



Persil Professional Small & Mighty Bio

Revision: 2020-10-11

Version: 01.0

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

1.1 Product identifier

Trade name: Persil Professional Small & Mighty Bio
Persil is a registered trade mark and is used under licence of Unilever

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

Identified uses:

AISE-P102 - Laundry detergent. Semi-automatic process
AISE-P103 - Laundry detergent. Manual process
AISE-C1 - Laundry regular (powder, liquid) for consumer use

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

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, 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@diversey.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

Eye Irrit. 2 (H319)
Skin Irrit. 2 (H315)
Skin Sens. 1 (H317)

2.2 Label elements



Signal word: Warning.

Contains 2-methyl-2H-isothiazol-3-one (Methylisothiazolinone), 3(2H)-Isothiazolone, 2-octyl- (Octylisothiazolinone)

Hazard statements:

H315 + H319 - Causes skin and serious eye irritation.
H317 - May cause an allergic skin reaction.

Precautionary statements:

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P280 - Wear protective gloves.
P501 - Dispose of unused content as chemical waste.

Further indications on the label:

Contains: preservative.

2.3 Other hazards

Persil Professional Small & Mighty Bio

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
Triethanolamine dodecylbenzenesulfonate	248-406-9	27323-41-7	-	Acute Tox. 3 (H301) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		10-20
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	270-116-6	68411-31-4	-	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)		10-20
Alcohols, C12-15, ethoxylated	[4]	68131-39-5	[4]	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)		3-10
3,6,9,12,15,18,21-Heptaooxatriacontan-1-ol	221-283-9	3055-97-8	-	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		3-10
Poly(oxy-1,2-ethanediy), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	500-234-8	68891-38-3	-	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)		3-10
propane-1,2-diol	200-338-0	57-55-6	01-2119456809-23	Not classified as hazardous		1-3
tetrasodium (1-hydroxy ethylidene)bisphosphonate	223-267-7	3794-83-0	01-2119510382-52	Acute Tox. 4 (H302) Eye Irrit. 2 (H319)		1-3
2-methyl-2H-isothiazol-3-one	220-239-6	2682-20-4	[6]	Acute Tox. 2 (H330) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		0.01-0.1

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

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

[6] Exempted: biocidal active. See Article 15a 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

General Information:

Symptoms of intoxication may even occur after several hours. It is recommended to continue medical observation for at least 48 hours after the incident.

Inhalation:

Get medical attention or advice if you feel unwell.

Skin contact:

Take off immediately all contaminated clothing and wash it before reuse.

Eye contact:

Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or 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. May cause an allergic skin reaction.

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

Persil Professional Small & Mighty Bio

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**

Wear suitable gloves.

6.2 Environmental precautions

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

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, sawdust). Do not place spilled materials back 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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)
propane-1,2-diol	150 ppm total particulates and vapour 474 mg/m ³ total particulates and vapour 10 mg/m ³ particulates	450 ppm total particulate and vapour 1422 mg/m ³ total particulate and vapour 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 oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Triethanolamine dodecylbenzenesulfonate	No data available	No data available	No data available	No data available

Persil Professional Small & Mighty Bio

Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available	No data available	No data available	No data available
Alcohols, C12-15, ethoxylated	No data available	No data available	No data available	No data available
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available	No data available	No data available	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available	No data available	No data available	No data available
propane-1,2-diol	-	-	-	-
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available	No data available	No data available	2.1
2-methyl-2H-isothiazol-3-one	-	-	-	-

DNEL 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)
Triethanolamine dodecylbenzenesulfonate	No data available	No data available	No data available	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available	No data available	No data available	No data available
Alcohols, C12-15, ethoxylated	No data available	No data available	No data available	No data available
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available	No data available	No data available	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available	No data available	No data available	No data available
propane-1,2-diol	No data available	-	No data available	-
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available	No data available	No data available	48
2-methyl-2H-isothiazol-3-one	-	-	-	-

DNEL 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)
Triethanolamine dodecylbenzenesulfonate	No data available	No data available	No data available	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available	No data available	No data available	No data available
Alcohols, C12-15, ethoxylated	No data available	No data available	No data available	No data available
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available	No data available	No data available	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available	No data available	No data available	No data available
propane-1,2-diol	No data available	-	No data available	-
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available	No data available	No data available	24
2-methyl-2H-isothiazol-3-one	-	-	-	-

DNEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Triethanolamine dodecylbenzenesulfonate	No data available	No data available	No data available	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available	No data available	No data available	No data available
Alcohols, C12-15, ethoxylated	No data available	No data available	No data available	No data available
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available	No data available	No data available	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available	No data available	No data available	No data available
propane-1,2-diol	-	-	10	168
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available	No data available	No data available	16.9
2-methyl-2H-isothiazol-3-one	-	-	-	-

DNEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Triethanolamine dodecylbenzenesulfonate	No data available	No data available	No data available	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available	No data available	No data available	No data available
Alcohols, C12-15, ethoxylated	No data available	No data available	No data available	No data available
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available	No data available	No data available	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available	No data available	No data available	No data available
propane-1,2-diol	-	-	10	50
tetrasodium (1-hydroxy ethylidene)bisphosphonate	10	No data available	10	4.2
2-methyl-2H-isothiazol-3-one	-	-	-	-

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)
Triethanolamine dodecylbenzenesulfonate	No data available	No data available	No data available	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available	No data available	No data available	No data available

Persil Professional Small & Mighty Bio

Alcohols, C12-15, ethoxylated	No data available	No data available	No data available	No data available
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available	No data available	No data available	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available	No data available	No data available	No data available
propane-1,2-diol	260	26	183	20000
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available	No data available	No data available	No data available
2-methyl-2H-isothiazol-3-one	-	-	-	-

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m ³)
Triethanolamine dodecylbenzenesulfonate	No data available	No data available	No data available	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available	No data available	No data available	No data available
Alcohols, C12-15, ethoxylated	No data available	No data available	No data available	No data available
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available	No data available	No data available	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available	No data available	No data available	No data available
propane-1,2-diol	572	57.2	50	-
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available	No data available	No data available	No data available
2-methyl-2H-isothiazol-3-one	-	-	-	-

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:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls: If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.

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

Personal protective equipment

Eye / face protection:

No special requirements under normal use conditions.

Hand protection:

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.

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): 0.14

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

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

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

Persil Professional Small & Mighty Bio

Colour: Opaque Turquoise**Odour:** Product specific**Odour threshold:** Not applicable**pH** ≈ 7 (neat)**Dilution pH:** ≈ 8 (0.14 %)**Melting point/freezing point (°C):** 999**Initial boiling point and boiling range (°C):** Not determined

ISO 4316

ISO 4316

Not relevant to classification of this product

See substance data

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
Triethanolamine dodecylbenzenesulfonate	No data available		
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available		
Alcohols, C12-15, ethoxylated	No data available		
3,6,9,12,15,18,21-Heptaotriacontan-1-ol	No data available		
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available		
propane-1,2-diol	185-190	Method not given	1013
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available		
2-methyl-2H-isothiazol-3-one	No data available		

Method / remark**Flammability (liquid):** Not flammable.**Flash point (°C):** Not applicable.**Sustained combustion:** Not applicable.

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

Evaporation rate: Not determined

Not relevant to classification of this product

Flammability (solid, gas): Not applicable to liquids**Upper/lower flammability limit (%):** Not determined

See substance data

Substance data, flammability or explosive limits, if available:

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

Method / remark**Vapour pressure:** Not determined

See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
Triethanolamine dodecylbenzenesulfonate	No data available		
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available		
Alcohols, C12-15, ethoxylated	No data available		
3,6,9,12,15,18,21-Heptaotriacontan-1-ol	No data available		
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available		
propane-1,2-diol	18.6	Method not given	20
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available		
2-methyl-2H-isothiazol-3-one	No data available		

Method / remark**Vapour density:** Not determined

Not relevant to classification of this product

Relative density: ≈ 1.04 (20 °C)

OECD 109 (EU A.3)

Solubility in / Miscibility with Water: Not miscible or difficult to mix

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
Triethanolamine dodecylbenzenesulfonate	No data available		
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available		
Alcohols, C12-15, ethoxylated	No data available		
3,6,9,12,15,18,21-Heptaotriacontan-1-ol	No data available		
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available		
propane-1,2-diol	Soluble	Method not given	
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available		
2-methyl-2H-isothiazol-3-one	No data available		

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

Persil Professional Small & Mighty Bio

Autoignition temperature: Not determined
Decomposition temperature: Not applicable.
Viscosity: \approx 500 mPa.s (20 °C)
Explosive properties: Not explosive.
Oxidising properties: Not oxidising.

Method / remark

DM-006 Viscosity - Standard

9.2 Other information

Surface tension (N/m): Not determined
Corrosion to metals: Not corrosive

Not relevant to classification of this product

Substance data, dissociation constant, if 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 toxicological effects**

Mixture data:.

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

Eye irritation and corrosivity**Result:** Eye irritant 2**Species:** Not applicable.**Method:** Weight of evidence

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

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Triethanolamine dodecylbenzenesulfonate		No data available	Rabbit		
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available			
Alcohols, C12-15, ethoxylated	LD ₅₀	>300 - <=2000	Rat	Method not given	
3,6,9,12,15,18,21-Heptaaxatriacontan-1-ol		No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available			
propane-1,2-diol	LD ₅₀	> 10000	Rat	Method not given	
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available			
2-methyl-2H-isothiazol-3-one	LD ₅₀	120	Rat	OECD 401 (EU B.1)	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Triethanolamine dodecylbenzenesulfonate		No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with		No data			

Persil Professional Small & Mighty Bio

triethanolamine		available			
Alcohols, C12-15, ethoxylated	LD ₅₀	>300 - <=2000	Rabbit	Method not given	
3,6,9,12,15,18,21-Heptaooxatritriacontan-1-ol		No data available			
Poly(oxy-1,2-ethanediy), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available			
propane-1,2-diol	LD ₅₀	> 2000	Rabbit	Method not given	
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available			
2-methyl-2H-isothiazol-3-one	LD ₅₀	242	Rat	OECD 402 (EU B.3)	24 hours

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Triethanolamine dodecylbenzenesulfonate		No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available			
Alcohols, C12-15, ethoxylated		No data available			
3,6,9,12,15,18,21-Heptaooxatritriacontan-1-ol		No data available			
Poly(oxy-1,2-ethanediy), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available			
propane-1,2-diol	LC ₅₀	> 317 (mist) No mortality observed	Rabbit	Non guideline test	
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available			
2-methyl-2H-isothiazol-3-one	LC ₅₀	(mist) 0.11	Rat	OECD 403 (EU B.2)	4 hours

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Triethanolamine dodecylbenzenesulfonate	No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available			
Alcohols, C12-15, ethoxylated	Mild irritant			
3,6,9,12,15,18,21-Heptaooxatritriacontan-1-ol	No data available			
Poly(oxy-1,2-ethanediy), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available			
propane-1,2-diol	Not irritant	Rabbit	OECD 404 (EU B.4)	
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available			
2-methyl-2H-isothiazol-3-one	Corrosive			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Triethanolamine dodecylbenzenesulfonate	No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available			
Alcohols, C12-15, ethoxylated	Severe damage			
3,6,9,12,15,18,21-Heptaooxatritriacontan-1-ol	No data available			
Poly(oxy-1,2-ethanediy), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available			
propane-1,2-diol	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available			
2-methyl-2H-isothiazol-3-one	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Triethanolamine dodecylbenzenesulfonate	No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available			
Alcohols, C12-15, ethoxylated	No data available			
3,6,9,12,15,18,21-Heptaooxatritriacontan-1-ol	No data available			
Poly(oxy-1,2-ethanediy), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available			
propane-1,2-diol	No data available			
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available			
2-methyl-2H-isothiazol-3-one	No data available			

Persil Professional Small & Mighty Bio

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Triethanolamine dodecylbenzenesulfonate	No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available			
Alcohols, C12-15, ethoxylated	No data available			
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available			
propane-1,2-diol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available			
2-methyl-2H-isothiazol-3-one	Sensitising	Guinea pig		

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Triethanolamine dodecylbenzenesulfonate	No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available			
Alcohols, C12-15, ethoxylated	No data available			
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available			
propane-1,2-diol	No data available			
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available			
2-methyl-2H-isothiazol-3-one	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)
Triethanolamine dodecylbenzenesulfonate	No data available		No data available	
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available		No data available	
Alcohols, C12-15, ethoxylated	No data available		No data available	
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available		No data available	
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available		No data available	
propane-1,2-diol	No evidence for mutagenicity, negative test results	Method not given	No data available	
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available		No data available	
2-methyl-2H-isothiazol-3-one	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	

Carcinogenicity

Ingredient(s)	Effect
Triethanolamine dodecylbenzenesulfonate	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available
Alcohols, C12-15, ethoxylated	No data available
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available
propane-1,2-diol	No evidence for carcinogenicity, negative test results
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available
2-methyl-2H-isothiazol-3-one	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
Triethanolamine dodecylbenzenesulfonate			No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine			No data available				
Alcohols, C12-15, ethoxylated			No data available				
3,6,9,12,15,18,21-Heptaoxatritriacontan-1-ol			No data available				
Poly(oxy-1,2-ethanediyl)			No data				

Persil Professional Small & Mighty Bio

), .alpha.-sulfo-.omega.-h ydroxy-, C12-14-alkyl ethers, sodium salts			available				
propane-1,2-diol			No data available				No evidence for reproductive toxicity
tetrasodium (1-hydroxy ethylidene)bisphosphon ate			No data available				
2-methyl-2H-isothiazol- 3-one			No data available				

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
Triethanolamine dodecylbenzenesulfonate		No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available				
Alcohols, C12-15, ethoxylated		No data available				
3,6,9,12,15,18,21-Heptaooxatriacontan-1-ol		No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available				
propane-1,2-diol		No data available				
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available				
2-methyl-2H-isothiazol-3-one		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
Triethanolamine dodecylbenzenesulfonate		No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available				
Alcohols, C12-15, ethoxylated		No data available				
3,6,9,12,15,18,21-Heptaooxatriacontan-1-ol		No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available				
propane-1,2-diol		No data available				
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available				
2-methyl-2H-isothiazol-3-one		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
Triethanolamine dodecylbenzenesulfonate		No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available				
Alcohols, C12-15, ethoxylated		No data available				
3,6,9,12,15,18,21-Heptaooxatriacontan-1-ol		No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available				
propane-1,2-diol		No data available				
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available				
2-methyl-2H-isothiazol-3-one		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
---------------	-------------------	----------	-----------------------	---------	--------	------------------	---	--------

Persil Professional Small & Mighty Bio

Triethanolamine dodecylbenzenesulfonate			No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine			No data available				
Alcohols, C12-15, ethoxylated			No data available				
3,6,9,12,15,18,21-Heptaaoxatritriacontan-1-ol			No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts			No data available				
propane-1,2-diol			No data available				
tetrasodium (1-hydroxy ethylidene)bisphosphonate			No data available				
2-methyl-2H-isothiazol-3-one			No data available				

STOT-single exposure

Ingredient(s)	Affected organ(s)
Triethanolamine dodecylbenzenesulfonate	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available
Alcohols, C12-15, ethoxylated	No data available
3,6,9,12,15,18,21-Heptaaoxatritriacontan-1-ol	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available
propane-1,2-diol	No data available
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available
2-methyl-2H-isothiazol-3-one	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Triethanolamine dodecylbenzenesulfonate	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available
Alcohols, C12-15, ethoxylated	No data available
3,6,9,12,15,18,21-Heptaaoxatritriacontan-1-ol	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available
propane-1,2-diol	No data available
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available
2-methyl-2H-isothiazol-3-one	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.

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)
Triethanolamine dodecylbenzenesulfonate		No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available			
Alcohols, C12-15, ethoxylated	LC ₅₀	10	Fish	Method not given	
3,6,9,12,15,18,21-Heptaaoxatritriacontan-1-ol		No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers,		No data			

Persil Professional Small & Mighty Bio

sodium salts		available			
propane-1,2-diol	LC ₅₀	> 1000	Fish	Method not given	24
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available			
2-methyl-2H-isothiazol-3-one		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Triethanolamine dodecylbenzenesulfonate		No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available			
Alcohols, C12-15, ethoxylated	EC ₅₀	10		Method not given	
3,6,9,12,15,18,21-Heptaooxatritriacontan-1-ol		No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo.-omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available			
propane-1,2-diol	EC ₅₀	> 100	<i>Daphnia</i>	Method not given	48
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available			
2-methyl-2H-isothiazol-3-one		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Triethanolamine dodecylbenzenesulfonate		No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available			
Alcohols, C12-15, ethoxylated	EC ₅₀	10		Method not given	
3,6,9,12,15,18,21-Heptaooxatritriacontan-1-ol		No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo.-omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available			
propane-1,2-diol	EC ₅₀	24200	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available			
2-methyl-2H-isothiazol-3-one		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Triethanolamine dodecylbenzenesulfonate		No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available			
Alcohols, C12-15, ethoxylated		No data available			
3,6,9,12,15,18,21-Heptaooxatritriacontan-1-ol		No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo.-omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available			
propane-1,2-diol		No data available			-
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available			
2-methyl-2H-isothiazol-3-one		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Triethanolamine dodecylbenzenesulfonate		No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available			
Alcohols, C12-15, ethoxylated		No data available			
3,6,9,12,15,18,21-Heptaooxatritriacontan-1-ol		No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo.-omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available			
propane-1,2-diol	EC ₀	> 20000	<i>Pseudomonas</i>	Method not given	18 hour(s)

Persil Professional Small & Mighty Bio

			<i>putida</i>		
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available			
2-methyl-2H-isothiazol-3-one	EC ₂₀	2.8	<i>Activated sludge</i>	OECD 209	3 hour(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Triethanolamine dodecylbenzenesulfonate		No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available				
Alcohols, C12-15, ethoxylated	NOEC	> 0.1 - <= 1.0		Method not given		
3,6,9,12,15,18,21-Heptaoxatriacontan-1-ol		No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available				
propane-1,2-diol		No data available				
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available				
2-methyl-2H-isothiazol-3-one		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Triethanolamine dodecylbenzenesulfonate		No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available				
Alcohols, C12-15, ethoxylated	NOEC	> 0.1 - <= 1.0		Method not given		
3,6,9,12,15,18,21-Heptaoxatriacontan-1-ol		No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available				
propane-1,2-diol	NOEC	13020	<i>Ceriodaphnia dubia</i>	Method not given	7 day(s)	
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available				
2-methyl-2H-isothiazol-3-one		No data available				

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
Triethanolamine dodecylbenzenesulfonate		No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine		No data available				
Alcohols, C12-15, ethoxylated	EC ₅₀	No data available				
3,6,9,12,15,18,21-Heptaoxatriacontan-1-ol		No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts		No data available				
propane-1,2-diol		No data available			-	
tetrasodium (1-hydroxy ethylidene)bisphosphonate		No data available				
2-methyl-2H-isothiazol-3-one		No data available				

Terrestrial toxicity

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

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propane-1,2-diol		No data available			-	

Persil Professional Small & Mighty Bio

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propane-1,2-diol		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
propane-1,2-diol		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propane-1,2-diol		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propane-1,2-diol		No data 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:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
Triethanolamine dodecylbenzenesulfonate	Activated sludge, aerobe		69%	OECD 301B	Readily biodegradable
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine					Readily biodegradable
Alcohols, C12-15, ethoxylated				OECD 301B	Readily biodegradable
3,6,9,12,15,18,21-Heptaaxatritriacontan-1-ol		Method not given		Method not given	Not readily biodegradable.
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts				OECD 301D	Readily biodegradable
propane-1,2-diol			> 70 % in 28 day(s)	OECD 301A	Readily biodegradable
tetrasodium (1-hydroxy ethylidene)bisphosphonate				Weight of evidence	Not readily biodegradable.
2-methyl-2H-isothiazol-3-one					Not readily biodegradable.

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

Ingredient(s)	Medium & Type	Analytical method	DT ₅₀	Method	Evaluation
2-methyl-2H-isothiazol-3-one	Surface water (fresh)	Mineralisation rate	> 50 % in 4 day(s)	OECD 309	Biodegradable

12.3 Bioaccumulative potentialPartition coefficient n-octanol/water (log K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
Triethanolamine dodecylbenzenesulfonate	No data available			
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available			
Alcohols, C12-15, ethoxylated	No data available			
3,6,9,12,15,18,21-Heptaaxatritriacontan-1-ol	No data available			

Persil Professional Small & Mighty Bio

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available			
propane-1,2-diol	-1.07	Method not given	No bioaccumulation expected	
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available			
2-methyl-2H-isothiazol-3-one	-0.32	OECD 107	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Triethanolamine dodecylbenzenesulfonate	No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available				
Alcohols, C12-15, ethoxylated	No data available				
3,6,9,12,15,18,21-Heptaoxatriacontan-1-ol	No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available				
propane-1,2-diol	No data available				
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available				
2-methyl-2H-isothiazol-3-one	3.16		OECD 305		

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
Triethanolamine dodecylbenzenesulfonate	No data available				
Benzenesulfonic acid, C10-13-alkyl derivatives, compounds with triethanolamine	No data available				
Alcohols, C12-15, ethoxylated	No data available				
3,6,9,12,15,18,21-Heptaoxatriacontan-1-ol	No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts	No data available				
propane-1,2-diol	No data available				Potential for mobility in soil, soluble in water
tetrasodium (1-hydroxy ethylidene)bisphosphonate	No data available				
2-methyl-2H-isothiazol-3-one	No data available				

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 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products:

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.

European Waste Catalogue:

20 01 29* - detergents containing dangerous substances.

Empty packaging

Recommendation:

Dispose of observing national or local regulations.

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

14.1 UN number: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods

Persil Professional Small & Mighty Bio

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 Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-dangerous goods

SECTION 15: Regulatory information

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

EU regulations:

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 648/2004 - Detergents regulation

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

UFI: GX6F-G188-X00U-4RT8

Ingredients according to EC Detergents Regulation 648/2004

anionic surfactants	15 - 30 %
non-ionic surfactants	5 - 15 %
phosphonates, soap, polycarboxylates	< 5 %
perfumes, optical brighteners, enzymes, Geraniol, Octylisothiazolinone, Methylisothiazolinone, Citronellol	

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.

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: MS1004983

Version: 01.0

Revision: 2020-10-11

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.

Full text of the H and EUH phrases mentioned in section 3:

- H301 - Toxic if swallowed.
- H302 - Harmful if swallowed.
- H311 - Toxic in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H330 - Fatal if inhaled.
- H335 - May cause respiratory irritation.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration

Persil Professional Small & Mighty Bio

- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate
- LD50 - Lethal Dose, 50% / Median Lethal dose
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- EC50 - effective concentration, 50%
- NOEL - No observed effect level
- NOAEL - No observed adverse effect level
- OECD - Organization for Economic Cooperation and Development

End of Safety Data Sheet