

Persil 3 in 1 Capsules Bio Professional

Revision: 2024-08-06

Version: 01.0

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

1.1 Product identifier

Trade name: Persil 3 in 1 Capsules Bio Professional

Persil is a registered trade mark and is used under licence of Unilever

UFI: VQTJ-F1X4-R006-D7H8

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

Product use: Laundry detergent.

Uses advised against: Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :

AISE_SWED_PW_8a_1

PC35-Washing and cleaning products

AISE_SWED_PW_1_1

AISE_SWED_PW_4_1

PC35-Washing and cleaning products

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssebroeksedijk 2, 3542DN Utrecht], The Netherlands

Contact details

Diversey Ltd

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: customerservice.uk@solenis.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)

For medical or environmental emergency only:

call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin irritation, Category 2 (H315)

Eye irritation, Category 2 (H319)

Chronic aquatic toxicity, Category 3 (H412)

2.2 Label elements



Signal word: Warning.

Hazard statements:

H315 + H319 - Causes skin and serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P501 - Dispose of unused content as chemical waste.

2.3 Other hazards

No other hazards known.

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SECTION 3: Composition/information on ingredients**3.2 Mixtures**

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
C12-14 alcohols, ethoxylated (7EO)	[4]	68439-50-9	[4]	Acute toxicity - Oral, Category 4 (H302) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)		10-20
amides, coco, N-(hydroxyethyl)	268-770-2	68140-00-1	-	Serious eye damage, Category 1 (H318)		10-20
monoethanolamine alkylbenzenesulphonate	287-335-8	85480-55-3	[1]	Acute toxicity - Oral, Category 4 (H302) Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)		10-20
glycerol	200-289-5	56-81-5	01-211947198 7-18	Not classified as hazardous		10-20
propane-1,2-diol	200-338-0	57-55-6	01-211945680 9-23	Not classified as hazardous		10-20

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

SECTION 4: First aid measures**4.1 Description of first aid measures**

Inhalation:	Get medical attention or advice if you feel unwell.
Skin contact:	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
Eye contact:	Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.
Ingestion:	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
Self-protection of first aider:	Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No known effects or symptoms in normal use.
Skin contact:	Causes irritation.
Eye contact:	Causes severe irritation.
Ingestion:	No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Repeated or prolonged contact: Wear suitable gloves.

6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back

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into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire and explosions:

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Follow general hygiene considerations recognised as common good workplace practices. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Do not mix with other products unless advised by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing before reuse. Avoid contact with skin and eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. Keep out of reach of children.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

Air limit values, if available:

Ingredient(s)	UK - Long term value(s)	UK - Short term value(s)
glycerol	10 mg/m ³ mist	30 mg/m ³ mist
propane-1,2-diol	150 ppm total vapour and particulates 474 mg/m ³ total vapour and particulates 10 mg/m ³ particulates	450 ppm total vapour and particulates 1422 mg/m ³ total vapour and particulates 30 mg/m ³ particulate

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values

Human exposure

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
amides, coco, N-(hydroxyethyl)	No data available	No data available	No data available	No data available
monoethanolamine alkylbenzenesulphonate	-	-	-	0.85
glycerol	-	-	-	229
propane-1,2-diol	-	-	-	-

DNEL/DMEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
amides, coco, N-(hydroxyethyl)	No data available	No data available	No data available	No data available
monoethanolamine alkylbenzenesulphonate	No data available	-	12 mg/kg bw	170
glycerol	No data available	-	No data available	-
propane-1,2-diol	-	-	-	-

DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)

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C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
amides, coco, N-(hydroxyethyl)	No data available	No data available	No data available	No data available
monoethanolamine alkylbenzenesulphonate	No data available	-	No data available	85
glycerol	No data available	-	No data available	-
propane-1,2-diol	-	-	-	-

DNEL/DMEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
amides, coco, N-(hydroxyethyl)	No data available	No data available	No data available	No data available
monoethanolamine alkylbenzenesulphonate	-	-	12	-
glycerol	-	-	56	56
propane-1,2-diol	-	-	10	168

DNEL/DMEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
amides, coco, N-(hydroxyethyl)	No data available	No data available	No data available	No data available
monoethanolamine alkylbenzenesulphonate	-	-	3	3
glycerol	-	-	-	33
propane-1,2-diol	-	-	10	50

Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
amides, coco, N-(hydroxyethyl)	No data available	No data available	No data available	No data available
monoethanolamine alkylbenzenesulphonate	0.268	0.0268	0.0167	-
glycerol	0.885	0.0885	8.85	1000
propane-1,2-diol	260	26	183	20000

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m ³)
C12-14 alcohols, ethoxylated (7EO)	No data available	No data available	No data available	No data available
amides, coco, N-(hydroxyethyl)	No data available	No data available	No data available	No data available
monoethanolamine alkylbenzenesulphonate	8.1	8.1	35	-
glycerol	3.3	0.33	0.141	-
propane-1,2-diol	572	57.2	50	-

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
PC35-Washing and cleaning products	PC35-Washing and cleaning products	C	-	-	ERC8a
Manual transfer and dilution	AISE_SWED_PW_8a_1	PW	PROC 8a	60	ERC8a

Personal protective equipment

Eye / face protection:

Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 16321 / EN 166).

Hand protection:

Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary. Repeated or prolonged contact: Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

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Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (% w/w): 0.1

Appropriate engineering controls: No special requirements under normal use conditions.

Appropriate organisational controls: No special requirements under normal use conditions.

REACH use scenarios considered for the diluted product:

	SWED	LCS	PROC	Duration (min)	ERC
PC35-Washing and cleaning products	PC35-Washing and cleaning products	C	-	-	ERC8a
Automatic application in a dedicated closed system	AISE_SWED_PW_1_1	PW	PROC 1	480	ERC8a
Automatic application in a dedicated system	AISE_SWED_PW_4_1	PW	PROC 4	480	ERC8a

Personal protective equipment

Eye / face protection: No special requirements under normal use conditions.

Hand protection: No special requirements under normal use conditions.

Body protection: No special requirements under normal use conditions.

Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Method / remark

Physical state: Liquid

Colour: Clear , Blue

Odour: Product specific

Odour threshold: Not applicable

Melting point/freezing point (°C): Not determined

Not relevant to classification of this product

Initial boiling point and boiling range (°C): Not determined

See substance data

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
C12-14 alcohols, ethoxylated (7EO)	No data available		
amides, coco, N-(hydroxyethyl)	No data available		
monoethanolamine alkylbenzenesulphonate	No data available		
glycerol	290	Method not given	1013
propane-1,2-diol	185-190	Method not given	1013

Method / remark

Flammability (solid, gas): Not applicable to liquids

Flammability (liquid): Not flammable.

Flash point (°C): Not applicable.

Sustained combustion: Not applicable.

(UN Manual of Tests and Criteria, section 32, L.2)

Lower and upper explosion limit/flammability limit (%): Not determined

See substance data

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
glycerol	2.7	19
propane-1,2-diol	2.6	12.6

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Autoignition temperature: Not determined
Decomposition temperature: Not applicable.
pH: \approx 9 (neat)
Dilution pH: \approx 9 (0.1 %)
Kinematic viscosity: Not determined
Solubility in / Miscibility with water: Fully miscible

Method / remark

ISO 4316
 ISO 4316
 DM-006 Viscosity - Additional

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
C12-14 alcohols, ethoxylated (7EO)	Soluble	Method not given	
amides, coco, N-(hydroxyethyl)	No data available		
monoethanolamine alkylbenzenesulphonate	No data available		
glycerol	500	Method not given	20
propane-1,2-diol	Soluble	Method not given	

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Vapour pressure: Not determined

Method / remark

See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
C12-14 alcohols, ethoxylated (7EO)	No data available		
amides, coco, N-(hydroxyethyl)	No data available		
monoethanolamine alkylbenzenesulphonate	No data available		
glycerol	< 1	Method not given	20
propane-1,2-diol	18.6	Method not given	20

Relative density: \approx 1.06 (20 °C)
Relative vapour density: No data available.
Particle characteristics: No data available.

Method / remark

OECD 109 (EU A.3)
 Not relevant to classification of this product
 Not applicable to liquids.

9.2 Other information**9.2.1 Information with regard to physical hazard classes**

Explosive properties: Not explosive.
Oxidising properties: Not oxidising.
Corrosion to metals: Not corrosive

9.2.2 Other safety characteristics

No other relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Mixture data: .

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Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

Eye irritation and corrosivity**Result:** Eye irritant 2**Species:** Not applicable.**Method:** Weight of evidenceSubstance data, where relevant and available, are listed below:.**Acute toxicity**

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Oral (mg/kg)
C12-14 alcohols, ethoxylated (7EO)	LD ₅₀	> 300 - 2000	Rat	Read across		Not established
amides, coco, N-(hydroxyethyl)		No data available				Not established
monoethanolamine alkylbenzenesulphonate	LD ₅₀	1515	Rat	Method not given		1515
glycerol	LD ₅₀	12600	Mouse	Method not given		Not established
propane-1,2-diol	LD ₅₀	> 10000	Rat	Method not given		Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
C12-14 alcohols, ethoxylated (7EO)	LD ₅₀	> 2000	Rabbit	Method not given		Not established
amides, coco, N-(hydroxyethyl)		No data available				Not established
monoethanolamine alkylbenzenesulphonate	LD ₅₀	2504	Rabbit	Method not given		Not established
glycerol	LD ₅₀	> 10000	Rabbit	Method not given		Not established
propane-1,2-diol	LD ₅₀	> 2000	Rabbit	Method not given		Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
C12-14 alcohols, ethoxylated (7EO)		No data available			
amides, coco, N-(hydroxyethyl)		No data available			
monoethanolamine alkylbenzenesulphonate	LC ₅₀	> 5		Method not given	4
glycerol		> 2.75	Rat	Weight of evidence	4 Hrs.
propane-1,2-diol	LC ₅₀	> 317 (mist) No mortality observed	Rabbit	Non guideline test	

Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust (mg/l)	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas (mg/l)
C12-14 alcohols, ethoxylated (7EO)	Not established	Not established	Not established	Not established
amides, coco, N-(hydroxyethyl)	Not established	Not established	Not established	Not established
monoethanolamine alkylbenzenesulphonate	Not established	Not established	Not established	Not established
glycerol	Not established	Not established	Not established	Not established
propane-1,2-diol	Not established	Not established	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
C12-14 alcohols, ethoxylated (7EO)	Not irritant		Read across	
amides, coco, N-(hydroxyethyl)	No data available			
monoethanolamine alkylbenzenesulphonate	No data available			
glycerol	Not irritant		OECD 404 (EU B.4)	
propane-1,2-diol	Not irritant	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
C12-14 alcohols, ethoxylated (7EO)	Severe damage	Rabbit	Read across	
amides, coco, N-(hydroxyethyl)	No data available			
monoethanolamine alkylbenzenesulphonate	No data available			
glycerol	Not corrosive or irritant		Method not given	

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propane-1,2-diol	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
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Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
C12-14 alcohols, ethoxylated (7EO)	No data available			
amides, coco, N-(hydroxyethyl)	No data available			
monoethanolamine alkylbenzenesulphonate	No data available			
glycerol	No data available			
propane-1,2-diol	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
C12-14 alcohols, ethoxylated (7EO)	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
amides, coco, N-(hydroxyethyl)	No data available			
monoethanolamine alkylbenzenesulphonate	No data available			
glycerol	Not sensitising	Human	Human repeated patch test	
propane-1,2-diol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
C12-14 alcohols, ethoxylated (7EO)	No data available			
amides, coco, N-(hydroxyethyl)	No data available			
monoethanolamine alkylbenzenesulphonate	No data available			
glycerol	No data available			
propane-1,2-diol	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
C12-14 alcohols, ethoxylated (7EO)	No evidence for mutagenicity, negative test results	Read across	No data available	
amides, coco, N-(hydroxyethyl)	No data available		No data available	
monoethanolamine alkylbenzenesulphonate	No data available		No data available	
glycerol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
propane-1,2-diol	No evidence for mutagenicity, negative test results	Method not given	No data available	

Carcinogenicity

Ingredient(s)	Effect
C12-14 alcohols, ethoxylated (7EO)	No data available
amides, coco, N-(hydroxyethyl)	No data available
monoethanolamine alkylbenzenesulphonate	No data available
glycerol	No evidence for carcinogenicity, negative test results
propane-1,2-diol	No evidence for carcinogenicity, negative test results

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
C12-14 alcohols, ethoxylated (7EO)			No data available				
amides, coco, N-(hydroxyethyl)			No data available				
monoethanolamine alkylbenzenesulphonate			No data available				
glycerol			No data available				Not toxic for reproduction
propane-1,2-diol			No data available				No evidence for reproductive toxicity

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected

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C12-14 alcohols, ethoxylated (7EO)		No data available				
amides, coco, N-(hydroxyethyl)		No data available				
monoethanolamine alkylbenzenesulphonate		No data available				
glycerol		No data available				
propane-1,2-diol		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
C12-14 alcohols, ethoxylated (7EO)		No data available				
amides, coco, N-(hydroxyethyl)		No data available				
monoethanolamine alkylbenzenesulphonate		No data available				
glycerol		No data available				
propane-1,2-diol		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
C12-14 alcohols, ethoxylated (7EO)		No data available				
amides, coco, N-(hydroxyethyl)		No data available				
monoethanolamine alkylbenzenesulphonate		No data available				
glycerol		No data available				
propane-1,2-diol		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
C12-14 alcohols, ethoxylated (7EO)			No data available					
amides, coco, N-(hydroxyethyl)			No data available					
monoethanolamine alkylbenzenesulphonate			No data available					
glycerol			No data available					
propane-1,2-diol			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
C12-14 alcohols, ethoxylated (7EO)	No data available
amides, coco, N-(hydroxyethyl)	No data available
monoethanolamine alkylbenzenesulphonate	No data available
glycerol	No data available
propane-1,2-diol	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
C12-14 alcohols, ethoxylated (7EO)	No data available
amides, coco, N-(hydroxyethyl)	No data available
monoethanolamine alkylbenzenesulphonate	No data available
glycerol	No data available
propane-1,2-diol	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

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11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Endocrine disrupting properties - Human data, if available:

11.2.2 Other information

No other relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
C12-14 alcohols, ethoxylated (7EO)	LC ₅₀	> 1 - 10	<i>Brachydanio rerio</i>	Read across	96
amides, coco, N-(hydroxyethyl)		No data available			
monoethanolamine alkylbenzenesulphonate	LC ₅₀	2.22	<i>Pimephales promelas</i>	OECD 203, semi-static	96
glycerol	LC ₅₀	54000	<i>Oncorhynchus mykiss</i>	Method not given	96
propane-1,2-diol	LC ₅₀	> 1000	<i>Fish</i>	Method not given	24

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
C12-14 alcohols, ethoxylated (7EO)	EC ₅₀	> 1 - 10	<i>Daphnia magna Straus</i>	Method not given	48
amides, coco, N-(hydroxyethyl)		No data available			
monoethanolamine alkylbenzenesulphonate		No data available			
glycerol	EC ₅₀	> 10000	<i>Daphnia magna Straus</i>	Method not given	24
propane-1,2-diol	EC ₅₀	> 100	<i>Daphnia</i>	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
C12-14 alcohols, ethoxylated (7EO)	NOEC	> 0.1 - 1	<i>Not specified</i>	DIN 38412, Part 9 OECD 201 (EU C.3)	
amides, coco, N-(hydroxyethyl)		No data available			
monoethanolamine alkylbenzenesulphonate		No data available			
glycerol		2900			
propane-1,2-diol	EC ₅₀	24200	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
C12-14 alcohols, ethoxylated (7EO)		No data available			
amides, coco, N-(hydroxyethyl)		No data available			
monoethanolamine alkylbenzenesulphonate		No data available			
glycerol		No data available			
propane-1,2-diol		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
C12-14 alcohols, ethoxylated (7EO)		> 1000	<i>Activated</i>	DEV-L2	

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			<i>sludge</i>		
amides, coco, N-(hydroxyethyl)		No data available			
monoethanolamine alkylbenzenesulphonate		No data available			
glycerol	EC ₅₀	> 10000	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
propane-1,2-diol	EC ₀	> 20000	<i>Pseudomonas putida</i>	Method not given	18 hour(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
C12-14 alcohols, ethoxylated (7EO)	EC ₅₀	10-100	<i>Not specified</i>	Method not given	96 hour(s)	
amides, coco, N-(hydroxyethyl)		No data available				
monoethanolamine alkylbenzenesulphonate		No data available				
glycerol		No data available				
propane-1,2-diol		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
C12-14 alcohols, ethoxylated (7EO)	EC ₅₀	10-100	<i>Not specified</i>	Method not given	48 hour(s)	
amides, coco, N-(hydroxyethyl)		No data available				
monoethanolamine alkylbenzenesulphonate		No data available				
glycerol		No data available				
propane-1,2-diol	NOEC	13020	<i>Ceriodaphnia dubia</i>	Method not given	7 day(s)	

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
C12-14 alcohols, ethoxylated (7EO)		No data available				
amides, coco, N-(hydroxyethyl)		No data available				
monoethanolamine alkylbenzenesulphonate		No data available				
glycerol		No data available				
propane-1,2-diol		No data available				

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

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Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
C12-14 alcohols, ethoxylated (7EO)		CO ₂ production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
amides, coco, N-(hydroxyethyl)			93% in 15 day(s)	OECD 301D	Readily biodegradable
monoethanolamine alkylbenzenesulphonate	Activated sludge, aerobe	CO ₂ production	89% in 29 day(s)	OECD 301B	Readily biodegradable
glycerol			60% in 28 day(s)	Method not given	Readily biodegradable
propane-1,2-diol			> 70 % in 28 day(s)	OECD 301A	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
C12-14 alcohols, ethoxylated (7EO)	No data available		No bioaccumulation expected	
amides, coco, N-(hydroxyethyl)	No data available			
monoethanolamine alkylbenzenesulphonate	No data available			
glycerol	-1.76	Method not given	No bioaccumulation expected	
propane-1,2-diol	-1.07	Method not given	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
C12-14 alcohols, ethoxylated (7EO)	No data available				
amides, coco, N-(hydroxyethyl)	No data available				
monoethanolamine alkylbenzenesulphonate	No data available				
glycerol	No data available				
propane-1,2-diol	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K _{oc}	Desorption coefficient Log K _{oc} (des)	Method	Soil/sediment type	Evaluation
C12-14 alcohols, ethoxylated (7EO)	No data available	≥ 4			Potential for adsorption to soil
amides, coco, N-(hydroxyethyl)	No data available				
monoethanolamine alkylbenzenesulphonate	No data available				
glycerol	No data available				Potential for mobility in soil, soluble in water
propane-1,2-diol	No data available				Potential for mobility in soil, soluble in water

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Waste from residues / unused products:****European Waste Catalogue:****Empty packaging****Recommendation:****Suitable cleaning agents:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.
20 01 29* - detergents containing dangerous substances.

Dispose of observing national or local regulations.
Water, if necessary with cleaning agent.

SECTION 14: Transport information**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**

- 14.1 UN number or ID number: Non-dangerous goods
- 14.2 UN proper shipping name: Non-dangerous goods
- 14.3 Transport hazard class(es): Non-dangerous goods
- 14.4 Packing group: Non-dangerous goods
- 14.5 Environmental hazards: Non-dangerous goods
- 14.6 Special precautions for user: Non-dangerous goods
- 14.7 Maritime transport in bulk according to IMO instruments: Non-dangerous goods

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Regulation (EC) 648/2004 - Detergents regulation (UK amended)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

Ingredients according to Detergents Regulation

non-ionic surfactants, anionic surfactants, soap	15 - 30 %
phosphonates	< 5 %
perfumes , enzymes, optical brighteners, Alpha-Isomethyl Ionone	

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Comah - classification: Not classified

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

SDS code: MS1006018

Version: 01.0

Revision: 2024-08-06

Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level

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- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H412 - Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet