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 warrantee 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 Mercedes-Benz Genuine Engine Oil SAE 0W-40 MB 229.52

MB-Freigabe-Nr 229.52

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

Use of the substance/mixture
Motor oil

Uses advised against
This product should not be used for other purposes than those specified without the advice of an expert.

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

Remark
The 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]

Precautionary statements
P102 Keep out of reach of children.

Special rules for supplemental label elements for certain mixtures
EUH208 Contains C14-16-18 alkyl phenol. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

2.3 Other hazards

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

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]	SCL/ M/ ATE
848301-69-9	482-220-0	C18-C50 branched, cyclic and linear hydrocarbons - Distillates	40 < 50 %	Asp. Tox. 1; H304	ATE(oral): > 5000 mg/kg
68037-01-4	500-183-1	1-decene, homopolymer, hydrogenated	5 < 10 %	Asp. Tox. 1; H304	ATE(oral): > 5000 mg/kg ATE(dermal): 2001 mg/kg ATE(inhalation dust/mist): > 5 mg/L
72623-87-1	276-738-4	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	1 < 5 %	Asp. Tox. 1; H304	ATE(oral): > 5000 mg/kg ATE(dermal): > 5000 mg/kg ATE(Acute inhalation toxicity (aerosol)): > 5.5 mg/L
72623-86-0	276-737-9	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	1 < 5 %	Asp. Tox. 1; H304	ATE(oral): > 5000 mg/kg ATE(dermal): > 2001 mg/kg ATE(inhalation dust/mist): > 5.53 mg/L ATE(inhalation gas): > 5.53 mg/L

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic	1 < 5 %	Asp. Tox. 1; H304	ATE(oral): ≥ 5001 mg/kg ATE(dermal): ≥ 3001 mg/kg ATE(inhalation vapour): 5.53 mg/L
84605-29-8	283-392-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	0.1 < 1 %	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411	Eye Dam. 1;H318: >=12,5 % Eye Irrit. 2;H319: >=10%<12,5 % Skin Irrit. 2;H315: >=6,25 %
2215-35-2	218-679-9	Zinc O,O,O',O'tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)	0.1 < 1 %	Skin Irrit. 2 ; H315 Eye Dam. 1 ; H318 Aquatic Chronic 2 ; H411	ATE(oral): 2230 mg/kg
	931-468-2	C14-16-18 alkyl phenol	0.1 < 1 %	Skin Sens. 1B; H317	

REACH No.	Substance name
01-0000020163-82	C18-C50 branched, cyclic and linear hydrocarbons - Distillates
01-2119486452-34	1-decene, homopolymer, hydrogenated
01-2119474889-13	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based
01-2119474878-16	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based
01-2119484627-25	Distillates (petroleum), hydrotreated heavy paraffinic
01-2119493626-26	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts
01-2119953275-34	Zinc O,O,O',O'tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)
01-2119498288-19	C14-16-18 alkyl phenol

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.
In case of skin irritation, consult a physician.

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.
Remove contact lens

Following ingestion
Do NOT induce vomiting.
Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

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

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
Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
In case of fire formation of dangerous gases possible.
Nitrogen oxides (NOx)
Aldehydes
Carbon monoxide
Carbon dioxide (CO2)
Sulphur oxides

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.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Cool endangered containers with water spray and possibly remove them from fire site.
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
Avoid skin and eye contact.
Use personal protection equipment.
Special danger of slipping by leaking/spilling product.

For emergency responders
Personal protection equipment
Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.
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
This material is a static accumulator.
Avoid:
generation/formation of aerosols
Provide for appropriate ventilation/aspiration at the work station
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
Eye contact
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.
Keep away from food and drink.
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 and protected against effects of weather in a cool, appropriately aerated area.
Protect against:
Heat
UV-radiation/sunlight

7.3 Specific end use(s)

Recommendation
See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL worker

CAS No.	Substance name	DNEL value	DNEL type	Remark
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	5.4 mg/m³	long-term inhalative (local)	

DNEL Consumer

CAS No.	Substance name	DNEL value	DNEL type	Remark
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	1.2 mg/m³	long-term inhalative (local)	
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	12.1 mg/kg	long-term dermal (systemic)	
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	8.31 mg/kg	long-term inhalative (systemic)	

PNEC

CAS No.	Substance name	PNEC Value	PNEC type	Remark
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	9.33 mg/kg	Secondary Poisoning	, Nahrung
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	0.005 mg/L	aquatic, marine water	
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	0.004 mg/L	aquatic, freshwater	
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	0.055 mg/kg	soil	

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
brown
amber

Odour
characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	> 316 °C		
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit 7 Vol-%		
Lower and upper explosion limit	Lower explosion limit 0.9 Vol-%		
Flash point	> 200 °C	ASTM D92	
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		

	Value	Method	Source, Remark
pH	in delivery state		not applicable nicht in Wasser löslich
Viscosity	kinematic > 70 cSt (40°C)	ASTM D445	
Viscosity	kinematic > 13 cSt (100°C)	ASTM D445	
Solubility(ies)	Water solubility		practically insoluble
Partition coefficient n-octanol/water (log value)	> 3.5		
Vapour pressure	< 0.013 kPa (20°C)		
Density and/or relative density	Relative density 0.833- 0.846 (15°C)		
Relative vapour density	> 2		at 101 kPa
particle characteristics			not applicable

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 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 reactions known.

10.4 Conditions to avoid

Heat
High temperatures
Avoid temperatures above flash point.

10.5 Incompatible materials

Oxidising agent, strong

10.6 Hazardous decomposition products

No decomposition products will result from proper storage and handling.

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	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based LD50: > 5000 mg/kg Species Rat	OECD 401	
	CAS No.72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based > 5000 mg/kg Species Rat	OECD 401	
	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated LD50: > 5000 mg/kg Species Rat		
	CAS No.64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic LD50: ≥ 5001 mg/kg Species Rat	OECD 423	
	CAS No.848301-69-9 C18-C50 branched, cyclic and linear hydrocarbons - Distillates LD50: > 5000 mg/kg		
	CAS No. 2215-35-2 Zinc O,O,O',O'tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) LD50: 2230 mg/kg Species Rat		
Acute dermal toxicity	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based LD50: > 5000 mg/kg Species Rabbit	OECD 402	
	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated LD50: 2001 mg/kg Species Rat		
	CAS No.64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic LD50: ≥ 3001 mg/kg Species Rabbit	OECD 402	

	Effective dose	Method,Evaluation	Source, Remark
	CAS No.72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based LD50: > 2001 mg/kg Species Rabbit		
Acute inhalation toxicity	CAS No.72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Acute inhalation toxicity (gas) > 5.53 mg/L Species Rat Exposure time 4 h	OECD 403	
	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated Acute inhalation toxicity (dust/mist) LC50: > 5 mg/L Species Rat Exposure time 4 h		
	CAS No.64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic Acute inhalation toxicity (vapour) LC50: 5.53 mg/L Species Rat		
	CAS No.72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Acute inhalation toxicity (dust/mist) LC50: > 5.53 mg/L Species Rat Exposure time 4 h		
	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Acute inhalation toxicity (aerosol) LC50: > 5.5 mg/L Species Rat Exposure time 4 h	OECD 403	

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

Skin corrosion/irritation

Practical experience/human evidence
Frequent and prolonged contact with the skin may cause skin irritation.

Animal data

Result / Evaluation	Method	Source, Remark
CAS No.84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts Specific Concentration Limit (SCL) Skin Irrit. 2; H315: 6.25 % ≤ C ≤ 100 %		CAS No.84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

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.

Animal data

Result / Evaluation	Method	Source, Remark
CAS No.84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts Specific Concentration Limit (SCL) Eye Dam. 1; H318: 12.5 ≤ C ≤ 100%, Eye Irrit. 2; H319: 10 ≤ C ≤ 12.5%		CAS No.84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

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.

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

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
In case of swallowing, irritations of the gastric mucous membrane, nausea, vomiting and diarrhoea may occur.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No.72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based LL50 > 100 mg/L Test duration 96 h	OECD 203	

	Effective dose	Method,Evaluation	Source, Remark
	CAS No.64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic LL50 > 100 mg/L Species Pimephales promelas (fathead minnow) Test duration 96 h	OECD 203	
	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated LC50: > 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		
	CAS No.84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts LC50: 4.5 mg/L Test duration 96 h		
Chronic (long-term) fish toxicity	CAS No.64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic NOEC 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 14 d		
	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based NOEC > 1000 mg/L Test duration 14 d		
Acute (short-term) toxicity to crustacea	CAS No.72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based EL50 > 10000 mg/L Test duration 48 h	OECD 202	
	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated EC50 > 1000 mg/L Species Daphnia magna (Big water flea) Test duration 48 h	OECD 202	
	CAS No.64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic EC50 > 10000 mg/L Species Daphnia pulex (water flea) Test duration 48 h	OECD 202	

	Effective dose	Method,Evaluation	Source, Remark
	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based EL50 > 10000 mg/L Species Daphnia magna (Big water flea) Test duration 24 h	OECD 202	
	CAS No.84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts EC50 23 mg/L Test duration 48 h		
Chronic (long-term) toxicity to aquatic invertebrate	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated EC50 125 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated NOEC 125 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based NOEC 10 mg/L Species Daphnia magna (Big water flea) Test duration 21 d	OECD 211	
	CAS No.84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts NOEC 0.4 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
Acute (short-term) toxicity to algae and cyanobacteria	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated EC50 1000 mg/L Species Pseudokirchneriella subcapitata (green alga) Test duration 72 h		

	Effective dose	Method,Evaluation	Source, Remark
	CAS No.64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic EC50 > 100 mg/L Species Pseudokirchneriella subcapitata (green alga) Test duration 72 h		
	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated NOEC > 100 mg/L Species Pseudokirchneriella subcapitata (green alga) Test duration 72 h		
	CAS No.72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based NOEL ≥ 100 mg/L Species Pseudokirchneriella subcapitata (green alga) Test duration 72 h	OECD 201	
	CAS No.72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based NOEC > 100 mg/L Species Pseudokirchneriella subcapitata (green alga) Test duration 72 h	OECD 201	
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	CAS No.68037-01-4 1-decene, homopolymer, hydrogenated NOEC > 1000 mg/L Species Scenedesmus quadricauda (green algae) Test duration 3 h		
Toxicity to microorganisms	not determined		

Assessment/classification

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

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 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

Product is not allowed to be discharged into the ground water or aquatic environment.
The product floats on top of the water/sewage.

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.

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

not applicable
Das Produkt ist nicht zur Beförderung als Massengut vorgesehen.

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
not applicable

15.2 Chemical Safety Assessment

National regulations

Substance safety analysis was not performed for this mixture.

SECTION 16: Other information

Indication of changes
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).

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
The ecotoxicity was classified using the bridging method.

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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.