

Safety data sheet
according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

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

- **1.1 Product identifier**
- **Trade name:** CAR WASH SHAMPOO & WAX
- **UFI:** N9G0-10G1-P00R-EGP8
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages C** Consumer use
- **Sector of Use SU21** Consumer uses: Private households / general public / consumers
- **Product category PC35** Washing and cleaning products (including solvent based products)
- **Recommended use** Car shampoo
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
MA-FRA S.p.A. a Socio Unico
Via Aquileia, 44/46
20021 Baranzate (MI) ITALIA
Tel. +39 023569981
www.mafra.com
mafra@mafra.it
- **Informing department:**
E-mail: lab@mafra.it
info@mafra.it
- **1.4 Emergency telephone number:** In case of accident call the emergency number 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
P102 Keep out of reach of children.
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.
- **Additional information:**
EUH208 Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

(Contd. on page 2)

Safety data sheet according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

Trade name: CAR WASH SHAMPOO & WAX

(Contd. of page 1)

- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of substances

- Dangerous components:

CAS: 147170-44-3 EC number: 931-333-8 Reg.nr.: 01-2119489410-39	Cocamidopropyl Betaine ----- ☠ Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: $C \geq 10\%$ Eye Irrit. 2; H319: $4\% \leq C < 10\%$	3-5%
CAS: 134737-05-6 EC number: 620-271-4	Siloxanes and silicones ----- Aquatic Chronic 3, H412	1-<3%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol ----- ☠ Acute Tox. 3, H331; ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/Kg	<1%
CAS: 3811-73-2 EINECS: 223-296-5	Sodium pyrithione ----- ☠ Acute Tox. 3, H311; Acute Tox. 3, H331; ☠ STOT RE 1, H372; ☠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 2, H411; ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<0.05%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazolin-3-one ----- ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=1); ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: $C \geq 0.05\%$	<0.05%

- Regulation (EC) No 648/2004

amphoteric surfactants, EDTA and salts thereof, non-ionic surfactants, perfumes	<5%
preservation agents (Sodium pyrithione, benzisothiazolinone)	

- Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.2 Most important symptoms and effects, both acute and delayed
Sickness
No further relevant information available.
- General information No special measures required.
- After inhalation Supply fresh air; consult doctor in case of symptoms.
- After skin contact The product is not skin irritating.
- After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- After swallowing In case of persistent symptoms consult doctor.
- 4.3 Indication of any immediate medical attention and special treatment needed
If swallowed, gastric irrigation
Medical supervision for at least 48 hours

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Use fire fighting measures that suit the environment.

(Contd. on page 3)

Safety data sheet according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

Trade name: CAR WASH SHAMPOO & WAX

(Contd. of page 2)

- 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire

Carbon monoxide (CO)

- 5.3 Advice for firefighters

- Protective equipment:

Do not inhale explosion gases or combustion gases.

Protection means for respiratory tract

- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Keep away unauthorized persons

Particular danger of slipping on leaked/spilled product.

Protective gloves. (EN 374)

- For non-emergency personnel

Particular danger of slipping on leaked/spilled product.

Product forms slippery surface when combined with water.

Ensure adequate ventilation

Keep away from ignition sources

Wear protective clothing.

- For emergency responders

PVC gloves

Nitrile rubber, NBR

- 6.2 Environmental precautions:

Inform respective authorities in case product reaches water or sewage system.

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

- 6.3 Methods and material for containment and cleaning up:

Dispose of contaminated material as waste according to item 13.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

- 6.4 Reference to other sections

No dangerous materials are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

No special measures required.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not eat, drink or smoke while working.

- Information about protection against explosions and fires: Protect from heat.

- 7.2 Conditions for safe storage, including any incompatibilities

- Storage

- Requirements to be met by storerooms and containers: Store only in the original container.

- Information about storage in one common storage facility: Not required.

- Further information about storage conditions: None.

- Class according to regulation on inflammable liquids: Void

- 7.3 Specific end use(s) No further relevant information available.

GB

(Contd. on page 4)

Safety data sheet
according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

Trade name: **CAR WASH SHAMPOO & WAX**

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Components with limit values that require monitoring at the workplace:

111-76-2 2-butoxyethanol

<i>WEL</i>	Short-term value: 246 mg/m ³ , 50 ppm Long-term value: 123 mg/m ³ , 25 ppm Sk, BMGV
------------	---

- DNELs

147170-44-3 Cocamidopropyl Betaine

<i>Oral</i>	<i>Systemic Long-term Effects</i>	7.5 mg/Kg bw/day (Consumers)
<i>Dermal</i>	<i>Systemic long-term effects</i>	12.5 mg/Kg bw/day (Industrial Workers) 7.5 mg/Kg bw/day (Consumers)
<i>Inhalative</i>	<i>Systemic long-term effects</i>	44 mg/m ³ (Industrial Workers) 13.4 mg/m ³ (Consumers)

111-76-2 2-butoxyethanol

<i>Oral</i>	<i>Systemic Long-term Effects</i>	6.3 mg/Kg bw/day (Consumers)
	<i>Systemic short-term effects</i>	26.7 mg/m ³ (Consumers)
<i>Dermal</i>	<i>Systemic long-term effects</i>	125 mg/Kg bw/day (Industrial Workers) 75 mg/Kg bw/day (Consumers)
	<i>Systemic Short-term Effects</i>	89 mg/Kg bw/day (Industrial Workers) 89 mg/Kg bw/day (Consumers)
<i>Inhalative</i>	<i>Local long-term effects</i>	67.5 mg/m ³ (Industrial Workers) 40.5 mg/m ³ (Consumers)
	<i>Local short-term effects</i>	246 mg/m ³ (Industrial Workers) 147 mg/m ³ (Consumers)
	<i>Systemic long-term effects</i>	98 mg/m ³ (Industrial Workers) 59 mg/m ³ (Consumers)
	<i>Systemic Short-term Effects</i>	1,091 mg/m ³ (Industrial Workers) 426 mg/m ³ (Consumers)

64-02-8 tetrasodium ethylenediaminetetraacetate

<i>Oral</i>	<i>Systemic Long-term Effects</i>	25 mg/Kg bw/day (Consumers)
<i>Inhalative</i>	<i>Local long-term effects</i>	1.5 mg/m ³ (Industrial Workers) 0.6 mg/m ³ (Consumers)
	<i>Local short-term effects</i>	3 mg/m ³ (Industrial Workers) 1.2 mg/m ³ (Consumers)
	<i>Systemic long-term effects</i>	1.5 mg/m ³ (Industrial Workers) 0.6 mg/m ³ (Consumers)
	<i>Systemic Short-term Effects</i>	2.5 mg/m ³ (Industrial Workers) 1.5 mg/m ³ (Consumers)

- PNECs

147170-44-3 Cocamidopropyl Betaine

<i>PNEC STP</i>	3,000 mg/L (STP)
<i>Soil</i>	0.8 mg/Kg (Soil)
<i>Soft Water</i>	0.013 mg/L (Water)
<i>Sea water</i>	0.001 mg/L (Water)
<i>Sediment (soft water)</i>	1 mg/Kg (Water)

(Contd. on page 5)

Safety data sheet according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

Trade name: CAR WASH SHAMPOO & WAX

(Contd. of page 4)

<i>Sediment (sea water)</i>	0.1 mg/Kg (Soil)
111-76-2 2-butoxyethanol	
<i>PNEC STP</i>	463 mg/L (STP)
<i>Soil</i>	2.33 mg/Kg (Soil)
<i>Soft Water</i>	8.8 mg/L (Water)
<i>Sea water</i>	0.88 mg/L (Water)
<i>Sediment (soft water)</i>	34.6 mg/Kg (Soil)
<i>Sediment (sea water)</i>	3.46 mg/Kg (Soil)
<i>Occasional Emission</i>	26.4 mg/L (Water)
64-02-8 tetrasodium ethylenediaminetetraacetate	
<i>PNEC STP</i>	43 mg/L (STP)
<i>Soil</i>	0.72 mg/Kg (Soil)
<i>Soft Water</i>	2.2 mg/L (Water)
<i>Sea water</i>	0.22 mg/L (Water)
<i>Occasional Emission</i>	1.2 mg/L (Water)
- Ingredients with biological limit values:	
111-76-2 2-butoxyethanol	
<i>BMGV</i>	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid

- **Additional information:** The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
Do not eat, drink or smoke while working.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Hand protection**



Protective gloves. (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

PVC gloves
Nitrile rubber, NBR

- Penetration time of glove material

For the mixture of chemicals mentioned below the penetration time has to be at least 15 minutes (Permeation according to EN 16523-1:2015: Level 1).

- Eye/face protection



Safety glasses recommended during refilling.

(Contd. on page 6)

Safety data sheet according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

Trade name: CAR WASH SHAMPOO & WAX

(Contd. of page 5)

- **Environmental exposure controls**
- Disposal must be made according to official regulations.
- Dispose of packaging according to regulations on the disposal of packagings.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- | | |
|--|---------------------|
| - Physical state | Fluid |
| - Colour: | Yellow |
| - Odour: | Pleasant |
| - Odour threshold: | Not determined. |
| - Melting point/freezing point: | Not determined |
| - Boiling point or initial boiling point and boiling range | 100 °C |
| - Flammability | Not applicable. |
| - Lower and upper explosion limit | |
| - Lower: | Not determined. |
| - Upper: | Not determined. |
| - Flash point: | Not applicable |
| - Decomposition temperature: | Not determined. |
| - pH at 20 °C | 8.5 |
| - Viscosity: | |
| - Kinematic viscosity | Not determined. |
| - dynamic at 20 °C: | 0.952 mPas |
| - Solubility | |
| - Water: | Fully miscible |
| - Partition coefficient n-octanol/water (log value) | Not determined. |
| - Vapour pressure at 20 °C: | 23 hPa |
| - Density and/or relative density | |
| - Density at 20 °C | 1 g/cm ³ |
| - Relative density | Not determined. |
| - Vapour density | Not determined. |

- 9.2 Other information

- | | |
|---|------------------------------|
| - Appearance: | |
| - Form: | Fluid |
| - Important information on protection of health and environment, and on safety. | |
| - Self-inflammability: | Product is not selfigniting. |
| - Explosive properties: | Product is not explosive. |
| - Change in condition | |
| - Evaporation rate | Not determined. |

- Information with regard to physical hazard classes

- | | |
|---|------|
| - Explosives | Void |
| - Flammable gases | Void |
| - Aerosols | Void |
| - Oxidising gases | Void |
| - Gases under pressure | Void |
| - Flammable liquids | Void |
| - Flammable solids | Void |
| - Self-reactive substances and mixtures | Void |
| - Pyrophoric liquids | Void |
| - Pyrophoric solids | Void |
| - Self-heating substances and mixtures | Void |
| - Substances and mixtures, which emit flammable gases in contact with water | Void |
| - Oxidising liquids | Void |

(Contd. on page 7)

Safety data sheet according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

Trade name: **CAR WASH SHAMPOO & WAX**

(Contd. of page 6)

- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

SECTION 10: Stability and reactivity

- 10.1 Reactivity Stable under normal conditions
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:

147170-44-3 Cocamidopropyl Betaine		
Oral	LD50	2,335 mg/Kg (Rat)
111-76-2 2-butoxyethanol		
Oral	LD50	1,200 mg/Kg (ATE) >2,000 mg/Kg (Rabbit) 1,746 mg/Kg (Rat)
Dermal	LD50	>2,000 mg/Kg (Rat)
64-02-8 tetrasodium ethylenediaminetetraacetate		
Oral	LD50	1,780 mg/Kg (Rat)
68439-46-3 Ethoxy Alcohol C9-C11		
Oral	LD50	>2,000 mg/Kg (Rat)
Dermal	LD50	>2,000 mg/Kg (Rabbit)

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

147170-44-3 Cocamidopropyl Betaine	
LC50 (96h)	1.11 mg/L (Fish)
EC50 (72h)	>1.5 mg/L (Algae)

(Contd. on page 8)

GB

Safety data sheet according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

Trade name: CAR WASH SHAMPOO & WAX

(Contd. of page 7)

111-76-2 2-butoxyethanol

LC50 (96h) 1,474 mg/L (Fish)

EC50 (48h) 1,550 mg/L (Daphnia)

EC50 (72h) 911 mg/L (Algae)

64-02-8 tetrasodium ethylenediaminetetraacetate

LC50 (96h) >100 mg/L (Fish)

EC50 (48h) 140 mg/L (Daphnia)

EC50 (72h) >100 mg/L (Algae)

68439-46-3 Ethoxy Alcohol C9-C11

LC50 (96h) >1-10 mg/L (Fish)

EC50 (48h) >1-10 mg/L (Daphnia)

EC50 (72h) >1-10 mg/L (Algae)

- **12.2 Persistence and degradability** The contained surfactants are easily biodegradable- **12.3 Bioaccumulative potential** No further relevant information available.- **12.4 Mobility in soil** No further relevant information available.- **12.5 Results of PBT and vPvB assessment**- **PBT:** Not applicable.- **vPvB:** Not applicable.- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.- **12.7 Other adverse effects**- **Additional ecological information:**- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations- **13.1 Waste treatment methods**- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**- **Recommendation:**

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information- **14.1 UN number or ID number**- **ADR, ADN, IMDG, IATA**

Void

- **14.2 UN proper shipping name**- **ADR, ADN, IMDG, IATA**

Void

- **14.3 Transport hazard class(es)**- **ADR, ADN, IMDG, IATA**- **Class**

Void

- **14.4 Packing group**- **ADR, IMDG, IATA**

Void

(Contd. on page 9)

GB

Safety data sheet
according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

Trade name: CAR WASH SHAMPOO & WAX

(Contd. of page 8)

- | | |
|--|-----------------|
| - 14.5 Environmental hazards: | |
| - Marine pollutant: | No |
| - 14.6 Special precautions for user | Not applicable. |
| - 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |

SECTION 15: Regulatory information

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

- Poisons Act

- Regulated explosives precursors

None of the ingredients is listed.

- Regulated poisons

None of the ingredients is listed.

- Reportable explosives precursors

None of the ingredients is listed.

- Reportable poisons

None of the ingredients is listed.

- Directive 2012/18/EU

- Named dangerous substances - ANNEX I None of the ingredients is listed.

- National regulations

- Classification according to VbF: Void

- Technical instructions (air):

Class	Share in %
NK	0.5

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- Relevant phrases

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

- Department issuing data specification sheet: Ma-Fra Laboratories

- Contact: lab@mafra.it

- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

(Contd. on page 10)

Safety data sheet
according to 2020/878/EC

Printing date 15.01.2024

Version number 4 (replaces version 3)

Revision: 15.01.2024

Trade name: CAR WASH SHAMPOO & WAX

(Contd. of page 9)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * Data compared to the previous version altered.

GB