



A 002 989 06 03 12

Mercedes-Benz Genuine Automatic Transmission Fluid ATF MB 236.17

Print date 24.01.2023
Revision date 12.01.2023
Version 2.2 (en)
replaces version of 04.11.2022 (2.1)

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

1.1 Product identifier

Trade name/designation Mercedes-Benz Genuine Automatic Transmission Fluid ATF MB 236.17
MB-Freigabe-Nr 236.17
Product category PC-TEC-8 Hydraulic fluids, including brake and transmission fluids

Hazard components for labelling

C18-C50 branched, cyclic and linear hydrocarbons - Distillates

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

Use of the substance/mixture

Transmission oil

1.3 Details of the supplier of the safety data sheet

Supplier

Mercedes-Benz AG
70546 Stuttgart
Germany
+49 (0)711 17-0
Telefon + 49 (0)711 17-97390
Telefax + 49 (0)711 17-94831
E-Mail (fachkundige Person) mercedes-benz-sdb@mercedes-benz.com

Manufacturer

Mercedes-Benz AG

70546 Stuttgart
Germany

Telephone +49 711 17-0
E-mail (competent person):
mercedes-benz-sdb@daimler.com

1.4 Emergency telephone number

+49 711 17-0
gms.aftersales.mercedes-benz.com
Giftnotruf der Charité – Universitätsmedizin Berlin +49 (0)30 30686700

! SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Asp. Tox. 1, H304	



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hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

2.2 Label elements

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

Hazard components for labelling

C18-C50 branched, cyclic and linear hydrocarbons - Distillates

Hazard pictograms



GHS08

Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P102 Keep out of reach of children.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P501 Dispose of contents/container in accordance with regional regulations.

! 2.3 Other hazards

! Adverse human health effects and symptoms

Der Stoff/dieses Gemisch enthält keine Bestandteile, die gemäß REACH Artikel 57(f) oder der delegierten Verordnung (EU) 2017/2100 der Kommission oder der delegierten Verordnung (EU) 2018/605 der Kommission in Mengen von 0,1 % oder mehr endokrinschädliche Eigenschaften aufweisen.

! Other adverse effects

Special danger of slipping by leaking/spilling product.

Prolonged or repeated contact with the skin without cleaning properly may clog the skin pores and lead to disorders such as oil acne / folliculitis.

Used oil may contain harmful contaminants.

Not classified as ignitable but combustible.

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

Synthetic oil and additives.

highly refined mineral oils.

The highly refined mineral oil is only available as an additive diluent.



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Hazardous ingredients

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
848301-69-9	482-220-0	C18-C50 branched, cyclic and linear hydrocarbons - Distillates	80 - 99.9 %	Asp. Tox. 1; H304	ATE(oral): > 5000 mg/kg
REACH No.		Substance name			
01-0000020163-82		C18-C50 branched, cyclic and linear hydrocarbons - Distillates			

Remark

The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

In the event of symptoms refer for medical treatment.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.
 In case of skin irritation, consult a physician.

After eye contact

Remove contact lens
 In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Do NOT induce vomiting.
 If vomiting occurs spontaneously, keep the head below the hips to prevent inhalation.
 Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

The following symptoms may occur:

- Fever
- Dyspnoea
- Cough
- Vomiting
- Nausea
- diarrhea

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Risk of chemical pneumonia.

Special treatment

Obtain information from a physician or poison centre.



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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam
Dry extinguishing powder
Extinguishing powder
Carbon dioxide (CO₂)
Water mist

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Fire gas of organic material has to be classed invariably as respiratory poison.

5.3 Advice for firefighters

Special protective equipment for firefighters

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

Additional information

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

For non-emergency personnel

Avoid skin and eye contact.
Special danger of slipping by leaking/spilling product.

For emergency responders

Avoid skin and eye contact
Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

If stretches of water or sewerage systems become polluted, inform the relevant authorities.
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

For containment

Collect with spongy material (all-purpose gelation agent) and dispose of in compliance with the regulations.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13



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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

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

Take precautionary measures against static discharges (earthing (grounding) at pouring)

Avoid:

Eye contact

Skin contact

Do not inhale gases/vapours/aerosols.

Adhere to general precaution rules when handling chemicals

Advices on general occupational hygiene

Thorough skin-cleansing after handling the product.

Apply skin care products after work.

When using do not eat, drink, smoke, sniff.

Keep away from food and drink.

Wash hands before breaks and after work.

Use protective skin cream before handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Packaging materials:

Unsuitable material:

PVC.

Requirements for storage rooms and vessels

Keep/Store only in original container.

Keep container tightly closed.

Storage class

10 Combustible liquids that cannot be assigned to any of the above storage classes

Materials to avoid

Do not store together with:

Oxidising agent

Food and feedingstuffs

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Protect against:

Heat

Store at room temperature.

7.3 Specific end use(s)

Recommendation

See section 1.2



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Sufficient ventilation and exhaustion.

Personal protection equipment

Eye/face protection

Safety glasses recommended during transfer
EN 166

Hand protection

Glove materials data [type, thickness, breakthrough time/duration of use, permeation rate]: Nitrile rubber (protection index 6, >480 min, 0.4 mm)

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.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Body protection:

Protective clothing

Respiratory protection

Respiratory protection necessary at:

insufficient exhaust

prolonged exposure

Suitable respiratory protection apparatus:

Filtering device (full mask or mouthpiece) with filter:

AX

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

amber

brown

Odour

slight hydrocarbon

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	Pour point ≤ -48 °C	ASTM D 97	



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	Value	Method	Source, Remark
Boiling point or initial boiling point and boiling range	> 280 °C	estimated	
flammability			Non-flammable Flammable
Lower and upper explosion limit	Upper explosion limit 10 Vol-%		
Lower and upper explosion limit	Lower explosion limit 1 Vol-%		
Flash point	210 °C	ASTM D92	
Auto-ignition temperature	> 320 °C		
Decomposition temperature	not determined		
pH	in delivery state		not applicable nicht in Wasser löslich
Viscosity	kinematic 18.5 mm ² /s (40°C)	ASTM D445	
Viscosity	kinematic 4- 4.25 mm ² /s (100°C)	ASTM D445	
Solubility(ies)	Water solubility		practically insoluble
Partition coefficient n-octanol/water (log value)	> 6		based on information from comparable products
Vapour pressure	< 0.5 Pa (20°C)	estimated	
Density and/or relative density	0.818- 0.825 g/cm ³ (15°C)	ASTM D1298	
Relative vapour density	> 5	estimated	
particle characteristics	not determined		

9.2 Other information

Other safety characteristics

	Value	Method	Source, Remark
Explosive properties:			The product is not explosive

Other information
 none

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions with proper storage and handling.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

Reactions with strong oxidising agents.



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10.4 Conditions to avoid

Ignition sources
 Heat
 insolation

10.5 Incompatible materials

Oxidising agent, strong

10.6 Hazardous decomposition products

None known with intended use.

Additional information

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

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Animal data

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	> 5000 mg/kg Species Rat		Data obtained by analogy conclusion, e.g. (Q)SAR.
	CAS No.848301-69-9 C18-C50 branched, cyclic and linear hydrocarbons - Distillates LD50: > 5000 mg/kg		
Acute dermal toxicity	> 5000 mg/kg Species Rabbit		Data obtained by analogy conclusion, e.g. (Q)SAR.
Acute inhalation toxicity	> 5000 mg/m ³ Species Rat		Data obtained by analogy conclusion, e.g. (Q)SAR.

Assessment/classification

The classification criteria have not been met according to the available data.

Skin corrosion/irritation

Practical experience/human evidence

Repeated or prolonged contact with the skin may cause skin irritation.

Assessment/classification

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Practical experience/human evidence

Repeated or prolonged contact with the eyes may cause eye irritation.

Assessment/classification

Based on available data, the classification criteria are not met.



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Sensitisation to the respiratory tract

Assessment/classification

Based on available data, the classification criteria are not met.

Skin sensitisation

Assessment/classification

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Assessment/classification

Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment/classification

Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment/classification

Based on available data, the classification criteria are not met.

Overall Assessment on CMR properties

This product does not meet the criteria for classification in Categories 1A/1B.

STOT-single exposure

STOT SE 1 and 2

Assessment/classification

Based on available data, the classification criteria are not met.

STOT SE 3

Irritation to respiratory tract

Assessment/classification

Based on available data, the classification criteria are not met.

Narcotic effects

Assessment/classification

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Assessment/classification

Based on available data, the classification criteria are not met.

Aspiration hazard

Assessment/classification

May be fatal if swallowed and enters airways.



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11.2 Information on other hazards

Symptoms related to the physical, chemical and toxicological characteristics

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			Der Stoff/dieses Gemisch enthält keine Bestandteile, die gemäß REACH Artikel 57(f) oder der delegierten Verordnung (EU) 2017/2100 der Kommission oder der delegierten Verordnung (EU) 2018/605 der Kommission in Mengen von 0,1 % oder mehr endokrinschädliche Eigenschaften aufweisen.

Other information

Risk of eye and respiratory tract irritation due to high temperatures of vapours and oil mist

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: > 100 mg/L	estimated	
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 > 100 mg/L	estimated	
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	EC50 > 100 mg/L	estimated	
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

Assessment/classification

Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

Assessment/classification

On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment cannot be ruled out.
 Not easily biodegradable.



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12.3 Bioaccumulative potential

Assessment/classification

Contains potentially bioaccumulative ingredients.

12.4 Mobility in soil

Assessment/classification

Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.

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 Endocrine disrupting properties

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			Der Stoff/dieses Gemisch enthält keine Bestandteile, die gemäß REACH Artikel 57(f) oder der delegierten Verordnung (EU) 2017/2100 der Kommission oder der delegierten Verordnung (EU) 2018/605 der Kommission in Mengen von 0,1 % oder mehr endokrinschädliche Eigenschaften aufweisen.

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
130206 *	synthetic engine, gear and lubricating oils

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Dispose of waste according to applicable legislation.

Remark

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.



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SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

For bulk shipments by sea, the regulations of MARPOL Annex 1 apply.

All transport carriers

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

Other regulations (EU)

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC

VOC-value 0 %

15.2 Chemical Safety Assessment

National regulations

Substance safety analysis was not performed for this mixture.

! SECTION 16: Other information

! Indication of changes

* Data changed compared with the previous version
Current safety data sheets are available at:
<https://gms.aftersales.mercedes-benz.com>

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).
Asp. Tox. 1: Aspiration toxicity, Category 1

Key literature references and sources for data

Safety data sheets of suppliers

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified according to the available hazard data for the constituents as defined in the classification criteria for mixtures for each hazard class in Appendix I of Regulation (EC) No 1272/2008.

Einstufungsverfahren:
Berechnung



Mercedes-Benz

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

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Additional information

Adhere to existing national and local rules referring to chemicals.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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

H304 May be fatal if swallowed and enters airways.