



Car Shampoo BIO

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Product Reference code:61500

Date of issue: 11/4/2015

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Supersedes: 11/4/2015

Version: 2.0

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

1.1. Product identifier

Product form : Mixture
Name : Car Shampoo BIO
Product code : 615
Article number : 61500

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Consumer use
Function or use category : Cleaning/washing agents, Shampoo (cars, trucks, busses, rail vehicles)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

BARDAHL NL - OCD NEDERLAND BV
Maxwellstraat 41
3316 GP Dordrecht - Nederland
T 0031 78 651 2322 - F 0031 78 617 4848
rjionker@bardahl.nl - www.bardahl.nl

1.4. Emergency telephone number

Emergency number : +31 (0) 6 2908 2010
During office hours: 8.30 t/m 17:00 h

Country	Official advisory body	Address	Emergency number	Comment
	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation Not classified

Serious eye damage/eye irritation, Category H319
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Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation

Precautionary statements (CLP) :

P264 - Wash hands thoroughly after handling
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
P102 - Keep out of reach of children

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Regulation 648/2004 / EC concerning detergents : anionic surfactants 5-15%
non-ionic surfactants <5%
Methylisothiazolinone
Glutaral
perfumes
Benzisothiazolinone

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodiumalkyl (C10-13) benzenesulfonate	(CAS-No.) 68411-30-3 (EC-No.) 270-115-0 (REACH-no) 01-2119489428-22	10-20	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Amides, coco, N,N-bis(hydroxyethyl)	(CAS-No.) 68603-42-9 (EC-No.) 271-657-0 (REACH-no) 01-2119490100-53	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	(CAS-No.) 68891-38-3 (EC-No.) 500-234-8 (REACH-no) 01-2119488639-16	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In any case of doubt or if symptoms can be observed, get medical attention. If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation : Assure fresh air breathing.

First-aid measures after skin contact : Wash skin thoroughly with mild soap and water.

First-aid measures after eye contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Eat a fat product, such as butter. If swallowed, seek medical advice immediately and show this container or label. If swallowed, administer lukewarm water or milk (1/2 liter).

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Redness. Not expected to present a significant skin hazard.
Symptoms/effects after eye contact	: Causes serious eye damage. Redness.
Symptoms/effects after ingestion	: May cause irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

In case of doubt or persistent symptoms, consult always a physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: All known extinguishants can be used.
Unsuitable extinguishing media	: None, to our knowledge.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Making extinguishing agents environment-friendly.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: May be dangerously slippery if spilled.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it. Flush with plenty of water.
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6.4. Reference to other sections

See Headings 7 and 8. See Heading 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: The usual precautionary measures are to be adhered to when handling chemicals.
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep container tightly closed.
Incompatible materials	: Freezing.

7.3. Specific end use(s)

See Section 1.2 and / or exposure scenarios.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodiumalkyl (C10-13) benzenesulfonate (68411-30-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	170 mg/kg bodyweight/day
Long-term - local effects, dermal	170 mg/cm ²
Long-term - systemic effects, inhalation	12 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.85 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3 mg/m ³
Long-term - systemic effects, dermal	85 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.268 mg/l
PNEC aqua (marine water)	0.0268 mg/l

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Sodiumalkyl (C10-13) benzenesulfonate (68411-30-3)	
PNEC aqua (intermittent, freshwater)	0.055 mg/l
PNEC aqua (intermittent, marine water)	0.055 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	8.1 mg/kg dwt
PNEC sediment (marine water)	8.1 mg/kg dwt
PNEC (Soil)	
PNEC soil	35 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	5.6 mg/l
Amides, coco, N,N-bis(hydroxyethyl) (68603-42-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	4.16 mg/kg bodyweight/day
Long-term - local effects, dermal	4.16 mg/cm ²
Long-term - systemic effects, inhalation	73.4 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	6.25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	21.73 mg/m ³
Long-term - systemic effects, dermal	2.5 mg/kg bodyweight/day
Long-term - local effects, dermal	0.056
PNEC (Water)	
PNEC aqua (freshwater)	0.0024 mg/l
PNEC aqua (marine water)	0.00024 mg/l
PNEC aqua (intermittent, freshwater)	0.024 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.0145 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.00648 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	830 mg/l

8.2. Exposure controls

Hand protection:

not necessary. Repeated contact: Safety gloves, Refer to manufacturer's information.

Eye protection:

No special eye protection equipment recommended under normal conditions of use

Respiratory protection:

None under normal use

Other information:

Do not eat, drink or smoke during use. Avoid contact with skin and eyes.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous.
Colour	: Green.
Odour	: Apple.
Odour threshold	: No data available
pH	: 5 - 8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: ≈ -4 °C
Boiling point	: ≈ 100 °C
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

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Flammability (solid, gas)	: Non flammable.
Vapour pressure	: 23.3 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 1.01
Density	: ≈ 1.01 g/cm ³
Solubility	: Soluble in water.
Log Pow	: -0.77
Viscosity, kinematic	: ≈ 100 mm ² /s
Viscosity, dynamic	: ≈ 100 mPa.s
Explosive properties	: No chemical group associated with explosive properties.
Oxidising properties	: The product is not flame retardant.
Explosive limits	: No data available

9.2. Other information

VOC content	: < 30 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None under normal conditions.

10.5. Incompatible materials

None under normal conditions.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: The substance is not classified as hazardous according to 67/548/EEC. The mixture is not classified as dangerous according to Directive 1999/45/EC. the mixture according to Regulation (EC) No 1272/2008 [GHS] not classified as dangerous, The substance is not classified as dangerous according to Regulation (EC) Nr. 1271/2008 [GHS]. The classification was made according to the method of calculating the relevant preparations directive (1999/45/EC).

Sodiumalkyl (C10-13) benzenesulfonate (68411-30-3)	
LD50 oral rat	2000 - 5000 mg/kg
LD50 oral	> 200 mg/kg
LD50 dermal rat	> 2000 mg/kg
Amides, coco, N,N-bis(hydroxyethyl) (68603-42-9)	
LD50 oral rat	> 10000 mg/kg
LD50 oral	> 10000 mg/kg
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts (68891-38-3)	
LD50 oral rat	2000 - 5000 (OECD401)
LD50 dermal rat	> 2000 (OECD402)
Skin corrosion/irritation	: Not classified pH: 5 - 8
Serious eye damage/irritation	: Causes serious eye irritation. pH: 5 - 8
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	≈ 100 mm ² /s

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

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Additional information	This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Sodiumalkyl (C10-13) benzenesulfonate (68411-30-3)	
LC50 fish 1	> 1 mg/l (≤10)
EC50 Daphnia 1	> 1 (≤10)
EC50 other aquatic organisms 1	10 mg/l
EC50 72h algae (1)	1 mg/l
ErC50 (other aquatic plants)	> 10 mg/l (≤100)
NOEC (chronic)	> 1 mg/l (≤10)
NOEC chronic fish	> 0.1 mg/l

Amides, coco, N,N-bis(hydroxyethyl) (68603-42-9)	
LC50 fish 1	5.7 mg/l
EC50 other aquatic organisms 1	5.6 mg/l (Waterflea)
EC50 72h algae (1)	1.2 mg/l

Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts (68891-38-3)	
EC50 Daphnia 1	1 - 10 mg/l (OECD202)
EC50 72h algae (1)	10 - 100 mg/l (OECD201)

12.2. Persistence and degradability

Car Shampoo BIO	
Persistence and degradability	The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Sodiumalkyl (C10-13) benzenesulfonate (68411-30-3)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

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Log Pow	-0.77

Sodiumalkyl (C10-13) benzenesulfonate (68411-30-3)	
Bioaccumulative potential	Bioaccumulation unlikely.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

Component	
Sodiumalkyl (C10-13) benzenesulfonate (68411-30-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Amides, coco, N,N-bis(hydroxyethyl) (68603-42-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts (68891-38-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Flush/dilute residue with water.

European List of Waste (LoW) code : 20 01 30 - detergents other than those mentioned in 20 01 29

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : < 30 %

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

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Water hazard class:	: 11 - Weinig schadelijk voor in het water levende organismen
Saneringsinspanningen	: B - Lozing minimaliseren; toepassen van best uitvoerbare technieken
SZW-lijst van kankerverwekkende stoffen	: Sodiumalkyl (C10-13) benzenesulfonate,Amides, coco, N,N-bis(hydroxyethyl) are listed
SZW-lijst van mutagene stoffen	: Sodiumalkyl (C10-13) benzenesulfonate,Amides, coco, N,N-bis(hydroxyethyl) are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed

15.2. Chemical safety assessment

No

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Regulation 648/2004 / EC concerning detergents
	Comments (on top of composition)	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
3	Composition/information on ingredients	Modified	
8.2	Hand protection	Modified	
9.1	Oxidising properties	Added	
9.1	Explosive properties	Added	
9.1	Viscosity, kinematic	Added	
12.1	Ecology - general	Added	
16	Other information	Added	

Abbreviations and acronyms:

	<p>Abbreviations and acronyms:</p> <p>RID: Regulations Concerning the International Transport of Dangerous Goods by Rail</p> <p>ICAO: International Civil Aviation Organization</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road</p> <p>IMDG: International Maritime Code for Dangerous Goods</p> <p>IATA: International Air Transport Association</p> <p>GHS: Globally Harmonized System of Classification and labelling of Chemicals</p> <p>EINECS: European Inventory of Existing Commercial Chemical Substances</p> <p>ELINCS: European List of Notified Chemical Substances</p> <p>CAS: Chemical Abstracts Service (division of the American Chemical Society)</p> <p>VOC: Volatile Organic Compounds (USA, EU)</p> <p>LC50: Lethal concentration, 50 percent</p> <p>LD50: Lethal dose, 50 percent</p>
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Other information : Classification and procedure used to determine the classification of mixtures according to Regulation (EC) 1272/2008: Classification obtained from DetNet:
 The classification of the skin and / or eyes of this product has been determined using the extrapolation principles for the classification of mixtures (in particular dilution, interpolation within a toxicity category or essentially equal mixtures, with or without expert judgment) based on Of Article 9 (3) and Article 9 (4) of Regulation (EC) No. 1272/2008.
 Classification dossier for competent authorities available upon request.
 DetNet Logging Number: DetNet / 550. Skin Corr./Irrit. Not classified . Eye Irrit. 2. Principles of extrapolation for largely comparable mixtures and assessment by experts. Principle of extrapolation on dilution and assessment by expert.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation

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H412	Harmful to aquatic life with long lasting effects
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SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product