



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

1.1 Product identifier

Trade name/designation Convertible impregnating-spray

Partno A 001 986 31 71 10

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

Use

Impregnation for textiles

1.3 Details of the supplier of the safety data sheet

Supplier

Mercedes-Benz USA, LLC.
One Mercedes-Benz Dr.
Sandy Springs, GA 30328-4312
+1 770 705 0600

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]	Classification procedure
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Aerosol 1, H222 H229

Skin Irrit. 2, H315

STOT SE 3, H336

Aquatic Chronic 3, H412

hazard statements for physical hazards

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

hazard statements for health hazards

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.



hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

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

product identifiers

Trade name/designation Convertible impregnating-spray

Hazard components for labelling

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics, hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Hazard pictograms



GHS02



GHS07

Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

2.3 Other hazards

Adverse environmental effects

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

Propellant containing mixture of active substances

Hazardous ingredients

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]
	927-241-2	hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	25 - 50 %	Flam. Liq. 3 H226 STOT SE 3 H336 Asp. Tox. 1 H304 Aquatic Chronic 3 H412

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CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]
106-97-8	203-448-7	butane	10 - 25 %	Flam. Gas 1 H220 Press. Gas
64742-49-0	927-510-4	hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	10 - 15 %	Flam. Liq. 2 H225 Skin Irrit. 2 H315 STOT SE 3 H336 Asp. Tox. 1 H304 Aquatic Chronic 2 H411
1070-10-6	213-969-1	2-ethylhexyl titanate	5 - 7.5 %	Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335
	918-167-1	hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	2.5 - 5 %	Flam. Liq. 3 H226 Asp. Tox. 1 H304 Aquatic Chronic 4 H413
64742-49-0	931-254-9	hydrocarbons, C6, isoalkanes, <5% n-hexane	2.5 - 5 %	Flam. Liq. 2 H225 Skin Irrit. 2 H315 STOT SE 3 H336 Asp. Tox. 1 H304 Aquatic Chronic 2 H411
74-98-6	200-827-9	propane	2.5 - 5 %	Flam. Gas 1 H220 Press. Gas
75-28-5	200-857-2	isobutane	1 - 2.5 %	Flam. Gas 1 H220 Press. Gas
110-54-3	203-777-6	n-hexane	< 0.5 %	Flam. Liq. 2 H225 Repr. 2 H361f Asp. Tox. 1 H304 STOT RE 2 H373 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Chronic 2 H411
110-82-7	203-806-2	cyclohexane	< 0.2 %	Flam. Liq. 2 H225 Asp. Tox. 1 H304 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

REACH No.	Substance name
01-2119471843-32	hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
01-2119474691-32	butane
01-2119475515-33	hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
01-2119968572-27	2-ethylhexyl titanate
01-2119472146-39	hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
01-2119484651-34	hydrocarbons, C6, isoalkanes, <5% n-hexane
01-2119486944-21	propane
01-2119485395-27	isobutane
01-2119480412-44	n-hexane
01-2119463273-41	cyclohexane



SECTION 4: First aid measures

4.1 Description of first aid measures

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

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Do NOT induce vomiting.

Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available

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

Dry extinguishing powder

Sand

Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water

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.

May lead to formation of explosive/easily ignitable vapour air mixtures.

5.3 Advice for firefighters

Special protective equipment for firefighters:

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

Additional information

Heating causes rise in pressure with risk of bursting.

Cool endangered containers with water spray and possibly remove them from fire site.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide adequate ventilation.

Use personal protection equipment.

Keep away unprotected persons

For emergency responders

Personal protection equipment

Keep away unprotected persons



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.

6.3 Methods and material for containment and cleaning up

For containment

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

6.4 Reference to other sections

Personal protection equipment: see section 8

Safe handling: see section 7

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Provide for appropriate ventilation/aspiration at the work station

Keep away from sources of ignition. - No smoking.

Take precautionary measures against static discharges.

Do not spray on naked flames or any incandescent material.

Avoid effect of heat.

Avoid:

Eye contact

Skin contact

Do not inhale gases/vapours/aerosols.

Advices on general occupational hygiene

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

Requirements for storage rooms and vessels

Adhere to the administrative regulations ruling the storage of pressurised gas containers.

Keep container tightly closed.

Storage class

2B aerosols

Further information on storage conditions

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

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

Occupational exposure limit values

CAS No.	EC No.	Substance name	occupational exposure limit value
110-54-3	203-777-6	n-Hexane	20 [ml/m3(ppm)]
			72 [mg/m3]
			2006/15/EC

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CAS No.	EC No.	Substance name	occupational exposure limit value
110-82-7	203-806-2	Cyclohexane	200 [ml/m3(ppm)] 700 [mg/m3] 2006/15/EC
110-82-7		Cyclohexane	200 [ml/m3(ppm)] 700 [mg/m3] (IE)
110-54-3		n-Hexane	20 [ml/m3(ppm)] 72 [mg/m3] (IE)
106-97-8		Hydrocarbons, aliphatic (gaseous) C1-C4	1000 [ml/m3(ppm)] (IE)
74-98-6		Hydrocarbons, aliphatic (gaseous) C1-C4	1000 [ml/m3(ppm)] (IE)
75-28-5		Hydrocarbons, aliphatic (gaseous) C1-C4	1000 [ml/m3(ppm)] (IE)
106-97-8		n-Butane	600 [ml/m3(ppm)] 1450 [mg/m3] Short-term(ml/m3) 750 Short-term(mg/m3) 1810 (UK)
110-82-7		Cyclohexane	100 [ml/m3(ppm)] 350 [mg/m3] Short-term(ml/m3) 300 Short-term(mg/m3) 1050 (UK)
110-54-3		n-Hexane	20 [ml/m3(ppm)] 72 [mg/m3] (UK)

biological limit values

CAS No.	Substance name	Limit value	parameter/Test material/Sample time	Source, Remark
110-54-3	n-hexane	5 mg/L	2,5-Hexandion plus 4,5-Dihydroxy-2-hexanon (nach Hydrolyse)/ Urine (U)/ End of exposure or end of shift	BLV (DE) TRGS 903
110-82-7	cyclohexane	150 mg/g Kreatinin	1,2-Cyclohexandiol (nach Hydrolyse)/ Urine (U)/ bei Langzeitexposition: nach mehreren vorangegangenen Schichten, Expositionsende bzw. Schichtende	BLV (DE) TRGS 903

DNEL worker

CAS No.	Substance name	DNEL value	DNEL type	Remark
110-82-7	cyclohexane	700 mg/m ³	acute inhalative (local)	
110-82-7	cyclohexane	700 mg/m ³	acute inhalative (systemic)	
110-82-7	cyclohexane	700 mg/m ³	long-term inhalative (local)	
110-82-7	cyclohexane	700 mg/m ³	long-term inhalative (systemic)	
110-82-7	cyclohexane	2016 mg/kg bw/day	long-term dermal (systemic)	
1174921-73-3	hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	77 mg/kg bw/day	long-term dermal (systemic)	

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CAS No.	Substance name	DNEL value	DNEL type	Remark
1174921-73-3	hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	871 mg/m ³	long-term inhalative (systemic)	

DNEL Consumer

CAS No.	Substance name	DNEL value	DNEL type	Remark
110-82-7	cyclohexane	206 mg/m ³	long-term inhalative (local)	
110-82-7	cyclohexane	412 mg/m ³	acute inhalative (systemic)	
110-82-7	cyclohexane	412 mg/m ³	acute inhalative (local)	
110-82-7	cyclohexane	1186 mg/kg bw/day	long-term dermal (systemic)	
110-82-7	cyclohexane	59.4 mg/kg bw/day	long-term oral (repeated)	
110-82-7	cyclohexane	206 mg/m ³	long-term inhalative (systemic)	
1174921-73-3	hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	46 mg/kg bw/day	long-term oral (repeated)	
1174921-73-3	hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	46 mg/kg bw/day	long-term dermal (systemic)	
1174921-73-3	hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	185 mg/m ³	long-term inhalative (systemic)	

PNEC

CAS No.	Substance name	PNEC Value	PNEC type	Remark
110-82-7	cyclohexane	0.207 mg/L	aquatic, freshwater	
110-82-7	cyclohexane	0.207 mg/L	sediment, marine water	
110-82-7	cyclohexane	0.207 mg/L	aquatic, intermittent release	
110-82-7	cyclohexane	3.627 mg/kg	sediment, freshwater	
110-82-7	cyclohexane	3.627 mg/L	sediment, marine water	
110-82-7	cyclohexane	2.99 mg/kg	soil, freshwater	
110-82-7	cyclohexane	3.24 mg/L	sewage treatment plant (STP)	

8.2 Exposure controls**Appropriate engineering controls****Technical measures to prevent exposure**

Sufficient ventilation and exhaustion.

Personal protection equipment**Eye/face protection**safety goggles
DIN EN 166**Hand protection**

Glove materials data [type, thickness, breakthrough time/duration of use, permeation rate]: Nitrile rubber (protection index 6, >480 min, thickness 0.9-1.0 mm)
The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

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.

Body protection:

Protective clothing



Respiratory protection

Respiratory protection necessary at:

insufficient ventilation

high concentrations

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

Aerosol

Colour

light yellow

Odour

characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
pH	not determined		
Melting point/freezing point			
Initial boiling point and boiling range			not applicable
Flash point	-30 °C		
Evaporation rate			not applicable
flammability	solid		not applicable
flammability	gaseous		not applicable
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		
Density	0.75 (20°C)		
Solubility(ies)	Water solubility (g/L)		No or low immiscibility
Partition coefficient: n-octanol/water	not determined		
Auto-ignition temperature			The product is not self-igniting.
Decomposition temperature	not determined		
Viscosity	not determined		
Explosive properties:			Does not apply; nevertheless can be produced explosive vapour/air mixtures
Oxidising properties	not determined		

9.2 Other information

Other safety 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

No hazardous reactions known.

10.4 Conditions to avoid

Keep away from heat, flames, sparks and other sources of ignition.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No decomposition products will result from proper storage and handling.

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		CAS No. 110-82-7 cyclohexane
Acute oral toxicity	4951 mg/kg Rat	OECD 401	CAS No. hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Acute oral toxicity	LD50: 25000 mg/kg Rat		CAS No. 110-54-3 n-hexane
Acute oral toxicity	LD50: > 5000 mg/kg Rat	OECD 401	CAS No. hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Acute dermal toxicity	> 2000 mg/kg Rabbit		CAS No. 110-82-7 cyclohexane
Acute dermal toxicity	> 5000 mg/kg Rabbit	OECD 402	CAS No. hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Acute dermal toxicity	LD50: > 2000 mg/kg Rabbit		CAS No. 110-54-3 n-hexane
Acute dermal toxicity	LD50: > 2000 mg/kg Rat	OECD 402	CAS No. hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Acute inhalation toxicity	Acute inhalation toxicity (vapour) LC50: 13.9 mg/L Rat Exposure time 4 h		CAS No. 110-82-7 cyclohexane

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	Effective dose	Method	Source, Remark
Acute inhalation toxicity	Acute inhalation toxicity (aerosol) 4951 mg/L Rat Exposure time 4 h	OECD 403	CAS No. hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Acute inhalation toxicity	Acute inhalation toxicity (gas) LC50: 658000 mg/m ³ Rat Exposure time 4 h		CAS No. 106-97-8 butane
Acute inhalation toxicity	LC50: 658 mg/L Rat Exposure time 4 h		CAS No. 74-98-6 propane
Acute inhalation toxicity	Acute inhalation toxicity (vapour) LC50: 25 mg/L Rat Exposure time 4 h	OECD 403	CAS No. hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Assessment/classification

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

Skin corrosion/irritation**Assessment/classification**

Causes skin irritation.

Eye damage/irritation**Animal data**

Result / evaluation	Method	Source, Remark
mildly irritating Rabbit	OECD 405	CAS No. 110-82-7 cyclohexane

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

	Value	Method	Result / evaluation	Remark
In vitro mutagenicity/genotoxicity	CAS No. 110-54-3 n-hexane rat		negative.	
In vitro mutagenicity/genotoxicity	CAS No. 110-82-7 cyclohexane	Bacterial Reversion Mutation Test (AMES)	negative.	

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.

**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**

May cause drowsiness or dizziness.

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.

The product is a foam aerosol.

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

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity**

	Effective dose	Method	Source, Remark
Acute (short-term) fish toxicity	LC50: 55 mg/L <i>Leuciscus idus</i> (golden orfe) Test duration 48 h	OECD 203	CAS No. 110-82-7 cyclohexane
Acute (short-term) fish toxicity	LC50: >10- 30 mg/L <i>Oncorhynchus mykiss</i> (Rainbow trout) Test duration 96 h	OECD 203	CAS No. hydrocarbons, C9- C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Acute (short-term) fish toxicity	LC50: >1- 10 mg/L	OECD 203	CAS No. 110-54-3 n-hexane
Acute (short-term) fish toxicity	LC50: 4.53 mg/L <i>Pimephales promelas</i> (fathead minnow) Test duration 96 h	OECD 203	CAS No. 110-82-7 cyclohexane
Acute (short-term) fish toxicity	NOEC 0.209 mg/L <i>Oncorhynchus mykiss</i> (Rainbow trout) Test duration 28 d		CAS No. hydrocarbons, C11- C12, isoalkanes, < 2% aromatics
Acute (short-term) fish toxicity	NOEC 0.182 mg/L <i>Oncorhynchus mykiss</i> (Rainbow trout) Test duration 28 d	bibliography	CAS No. hydrocarbons, C9- C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 0.9 mg/L <i>Daphnia magna</i> (Big water flea) Test duration 48 h	OECD 202	CAS No. 110-82-7 cyclohexane

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	Effective dose	Method	Source, Remark
Acute (short-term) toxicity to crustacea	EL50 >22- 46 mg/L Daphnia magna (Big water flea) Test duration 48 h	OECD 202	CAS No. hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Acute (short-term) toxicity to crustacea	EC50 2.1 mg/L Daphnia magna (Big water flea) Test duration 48 h	OECD 202	CAS No. 110-54-3 n-hexane
Acute (short-term) toxicity to crustacea	NOEC > 1 mg/L Daphnia magna (Big water flea) Test duration 21 d		CAS No. hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Acute (short-term) toxicity to crustacea	NOEC 0.317 mg/L Daphnia magna (Big water flea) Test duration 21 d	bibliography	CAS No. hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Chronic (long-term) toxicity to crustacea	not determined		
Acute (short-term) toxicity to aquatic algae and cyanobacteria	NOEC 0.94 mg/L Test duration 72 h	OECD 201	CAS No. 110-82-7 cyclohexane
Acute (short-term) toxicity to aquatic algae and cyanobacteria	EC50 > 1000 mg/L Pseudokirchneriella subcapitata Test duration 72 h	OECD 201	CAS No. hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Acute (short-term) toxicity to aquatic algae and cyanobacteria	EC50 >1- 10 mg/L	OECD 201	CAS No. 110-54-3 n-hexane
Acute (short-term) toxicity to aquatic algae and cyanobacteria	NOELR < 1 mg/L Pseudokirchneriella subcapitata (green alga) Test duration 72 h		CAS No. hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Acute (short-term) toxicity to aquatic algae and cyanobacteria	EC50 10 mg/L Phaeophyta Test duration 48 h		CAS No. 64742-49-0 hydrocarbons, C6, isoalkanes, <5% n-hexane
Acute (short-term) toxicity to aquatic algae and cyanobacteria	EC50 9.317 mg/L Selenastrum capricornutum Test duration 72 h	OECD 201	CAS No. 110-82-7 cyclohexane
Acute (short-term) toxicity to aquatic algae and cyanobacteria	ErC50 > 1000 mg/L Pseudokirchneriella subcapitata (green alga) Test duration 72 h		CAS No. hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	EC50 >1- 10 mg/L	OECD 209	CAS No. 110-54-3 n-hexane
Toxicity to microorganisms	IC50 29 mg/L Test duration 15 h		CAS No. 110-82-7 cyclohexane

Assessment/classification

Harmful to aquatic life.

Harmful to fish.

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12.2 Persistence and degradability

	Value	Method	Source, Remark
Biodegradation	Degradation rate (%): 89	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	CAS No. hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics 28 d biodegradable
Biodegradation	Degradation rate (%): 77	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	CAS No. 110-82-7 cyclohexane aerobic

12.3 Bioaccumulative potential

	Value	Method	Source, Remark
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) 144.3		CAS No. hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) 144.3	calculated	calculated CAS No. hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

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**

Do not allow uncontrolled discharge of product into the environment.

Product is not allowed to be discharged into aquatic environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Appropriate disposal / Product**

Do not dispose together with domestic waste

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	1950	1950	1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3 Transport hazard class(es)	2	2.1	2.1
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

Land transport (ADR/RID)

UN number	1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2
Hazard label(s)	2.1
Classification code:	5F
Packing group	-
Environmental hazards	No
Limited quantity (LQ)	1 L
Special Provisions	190 327 344 625
tunnel restriction code	D

Remark

Transport as "limited quantity" according to chapter 3.4 ADR/RID

Sea transport (IMDG)

UN number	1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.1
Packing group	-
Environmental hazards	No
Limited quantity (LQ)	1 L
Marine pollutant	-
EMS	F-D, S-U

Air transport (ICAO-TI / IATA-DGR)

UN number	1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Packing group	-
Environmental hazards	No

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Störfallverordnung

P3a Flammable aerosols

Water hazard class (WGK)

slightly hazardous to water (WGK 1)

according to the Ordinance on Facilities for Handling Substances that are Hazardous to Water (AwSV)

Restrictions of occupation

Observe national legislation regarding professional restrictions.

Observe employment restrictions for young people.



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.

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

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.