



A 000 986 40 71 Window cleaner, intensive only for the exterior, not for plastic windows

Print date 24.10.2020

Revision date 19.10.2020

Version 22

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

1.1 Product identifier

Trade name/designation Window cleaner, intensive only for the exterior, not for plastic windows

Partno A 000 986 40 71

GEDIS-No 0014

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 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

Flam. Liq. 3, H226

hazard statements for physical hazards

H226 Flammable liquid and vapour.

2.2 Label elements

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

product identifiers

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Hazard pictograms



GHS02

Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

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.

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

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

Description

Purifying agent

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	25 < 50 %	Flam. Liq. 2 H225 Eye Irrit. 2 H319
1336-21-6	215-647-6	ammonia ... %	< 1 %	Skin Corr. 1B H314 Aquatic Acute 1 H400 STOT SE 3 H335

REACH No.	Substance name
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01-2119457610-43	ethanol
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01-2119488876-14	ammonia ... %
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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.



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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.

Call a physician immediately.

Do not administer any drinks.

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

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam

Dry extinguishing powder

Carbon dioxide (CO₂)

Water mist

Unsuitable extinguishing media

Water

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Special protective equipment for firefighters:

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

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

Remove all sources of ignition.

For emergency responders

Personal protection equipment

Keep away unprotected persons

Remove all sources of ignition.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

Dilute with a lot of water

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.

For cleaning up

Dilute with plenty of water.



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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

Provide for appropriate ventilation/aspiration at the work station
Keep away from sources of ignition. - No smoking.
Avoid effect of heat.

Advices on general occupational hygiene

Keep away from food and drink.
Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Storage class

3 Flammable liquids

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	EC No.	Substance name	occupational exposure limit value
64-17-5		Ethanol	Short-term(ml/m ³) 1000 (1) (IE)
64-17-5		Ethanol	1000 [ml/m ³ (ppm)] 1920 [mg/m ³] (UK)

DNEL worker

CAS No.	Substance name	DNEL value	DNEL type	Remark
1336-21-6	ammonia ... %	6.8 mg/kg	long-term dermal (systemic)	
1336-21-6	ammonia ... %	47.6 mg/m ³	long-term inhalative (systemic)	
64-17-5	ethanol	1900 mg/m ³	acute inhalative (local)	
64-17-5	ethanol	343 mg/kg	long-term dermal (systemic)	
64-17-5	ethanol	950 mg/m ³	long-term inhalative (systemic)	



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DNEL Consumer

CAS No.	Substance name	DNEL value	DNEL type	Remark
1336-21-6	ammonia ... %	68 mg/kg	long-term dermal (systemic)	
1336-21-6	ammonia ... %	23.8 mg/m ³	long-term inhalative (systemic)	
1336-21-6	ammonia ... %	6.8 mg/m ³	long-term oral (repeated)	
64-17-5	ethanol	950 mg/kg	acute inhalative (local)	
64-17-5	ethanol	206 mg/kg	long-term dermal (systemic)	
64-17-5	ethanol	114 mg/m ³	long-term inhalative (systemic)	
64-17-5	ethanol	87 mg/kg	long-term oral (repeated)	

PNEC

CAS No.	Substance name	PNEC Value	PNEC type	Remark
1336-21-6	ammonia ... %	0.001 mg/L	aquatic, freshwater	
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	3.6 mg/kg	sediment, freshwater	
64-17-5	ethanol	2.9 mg/kg	sediment, marine water	
64-17-5	ethanol	0.63 mg/kg	soil, freshwater	
64-17-5	ethanol	0.72 mg/kg	Secondary Poisoning	
64-17-5	ethanol	580 mg/L	sewage treatment plant (STP)	

8.2 Exposure controls

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, 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.

Respiratory protection

Not required

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

white

Odour

characteristic

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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	25 °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	0.98 g/cm ³		
Solubility(ies)	Water solubility (g/L)		completely miscible
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 known.

10.2 Chemical stability

The mixture 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 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: > 5000 mg/kg Rat	OECD 401	CAS No.64-17-5 ethanol
Acute dermal toxicity	LD50: > 20000 mg/kg Rat	OECD 402	CAS No.64-17-5 ethanol
Acute inhalation toxicity	Acute inhalation toxicity (vapour) LC50: > 90 mg/L Rat		CAS No.64-17-5 ethanol

Assessment/classification

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

Skin corrosion/irritation**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 % Rabbit	OECD 405	CAS No.64-17-5 ethanol

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

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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.

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

	Effective dose	Method	Source, Remark
Acute (short-term) fish toxicity	LC50: 0.53 mg/L Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		CAS No.1336-21-6 ammonia ... %
Acute (short-term) fish toxicity	LC50: > 100 mg/L Leuciscus idus (golden orfe) Test duration 48 h	OECD 203	CAS No.64-17-5 ethanol
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 9268- 14221 mg/L Daphnia magna (Big water flea) Test duration 48 h	bibliography	CAS No.64-17-5 ethanol
Acute (short-term) toxicity to crustacea	EC50 24 mg/L Daphnia magna (Big water flea) Test duration 48 h		CAS No.1336-21-6 ammonia ... %
Acute (short-term) toxicity to crustacea	EC50 > 100 mg/L Daphnia magna (Big water flea) Test duration 24 h	OECD 202	CAS No.64-17-5 ethanol
Chronic (long-term) toxicity to crustacea	not determined		
Acute (short-term) toxicity to aquatic algae and cyanobacteria	EL10 > 100 mg/L	OECD 201	CAS No.64-17-5 ethanol
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available



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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	1170	1170	1170
14.2 UN proper shipping name	ETHANOL SOLUTION	ETHANOL SOLUTION	Ethanol solution
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	III	III	III
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	1170
UN proper shipping name	ETHANOL SOLUTION
Transport hazard class(es)	3
Hazard label(s)	3
Classification code:	F1
Packing group	III
Environmental hazards	No
Limited quantity (LQ)	5 L
Special Provisions	144 601
tunnel restriction code	D/E



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Remark

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

Sea transport (IMDG)

UN number	1170
UN proper shipping name	ETHANOL SOLUTION
Transport hazard class(es)	3
Packing group	III
Environmental hazards	No
Limited quantity (LQ)	5 L
Marine pollutant	-
EMS	F-E, S-D

Air transport (ICAO-TI / IATA-DGR)

UN number	1170
UN proper shipping name	Ethanol solution
Transport hazard class(es)	3
Packing group	III
Environmental hazards	No

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

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.

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.



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Additional information

Adhere to existing national and local rules referring to chemicals.

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

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

H225	Highly flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.