Safety Data Sheet

According to Regulation (EC) No 1907/2006

Omo Active Clean 3 in 1 Professional Capsules

Revision: 2025-01-28 **Version:** 01.0

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

1.1 Product identifier

Trade name: Omo Active Clean 3 in 1 Professional Capsules

Omo 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

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_19_1
PC35-Washing and cleaning products

Toimialakoodi (TOL):
I 55 - Majoitus
Use category (UC62):
9 - Puhdistus- ja pesuaineet

1.3 Details of the supplier of the safety data sheet

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

Contact details
Diversey Suomi Oy
Lemminkäisenkatu 46, 20520 Turku, PL 311, 20101 Turku, Puhelin: 020 7474 220
E-mail: myynti@solenis.com, Y-tunnus: 2451321-4

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible).
Myrkytystietokeskus HUS puh (09) 471 977.

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.

Contains subtilisin (Subtilisin), 4-tert-butylcyclohexyl acetate (4-tert-butylcyclohexyl acetate)

Hazard statements:
H315 + H319 - Causes skin and serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.
EUH208 - May produce an allergic reaction.

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
Concentrated enzymatic liquid products are dust free preparations. However, inappropriate handling may cause formation of dust or aerosols which may induce sensitization and may cause allergic reactions in sensitized individuals.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
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)		20-30
alkyl alcohol ethoxylate	[4]	68213-23-0	[4]	Acute toxicity - Oral, Category 4 (H302) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)		10-20
fatty acids, C12-18, compds. with ethanolamine	292-921-1	-	-	Serious eye damage, Category 1 (H318)		3-10
alcohols, C12-14, ethoxylated, sulphates, sodium salts	500-234-8	68891-38-3	01-2119488639-16	Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)		3-10
subtilisin	232-752-2	9014-01-1	01-2119480434-38	Acute toxicity - Oral, Category 4 (H302) Specific target organ toxicity - Single exposure, Category 3 (H335) Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Respiratory sensitisation, Category 1 (H334) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 2 (H411)		0.1-1
diphenyl ether	202-981-2	101-84-8	01-2119472545-33	Eye irritation, Category 2 (H319) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 3 (H412)		0.1-1
4-tert-butylcyclohexyl acetate	250-954-9	32210-23-4	01-2119976286-24	Skin sensitisation, Sub-category 1B (H317) Chronic aquatic toxicity, Category 2 (H411)		0.1-1

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. 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: Inappropriate handling may cause formation of dust or aerosols which may induce sensitization and may cause allergic reactions in sensitized individuals.
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. Warning: concentrated enzymatic product. Spillages should be removed immediately to avoid formation of dust from dried product. Use a cloth wetted with a chlorine bleach to clean up product spillage. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (do not remove product spillage in procedures likely to give rise to aerosols).

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 to prevent aerosol and dust generation:
Do not apply via trigger spray or other device which creates aerosols.

Measures required to protect the environment:
For environmental exposure controls see subsection 8.2.

Advice 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. Wash 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)	Long term value(s)	Short term value(s)	Ceiling value(s)
diphenyl ether	1 ppm 7 mg/m³	2 ppm 14 mg/m³	

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
monoethanolamine alkylbenzenesulphonate	-	-	-	0.85
alkyl alcohol ethoxylate	-	-	-	-

fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	-	-	-	15
subtilisin	-	3.6	-	1.8
diphenyl ether	No data available	No data available	No data available	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available

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)
monoethanolamine alkylbenzenesulphonate	No data available	-	12 mg/kg bw	170
alkyl alcohol ethoxylate	-	-	-	-
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	-	-	-	2750
subtilisin	0.2 %	-	-	-
diphenyl ether	No data available	No data available	No data available	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available

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)
monoethanolamine alkylbenzenesulphonate	No data available	-	No data available	85
alkyl alcohol ethoxylate	-	-	-	-
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	-	-	-	1650
subtilisin	0.2 %	-	-	-
diphenyl ether	No data available	No data available	No data available	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available

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
monoethanolamine alkylbenzenesulphonate	-	-	12	-
alkyl alcohol ethoxylate	-	-	-	-
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	-	-	-	175
subtilisin	-	-	0.00006	-
diphenyl ether	No data available	No data available	No data available	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available

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
monoethanolamine alkylbenzenesulphonate	-	-	3	3
alkyl alcohol ethoxylate	-	-	-	-
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	-	-	-	52
subtilisin	-	-	0.000015	-
diphenyl ether	No data available	No data available	No data available	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available

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)
monoethanolamine alkylbenzenesulphonate	0.268	0.0268	0.0167	-
alkyl alcohol ethoxylate	-	-	-	-
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	0.24	0.024	0.071	10000
subtilisin	0.00006	0.000006	-	65
diphenyl ether	No data available	No data available	No data available	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
monoethanolamine alkylbenzenesulphonate	8.1	8.1	35	-
alkyl alcohol ethoxylate	-	-	-	-
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	5.45	0.545	0.946	-

subtilisin	-	-	-	-
diphenyl ether	No data available	No data available	No data available	No data available
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available

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).
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.
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): 0.12

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
Manual application	AISE_SWED_PW_19_1	PW	PROC 19	480	ERC8a

Personal protective equipment
Eye / face protection: No special requirements under normal use conditions.
Hand protection: Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
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: Opaque , Blue
Odour: Product specific
Odour threshold: Not applicable
Melting point/freezing point (°C): Not determined — N.A.
Initial boiling point and boiling range (°C): Not determined — See substance data

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
monoethanolamine alkylbenzenesulphonate	No data available		
alkyl alcohol ethoxylate	> 250		
fatty acids, C12-18, compds. with ethanolamine	No data available		
alcohols, C12-14, ethoxylated, sulphates, sodium salts	> 100	Method not given	
subtilisin	No data available		
diphenyl ether	No data available		
4-tert-butylcyclohexyl acetate	No data available		

Method / remark

Flammability (solid, gas): Not applicable to liquids
Flammability (liquid): Not flammable.
Flash point (°C): Not determined
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)
subtilisin	-	-

Method / remark

Autoignition temperature: Not determined — N.A
Decomposition temperature: Not applicable.
pH: Not applicable — ISO 4316
Dilution pH: ≈ 9 (0.12 %) — ISO 4316
Kinematic viscosity: Not determined
Solubility in / Miscibility with water: Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
monoethanolamine alkylbenzenesulphonate	No data available		
alkyl alcohol ethoxylate	No data available		
fatty acids, C12-18, compds. with ethanolamine	No data available		
alcohols, C12-14, ethoxylated, sulphates, sodium salts	280 Soluble	Method not given	20
subtilisin	No data available		
diphenyl ether	No data available		
4-tert-butylcyclohexyl acetate	No data available		

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

Method / remark

Vapour pressure: Not determined — See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
monoethanolamine alkylbenzenesulphonate	No data available		
alkyl alcohol ethoxylate	< 10		
fatty acids, C12-18, compds. with ethanolamine	No data available		
alcohols, C12-14, ethoxylated, sulphates, sodium salts	No data available		
subtilisin	Not applicable		
diphenyl ether	No data available		
4-tert-butylcyclohexyl acetate	No data available		

Method / remark

Relative density: ≈ 1.09 (20 °C) — OECD 109 (EU A.3)
Relative vapour density: No data available. — Not relevant to classification of this product
Particle characteristics: No data available. — Not applicable to liquids.

9.2 Other information
9.2.1 Information with regard to physical hazard classes
Explosive properties: Not explosive. N.A
Oxidising properties: Not oxidising. N.A.
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: .

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)	ATE Oral (mg/kg)
monoethanolamine alkylbenzenesulphonate	LD_{50}	1515	Rat	Method not given		1515
alkyl alcohol ethoxylate	LD_{50}	1000	Rat	Method not given		1000
fatty acids, C12-18, compds. with ethanolamine	LD_{50}	> 2000		Method not given		Not established
alcohols, C12-14, ethoxylated, sulphates, sodium salts	LD_{50}	> 2000	Rat	OECD 401 (EU B.1)		Not established
subtilisin	LD_{50}	1800	Rat	OECD 401 (EU B.1)		1800
diphenyl ether		No data available				Not established
4-tert-butylcyclohexyl acetate		3370	Rat	Method not given		Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
monoethanolamine alkylbenzenesulphonate	LD_{50}	2504	Rabbit	Method not given		Not established
alkyl alcohol ethoxylate	LD_{50}	> 2000		Method not given		Not established
fatty acids, C12-18, compds. with ethanolamine	LD_{50}	> 2000		Method not given		Not established
alcohols, C12-14, ethoxylated, sulphates, sodium salts	LD_{50}	> 2000	Rat	OECD 402 (EU B.3)		Not established
subtilisin		No data available				Not established
diphenyl ether		No data available				Not established
4-tert-butylcyclohexyl acetate		No data				Not established

		available				

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
monoethanolamine alkylbenzenesulphonate	LC_{50}	> 5		Method not given	4
alkyl alcohol ethoxylate	LC_{50}	> 5		Method not given	4
fatty acids, C12-18, compds. with ethanolamine		No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts		5.71			
subtilisin		-		Weight of evidence	
diphenyl ether		No data available			
4-tert-butylcyclohexyl acetate		No data available			

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)
monoethanolamine alkylbenzenesulphonate	Not established	Not established	Not established	Not established
alkyl alcohol ethoxylate	Not established	Not established	Not established	Not established
fatty acids, C12-18, compds. with ethanolamine	Not established	Not established	Not established	Not established
alcohols, C12-14, ethoxylated, sulphates, sodium salts	Not established	Not established	Not established	Not established
subtilisin	Not established	Not established	Not established	Not established
diphenyl ether	Not established	Not established	Not established	Not established
4-tert-butylcyclohexyl acetate	Not established	Not established	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
monoethanolamine alkylbenzenesulphonate	No data available			
alkyl alcohol ethoxylate	Not irritant		OECD 404 (EU B.4)	
fatty acids, C12-18, compds. with ethanolamine	No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	Irritant	Rabbit	OECD 404 (EU B.4)	
subtilisin	Mild irritant	Rabbit	OECD 404 (EU B.4)	
diphenyl ether	No data available			
4-tert-butylcyclohexyl acetate	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
monoethanolamine alkylbenzenesulphonate	No data available			
alkyl alcohol ethoxylate	Severe damage		OECD 405 (EU B.5)	
fatty acids, C12-18, compds. with ethanolamine	No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	Severe damage	Rabbit	OECD 405 (EU B.5)	
subtilisin	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
diphenyl ether	No data available			
4-tert-butylcyclohexyl acetate	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
monoethanolamine alkylbenzenesulphonate	No data available			
alkyl alcohol ethoxylate	No data available			
fatty acids, C12-18, compds. with ethanolamine	No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	No data available			
subtilisin	Irritating to respiratory tract			
diphenyl ether	No data available			
4-tert-butylcyclohexyl acetate	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
monoethanolamine alkylbenzenesulphonate	No data available			
alkyl alcohol ethoxylate	No data available			
fatty acids, C12-18, compds. with ethanolamine	No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	

subtilisin	No data available			
diphenyl ether	No data available			
4-tert-butylcyclohexyl acetate	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
monoethanolamine alkylbenzenesulphonate	No data available			
alkyl alcohol ethoxylate	No data available			
fatty acids, C12-18, compds. with ethanolamine	No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	No data available			
subtilisin	Sensitising		Weight of evidence	
diphenyl ether	No data available			
4-tert-butylcyclohexyl acetate	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)
monoethanolamine alkylbenzenesulphonate	No data available		No data available	
alkyl alcohol ethoxylate	No evidence for mutagenicity	Read across	No data available	
fatty acids, C12-18, compds. with ethanolamine	No data available		No data available	
alcohols, C12-14, ethoxylated, sulphates, sodium salts	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 476	No evidence for mutagenicity, negative test results	OECD 475 (EU B.11)
subtilisin	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 473 OECD 476 (Chinese Hamster Ovary)	No data available	
diphenyl ether	No data available		No data available	
4-tert-butylcyclohexyl acetate	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
monoethanolamine alkylbenzenesulphonate	No data available
alkyl alcohol ethoxylate	No data available
fatty acids, C12-18, compds. with ethanolamine	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	No evidence for carcinogenicity, weight-of-evidence
subtilisin	No data available
diphenyl ether	No data available
4-tert-butylcyclohexyl acetate	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
monoethanolamine alkylbenzenesulphonate			No data available				
alkyl alcohol ethoxylate			No data available				
fatty acids, C12-18, compds. with ethanolamine			No data available				
alcohols, C12-14, ethoxylated, sulphates, sodium salts	NOAEL	Developmental toxicity	> 1000	Rat	OECD 414 (EU B.31), oral		No evidence for reproductive toxicity
subtilisin			No data available				
diphenyl ether			No data available				
4-tert-butylcyclohexyl acetate			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
monoethanolamine alkylbenzenesulphonate		No data available				
alkyl alcohol ethoxylate		No data available				

fatty acids, C12-18, compds. with ethanolamine		No data available				
alcohols, C12-14, ethoxylated, sulphates, sodium salts	NOAEL	> 225		OECD 408 (EU B.26)	90	
subtilisin		No data available				
diphenyl ether		No data available				
4-tert-butylcyclohexyl acetate		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
monoethanolamine alkylbenzenesulphonate		No data available				
alkyl alcohol ethoxylate		No data available				
fatty acids, C12-18, compds. with ethanolamine		No data available				
alcohols, C12-14, ethoxylated, sulphates, sodium salts		No data available				
subtilisin		No data available				
diphenyl ether		No data available				
4-tert-butylcyclohexyl acetate		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
monoethanolamine alkylbenzenesulphonate		No data available				
alkyl alcohol ethoxylate		No data available				
fatty acids, C12-18, compds. with ethanolamine		No data available				
alcohols, C12-14, ethoxylated, sulphates, sodium salts		No data available				
subtilisin		No data available				
diphenyl ether		No data available				
4-tert-butylcyclohexyl acetate		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
monoethanolamine alkylbenzenesulphonate			No data available					
alkyl alcohol ethoxylate			No data available					
fatty acids, C12-18, compds. with ethanolamine			No data available					
alcohols, C12-14, ethoxylated, sulphates, sodium salts			No data available					
subtilisin			No data available					
diphenyl ether			No data available					
4-tert-butylcyclohexyl acetate			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
monoethanolamine alkylbenzenesulphonate	No data available
alkyl alcohol ethoxylate	No data available
fatty acids, C12-18, compds. with ethanolamine	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	No data available
subtilisin	Respiratory tract
diphenyl ether	No data available
4-tert-butylcyclohexyl acetate	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
monoethanolamine alkylbenzenesulphonate	No data available
alkyl alcohol ethoxylate	No data available
fatty acids, C12-18, compds. with ethanolamine	No data available
alcohols, C12-14, ethoxylated, sulphates, sodium salts	No data available
subtilisin	No data available
diphenyl ether	No data available
4-tert-butylcyclohexyl acetate	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.

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)
monoethanolamine alkylbenzenesulphonate	LC_{50}	2.22	*Pimephales promelas*	OECD 203, semi-static	96
alkyl alcohol ethoxylate	LC_{50}	> 1 - =< 10	*Fish*	ISO 7346	
fatty acids, C12-18, compds. with ethanolamine		No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	LC_{50}	7.1	*Fish*	OECD 203 (EU C.1)	96
subtilisin	LC_{50}	8.2	*Fish*	OECD 203 (EU C.1)	96
diphenyl ether		No data available			
4-tert-butylcyclohexyl acetate		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
monoethanolamine alkylbenzenesulphonate		No data available			
alkyl alcohol ethoxylate	EC_{50}	> 1 - =< 10	*Daphnia*	OECD 202 (EU C.2)	
fatty acids, C12-18, compds. with ethanolamine		No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	EC_{50}	7.4	*Daphnia magna Straus*	OECD 202 (EU C.2)	48
subtilisin	EC_{50}	0.586	*Daphnia*	OECD 202 (EU C.2)	48
diphenyl ether		No data available			
4-tert-butylcyclohexyl acetate		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
monoethanolamine alkylbenzenesulphonate		No data available			
alkyl alcohol ethoxylate	EC_{50}	> 1 - =< 10	*Not specified*	OECD 201 (EU C.3) DIN 38412, Part 9	
fatty acids, C12-18, compds. with ethanolamine		No data			

		available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	EC_{50}	10 - 100	*Pseudokirchneriella subcapitata*	OECD 201 (EU C.3)	72
subtilisin	$E_r C_{50}$	0.830	*Not specified*	OECD 201 (EU C.3)	72
diphenyl ether		No data available			
4-tert-butylcyclohexyl acetate		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
monoethanolamine alkylbenzenesulphonate		No data available			
alkyl alcohol ethoxylate		No data available			
fatty acids, C12-18, compds. with ethanolamine		No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts		No data available			
subtilisin		No data available			
diphenyl ether		No data available			
4-tert-butylcyclohexyl acetate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
monoethanolamine alkylbenzenesulphonate		No data available			
alkyl alcohol ethoxylate	EC_0	> 100	*Bacteria*	DIN 38412 / Part 8	
fatty acids, C12-18, compds. with ethanolamine		No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	EC_0	> 100		DIN 38412, Part 27	
subtilisin		No data available			
diphenyl ether		No data available			
4-tert-butylcyclohexyl acetate		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
monoethanolamine alkylbenzenesulphonate		No data available				
alkyl alcohol ethoxylate		No data available				
fatty acids, C12-18, compds. with ethanolamine		No data available				
alcohols, C12-14, ethoxylated, sulphates, sodium salts	NOEC	1 - 10	*Not specified*	OECD 203	45 day(s)	
subtilisin		No data available				
diphenyl ether		No data available				
4-tert-butylcyclohexyl acetate		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
monoethanolamine alkylbenzenesulphonate		No data available				
alkyl alcohol ethoxylate		No data available				
fatty acids, C12-18, compds. with ethanolamine		No data available				
alcohols, C12-14, ethoxylated, sulphates, sodium salts	NOEC	0.27	*Daphnia sp.*	OECD 211	21 day(s)	
subtilisin		No data available				
diphenyl ether		No data available				
4-tert-butylcyclohexyl acetate		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
monoethanolamine alkylbenzenesulphonate		No data available				
alkyl alcohol ethoxylate		No data available				
fatty acids, C12-18, compds. with ethanolamine		No data available				
alcohols, C12-14, ethoxylated, sulphates, sodium salts		No data available				
subtilisin		No data available				
diphenyl ether		No data available				
4-tert-butylcyclohexyl acetate		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:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT_{50}	Method	Evaluation
monoethanolamine alkylbenzenesulphonate	Activated sludge, aerobe	CO_2 production	89% in 29 day(s)	OECD 301B	Readily biodegradable
alkyl alcohol ethoxylate	Activated sludge, aerobe	BOD removal	> 60 % in 30 day(s)	OECD 301D	Readily biodegradable
fatty acids, C12-18, compds. with ethanolamine	Adapted activated sludge		> 90% in 28 day(s)		Readily biodegradable
alcohols, C12-14, ethoxylated, sulphates, sodium salts		CO_2 production	77-79 % in 28 day(s)	OECD 301D	Readily biodegradable
subtilisin				OECD 301B	Readily biodegradable
diphenyl ether				OECD 301C	Not readily biodegradable.
4-tert-butylcyclohexyl acetate				OECD 301B	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
monoethanolamine alkylbenzenesulphonate	No data available			
alkyl alcohol ethoxylate	-		No bioaccumulation expected	
fatty acids, C12-18, compds. with ethanolamine	No data available			
alcohols, C12-14, ethoxylated, sulphates, sodium salts	0.3	Method not given	No bioaccumulation expected	
subtilisin	< 0			
diphenyl ether	No data available			

4-tert-butylcyclohexyl acetate	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
monoethanolamine alkylbenzenesulphonate	No data available				
alkyl alcohol ethoxylate	No data available				
fatty acids, C12-18, compds. with ethanolamine	No data available				
alcohols, C12-14, ethoxylated, sulphates, sodium salts	< 3		Method not given	No bioaccumulation expected	
subtilisin	-			Not relevant, does not bioaccumulate	
diphenyl ether	No data available				
4-tert-butylcyclohexyl acetate	No data available				

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
monoethanolamine alkylbenzenesulphonate	No data available				
alkyl alcohol ethoxylate	No data available				
fatty acids, C12-18, compds. with ethanolamine	No data available				
alcohols, C12-14, ethoxylated, sulphates, sodium salts	No data available				
subtilisin	No data available				
diphenyl ether	No data available				
4-tert-butylcyclohexyl acetate	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 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: 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.

Suitable cleaning agents: 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

EU regulations:
• Regulation (EC) No. 1907/2006 - REACH
• Regulation (EC) No 1272/2008 - CLP
• Regulation (EC) No. 648/2004 - Detergents regulation
• substances identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605
• 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 EC Detergents Regulation 648/2004

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

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.

Seveso - 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

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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
• 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.
• H317 - May cause an allergic skin reaction.
• H318 - Causes serious eye damage.
• H319 - Causes serious eye irritation.
• H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
• H335 - May cause respiratory irritation.
• H400 - Very toxic to aquatic life.
• H411 - Toxic to aquatic life with long lasting effects.
• H412 - Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet