

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.04.2021

Version number 1

Revision: 15.04.2021

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

- **1.1 Product identifier**
- **Trade name: BLACK&WRAP SHAMPOO**
- **UFI: UPF0-G0N8-J009-S3KT**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages**
 - C Consumer use
 - PW Widespread use by professional workers
- **Sector of Use**
 - SU21 Consumer uses: Private households / general public / consumers
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category PC35** Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture** Exterior vehicle cleaner
- **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:** 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**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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



GHS05



GHS07

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- Signal word *Danger***- Hazard-determining components of labelling:***Cocamidopropyl Betaine**quaternary compound**phosphoric acid***- Hazard statements***H318 Causes serious eye damage.**H317 May cause an allergic skin reaction.**H412 Harmful to aquatic life with long lasting effects.***- Precautionary statements***P102 Keep out of reach of children.**P273 Avoid release to the environment.**P280 Wear protective gloves / eye protection.**P302+P352 IF ON SKIN: Wash with plenty of water.**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 local/regional/national/international regulations.***- 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: 77-92-9 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42	citric acid ☞ Eye Irrit. 2, H319	3-<5%
CAS: 308062-28-4 EC number: 931-292-6 Reg.nr.: 01-2119490061-47	Amines oxide ☞ Eye Dam. 1, H318; ☞ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ☞ Acute Tox. 4, H302; Skin Irrit. 2, H315	1-<3%
CAS: 61791-14-8	Coco amina 12 EO ☞ Eye Dam. 1, H318; ☞ Acute Tox. 4, H302; Aquatic Chronic 3, H412	1-<3%
CAS: 784144-40-7	quaternary compound ☞ Eye Dam. 1, H318; ☞ Skin Sens. 1, H317	1-<3%
CAS: 25307-17-9 EINECS: 246-807-3 Reg.nr.: 01-2119510876-35	2,2'-(octadec-9-enylimino)bisethanol ☞ Skin Corr. 1A, H314; ☞ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ☞ Acute Tox. 4, H302	<1%

- Regulation (EC) No 648/2004*amphoteric surfactants, non-ionic surfactants, cationic surfactants, perfumes*

<5%

- Additional information For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****- 4.1 Description of first aid measures****- After inhalation***In case of unconsciousness bring patient into stable side position for transport.*

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- Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
 - **After eye contact** Use eye protection.
 - **After swallowing** In case of persistent symptoms consult doctor.
 - **4.2 Most important symptoms and effects, both acute and delayed** Allergic reactions
 - **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.
- **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** Protective gloves. (EN 374)
- **For non-emergency personnel**
Ensure adequate ventilation
Keep away from ignition sources
Wear protective clothing.
- **For emergency responders**
Recommended thickness of the material: ≥ 0.11 mm
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.
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
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**
Keep containers tightly sealed.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.

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- 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:** Keep container tightly sealed.
 - **Class according to regulation on inflammable liquids:** Void
 - **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- DNELs

147170-44-3 Cocamidopropyl Betaine

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

308062-28-4 Amines oxide

Oral	Systemic Long-term Effects	0.44 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	11 mg/Kg bw/day (Industrial Workers)
Inhalative	Systemic long-term effects	5.5 mg/Kg bw/day (Consumers)
		6.2 mg/m ³ (Industrial Workers)
		1.53 mg/m ³ (Consumers)

- PNECs

147170-44-3 Cocamidopropyl Betaine

PNEC STP	3,000 mg/L (STP)
Soil	0.8 mg/Kg (Soil)
Soft Water	0.013 mg/L (Water)
Sea water	0.001 mg/L (Water)
Sediment (soft water)	14.8 mg/Kg (Water)
Sediment (sea water)	1.48 mg/Kg (Soil)

77-92-9 citric acid

PNEC STP	1,000 mg/L (STP)
Soil	33.1 mg/Kg (Soil)
Soft Water	0.44 mg/L (Water)
Sea water	0.044 mg/L (Water)
Sediment (soft water)	34.6 mg/Kg (Soil)
Sediment (sea water)	3.46 mg/Kg (Soil)

308062-28-4 Amines oxide

PNEC STP	24 mg/L (STP)
Soil	1.02 mg/Kg (Soil)
Soft Water	0.0335 mg/L (Water)

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Sea water	0.00335 mg/L (Water)
Sediment (soft water)	5.24 mg/Kg (Soil)
Sediment (sea water)	0.524 mg/Kg (Soil)
25307-17-9 2,2'-(octadec-9-enylimino)bisethanol	
Soil	mg/Kg (Soil)
Sediment (soft water)	mg/Kg (Soil)
Sediment (sea water)	mg/Kg (Soil)

- **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 item 7.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

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

Avoid contact with the eyes.

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**

Recommended thickness of the material: ≥ 0.11 mm

Nitrile rubber, NBR

- **Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 60 minutes (Permeation according to EN 16523-1:2015: Level 3).

- **Eye/face protection**



Tightly sealed safety glasses.

- **Environmental exposure controls** Disposal must be made according to official regulations.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Fluid

- **Colour:**

Colourless

- **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

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- Self-inflammability:	Product is not selfigniting.
- Decomposition temperature:	Not determined.
- pH at 20 °C	3
- Viscosity:	
- Kinematic viscosity at 20 °C	400 s (ISO 4 mm)
- dynamic:	Not determined.
- Solubility	
- Water:	Fully miscible
- Partition coefficient n-octanol/water (log value)	Not determined.
- Vapour pressure:	Not determined.
- Density and/or relative density	
- Density at 20 °C	1.04 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

- 9.2 Other information	
- Appearance:	
- Form:	Liquid
- Important information on protection of health and environment, and on safety.	
- 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
- 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

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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)
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77-92-9 citric acid

Oral	LD50	5,400 mg/Kg (Rat)
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Dermal	LD50	>2,000 mg/Kg (Rat)
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308062-28-4 Amines oxide

Oral	LD50	mg/Kg (Rat)
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	NOAEL	88 mg/Kg (Rat)
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Dermal	LD50	>2,000 mg/Kg (Rat)
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61791-14-8 Coco amina 12 EO

Oral	LD50	>300-≤2,000 mg/Kg (Rat)
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784144-40-7 quaternary compound

Oral	LD50	>2,000-≤5,000 mg/Kg (Rat)
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25307-17-9 2,2'-(octadec-9-enylimino)bisethanol

Oral	LD50	300-2,000 mg/Kg (Rat)
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68920-66-1 Ethoxy Alcohol

Oral	LD50	>2,000 mg/Kg (Rat)
------	------	--------------------

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

- **Serious eye damage/irritation** Causes serious eye damage.

- **Respiratory or skin sensitisation** May cause an allergic skin reaction.

- **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.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

147170-44-3 Cocamidopropyl Betaine

LC50 (96h)	1.11 mg/L (Fish)
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EC50 (72h)	>1.5 mg/L (Algae)
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77-92-9 citric acid

LC50 (48h)	440 mg/L (Fish)
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308062-28-4 Amines oxide

LC50 (96h)	2.67 mg/L (Fish)
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EC50 (48h)	0.266 mg/L (Algae)
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	3.1 mg/L (Daphnia)
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EC50 (96h)	2.67 mg/L (Fish)
EC50 (72h)	0.143 mg/L (Algae)
25307-17-9 2,2'-(octadec-9-enylimino)bisethanol	
LC50 (96h)	0.1 mg/L (Fish)
EC50 (48h)	0.043 mg/L (Daphnia)
EC50 (72h)	0.0867 mg/L (Algae)
68920-66-1 Ethoxy Alcohol	
LC50 (96h)	<1 mg/L (Fish)
EC50 (48h)	<1 mg/L (Daphnia)

- **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 danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.
- Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.
- Danger to drinking water if even extremely small quantities leak into soil.
- 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.

SECTION 14: Transport information

- 14.1 UN number or ID number	
- ADR, IMDG, IATA	Void
- 14.2 UN proper shipping name	
- ADR, IMDG, IATA	Void
- 14.3 Transport hazard class(es)	
- ADR, IMDG, IATA	
- Class	Void
- 14.4 Packing group	
- ADR, IMDG, IATA	Void
- 14.5 Environmental hazards:	Not applicable.
- 14.6 Special precautions for user	Not applicable.

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- 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

- Directive 2012/18/EU
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- **National regulations**
- **Classification according to VbF:** Void
- **Water hazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- Reasons for alterations

- Relevant phrases

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- 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.

- Classification according to Regulation (EC) No 1272/2008

Serious eye damage/eye irritation
Skin sensitisation
Hazardous to the aquatic environment - long-term (chronic)
aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- Department issuing data specification sheet: Ma-Fra Laboratories

- Contact: lab@mafra.it

- Date of previous version: 15.04.2021

- 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)
- VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity - oral – Category 4
- Skin Corr. 1A: Skin corrosion/irritation – Category 1A

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*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**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term 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.**

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