



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

1.1. Product identifier

Name of product Flüssigkeitsgetriebeöl ATF (1-Liter)

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

Recommended intended purpose(s)

Transmission oil

1.3. Details of the supplier of the safety data sheet

Distributor Daimler AG
D-70546 Stuttgart Germany

Advice

Phone +49 (0)711 17-97390
Fax +49 (0)711 17-94831
E-mail (competent person):
Mercedes-Benz-SDB@daimler.com

1.4. Emergency telephone number

Emergency advice Phone +49 (0)711 17-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Additional hints

The preparation is not classified as hazardous according to Directive 1999/45/EC.

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

Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements

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

Precautionary Statements

General

P102 Keep out of reach of children.

Special rules for supplemental label elements for certain mixtures

Safety data sheet available on request.

2.3. Other hazards

Adverse human health effects and symptoms

Excessive exposure can result in irritation of the eyes, skin or respiratory tract.
A subcutaneous injection administered under high pressure may cause severe damage

**! 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**Description**

Mixture of highly refined crude oils and additives

! Hazardous ingredients

CAS No	EC No	Name	[%]	Classification according to 67/548/EEC
68783-96-0	272-213-9	Sulfonsäuren, Erdöl, Calciumsalze, überalkalisch	1 - 5	R53
68649-42-3	272-028-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	< 2,5	Xi R41; N R51/53
8042-47-5	232-455-8	Weißes Mineralöl (Erdoel)	30 - 40	-

CAS No	EC No	Name	[%]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
68783-96-0	272-213-9	Sulfonsäuren, Erdöl, Calciumsalze, überalkalisch	1 - 5	Aquatic Chronic 4, H413
68649-42-3	272-028-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	< 2,5	Eye Dam. 1, H318 / Aquatic Chronic 2, H411
8042-47-5	232-455-8	Weißes Mineralöl (Erdoel)	30 - 40	Asp. Tox. 1, H304

REACH

CAS No	Name	REACH registration number
8042-47-5	Weißes Mineralöl (Erdoel)	01-2119487078-27

SECTION 4: First aid measures**4.1. Description of first aid measures****In case of inhalation**

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

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

Consult a doctor if skin irritation persists.

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.

Consult physician in the event of continuous problems

4.2. Most important symptoms and effects, both acute and delayed**Physician's information / possible symptoms**

Local necrosis evidenced by delayed occurrence of pain and tissue damage several hours following injection.



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

No information available.

! SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry powder

Carbon dioxide

water mist

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Carbon monoxide (CO)

Aldehydes

Sulphur dioxide (SO₂)

Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately; it shall not run into the sewage system, aquatic environment or into the soil.

Cool endangered containers with water spray jet.

! SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid skin and eye contact

! For emergency responders

Avoid skin and eye contact

Keep away unprotected persons

6.2. Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.

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

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

Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).

Remove from water surface (e.g. skimming, suction)

Take up mechanically.



6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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 contact with eyes and skin

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Wash soiled clothing immediately.

Wash skin thoroughly and immediately after handling the product.

Particular cleanliness and hygiene must be observed.

7.2. Conditions for safe storage, including any incompatibilities

Advice on storage compatibility

Do not store together with oxidizing agents.

Further information on storage conditions

Keep container tightly closed.

Keep container in a well-ventilated place

7.3. Specific end use(s)

No information available.

! SECTION 8: Exposure controls/personal protection

8.1. Control parameters

! Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
	Ölnebel	8 hours	5		Empfehlung

8.2. Exposure controls

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.

Hand protection

Protective gloves

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

! Eye protection

Safety glasses recommended during transfer

Other protection measures

protective clothing



Appropriate engineering controls

Sufficient ventilation and exhaustion.

! SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

amber

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not applicable				
starts to boil	> 316 °C				
pourpoint	-34 °C				tolerance: +/- 10%
Flash point	> 150 °C			ASTM D 92	tolerance: +/- 10%
Vapourisation rate	not determined				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	ca. 0,9 Vol-%				
Upper explosion limit	ca. 7 Vol-%				
Vapour pressure	< 0,013 kPa	20 °C			
Relative density	0,86	15 °C			
Vapour density	> 2		101 kPa		
Solubility in water					insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	> 3,5				



	Value	Temperature	at	Method	Remark
Decomposition temperature	not determined				
Viscosity kinematic	38 mm ² /s	40 °C			tolerance: +/- 10%
Viscosity kinematic	7,27 mm ² /s	100 °C			tolerance: +/- 10%
Oxidising properties					
Non-oxidizing					
Explosive properties					
The product is not explosive					
9.2. Other information					
No information available.					

! SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Ignition sources

Heat

10.5. Incompatible materials

! Materials to avoid

strong oxidants

10.6. Hazardous decomposition products

Thermal decomposition

Remark Stable at ambient temperature.

Additional information

No risk of production of decomposition products when appropriately handled and stored



! SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	rat		Specifications relate to the subcomponent.
LD50 acute dermal	> 2000 mg/kg	rabbit		Individual components
Irritability skin	non-irritant			
Irritability eye	non-irritant			
Skin sensitization	non-sensitizing			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity				no
Subchronic Toxicity				no
Chronic Toxicity				no
Mutagenicity				no
Reproduction-Toxicity				no
Carcinogenicity				no

! Specific target organ toxicity (single exposure)
no

! Specific target organ toxicity (repeated exposure)
no

! Aspiration hazard
no

Experiences made from practice

Frequent persistent contact with the skin may cause skin irritation.

! SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential



The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

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

Behaviour in sewage plant

The product floats on top of the water/sewage.

General regulation

Do not allow uncontrolled leakage of product into the environment.

! 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

Disposal in accordance with local regulations.

General information

The waste code must be allocated in compliance with the EAK-regulation referring to the specific process and the sector

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

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

No information available.

15.2. Chemical Safety Assessment

Substance safety analysis was not performed for this mixture.

! SECTION 16: Other information

! Recommended uses and restrictions

Adhere to existing national and local rules referring to chemicals.

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: 1.8

Sources of key data used

Safety data sheets of suppliers

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 41 Risk of serious damage to eyes.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 53 May cause long-term adverse effects in the aquatic environment.

H304 May be fatal if swallowed and enters airways.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.