



To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs to assist our customers in their compliance efforts. The attached document is in compliance with one of the respective country regulatory requirements noted below:

The OSHA Hazard Communication Standard (in the United States)
The Hazardous Products Regulations (in Canada)

We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Product Stewardship Team
Zep Inc.



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

1.1 Product identifier

Trade name/designation Automatik-Getriebeöl ATF 134, MB 236.14

Partno A 001 989 68 03 18

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

Use

Lubricant

1.3 Details of the supplier of the safety data sheet

Supplier

Mercedes-Benz AG

70546 Stuttgart

Germany

+49 (0)711 17-0

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Telefax + 49 (0)711 17-94831

E-Mail (fachkundige Person) Mercedes-Benz-SDB@daimler.com

Manufacturer

Mercedes-Benz AG

70546 Stuttgart

Germany

Telephone +49 (0)711 17-0

1.4 Emergency telephone number

+49 (0)711 17-0

gms.daimler.com

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Remark

This mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

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

product identifiers

Trade name/designation Automatik-Getriebeöl ATF 134, MB 236.14

Precautionary statements

P102 Keep out of reach of children.

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards

Other adverse effects

Special danger of slipping by leaking/spilling product.



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

Highly refined mineral oil with additives.

Hazardous ingredients

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]
72623-87-1	276-738-4	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified	50 < 100 %	Asp. Tox. 1 H304
REACH No.	Substance name			
01-2119474889-13	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified			

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

General information

Remove contaminated, saturated clothing immediately.
Never put product impregnated rags into clothing pockets

Following inhalation

Provide fresh air.
In the event of symptoms refer for medical treatment.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

After eye contact

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.

After ingestion

Do NOT induce vomiting.
Call a physician immediately.
Rinse mouth thoroughly with water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

May cause irritation of the skin and eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.



SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam
Extinguishing powder
Carbon dioxide (CO₂)
Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire formation of dangerous gases possible.
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

Co-ordinate fire-fighting measures to the fire surroundings.
Contaminated fire-fighting water must be collected separately; it shall not run into the sewage system, aquatic environment or into the soil.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Special danger of slipping by leaking/spilling product.

For emergency responders

Special danger of slipping by leaking/spilling product.

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).
Do not allow to enter into soil/subsoil.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Avoid:

generation/formation of aerosols

Do not heat up to temperatures close to the flash point.

All work processes must always be designed so that the following is as low as possible:

Skin contact

Do not inhale gases/vapours/aerosols.

Adhere to general precaution rules when handling chemicals

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



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.
Use protective skin cream before handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Storage class

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

Materials to avoid

Do not store together with:
Food and feedingstuffs

Further information on storage conditions

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

7.3 Specific end use(s)

Recommendation

See section 1.2

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
DIN 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:
aerosol or mist formation
high concentrations

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

red



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Odour

characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
pH	not determined		
Melting point/freezing point	not determined		
Initial boiling point and boiling range	not determined		
Flash point	200 °C		
Evaporation rate	not determined		
flammability	not determined		
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		
Density	0.84 g/cm ³ (15°C)		
Solubility(ies)	Water solubility (g/L)		Immiscible
Partition coefficient: n-octanol/water	not determined		
Auto-ignition temperature			The product is not self-igniting.
Decomposition temperature	not determined		
Viscosity	kinematic 29.6 mm ² /s (40°C)		
Explosive properties:			The product is not explosive
Oxidising properties	not determined		

9.2 Other information

Other safety information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Heat
High temperatures

10.5 Incompatible materials

Oxidising agent, strong
Strong acids
Strong bases



10.6 Hazardous decomposition products

Thermal decomposition or combustion may lead to the release of carbon oxides and other toxic gases and vapours.

No decomposition products will result from proper storage and handling.

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

Animal data

	Effective dose	Method	Source, Remark
Acute oral toxicity	LD50: > 5000 mg/kg Rat	OECD 401	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified
Acute dermal toxicity	LD50: 2001 mg/kg Rabbit	OECD 402	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified
Acute inhalation toxicity	Acute inhalation toxicity (dust/mist) LC50: > 5 mg/L Rat Exposure time 4 h		CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified

Assessment/classification

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

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.

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.

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

Experimental data

	Value	Method	Source, Remark
Viscosity	kinematic 29.6 mm ² /s (40°C)		

Assessment/classification

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method	Source, Remark
Acute (short-term) fish toxicity	LC50: > 100 mg/L Test duration 96 h		CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified
Chronic (long-term) fish toxicity	NOEC > 1000 mg/L Test duration 14 d		CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified

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	Effective dose	Method	Source, Remark
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to crustacea	NOEC 10 mg/L Daphnia pulex (water flea) Test duration 21 d	OECD 211	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified
Acute (short-term) toxicity to aquatic algae and cyanobacteria	NOEC 100 mg/L Pseudokirchneriella subcapitata (green alga) Test duration 72 h	OECD 201	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

Assessment/classification

The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data 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**Additional ecotoxicological information****Additional information**

Product is not allowed to be discharged into the ground water or aquatic environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
130205 *	mineral-based non-chlorinated engine, gear and lubricating oils

Appropriate disposal / Product

Dispose of waste according to applicable legislation.
Avoid penetration into sewage system

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.



SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / 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	No	No	No

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

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

National regulations

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).
not applicable

Water hazard class (WGK)

obviously hazardous to water (WGK 2)
according to the Ordinance on Facilities for Handling Substances that are Hazardous to Water (AwSV)

Restrictions of occupation

Observe national legislation regarding professional restrictions.

15.2 Chemical Safety Assessment

Substance safety analysis was not performed for this mixture.

SECTION 16: Other information

Indication of changes

Current safety data sheets are available at:

<http://gms.aftersales.daimler.com>

* Data changed compared with the previous version

Abbreviations and acronyms

See overview table at www.euphrac.eu

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.

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.



Mercedes-Benz

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

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

H304 May be fatal if swallowed and enters airways.