SAFETY DATA SHEET

(Autosmart Online) - Snowfoam Pro

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: (Autosmart Online) - Snowfoam Pro

Product no.: B0629

Unique formula identifier (UFI): A6EJ-X0U3-V00E-PFJK

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

Relevant identified uses of the substance or mixture: Cleaning product

Product code (A.I.S.E.): AISE-C21 / High Pressure washers/cleaners.

Use descriptors (REACH):

Sectors of use:	**Description:**
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product category:	**Description:**
PC 35	Washing and Cleaning Products (including solvent based products)

EuPCS: PC-CLN-17.1 / Exterior cleaning products - all vehicle types

▼*Uses advised against :* None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Autosmart International Limited
Lynn Lane,
Shenstone,
Lichfield
WS14 0DH Staffordshire.
United Kingdom
+44 (0) 1543 481 616
EU: Hållnäsgatan 14, 752 28 Uppsala, Sweden. +46 (0) 18-8439320 (09:00 - 17:00)

Contact person: Russell Butler

E-mail: SHREQ@autosmart.co.uk

Revision: 18/07/2024

SDS Version: 2.0

Date of previous version: 12/07/2024 (1.0)

1.4. Emergency telephone number

NCEC - For Chemical Emergency Support ONLY (spill, leak, fire, exposure or accident), Call NCEC at +44 (0) 1865 407333 (24Hrs UK)
when calling please quote "AUTOSMART 29003-NCEC"

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you healthcare advice or direct you to the local service that can help you best.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.
Eye Irrit. 2; H319, Causes serious eye irritation.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s):

Signal word: Warning

Hazard statement(s): Causes skin irritation. (H315)
Causes serious eye irritation. (H319)
Harmful to aquatic life with long lasting effects. (H412)

Precautionary statement(s):

General: Keep out of reach of children. (P102)
If medical advice is needed, have product container or label at hand. (P101)

Prevention: Wash hands thoroughly after handling. (P264)
Avoid release to the environment. (P273)
Wear eye protection/protective gloves/protective clothing. (P280)

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Storage: -

Disposal: Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Additional labelling: EUH208, Contains (R)-p-mentha-1,8-diene;d-limonene. May produce an allergic reaction.

UFI: A6EJ-X0U3-V00E-PFJK

Labelling of contents according to Detergents Regulation (EC) No 648/2004:
5% - 15%
· Anionic surfactants
< 5%
· Amphoteric surfactants
· Non-ionic surfactants
· Perfumes (D-LIMONENE)
· Perfumes (TERPINEOL)
· Perfumes (CITRAL)

2.3. Other hazards

Additional warnings: This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance:	Identifiers:	% w/w:	Classification:	Note:
2-butoxyethanol; ethylene	CAS No.: 111-76-2	10-15%	Acute Tox. 4, H302 (ATE: 1200.00	[1]

glycol monobutyl ether	EC No.: 203-905-0 REACH: 01-2119475108-36-XXXX Index No.: 603-014-00-0		mg/kg) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 3, H331	
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	CAS No.: 51981-21-6 EC No.: 257-573-7 REACH: 01-2119493601-38-XXXX Index No.:	3-5%	Met. Corr. 1, H290	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No.: 68891-38-3 EC No.: 500-234-8 REACH: 01-2119488639-16-XXXX Index No.:	3-5%	Skin Irrit. 2, H315 Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Aquatic Chronic 3, H412	[19]
β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts	CAS No.: 90170-43-7 EC No.: 290-476-8 REACH: 01-2119976233-35-XXXX Index No.:	1-3%	Eye Irrit. 2, H319	
Dodecan-1-ol	CAS No.: 112-53-8 EC No.: 203-982-0 REACH: 01-2119485976-15-XXXX Index No.:	<1%	Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	
Tetradecanol	CAS No.: 112-72-1 EC No.: 204-000-3 REACH: 01-2119485910-33-XXXX Index No.:	<1%	Eye Irrit. 2, H319 Aquatic Chronic 1, H410 (M=1)	
(R)-p-mentha-1,8-diene;d-limonene	CAS No.: 5989-27-5 EC No.: 227-813-5 REACH: 01-2119529223-47-XXXX Index No.: 601-096-00-2	<0.25%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412	
Terpineol	CAS No.: 8000-41-7 EC No.: 232-268-1 REACH: 01-2119553062-49-xxxx Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
citral	CAS No.: 5392-40-5 EC No.: 226-394-6 REACH: 01-2119462829-23-XXXX Index No.: 605-019-00-3	<0.05%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information: In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

	Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation:	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact:	IF ON SKIN: Wash with plenty of water/water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
Eye contact:	If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.
Ingestion:	If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.
Burns:	Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.
Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

4.3. Indication of any immediate medical attention and special treatment needed
If eye irritation persists: Get medical advice/attention.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2)
Some metal oxides

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the National Poisons Information Centre (NPIC) on +353 (0) 1 809 256 (24 h service) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up
Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:	Keep only in original packaging.
Storage conditions:	5 - 30°C
Incompatible materials:	Strong acids Strong oxidizing agents

7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
2-butoxyethanol; ethylene glycol monobutyl ether
Long term exposure limit (8 hours) (mg/m^3): 98
Long term exposure limit (8 hours) (ppm): 20
Short term exposure limit (15 minutes) (mg/m^3): 246
Short term exposure limit (15 minutes) (ppm): 50
Annotations:
IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive (98/24/EC).
Sk = Substance, which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body.

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Long term exposure limit (8 hours) (ppm): 5 (Inhalable Fraction and Vapour)

2024 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2021) and the Safety, Health and Welfare at Work (Carcinogens, Mutagens and Reprotoxic Substances) Regulations (2024).

DNEL

(R)-p-mentha-1,8-diene;d-limonene

Duration: :	Route of exposure: :	DNEL: :
Long term – Systemic effects - General population	Dermal	4.8 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	9.5 mg/kg bw/day

Long term – Systemic effects - General population	Inhalation	16.6 mg/m³
Long term – Systemic effects - Workers	Inhalation	66.7 mg/m³
Long term – Systemic effects - General population	Oral	4.8 mg/kg bw/day

2-butoxyethanol; ethylene glycol monobutyl ether

Duration: :	Route of exposure: :	DNEL: :
Long term – Systemic effects - General population	Inhalation	59 mg/m³
Long term – Systemic effects - Workers	Inhalation	98 mg/m³
Short term – Local effects - General population	Inhalation	147 mg/m³
Short term – Local effects - Workers	Inhalation	246 mg/m³
Short term – Systemic effects - General population	Inhalation	426 mg/m³
Short term – Systemic effects - Workers	Inhalation	1091 mg/m³
Long term – Systemic effects - General population	Oral	6.3 mg/kg bw/day
Short term – Systemic effects - General population	Oral	26.7 mg/kg bw/day

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Duration: :	Route of exposure: :	DNEL: :
Long term – Local effects - General population	Dermal	79 µg/cm²
Long term – Local effects - Workers	Dermal	132 µg/cm²
Long term – Systemic effects - General population	Dermal	40.178 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	80.357 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.4 mg/m³
Long term – Systemic effects - Workers	Inhalation	7.9 mg/m³
Long term – Systemic effects - General population	Oral	1.125 mg/kg bw/day

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Duration: :	Route of exposure: :	DNEL: :
Long term – Local effects - General population	Dermal	140 µg/cm²
Long term – Local effects - Workers	Dermal	140 µg/cm²
Long term – Systemic effects - General population	Dermal	1 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	1.7 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	2.7 mg/m³
Long term – Systemic effects - Workers	Inhalation	9 mg/m³
Long term – Systemic effects - General population	Oral	600 µg/kgbw/day

Dodecan-1-ol

Duration: :	Route of exposure: :	DNEL: :
Long term – Systemic effects - General population	Dermal	44.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	89 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	155 mg/m³
Long term – Systemic effects - General population	Inhalation	77 mg/m³
Long term – Systemic effects - Workers	Inhalation	313 mg/m³
Long term – Systemic effects - General population	Oral	44.5 mg/kg bw/day

Tetradecanol

Duration: :	Route of exposure: :	DNEL: :
Long term – Systemic effects - General population	Dermal	44.4 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	89 mg/kg bw/day

Long term – Local effects - Workers	Inhalation	178 mg/m³
Long term – Systemic effects - General population	Inhalation	77 mg/m³
Long term – Systemic effects - Workers	Inhalation	313 mg/m³
Long term – Systemic effects - General population	Oral	44.4 mg/kg bw/day

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

Duration: :	Route of exposure: :	DNEL: :
Long term – Systemic effects - General population	Dermal	7500 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	15000 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.8 mg/m³
Long term – Systemic effects - Workers	Inhalation	7.3 mg/m³
Long term – Systemic effects - General population	Oral	1.5 mg/kg bw/day

β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts

Duration: :	Route of exposure: :	DNEL: :
Long term – Systemic effects - Workers	Dermal	2.67 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	980 mg/m³

PNEC

(R)-p-mentha-1,8-diene;d-limonene

Route of exposure: :	Duration of Exposure: :	PNEC: :
Freshwater		14 µg/L
Freshwater sediment		3.85 mg/kg
Marine water		1.4 µg/L
Marine water sediment		385 µg/kg
Predators		133 mg/kg
Sewage treatment plant		1.8 mg/L
Soil		763 µg/kg

2-butoxyethanol; ethylene glycol monobutyl ether

Route of exposure: :	Duration of Exposure: :	PNEC: :
Freshwater		8.8 mg/L
Freshwater sediment		34.6 mg/kg
Intermittent release (freshwater)		26.4 mg/L
Marine water		880 µg/L
Marine water sediment		3.46 mg/kg
Predators		20 mg/kg
Sewage treatment plant		463 mg/L
Soil		2.33 mg/kg

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure: :	Duration of Exposure: :	PNEC: :
Freshwater		52-240 µg/L
Freshwater sediment		200-916.8 µg/kg
Intermittent release (freshwater)		71 µg/L
Marine water		5.2-24 µg/L
Marine water sediment		20-91.7 µg/kg
Sewage treatment plant		1-10 g/L
Soil		7.5 mg/kg

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Route of exposure: :	Duration of Exposure: :	PNEC: :
Freshwater		6.78 µg/L
Freshwater sediment		125 µg/kg
Intermittent release (freshwater)		67.8 µg/L
Marine water		678 ng/L
Marine water sediment		12.5 µg/kg
Sewage treatment plant		1.6 mg/L
Soil		20.9 µg/kg

Dodecan-1-ol

Route of exposure: :	Duration of Exposure: :	PNEC: :
Freshwater		1.3 µg/L
Marine water		130 ng/L
Soil		132 µg/kg

Tetradecanol

Route of exposure: :	Duration of Exposure: :	PNEC: :
Freshwater		630 ng/L
Marine water		63 ng/L
Soil		428 µg/kg

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

Route of exposure: :	Duration of Exposure: :	PNEC: :
Freshwater		9.45 mg/L
Intermittent release (freshwater)		953 µg/L
Intermittent release (marine water)		95.3 µg/L
Marine water		945 µg/L
Predators		67 mg/kg
Sewage treatment plant		41.2 mg/L
Soil		500 µg/kg

β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts

Route of exposure: :	Duration of Exposure: :	PNEC: :
Freshwater		100 µg/L
Intermittent release (freshwater)		100 µg/L
Marine water		10 µg/L
Sewage treatment plant		300 µg/L

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations: Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.

Exposure limits: Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures: The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

	Apply standard precautions during use of the product. Avoid inhalation of vapours.
Hygiene measures:	Take off contaminated clothing and wash it before reuse.
Measures to avoid environmental exposure:	Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally: Wash contaminated clothing before reuse.
Use only CE marked protective equipment.

Respiratory Equipment:

Type:	Class:	Colour:	Standards:	:
Respiratory protection is not needed in the event of adequate ventilation.				

Skin protection:

Recommended:	Type/Category:	Standards:	:
Non-slip safety shoes		EN ISO 20344	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	

Hand protection:

Material:	Glove thickness (mm):	Breakthrough time (min.):	Standards:	:
Nitrile	0,2	> 120	EN374-2, EN374-3, EN388	

Eye protection:

Type:	Standards:	:
Safety glasses with side shields.	EN166	
Safety glasses with side shields.	EN ISO 16321-1	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Orange
Odour / Odour threshold:	Pleasant, Fruity
pH:	9.9
pH in solution:	7.4 (1%)
Density (g/cm^3):	1.033 (20 °C)

Kinematic viscosity:	Testing not relevant or not possible due to the nature of the product.
Dynamic viscosity:	~1 centistokes (20 °C)
Particle characteristics:	Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):	~0
Softening point/range (°C):	Does not apply to liquids.
Boiling point (°C):	100
Vapour pressure:	Testing not relevant or not possible due to the nature of the product.
Relative vapour density:	Testing not relevant or not possible due to the nature of the product.
Decomposition temperature (°C):	Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C):	Not applicable - based on structure
Flammability (°C):	The material is not combustible.
Auto-ignition temperature (°C):	No data available
Lower and upper explosion limit (% v/v):	Testing not relevant or not possible due to the nature of the product.

Solubility

Solubility in water:	Completely soluble
n-octanol/water coefficient (LogKow):	Testing not relevant or not possible due to the nature of the product.
Solubility in fat (g/L):	Testing not relevant or not possible due to the nature of the product.

9.2. Other information

Sensitivity to shock:	No
VOC (g/L):	155
Other physical and chemical parameters:	No data available.
Oxidizing properties:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids
Strong oxidizing agents

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	>5000 mg/kgbw

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2,000 mg/kg

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	2,870 mg/kg

Product/substance	β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	2001 mg/kg

Product/substance	Dodecan-1-ol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2,001 mg/kg

Product/substance	Dodecan-1-ol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2,001 mg/kg

Product/substance	Dodecan-1-ol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	> 71 mg/L

Product/substance	Tetradecanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2,001 mg/kg

Product/substance	Tetradecanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>8,000 mg/kg

Product/substance	Tetradecanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>1.6 mg/L

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

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

Skin sensitisation

This product contains substances that may trigger an allergic reaction in already sensitized persons.

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

Product/substance	β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts
Species:	Rat
Test:	NOAEL
Result:	44 mg/kg

Product/substance	Dodecan-1-ol
Species:	Rat
Test:	NOAEL
Result:	2,000 mg/kg
Conclusion:	No adverse effect observed

STOT-single exposure

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

STOT-repeated exposure

Product/substance	β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts
Species:	Rat
Route of exposure:	Oral
Test:	NOAEL
Result:	43 mg/kg

Product/substance	Dodecan-1-ol
Species:	Rat
Route of exposure:	Oral
Test:	NOAEL
Result:	2,000 mg/kg
Conclusion:	No adverse effect observed

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

2-butoxyethanol; ethylene glycol monobutyl ether has been classified by IARC as a group 3 carcinogen.
(R)-p-mentha-1,8-diene;d-limonene has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	> 100 mg/L

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 201
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	27.7 mg/L

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	7.4 mg/L

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 203
Species:	Fish, Danio rerio
Duration:	96 hours
Test:	LC50
Result:	7.1 mg/L

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Species:	Algae
Duration:	72 hours
Test:	NOEC
Result:	0.95 mg/L

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0.27 mg/L

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 215
Species:	Fish, Oncorhynchus mykiss
Duration:	28 days
Test:	NOEC
Result:	0.14 mg/L

Product/substance	β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	4.2 mg/L

Product/substance	β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	29 mg/L

Product/substance	β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts
Species:	Algae, Chlorella vulgaris
Duration:	72 hours
Test:	EC50
Result:	9.4 mg/L

Product/substance	β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts
Species:	Daphnia, Chlorella vulgaris
Duration:	72 hours
Test:	EC10

Result:	5.5 mg/L

Product/substance	β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts
Species:	Crustacean, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	10 mg/L

Product/substance	Dodecan-1-ol
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	1.01 mg/L

Product/substance	Dodecan-1-ol
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	0.765 mg/L

Product/substance	Dodecan-1-ol
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	0.66 mg/L

Product/substance	Dodecan-1-ol
Species:	Algae, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0.014 mg/L

Product/substance	Tetradecanol
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	>1 mg/L

Product/substance	Tetradecanol
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	3.2 mg/L

Product/substance	Tetradecanol
Species:	Algae
Duration:	96 hours
Test:	EC50
Result:	>10 mg/L

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Duration:	28 days
Result:	>77 %
Conclusion:	-
Test:	OECD 301 D

Product/substance	Dodecan-1-ol
Duration:	28 days
Result:	> 60 %
Conclusion:	Readily biodegradable

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.

12.3. Bioaccumulative potential

Product/substance: Alcohols, C12-14, ethoxylated, sulfates, sodium salts
LogKow: 0.3
Conclusion: -

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
HP 4 - Irritant (skin irritation and eye damage)
HP 6 - Acute toxicity
HP 14 – Ecotoxic
Dispose of contents/container to an approved waste disposal plant.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code: 20 01 29* Detergents containing dangerous substances

Contaminated packing

EWC code: 15 01 10* Packaging containing residues of or contaminated by dangerous substances

SECTION 14: TRANSPORT INFORMATION

:	14.1 UN / ID:	14.2 UN proper shipping name:	14.3 Hazard class(es):	14.4 PG*:	14.5 Env**:	Other information::
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application:	Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.
Demands for specific education:	No specific requirements.
SEVESO - Categories / dangerous substances:	Not applicable.
REACH, Annex XVII:	(R)-p-mentha-1,8-diene;d-limonene is subject to REACH restrictions (entry 40).
Labelling of contents according to Detergents Regulation (EC) No 648/2004:	5% - 15% · Anionic surfactants < 5% · Amphoteric surfactants · Non-ionic surfactants · Perfumes (D-LIMONENE) · Perfumes (TERPINEOL) · Perfumes (CITRAL)
Additional information:	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.
Sources:	Maternity Protection Act 1994 (34/1994) with later amendments. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.
H290, May be corrosive to metals.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
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.
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.

The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)
PC 35 = Washing and Cleaning Products (including solvent based products)

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The safety data sheet is validated by

Russell Butler

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: IE-en