



A 002 986 14 71 09 WinterFit Windscreen washer concentrate

Print date 17.02.2020
Revision date 31.01.2020
Version 17

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

1.1 Product identifier

Trade name/designation WinterFit Windscreen washer concentrate
Partno A 002 986 14 71 09

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

Use
cleaner

1.3 Details of the supplier of the safety data sheet

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

Manufacturer
Mercedes-Benz AG

70546 Stuttgart
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

Flam. Liq. 2, H225
Eye Irrit. 2, H319

hazard statements for physical hazards
H225 Highly flammable liquid and vapour.

hazard statements for health hazards
H319 Causes serious eye irritation.

2.2 Label elements

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

product identifiers

Trade name/designation WinterFit Windscreen washer concentrate

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Hazard pictograms

GHS02



GHS07

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.

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

P280 Wear eye protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

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

Other labelling

< 5% anionic surfactants

Preservation agent (2-BROMO-2-NITROPROPANE-1,3-DIOL)

2.3 Other hazards**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**Hazardous ingredients**

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]
64-17-5	200-578-6	ethanol	50 - 100 %	Flam. Liq. 2 H225 Eye Irrit. 2 H319
67-63-0	200-661-7	propan-2-ol	5 - 10 %	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
78-93-3	201-159-0	butanone	1 - 2.5 %	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336

REACH No.	Substance name
01-2119457610-43	ethanol
01-2119457558-25	propan-2-ol
01-2119457290-43	butanone



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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

First aider: Pay attention to self-protection!

Following inhalation

Provide fresh air.

In the event of symptoms refer for medical treatment.

Following skin contact

In case of contact with skin wash off with warm water.

In case of skin irritation, consult a physician.

After eye contact

Remove contact lens

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.

Medical treatment necessary.

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

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

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

Remove all sources of ignition.

Avoid skin and eye contact

Provide adequate ventilation.

Remove persons to safety.



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For emergency responders

Avoid skin and eye contact
Remove persons to safety.

6.2 Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.
Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not allow to enter into soil/subsoil.
Dilute with a lot of water
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

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

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
Keep away from sources of ignition. - No smoking.
Vapours can form explosive mixtures with air.
Take precautionary measures against static discharges.
Adhere to general precaution rules when handling chemicals
Avoid:
Eye contact
Skin contact
Inhalation of vapours or spray/mists

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

Keep/Store only in original container.
Keep container tightly closed.

Storage class

LGK3 Flammable liquids

Materials to avoid

Do not store together with:
Food and feedingstuffs

Further information on storage conditions

Protect against:
Heat
UV-radiation/sunlight
Keep in a cool, well-ventilated place.

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****Occupational exposure limit values**

CAS No.	EC No.	Substance name	occupational exposure limit value
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78-93-3	201-159-0	Butanone	200 [ml/m3(ppm)] 600 [mg/m3] Short-term(ml/m3) 300 Short-term(mg/m3) 900 2000/39/EC
78-93-3		Butan-2-one	200 [ml/m3(ppm)] 600 [mg/m3] Short-term(ml/m3) 300 (1) Short-term(mg/m3) 900 (1) (IE)
64-17-5		Ethanol	Short-term(ml/m3) 1000 (1) (IE)
67-63-0		Propan-2-ol	200 [ml/m3(ppm)] Short-term(ml/m3) 400 (1) (IE)
78-93-3		Butan-2-one	200 [ml/m3(ppm)] 600 [mg/m3] Short-term(ml/m3) 300 Short-term(mg/m3) 899 (UK)
64-17-5		Ethanol	1000 [ml/m3(ppm)] 1920 [mg/m3] (UK)
67-63-0		Propan-2-ol	400 [ml/m3(ppm)] 999 [mg/m3] Short-term(ml/m3) 500 Short-term(mg/m3) 1250 (UK)

biological limit values

CAS No.	Substance name	Limit value	parameter/Test material/Sample time	Source, Remark
67-63-0	propan-2-ol	25 mg/L	acetone/ Whole blood (B)/ End of exposure or end of shift	BLV (DE) TRGS 903
67-63-0	propan-2-ol	25 mg/L	acetone/ Urine (U)/ End of exposure or end of shift	BLV (DE) TRGS 903
78-93-3	butanone	2 mg/L	2-Butanon/ Urine (U)/ End of exposure or end of shift	BLV (DE) TRGS 903

DNEL worker

CAS No.	Substance name	DNEL value	DNEL type	Remark
67-63-0	propan-2-ol	888 mg/kg bw/day	long-term dermal (systemic)	
67-63-0	propan-2-ol	500 mg/m ³	long-term inhalative (systemic)	
64-17-5	ethanol	343 mg/kg bw/day	long-term dermal (systemic)	

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CAS No.	Substance name	DNEL value	DNEL type	Remark
64-17-5	ethanol	1900 mg/m ³	acute inhalative (local)	
64-17-5	ethanol	950 mg/m ³	long-term inhalative (systemic)	
78-93-3	butanone	412 mg/kg bw/day	long-term dermal (systemic)	
78-93-3	butanone	600 mg/m ³	long-term inhalative (systemic)	

DNEL Consumer

CAS No.	Substance name	DNEL value	DNEL type	Remark
67-63-0	propan-2-ol	26 mg/kg bw/day	long-term oral (repeated)	
67-63-0	propan-2-ol	89 mg/m ³	long-term inhalative (systemic)	
67-63-0	propan-2-ol	319 mg/kg bw/day	long-term dermal (systemic)	
64-17-5	ethanol	87 mg/kg	long-term oral (repeated)	
64-17-5	ethanol	206 mg/kg bw/day	long-term dermal (systemic)	
64-17-5	ethanol	950 mg/m ³	acute inhalative (local)	
64-17-5	ethanol	114 mg/m ³	long-term inhalative (systemic)	
78-93-3	butanone	106 mg/m ³	long-term inhalative (systemic)	
78-93-3	butanone	31 mg/kg bw/day	long-term oral (repeated)	

PNEC

CAS No.	Substance name	PNEC Value	PNEC type	Remark
64-17-5	ethanol	0.96 mg/L	aquatic, freshwater	
64-17-5	ethanol	0.79 mg/L	aquatic, marine water	
64-17-5	ethanol	2.75 mg/L	aquatic, intermittent release	
64-17-5	ethanol	3.6 mg/kg	sediment, freshwater	
64-17-5	ethanol	0.63 mg/kg	soil, freshwater	
64-17-5	ethanol	580 mg/L	sewage treatment plant (STP)	
64-17-5	ethanol	720 mg/kg	Secondary Poisoning	
64-17-5	ethanol	2.9 mg/kg	sediment, marine water	
67-63-0	propan-2-ol	552 mg/kg	sediment, marine water	
67-63-0	propan-2-ol	140.9 mg/L	aquatic, freshwater	
67-63-0	propan-2-ol	552 mg/kg	sediment, freshwater	
67-63-0	propan-2-ol	28 mg/kg	soil, freshwater	
67-63-0	propan-2-ol	160 mg/kg	Secondary Poisoning	
67-63-0	propan-2-ol	140.9 mg/L	aquatic, marine water	
67-63-0	propan-2-ol	140.9 mg/L	aquatic, intermittent release	
67-63-0	propan-2-ol	2251 mg/L	sewage treatment plant (STP)	

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CAS No.	Substance name	PNEC Value	PNEC type	Remark
78-93-3	butanone	55.8 mg/L	aquatic, freshwater	
78-93-3	butanone	55.8 mg/L	aquatic, marine water	
78-93-3	butanone	55.8 mg/L	aquatic, intermittent release	
78-93-3	butanone	709 mg/L	sewage treatment plant (STP)	
78-93-3	butanone	284.74 mg/kg	sediment, freshwater	
78-93-3	butanone	284.7 mg/kg	sediment, marine water	
78-93-3	butanone	22.5 mg/kg	soil, freshwater	
78-93-3	butanone	1000 mg/kg	Secondary Poisoning	

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

Local exhaust or technical room ventilation.

Personal protection equipment**Eye/face protection**

Safety spectacles (EN 166)

Hand protection

PVC or PE gloves

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)

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

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Physical state**

liquid

Colour

blue

Odour

like:

Alcohol

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
pH	in delivery state 7.7 (20°C)		
Melting point/freezing point	not determined		

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	Value	Method	Source, Remark
Initial boiling point and boiling range	> 75 °C		
Flash point	22 °C		
Evaporation rate	not determined		
flammability	solid		not applicable
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		
Density	0.89 (20 °C)		
Solubility(ies)	Water solubility (g/L)		completely miscible
Partition coefficient: n-octanol/water	0.29	Measured	CAS No.78-93-3 butanone
Auto-ignition temperature			The product is not self-igniting.
Decomposition temperature	not determined		
Viscosity	dynamic		not determined
Viscosity	kinematic		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 known.

10.2 Chemical stability

Stable under specified storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

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 hazardous decomposition products known.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Animal data**

	Effective dose	Method	Source, Remark
Acute oral toxicity	LD50: 10470 mg/kg Rat	OECD 401	CAS No.64-17-5 ethanol
Acute oral toxicity	LD50: 2193- 4290 mg/kg Rat	OECD 423	CAS No.78-93-3 butanone ECHA
Acute oral toxicity	LD50: < 5000 mg/kg Rat	OECD 401	CAS No.67-63-0 propan-2-ol
Acute dermal toxicity	LD50: > 2000 mg/kg Rabbit	OECD 402	CAS No.64-17-5 ethanol
Acute dermal toxicity	LD50: 6400- 8000 mg/kg Rabbit		CAS No.78-93-3 butanone
Acute dermal toxicity	LD50: > 5000 mg/kg Rabbit	OECD 402	CAS No.67-63-0 propan-2-ol
Acute inhalation toxicity	Acute inhalation toxicity (vapour) LC50: > 20 mg/L Rat Exposure time 4 h		CAS No.67-63-0 propan-2-ol
Acute inhalation toxicity	Acute inhalation toxicity (vapour) LC50: 124.7 mg/L Rat Exposure time 4 h	OECD 403	CAS No.64-17-5 ethanol
Acute inhalation toxicity	LC50: > 5000 ppm Rat Exposure time 6 h		CAS No.78-93-3 butanone

Assessment/classification

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

Skin corrosion/irritation**Animal data**

Result / evaluation	Method	Source, Remark
Not an irritant. non-irritant Rabbit	OECD 404	CAS No.64-17-5 ethanol
mediocre irritant Rabbit	OECD 404	CAS No.78-93-3 butanone ECHA

Assessment/classification

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

Eye damage/irritation**Animal data**

Result / evaluation	Method	Source, Remark
Specific Concentration Limit (SCL) Eye Irrit. 2; H319: C ≥ 50 % irritant Rabbit	OECD 405	CAS No.64-17-5 ethanol
irritant Rabbit	OECD 405	CAS No.78-93-3 butanone

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Assessment/classification

Causes serious eye irritation.

Sensitisation to the respiratory tract**Assessment/classification**

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

Skin sensitisation**Animal data**

Result / evaluation	Dose / Concentration	Method	Source, Remark
not sensitising.	CAS No.64-17-5 ethanol Guinea pig	OECD 406	Local Lymph Node Assay (LLNA)
not sensitising.	CAS No.64-17-5 ethanol Mouse	OECD 429	Local Lymph Node Assay (LLNA)
not sensitising.	CAS No.78-93-3 butanone Guinea pig		Maximisation test (GPMT)

Assessment/classification

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

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.64-17-5 ethanol	OECD 471 (Ames test)	negative.	
In vitro mutagenicity/genotoxicity	CAS No.64-17-5 ethanol Chromosomal aberrations mammalian cells	OECD 473	negative.	
In vitro mutagenicity/genotoxicity	CAS No.64-17-5 ethanol Gene-mutations mammalian cells	OECD 476	negative.	
In vitro mutagenicity/genotoxicity	CAS No.64-17-5 ethanol Chromosomal aberrations mammalian cells	OECD TG 475	negative.	
In vitro mutagenicity/genotoxicity	CAS No.78-93-3 butanone	OECD 471 (Ames test)	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.

Reproductive toxicity**Animal data**

	Value	Method	Result / evaluation	Remark
Adverse effects on sexual function and fertility	CAS No.64-17-5 ethanol NOAEL P 13800 mg/kg mouse	OECD 416		

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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**Animal data**

	Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Inhalative specific target organ toxicity (repeated exposure)	CAS No.78-93-3 butanone NOAEL(C): 2500 ppm Rat Exposure time 6 h/d Exposure frequency 5 d/w Exposure duration 90 d				
Inhalative specific target organ toxicity (repeated exposure)	CAS No.67-63-0 propan-2-ol NOAEL(C): 12.5 mg/l Rat Exposure duration 104 Wochen				
Inhalative specific target organ toxicity (repeated exposure)	CAS No.67-63-0 propan-2-ol NOAEL(C): > 20 mg/l Rat Exposure duration 13 Wochen	OPPTS 870.3465			Basierend auf Testdaten von ähnlichen Materialien

Assessment/classification

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

Aspiration hazard**Experimental data**

	Value	Method	Source, Remark
Viscosity	dynamic		not determined
Viscosity	kinematic		not determined

Assessment/classification

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

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Additional information

More frequent and more prolonged skin contact can dry out the skin, which may lead to skin complaints and inflammations (dermatitis).

Inhalation: can cause headaches and dizziness

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

	Effective dose	Method	Source, Remark
Acute (short-term) fish toxicity	LC50: 14200 mg/L Pimephales promelas (fathead minnow) Test duration 96 h	OECD 203	CAS No.64-17-5 ethanol
Acute (short-term) fish toxicity	LC50: 2993 mg/L Pimephales promelas (fathead minnow) Test duration 96 h	OECD 203	CAS No.78-93-3 butanone
Acute (short-term) fish toxicity	LC50: 9640 mg/L Pimephales promelas (fathead minnow) Test duration 96 h	OECD 203	CAS No.67-63-0 propan-2-ol
Acute (short-term) fish toxicity	NOEC 250 mg/L Danio rerio Test duration 120 h	OECD 212	CAS No.64-17-5 ethanol
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	NOEC 68 mg/L Daphnia magna (Big water flea) Test duration 48 h	OECD 202	CAS No.78-93-3 butanone
Acute (short-term) toxicity to crustacea	EC50 5012 mg/L Ceriodaphnia dubia Test duration 48 h		CAS No.64-17-5 ethanol
Acute (short-term) toxicity to crustacea	EC50 > 13299 mg/L Daphnia magna (Big water flea) Test duration 48 h	OECD 202	CAS No.67-63-0 propan-2-ol
Chronic (long-term) toxicity to crustacea	NOEC 9.6 mg/L Daphnia magna (Big water flea) Test duration 9 d		CAS No.64-17-5 ethanol
Chronic (long-term) toxicity to crustacea	NOEC 30 mg/L Daphnia magna (Big water flea) Test duration 21 d		CAS No.67-63-0 propan-2-ol
Acute (short-term) toxicity to aquatic algae and cyanobacteria	EC50 > 1000 mg/L Desmodesmus subspicatus Test duration 96 h	static test	CAS No.67-63-0 propan-2-ol
Acute (short-term) toxicity to aquatic algae and cyanobacteria	NOAEC 1240 mg/L Pseudokirchneriella subcapitata (green alga) Test duration 96 h		CAS No.78-93-3 butanone
Acute (short-term) toxicity to aquatic algae and cyanobacteria	EC50 275 mg/L Chlorella vulgaris Test duration 72 h	OECD 201	CAS No.64-17-5 ethanol
Acute (short-term) toxicity to aquatic algae and cyanobacteria	EC10 11.5 mg/L Chlorella vulgaris Test duration 72 h	OECD 201	CAS No.64-17-5 ethanol

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	Effective dose	Method	Source, Remark
Acute (short-term) toxicity to aquatic algae and cyanobacteria	EC50 2029 mg/L Pseudokirchneriella subcapitata (green alga) Test duration 96 h	OECD 201	CAS No.78-93-3 butanone
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	IC50 > 1000 mg/L activated sludge Test duration 3 h	OECD 209	CAS No.64-17-5 ethanol
Toxicity to microorganisms	EC50 > 1000 mg/L	OECD 209	CAS No.78-93-3 butanone

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

	Value	Method	Source, Remark
Partition coefficient: n-octanol/water	0.29	Measured	CAS No.78-93-3 butanone

12.4 Mobility in soil

	Value	Distribution	Transport type	Method	Remark
Log KOC	CAS No.78-93-3 butanone 3.8			estimated	Sehr hohes Potential für Mobilität im Boden (pOC: 0 - 50).

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
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.



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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	1987	1987	1987
14.2 UN proper shipping name	ALCOHOLS, N.O.S. (Ethanol, Isopropanol)	ALCOHOLS, N.O.S. (Ethanol, Isopropanol)	Alcohols, n.o.s. (Ethanol, Isopropanol)
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	II	II	II
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 1987
UN proper shipping name ALCOHOLS, N.O.S. (Ethanol, Isopropanol)
Transport hazard class(es) 3
Hazard label(s) 3
Classification code: F1
Packing group II
Environmental hazards No
Limited quantity (LQ) 1 L
Special Provisions 274 601 640C
tunnel restriction code D/E

Remark

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

Sea transport (IMDG)

UN number 1987
UN proper shipping name ALCOHOLS, N.O.S. (Ethanol, Isopropanol)
Transport hazard class(es) 3
Packing group II
Environmental hazards No
Limited quantity (LQ) 1 L
Marine pollutant -
EMS F-E, S-D

Air transport (ICAO-TI / IATA-DGR)

UN number 1987
UN proper shipping name Alcohols, n.o.s. (Ethanol, Isopropanol)
Transport hazard class(es) 3
Packing group II
Environmental hazards No



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SECTION 15: Regulatory information

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

EU legislation

Authorisations

None of the components is listed.

Restrictions on use

None of the components is listed.

National regulations

Störfallverordnung

P5c Flammable liquids

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)

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.