



## Clax Elegant 30A1

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

#### 1.1 Product identifier

**Trade name:** Clax Elegant 30A1

UFI: NXX3-J0YH-600K-X7X5

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

**Product use:** Laundry detergent.  
For professional use only.

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

#### SWED - Sector-specific worker exposure description :

AISE\_SWED\_PW\_1\_1  
AISE\_SWED\_PW\_8a\_1  
AISE\_SWED\_PW\_4\_1

#### 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

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), fatty acids, C12-18, compds. with ethanolamine (MEA Coccoate), Alcohols, C10-16, ethoxylated (7-<15 EO) (C12-15 Pareth-7), alkyl alcohol ethoxylate (C12-15 Pareth-3), 2-aminoethanol (Ethanolamine)

#### 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.

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

**2.3 Other hazards**

No other hazards known.

**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
fatty acids, C12-18, compds. with ethanolamine	292-921-1	91031-21-9	[1]	Eye Dam. 1 (H318)		10-20
Alcohols, C10-16, ethoxylated (7-<15 EO)	[4]	68002-97-1	[4]	Acute Tox. 4 (H302) 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		3-10
alkyl alcohol ethoxylate	[4]	68131-39-5	[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) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)		1-3

**Specific concentration limits**

2-aminoethanol:

- STOT SE 3 (H335) >= 5%

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**

<b>Inhalation:</b>	Get medical attention or advice if you feel unwell.
<b>Skin contact:</b>	Take off immediately all contaminated clothing and wash it before reuse.
<b>Eye contact:</b>	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.
<b>Ingestion:</b>	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.
<b>Self-protection of first aider:</b>	Consider personal protective equipment as indicated in subsection 8.2.

**4.2 Most important symptoms and effects, both acute and delayed**

<b>Inhalation:</b>	No known effects or symptoms in normal use.
<b>Skin contact:</b>	Causes irritation.
<b>Eye contact:</b>	Causes severe or permanent damage.
<b>Ingestion:</b>	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**

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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. Repeated or prolonged contact: Wear suitable gloves.

### 6.2 Environmental precautions

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

### 6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, 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:

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 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. 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 <sup>3</sup> total particulates and vapour 10 mg/m <sup>3</sup> particulates	450 ppm total particulate and vapour 1422 mg/m <sup>3</sup> total particulate and vapour 30 mg/m <sup>3</sup> particulate
2-aminoethanol	1 ppm 2.5 mg/m <sup>3</sup>	3 ppm 7.6 mg/m <sup>3</sup>

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
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds.	No data available	No data available	No data available	No data available

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with ethanolamine				
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
propane-1,2-diol	-	-	-	85
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
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
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	No data available	-
propane-1,2-diol	-	-	-	-
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
2-aminoethanol	No data available	-	No data available	1

## 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)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available	No data available	No data available	No data available
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	No data available	-
propane-1,2-diol	-	-	-	213
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
2-aminoethanol	No data available	-	No data available	0.24

DNEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

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
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
propane-1,2-diol	-	-	10	168
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
2-aminoethanol	-	-	3.3	-

DNEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

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
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
propane-1,2-diol	-	-	10	50
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
2-aminoethanol	-	-	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
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
propane-1,2-diol	260	26	183	20000
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
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 <sup>3</sup> )
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available	No data available	No data available	No data available
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	-	-	-	-
propane-1,2-diol	572	57.2	50	-

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alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
2-aminoethanol	0.434	0.0434	0.035	-

## 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:** 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.

## REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Manual transfer and dilution	AISE_SWED_PW_8a_1	PW	PROC 8a	60	ERC8a
Automatic application in a dedicated closed system	AISE_SWED_PW_1_1	PW	PROC 1	60	ERC8a

## Personal protective equipment

**Eye / face protection:** Safety glasses or goggles (EN 166).

**Hand protection:** Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary. Repeated or prolonged contact: Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature. 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): 0.4

**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
Automatic application in a dedicated system	AISE_SWED_PW_4_1	PW	PROC 4	480	ERC8a

## Personal protective equipment

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

**Hand protection:** No special requirements under normal use conditions.

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

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

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

## SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

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

## Method / remark

**Physical state:** Liquid  
**Colour:** Milky , Medium , Blue  
**Odour:** Product specific  
**Odour threshold:** Not applicable

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**Melting point/freezing point (°C):** Not determined  
**Initial boiling point and boiling range (°C):** Not determined

Not relevant to classification of this product  
 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		
fatty acids, C12-18, compds. with ethanolamine	No data available		
Alcohols, C10-16, ethoxylated (7-<15 EO)	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

**Flammability (solid, gas):** Not applicable to liquids

**Flammability (liquid):** Not flammable.

**Flash point (°C):** > 70 °C

**Sustained combustion:** The product does not sustain combustion  
 ( UN Manual of Tests and Criteria, section 32, L.2 )

closed cup  
 Weight of evidence

**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)
propane-1,2-diol	2.6	12.6
2-aminoethanol	3.4	27

## Method / remark

**Autoignition temperature:** Not determined

**Decomposition temperature:** Not applicable.

**pH:** ≈ 9 (neat)

**Dilution pH:** ≈ 8 (0.4 %)

**Kinematic viscosity:** ≈ 200 mPa.s (20 °C)

**Solubility in / Miscibility with Water:** Fully miscible

ISO 4316  
 ISO 4316

## Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available		
fatty acids, C12-18, compds. with ethanolamine	No data available		
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available		
propane-1,2-diol	Soluble	Method not given	
alkyl alcohol ethoxylate	No data available		
2-aminoethanol	1000	Method not given	20

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)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available		
fatty acids, C12-18, compds. with ethanolamine	No data available		
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available		
propane-1,2-diol	18.6	Method not given	20
alkyl alcohol ethoxylate	No data available		
2-aminoethanol	50	Method not given	20

## Method / remark

**Relative density:** ≈ 1.07 (20 °C)

**Relative vapour density:** -.

**Particle characteristics:** No data available.

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

## 9.2 Other information

## 9.2.1 Information with regard to physical hazard classes

**Explosive properties:** Not explosive. Vapours may form explosive mixtures with air.

**Oxidising properties:** Not oxidising.

**Corrosion to metals:** Not corrosive

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**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 toxicological effects**

Mixture data:

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): >2000

ATE - Dermal (mg/kg): >2000

ATE - Inhalatory, vapours (mg/l): >20

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 (mg/kg)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				3700
fatty acids, C12-18, compds. with ethanolamine	LD <sub>50</sub>	> 2000		Method not given		Not established
Alcohols, C10-16, ethoxylated (7-<15 EO)	LD <sub>50</sub>	≥ 1000		Read across		13000
propane-1,2-diol	LD <sub>50</sub>	> 10000	Rat	Method not given		Not established
alkyl alcohol ethoxylate		No data available				Not established
2-aminoethanol	LD <sub>50</sub>	1089	Rat	OECD 401 (EU B.1)		28000

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				Not established
fatty acids, C12-18, compds. with ethanolamine	LD <sub>50</sub>	> 2000		Method not given		Not established
Alcohols, C10-16, ethoxylated (7-<15 EO)	LD <sub>50</sub>	> 2000		Method not given		Not established
propane-1,2-diol	LD <sub>50</sub>	> 2000	Rabbit	Method not given		Not established
alkyl alcohol ethoxylate		No data available				Not established
2-aminoethanol	LD <sub>50</sub>	2504	Rabbit	Method not given		140000

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			
fatty acids, C12-18, compds. with ethanolamine		No data available			

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Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available			
propane-1,2-diol	LC <sub>50</sub>	> 317 (mist) No mortality observed	Rabbit	Non guideline test	
alkyl alcohol ethoxylate		No data available			
2-aminoethanol	LC <sub>50</sub>	> 1.4 No mortality observed	Rat	Method not given	4

## 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)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	Not established	Not established	Not established	Not established
fatty acids, C12-18, compds. with ethanolamine	Not established	Not established	Not established	Not established
Alcohols, C10-16, ethoxylated (7-<15 EO)	Not established	Not established	Not established	Not established
propane-1,2-diol	Not established	Not established	Not established	Not established
alkyl alcohol ethoxylate	Not established	Not established	Not established	Not established
2-aminoethanol	Not established	Not established	430	Not established

## 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			
fatty acids, C12-18, compds. with ethanolamine	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	Not irritant	Rabbit	Method not given	
propane-1,2-diol	Not irritant	Rabbit	OECD 404 (EU B.4)	
alkyl alcohol ethoxylate	No data available			
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			
fatty acids, C12-18, compds. with ethanolamine	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	Severe damage	Rabbit	Method not given	
propane-1,2-diol	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
alkyl alcohol ethoxylate	No data available			
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			
fatty acids, C12-18, compds. with ethanolamine	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	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			
fatty acids, C12-18, compds. with ethanolamine	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	Not sensitising	Guinea pig	Method not given	
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			
fatty acids, C12-18, compds. with ethanolamine	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available			



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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 derivs., compds. with ethanolamine	No data available		No data available	
fatty acids, C12-18, compds. with ethanolamine	No data available		No data available	
Alcohols, C10-16, ethoxylated (7-<15 EO)	No evidence for mutagenicity, negative test results	Method not given	No evidence for mutagenicity, negative test results	Method not given
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
fatty acids, C12-18, compds. with ethanolamine	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	No evidence for carcinogenicity, weight-of-evidence
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				
fatty acids, C12-18, compds. with ethanolamine			No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)			No data available		Literature		No evidence for teratogenic effects No evidence for reproductive toxicity
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				
fatty acids, C12-18, compds. with ethanolamine		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)		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				
fatty acids, C12-18, compds. with ethanolamine		No data available				

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Alcohols, C10-16, ethoxylated (7-<15 EO)		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				
fatty acids, C12-18, compds. with ethanolamine		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)		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 route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine			No data available					
fatty acids, C12-18, compds. with ethanolamine			No data available					
Alcohols, C10-16, ethoxylated (7-<15 EO)			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
fatty acids, C12-18, compds. with ethanolamine	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available
propane-1,2-diol	No data available
alkyl alcohol ethoxylate	No data available
2-aminoethanol	Respiratory tract

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available
fatty acids, C12-18, compds. with ethanolamine	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	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.

## 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.

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**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			
fatty acids, C12-18, compds. with ethanolamine		No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	LC <sub>50</sub>	> 1-10	<i>Brachydanio rerio</i>	Method not given	96
propane-1,2-diol	LC <sub>50</sub>	> 1000	<i>Fish</i>	Method not given	24
alkyl alcohol ethoxylate		No data available			
2-aminoethanol	LC <sub>50</sub>	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			
fatty acids, C12-18, compds. with ethanolamine		No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC <sub>50</sub>	> 1-10	<i>Daphnia magna Straus</i>	Method not given	48
propane-1,2-diol	EC <sub>50</sub>	> 100	<i>Daphnia</i>	Method not given	48
alkyl alcohol ethoxylate		No data available			
2-aminoethanol	EC <sub>50</sub>	65	<i>Daphnia magna Straus</i>	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			
fatty acids, C12-18, compds. with ethanolamine		No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC <sub>50</sub>	> 1-10	<i>Desmodesmus subspicatus</i>	Method not given	72
propane-1,2-diol	EC <sub>50</sub>	24200	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
alkyl alcohol ethoxylate		No data available			
2-aminoethanol	EC <sub>50</sub>	22		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			
fatty acids, C12-18, compds. with ethanolamine		No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)		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			

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fatty acids, C12-18, compds. with ethanolamine		No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC <sub>50</sub>	140	Activated sludge	Method not given	
propane-1,2-diol	EC <sub>0</sub>	> 20000	<i>Pseudomonas putida</i>	Method not given	18 hour(s)
alkyl alcohol ethoxylate		No data available			
2-aminoethanol	EC <sub>50</sub>	> 1000	Activated sludge	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				
fatty acids, C12-18, compds. with ethanolamine		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)		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				
fatty acids, C12-18, compds. with ethanolamine		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC <sub>10</sub>	> 0.1-1	<i>Daphnia sp.</i>	OECD 211		
propane-1,2-diol	NOEC	13020	<i>Ceriodaphnia dubia</i>	Method not given	7 day(s)	
alkyl alcohol ethoxylate		No data available				
2-aminoethanol	NOEC	0.85	<i>Daphnia magna</i>	OECD 202	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				
fatty acids, C12-18, compds. with ethanolamine		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
propane-1,2-diol		No data available				
alkyl alcohol ethoxylate		No data available				
2-aminoethanol		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
2-aminoethanol		No data available				

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
2-aminoethanol		No data available				

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Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
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
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 <sub>50</sub>	Method	Evaluation
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	Activated sludge, aerobe			OECD 301D	Not readily biodegradable.
fatty acids, C12-18, compds. with ethanolamine	Adapted activated sludge		> 90% in 28 day(s)		Readily biodegradable
Alcohols, C10-16, ethoxylated (7-<15 EO)	Activated sludge, aerobe	Method not given	> 60% in 28 day(s)	OECD 301B	Readily biodegradable
propane-1,2-diol			> 70% in 28 day(s)	OECD 301A	Readily biodegradable
alkyl alcohol ethoxylate					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:

**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			
fatty acids, C12-18, compds. with ethanolamine	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	-		No bioaccumulation expected	
propane-1,2-diol	-1.07	Method not given	No bioaccumulation expected	
alkyl alcohol ethoxylate	-		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				
fatty acids, C12-18, compds. with ethanolamine	No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)	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**

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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				
fatty acids, C12-18, compds. with ethanolamine	No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available				
propane-1,2-diol	No data available				Potential for mobility in soil, soluble in water
alkyl alcohol ethoxylate	No data available				
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 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:** 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 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
- 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

**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

&lt; 5 %

perfumes, Limonene, enzymes, Linalool

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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*

**SDS code:** MSDS1592

**Version:** 15.1

**Revision:** 2021-10-17

**Reason for revision:**

Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s):, 8, 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
- 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 - Organization 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

**End of Safety Data Sheet**