

Clax Elegant 30A1 (Clax Elegant 3CL2)

Revision: 2017-03-20

Version: 14.1

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

1.1 Product identifier

Trade name: Clax Elegant 30A1 (Clax Elegant 3CL2)

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

Identified uses:

For professional and industrial use only.

AISE-P101 - Laundry detergent. Automatic process

AISE-P113 - Prespotter/Stain remover. Manual process

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

1.3 Details of the supplier of the safety data sheet

Contact details

Diversey Ltd

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: customerservice.uk@sealedair.com

1.4 Emergency telephone number

For medical or environmental emergency only:

call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Irrit. 2 (H315)

Eye Dam. 1 (H318)

Aquatic Chronic 3 (H412)

2.2 Label elements



Signal word: Danger.

Contains benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine (MEA-Dodecylbenzenesulfonate), alkyl alcohol ethoxylate (C13-15 Pareth-7).

Hazard statements:

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P280 - Wear eye or face protection.

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

P310 - Immediately call a POISON CENTRE, doctor or physician.

2.3 Other hazards

No other hazards known

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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
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	287-335-8	85480-55-3	[1]	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)		10-20
alkyl alcohol ethoxylate	Polymer*	64425-86-1	[4]	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Acute 1 (H400)		3-10
propane-1,2-diol	200-338-0	57-55-6	01-2119456809-23	Not classified		3-10
alkyl alcohol ethoxylate	Polymer*	64425-86-1	[4]	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)		1-3
2-aminoethanol	205-483-3	141-43-5	01-2119486455-28	Skin Corr. 1B (H314) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) STOT SE 3 (H335) Aquatic Chronic 3 (H412)		1-3

* Polymer.

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

[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.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[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. Take off immediately all contaminated clothing and wash it before re-use. 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. Immediately call a POISON CENTRE, doctor or physician.

Ingestion:

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:

No known effects or symptoms in normal use.

Skin contact:

Causes irritation.

Eye contact:

Causes severe or permanent damage.

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

Wear eye/face protection.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform

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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

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

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:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Sealed Air. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Use personal protective equipment as required. Avoid contact with eyes. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Keep only in original container. Store in a closed container.

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
2-aminoethanol	1 ppm 2.5 mg/m ³	3 ppm 7.6 mg/m ³

Biological limit values, 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
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
propane-1,2-diol	-	-	-	-
alkyl alcohol ethoxylate	-	-	-	-
2-aminoethanol	-	-	-	3.75

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)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
propane-1,2-diol	No data available	-	No data available	-
alkyl alcohol ethoxylate	-	-	-	-
2-aminoethanol	No data available	-	No data available	1

DNEL dermal exposure - Consumer

Ingredient(s)	Short term - Local	Short term - Systemic	Long term - Local	Long term - Systemic
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	effects	effects (mg/kg bw)	effects	effects (mg/kg bw)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
propane-1,2-diol	No data available	-	No data available	-
alkyl alcohol ethoxylate	-	-	-	-
2-aminoethanol	No data available	-	No data available	0.24

DNEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
propane-1,2-diol	-	-	10	168
alkyl alcohol ethoxylate	-	-	-	-
2-aminoethanol	-	-	3.3	3.3

DNEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
propane-1,2-diol	-	-	10	50
alkyl alcohol ethoxylate	-	-	-	-
2-aminoethanol	-	-	2	2

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)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
propane-1,2-diol	260	26	183	20000
alkyl alcohol ethoxylate	-	-	-	-
2-aminoethanol	0.085	0.0085	0.025	100

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m ³)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
propane-1,2-diol	572	57.2	50	-
alkyl alcohol ethoxylate	-	-	-	-
2-aminoethanol	0.425	0.0425	0.035	0.025

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:

Avoid direct contact and/or splashes where possible Train personnel

Personal protective equipment

Eye / face protection:

Safety glasses or goggles (EN 166).

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.

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

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 0.4

Appropriate engineering controls: No special requirements under normal use conditions. Provide a good standard of general ventilation.

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: 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, Medium Blue	
Odour: Slightly perfumed	
Odour threshold: Not applicable	
pH: $\approx$ 9 (neat)	ISO 4316
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	See substance data

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available		
alkyl alcohol ethoxylate	No data available		
propane-1,2-diol	185-190	Method not given	1013
alkyl alcohol ethoxylate	No data available		
2-aminoethanol	169-171	Method not given	1013

	Method / remark
Flash point (°C): $\approx$ 70	closed cup
Sustained combustion: Not applicable.	
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
2-aminoethanol	3.4	27

	Method / remark
Vapour pressure: Not determined	See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available		
alkyl alcohol ethoxylate	No data available		
propane-1,2-diol	18.6	Method not given	20
alkyl alcohol ethoxylate	< 10		20
2-aminoethanol	50	Method not given	20

	Method / remark
Vapour density: Not determined	Not relevant to classification of this product
Relative density: $\approx$ 1.07 (20 °C)	OECD 109 (EU A.3)
Solubility in / Miscibility with Water: Fully miscible	

Substance data, solubility in water

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Ingredient(s)	Value (g/l)	Method	Temperature (°C)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available		
alkyl alcohol ethoxylate	No data available		
propane-1,2-diol	Soluble	Method not given	
alkyl alcohol ethoxylate	Insoluble	Method not given	
2-aminoethanol	1000	Method not given	20

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

Method / remark

Autoignition temperature: Not determined
Decomposition temperature: Not applicable.
Viscosity: ≈ 200 mPa.s (20 °C)
Explosive properties: Not explosive.
Oxidising properties: Not oxidising

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

ATE - Dermal (mg/kg): >5000

ATE - Inhalatory, vapours (mg/l): >50

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)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
alkyl alcohol ethoxylate		No data available			
propane-1,2-diol	LD ₅₀	> 10000	Rat	Method not given	
alkyl alcohol ethoxylate	LD ₅₀	> 2000	Rat	Method not given	
2-aminoethanol	LD ₅₀	1515	Rat	OECD 401 (EU B.1)	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			

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alkyl alcohol ethoxylate		No data available			
propane-1,2-diol	LD ₅₀	> 2000	Rabbit	Method not given	
alkyl alcohol ethoxylate		No data available			
2-aminoethanol	LD ₅₀	1025	Rabbit	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
alkyl alcohol ethoxylate		No data available			
propane-1,2-diol	LC ₅₀	> 317 (mist) No mortality observed	Rabbit	Non guideline test	
alkyl alcohol ethoxylate		No data available			
2-aminoethanol		No mortality observed	Rat	Non guideline test	6

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
alkyl alcohol ethoxylate	No data available			
propane-1,2-diol	Not irritant	Rabbit	OECD 404 (EU B.4)	
alkyl alcohol ethoxylate	Irritant	Rabbit	Method not given	
2-aminoethanol	Corrosive	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
alkyl alcohol ethoxylate	No data available			
propane-1,2-diol	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
alkyl alcohol ethoxylate	Severe damage	Rabbit	Method not given	
2-aminoethanol	Severe damage	Rabbit	OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
alkyl alcohol ethoxylate	No data available			
propane-1,2-diol	No data available			
alkyl alcohol ethoxylate	No data available			
2-aminoethanol	Irritating to respiratory tract		Method not given	

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
alkyl alcohol ethoxylate	No data available			
propane-1,2-diol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
alkyl alcohol ethoxylate	No data available			
2-aminoethanol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
alkyl alcohol ethoxylate	No data available			
propane-1,2-diol	No data available			
alkyl alcohol ethoxylate	No data available			
2-aminoethanol	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)
benzenesulphonic acid, mono-C10-13-alkyl	No data available		No data available	

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derivs., compds. with ethanolamine				
alkyl alcohol ethoxylate	No data available		No data available	
propane-1,2-diol	No evidence for mutagenicity, negative test results	Method not given	No data available	
alkyl alcohol ethoxylate	No data available		No data available	
2-aminoethanol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 473 OECD 476 (Mouse lymphoma)	No evidence for mutagenicity, negative test results	OECD 474 (EU B.12)

Carcinogenicity

Ingredient(s)	Effect
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available
alkyl alcohol ethoxylate	No data available
propane-1,2-diol	No evidence for carcinogenicity, negative test results
alkyl alcohol ethoxylate	No data available
2-aminoethanol	No evidence for carcinogenicity, weight-of-evidence

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine			No data available				
alkyl alcohol ethoxylate			No data available				
propane-1,2-diol			No data available				No evidence for reproductive toxicity
alkyl alcohol ethoxylate			No data available				
2-aminoethanol	NOAEL	Developmental toxicity	> 75	Rabbit	OECD 414 (EU B.31), oral	6 - 15 day(s)	No evidence for developmental toxicity No evidence for reproductive toxicity

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
alkyl alcohol ethoxylate		No data available				
propane-1,2-diol		No data available				
alkyl alcohol ethoxylate		No data available				
2-aminoethanol	NOAEL	300	Rat		75	

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
alkyl alcohol ethoxylate		No data available				
propane-1,2-diol		No data available				
alkyl alcohol ethoxylate		No data available				
2-aminoethanol		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
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
alkyl alcohol ethoxylate		No data available				
propane-1,2-diol		No data available				
alkyl alcohol ethoxylate		No data available				
2-aminoethanol		No data available				

Chronic toxicity

Ingredient(s)	Exposure	Endpoint	Value	Species	Method	Exposure	Specific effects and	Remark
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	route		(mg/kg bw/d)			time	organs affected	
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine			No data available					
alkyl alcohol ethoxylate			No data available					
propane-1,2-diol			No data available					
alkyl alcohol ethoxylate			No data available					
2-aminoethanol			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available
alkyl alcohol ethoxylate	No data available
propane-1,2-diol	No data available
alkyl alcohol ethoxylate	No data available
2-aminoethanol	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available
alkyl alcohol ethoxylate	No data available
propane-1,2-diol	No data available
alkyl alcohol ethoxylate	No data available
2-aminoethanol	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

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)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
alkyl alcohol ethoxylate		No data available			
propane-1,2-diol	LC ₅₀	> 1000	Fish	Method not given	24
alkyl alcohol ethoxylate	LC ₅₀	1 - 10	<i>Brachydanio rerio</i>	Method not given	96
2-aminoethanol	LC ₅₀	349	<i>Cyprinus carpio</i>	OECD 203 (EU C.1)	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
alkyl alcohol ethoxylate		No data available			
propane-1,2-diol	EC ₅₀	> 100	<i>Daphnia</i>	Method not given	48
alkyl alcohol ethoxylate	EC ₅₀	0.1 - 1	<i>Not specified</i>	Method not given	48
2-aminoethanol	EC ₅₀	65	<i>Daphnia magna</i> Straus	OECD 202, static	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
alkyl alcohol ethoxylate		No data			

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		available			
propane-1,2-diol	EC ₅₀	24200	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
alkyl alcohol ethoxylate	EC ₅₀	0.1 - 1	<i>Desmodesmus subspicatus</i>	Method not given	72
2-aminoethanol	NOEC	1	<i>Pseudokirchneriella subcapitata</i>	OECD 201 (EU C.3)	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
alkyl alcohol ethoxylate		No data available			
propane-1,2-diol		No data available			-
alkyl alcohol ethoxylate		No data available			-
2-aminoethanol		No data available			-

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
alkyl alcohol ethoxylate		No data available			
propane-1,2-diol	EC ₀	> 20000	<i>Pseudomonas putida</i>	Method not given	18 hour(s)
alkyl alcohol ethoxylate	EC ₁₀	> 10000	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
2-aminoethanol	EC ₅₀	> 1000	<i>Activated sludge</i>	DIN EN ISO 8192-OECD 209-88/302/EEC	3 hour(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
alkyl alcohol ethoxylate		No data available				
propane-1,2-diol		No data available				
alkyl alcohol ethoxylate		No data available				
2-aminoethanol	NOEC	1.2	<i>Oryzias latipes</i>	OECD 210	30 day(s)	

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
alkyl alcohol ethoxylate		No data available				
propane-1,2-diol	NOEC	13020	<i>Ceriodaphnia dubia</i>	Method not given	7 day(s)	
alkyl alcohol ethoxylate	NOEC	> 0.1-<1	<i>Not specified</i>	Weight of evidence		
2-aminoethanol	NOEC	0.85	<i>Daphnia magna</i>	OECD 211	21 day(s)	

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

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
alkyl alcohol ethoxylate		No data available				
propane-1,2-diol		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
2-aminoethanol		No data available			-	

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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			-	
alkyl alcohol ethoxylate		No data available			-	
2-aminoethanol		No data available			-	

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			-	
alkyl alcohol ethoxylate		No data available			-	
2-aminoethanol		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			-	
alkyl alcohol ethoxylate		No data available			-	
2-aminoethanol		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			-	
alkyl alcohol ethoxylate		No data available			-	
2-aminoethanol		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			-	
alkyl alcohol ethoxylate		No data available			-	
2-aminoethanol		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
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine					No data available
alkyl alcohol ethoxylate				OECD 301B	Readily biodegradable
propane-1,2-diol			> 70 % in 28 day(s)	OECD 301A	Readily biodegradable
alkyl alcohol ethoxylate	Activated sludge, aerobe	DOC reduction	90 - 100%	OECD 301A	Readily biodegradable
2-aminoethanol		DOC reduction	> 90 % in 21 day(s)	OECD 301A	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

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12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
alkyl alcohol ethoxylate	No data available			
propane-1,2-diol	-1.07	Method not given	No bioaccumulation expected	
alkyl alcohol ethoxylate	No data available	Method not given	No bioaccumulation expected	
2-aminoethanol	- 1.91	OECD 107	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available				
alkyl alcohol ethoxylate	No data available				
propane-1,2-diol	No data available				
alkyl alcohol ethoxylate	No data available				
2-aminoethanol	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
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available				
alkyl alcohol ethoxylate	No data available				
propane-1,2-diol	No data available				Potential for mobility in soil, soluble in water
alkyl alcohol ethoxylate	No data available				Potential for adsorption to soil
2-aminoethanol	0.067		Model calculation		Potential for mobility in soil, soluble in water Adsorption to solid soil phase is not expected

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.

Suitable cleaning agents:

Water, if necessary with cleaning agent.

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**14.3 Transport hazard class(es):** Non-dangerous goods

Class: -

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 73/78 and the IBC Code:** The product is not transported in bulk tankers.**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Clax Elegant 30A1 (Clax Elegant 3CL2)**EU regulations:**

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP

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, soap, non-ionic surfactants	5 - 15 %
phosphonates	< 5 %
perfumes, Limonene, enzymes, Benzyl Salicylate, Linalool	

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: MSDS1592

Version: 14.1

Revision: 2017-03-20

Reason for revision:

Overall design adjusted in accordance with Amendment 453/2010, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s): 2, 3, 16

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:

- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H332 - Harmful 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.

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
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate

End of Safety Data Sheet