date: 12.12.2017

366xxx

Page 7 of 8

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; 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; 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 hazardous substances; 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.

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gear Fluide BM spezial

Revision date: 12.12.2017

366xxx

Page 8 of 8

Air transport (ICAO-TI/IATA-DGR)

- 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 Marpol 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 - clearly water contaminating

SECTION 16: Other information**Relevant H and EUH statements (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.
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.

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