



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

1.1. Product identifier

Name of product Car shampoo

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

Recommended intended purpose(s)

Car care product

1.3. Details of the supplier of the safety data sheet

Distributor Daimler AG
D-70546 Stuttgart Germany

Advice

Phone +49 (0)711 17-97390
Fax +49 (0)711 17-94831
E-mail (competent person):
Mercedes-Benz-SDB@daimler.com

1.4. Emergency telephone number

Emergency advice

Phone +49 (0)711 17-0

! SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Eye Dam. 1	H318	
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! Hazard statements for health hazards

H318	Causes serious eye damage.
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2.2. Label elements

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



GHS05

! Signal word

Danger

! Hazard statements for health hazards

H318	Causes serious eye damage.
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Precautionary Statements

General

P102	Keep out of reach of children.
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! Prevention

P280 Wear eye protection.

! Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

Disposal

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

! Hazardous ingredients for labeling

alcohols, C12-14, ethoxylated, sulphate, sodium salt

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

Aqueous surfactant solution.

! Hazardous ingredients

CAS No	EC No	Name	[%]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
3811-73-2	223-296-5	2-Pyridinethiol, 1-oxide, sodium salt	< 0,01	Aquatic Acute 1, H400 / Acute Tox. 4, H302 / Acute Tox. 4, H312 / Acute Tox. 4, H332 / Skin Irrit. 2, H315
68891-38-3	500-234-8	alcohols, C12-14, ethoxylated, sulphate, sodium salt	5 < 10	Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Aquatic Chronic 3, H412

REACH

CAS No	Name	REACH registration number
3811-73-2	2-Pyridinethiol, 1-oxide, sodium salt	01-2119493385-28-0000
68891-38-3	alcohols, C12-14, ethoxylated, sulphate, sodium salt	01-2119488639-16

Labelling for contents according to regulation (EC) No 648/2004, annex VII

Sodium pyrithione

METHYLISOTHIAZOLINONE

BENZISOTHIAZOLINONE

5 % or over but less than 15 % anionic surfactants

perfumes

! SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose it safely.



In case of inhalation

No special measure necessary.

! In case of skin contact

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

! In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.

Refer to medical treatment.

Rinse out mouth thoroughly with water.

4.2. Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms

eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.

! SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Fire-extinguishing activities according to surrounding.

! Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Additional information

Contaminated fire-fighting water must be collected separately; it shall not run into the sewage system, aquatic environment or into the soil.

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 protective clothing.

For emergency responders

Avoid skin and eye contact

Use personal protective clothing.



6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).
After taking up the material dispose according to regulation.

6.4. Reference to other sections

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

! SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary if used correctly.

General protective measures

Adhere to general precaution rules when handling chemicals
Avoid contact with the eyes.

! Hygiene measures

Keep away from food and drink.
Wash hands before breaks and after work.
Use barrier skin cream.

Advice on protection against fire and explosion

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Prevent penetration into the ground.

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Protect from frost.
Recommended storage temperature: 20°C.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL-/PNEC-values

DNEL worker

CAS No	Substance name	Value	Code	Remark
68891-38-3	alcohols, C12-14, ethoxylated, sulphate, sodium salt	175 mg/m3	DNEL long-term inhalative (local)	

**DNEL-/PNEC-values (continued)**

CAS No	Substance name	Value	Code	Remark
		2750 mg/kg	DNEL long-term dermal (local)	

DNEL Consumer

CAS No	Substance name	Value	Code	Remark
68891-38-3	alcohols, C12-14, ethoxylated, sulphate, sodium salt	52 mg/m3	DNEL long-term inhalative (systemic)	
		15 mg/kg	DNEL long-term oral (repeated)	
		1650 mg/kg	DNEL long-term dermal (systemic)	

PNEC

CAS No	Substance name	Value	Code	Remark
68891-38-3	alcohols, C12-14, ethoxylated, sulphate, sodium salt	10000 mg/l	PNEC sewage treatment plant (STP)	
		0,024 mg/l	PNEC aquatic, marine water	
		0,24 mg/l	PNEC aquatic, freshwater	
		0,071 mg/l	PNEC aquatic, intermittent release	
		7,5 mg/kg	PNEC soil	
		0,9168 mg/kg	PNEC sediment, freshwater	
		0,09168 mg/kg	PNEC sediment, marine water	

8.2. Exposure controls**Respiratory protection**

Not required

Hand protection

Not required

Eye protection

safety goggles with side protection

Other protection measures

Protective clothing

! SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance**

liquid

Colour

orange

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	7 - 8	20 °C			



	Value	Temperature	at	Method	Remark
boiling point	>= 100 °C				
melting point	not determined				
Flash point	not applicable				
Vapourisation rate	not determined				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not determined				
Self ignition temperature					The product is not self-igniting.
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	1,02 - 1,03	20 °C			
Vapour density	not determined				
Solubility in water					Completely miscible
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity Outflow time	10 - 15 s	20 °C		DIN EN ISO 2431	4 mm
Oxidising properties	No information available.				
Explosive properties	The product is not explosive				
9.2. Other information	no				



! 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

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition

Remark No decomposition if used as directed.

Additional information

No risk of production of decomposition products when appropriately handled and stored

! SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	rat	OECD 401	alcohols, C12-14, ethoxylated, sulphate, sodium salt
LD50 acute dermal	> 2000 mg/kg	rat	OECD 402	alcohols, C12-14, ethoxylated, sulphate, sodium salt
Skin irritation	non-irritant			
Eye irritation	risk of strong eye injuries			
Skin sensitization	non-sensitizing			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Mutagenicity				not mutagenic



Value	Species	Method	Validation
Reproduction-Toxicity			not toxic for reproduction
Carcinogenicity			not cancerogenic
Specific target organ toxicity (single exposure)			
The substance or mixture is not classified as specific target organ toxicant, single exposure.			
Specific target organ toxicity (repeated exposure)			
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.			
Aspiration hazard			
No classification in relation to aspiration toxicity			

SECTION 12: Ecological information**12.1. Toxicity****Ecotoxicological effects**

	Value	Species	Method	Validation
Fish	LC50 >= 1 - 10 mg/l	Leuciscus idus	DIN EN ISO 7346-2	alcohols, C12-14, ethoxylated, sulphate, sodium salt
Daphnia	EC50 > 10 - 100 mg/l	Daphnia magna	OECD 202	alcohols, C12-14, ethoxylated, sulphate, sodium salt
Algae	EC50 > 100 mg/l	Scenedesmus subspicatus	OECD 201	alcohols, C12-14, ethoxylated, sulphate, sodium salt

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Degradability according to WRMG				Biodegradable

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information 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**General regulation**

Do not allow uncontrolled leakage of product into the environment.

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.



SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

15 01 02

20 01 29*

Name of waste

plastic packaging

detergents containing hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Do not dispose together with domestic waste

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of in accordance with legal regulations.

General information

The allocation of waste identity numbers must be carried out according to the Waste List Ordinance (AVV), specific to the industry and process.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

No information available.

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

not applicable

Transport/further information

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

No information available.

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.



SECTION 16: Other information

Recommended uses and restrictions

Adhere to existing national and local rules referring to chemicals.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.0

Sources of key data used

Safety data sheets of suppliers

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.