

Clax 100 22A1 (Clax 100 OB 2AL4)

Revision: 2013-04-03

Version: 04

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

1.1 Product identifier

Trade name: Clax 100 22A1 (Clax 100 OB 2AL4)

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-P102 - Laundry detergent. Semi-automatic process

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

1.3 Details of the supplier of the safety data sheet

Diversey Ltd

Contact details

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: MSDSinfoUK@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

The product has been classified and labelled in accordance with Directive 1999/45/EC and corresponding national legislation.

Indication of danger

Xn - Harmful

Risk phrases:

R22 - Harmful if swallowed.

R41 - Risk of serious damage to eyes.

2.2 Label elements



Xn - Harmful

Contains alkyl alcohol ethoxylate

Risk phrases:

R22 - Harmful if swallowed.

R41 - Risk of serious damage to eyes.

Safety phrases:

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 - Wear eye/face protection.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Classification (EC) 1272/2008	Notes	Weight percent
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alkyl alcohol ethoxylate	Polymer*	64425-86-1	[4]	Xn,N; R22-41-50	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Acute Tox. 4 (H302)	10-20
alkyl alcohol ethoxylate	Polymer*	68213-23-0	[4]	Xn; R22-41	Eye Dam. 1 (H318) Acute Tox. 4 (H302)	10-20
propan-2-ol	200-661-7	67-63-0	01-2119457558-25	Xi,F; R11-36-67	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	3-10
alkyl alcohol ethoxylate	Polymer*	64425-86-1	[4]	Xi,N; R41-50	Eye Dam. 1 (H318) Aquatic Acute 1 (H400)	3-10
alkyl alcohol alkoxylate	Polymer*	9038-95-3	[4]	Xn; R22	Acute Tox. 4 (H302)	1-3

* Polymer.

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

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.

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information:

Symptoms of intoxication may even occur after several hours. It is recommended to continue medical observation for at least 48 hours after the incident. If unconscious place in recovery position and seek medical advice.

Inhalation

Remove from source of exposure. Get medical attention.

Skin contact:

Not required under normal use. If irritation develops get medical attention. Rinse with plenty of water.

Eye contact:

Wash off immediately with plenty of water. Get medical attention immediately.

Ingestion:

Remove material from mouth. Immediately drink 1-2 glasses of water or milk. Get medical attention immediately.

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:

Causes irritation.

Skin contact:

Unlikely to be irritant in normal use.

Eye contact:

Causes severe irritation.

Ingestion:

Causes irritation. Harmful.

Sensitisation:

No known effects.

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. Dilute with plenty of water.

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

Advice on safe handling:

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Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by Diversey. For advice on general occupational hygiene see subsection 8.2. For environmental exposure controls see subsection 8.2. For incompatible materials see subsection 10.5.

Prevention of fire and explosion:

No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage rooms / facilities:**

In accordance with local and national regulations.

Combined storage in storage rooms / facilities:

In accordance with local and national regulations. For incompatible materials see subsection 10.5.

Basic storage conditions

Store in original container. Keep container tightly closed. For conditions to avoid see subsection 10.4.

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)
propan-2-ol	400 ppm 999 mg/m ³	500 ppm 1250 mg/m ³

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
alkyl alcohol ethoxylate	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
propan-2-ol	No data available	No data available	No data available	26
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available

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)
alkyl alcohol ethoxylate	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
propan-2-ol	No data available	No data available	No data available	888
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available

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)
alkyl alcohol ethoxylate	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
propan-2-ol	No data available	No data available	No data available	319
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
alkyl alcohol ethoxylate	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
propan-2-ol	No data available	No data available	No data available	500
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Consumer (mg/m³)

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Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
alkyl alcohol ethoxylate	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
propan-2-ol	No data available	No data available	No data available	89
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	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)
alkyl alcohol ethoxylate	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
propan-2-ol	140.9	140.9	140.9	2251
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	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)
alkyl alcohol ethoxylate	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
propan-2-ol	552	552	28	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available

8.2 Exposure controls**General health and safety measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Avoid contact with eyes.

The following information applies for the uses indicated in subsection 1.2.

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.

Personal protective equipment**Eye / face protection:**

Safety glasses or goggles (EN 166).

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.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 2

Appropriate engineering controls: The product is intended to be used in closed systems.

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

Personal protective equipment**Eye / face protection:**

No special requirements under normal use conditions.

Hand protection:

No special requirements under normal use conditions.

Body protection:

No special requirements under normal use conditions.

Respiratory protection:

If the product is applied in a closed system, as recommended, no respiratory protection equipment will be required.

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

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

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

Method / remark

Physical State: Liquid

Colour: Clear Colourless

Odour: Product specific

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Odour threshold: Not applicable**pH:** ≈ 5 (neat)**Melting point/freezing point (°C):** Not determined**Initial boiling point and boiling range (°C):** Not determined

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
alkyl alcohol ethoxylate	No data available		
alkyl alcohol ethoxylate	No data available		
propan-2-ol	82	Method not given	1013
alkyl alcohol ethoxylate	No data available		
alkyl alcohol alkoxyate	No data available		

Method / remark

closed cup

Flash point (°C): ≈ 45**Sustained combustion:** This product with a flashpoint between 21°C and 60°C does UN Manual of Tests and Criteria, section 37, L.2 not support combustion**Evaporation rate:** Not determined**Flammability (solid, gas):** Not determined**Upper/lower flammability limit (%):** Not determined

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
propan-2-ol	2	13

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

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
alkyl alcohol ethoxylate	No data available		
alkyl alcohol ethoxylate	No data available		
propan-2-ol	4200	Method not given	20
alkyl alcohol ethoxylate	No data available		
alkyl alcohol alkoxyate	No data available		

Method / remark**Vapour density:** Not determined**Relative density:** 0.98 g/cm³ (20°C)**Solubility in / Miscibility with Water:** Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
alkyl alcohol ethoxylate	No data available		
alkyl alcohol ethoxylate	No data available		
propan-2-ol	Soluble		
alkyl alcohol ethoxylate	Insoluble	Method not given	
alkyl alcohol alkoxyate	No data available		

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

Method / remark**Autoignition temperature:** Not determined**Decomposition temperature:** Not determined**Viscosity:** ≈ 50 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****(according to IMDG/ADR regulation):** Not determined

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****Mixtures**

No test data is available on the mixture

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)
alkyl alcohol ethoxylate		No data available			
alkyl alcohol ethoxylate	LD ₅₀	> 300 - ≤ 2000		OECD 401 (EU B.1)	
propan-2-ol	LD ₅₀	3570	Rat	Method not given	
alkyl alcohol ethoxylate	LD ₅₀	> 2000	Rat	Method not given	
alkyl alcohol alkoxylate		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
alkyl alcohol ethoxylate		No data available			
alkyl alcohol ethoxylate		No data available			
propan-2-ol	LD ₅₀	> 2000	Rabbit	Method not given	
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxylate		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
alkyl alcohol ethoxylate		No data available			
alkyl alcohol ethoxylate		No data available			
propan-2-ol	LC ₅₀	> 20	Rat	Method not given	4
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxylate		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol ethoxylate	No data available			
alkyl alcohol ethoxylate	Not irritant		OECD 404 (EU B.4)	
propan-2-ol	Not irritant	Rabbit	OECD 404 (EU B.4)	
alkyl alcohol ethoxylate	Irritant	Rabbit	Method not given	
alkyl alcohol alkoxylate	No data available			

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Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol ethoxylate	No data available			
alkyl alcohol ethoxylate	Severe damage		OECD 405 (EU B.5)	
propan-2-ol	Irritant	Rabbit	OECD 405 (EU B.5)	
alkyl alcohol ethoxylate	Severe damage	Rabbit	Method not given	
alkyl alcohol alkoxylate	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol ethoxylate	No data available			
alkyl alcohol ethoxylate	No data available			
propan-2-ol	No data available			
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
alkyl alcohol ethoxylate	No data available			
alkyl alcohol ethoxylate	No data available			
propan-2-ol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol ethoxylate	No data available			
alkyl alcohol ethoxylate	No data available			
propan-2-ol	No data available			
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	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
alkyl alcohol ethoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxylate		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
alkyl alcohol ethoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxylate		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
alkyl alcohol ethoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				

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alkyl alcohol alkoxylate		No data available				
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Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
alkyl alcohol ethoxylate			No data available					
alkyl alcohol ethoxylate			No data available					
propan-2-ol			No data available					
alkyl alcohol ethoxylate			No data available					
alkyl alcohol alkoxylate			No data available					

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mixture data:

Based on available data, the classification criteria are not met.

Substance data, where relevant and available

Carcinogenicity

Ingredient(s)	Effect
alkyl alcohol ethoxylate	No data available
alkyl alcohol ethoxylate	No data available
propan-2-ol	No data available
alkyl alcohol ethoxylate	No data available
alkyl alcohol alkoxylate	No data available

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
alkyl alcohol ethoxylate	No data available		No data available	
alkyl alcohol ethoxylate	No evidence for mutagenicity, weight of evidence	Read across	No data available	
propan-2-ol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
alkyl alcohol ethoxylate	No data available		No data available	
alkyl alcohol alkoxylate	No data available		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
alkyl alcohol ethoxylate			No data available				
alkyl alcohol ethoxylate			No data available				
propan-2-ol			No data available				
alkyl alcohol ethoxylate			No data available				
alkyl alcohol alkoxylate			No data available				

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

Mixtures

No test 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)
alkyl alcohol ethoxylate		No data available			
alkyl alcohol ethoxylate	LC ₅₀	> 1 - < 10	Fish	ISO 7346	
propan-2-ol	LC ₅₀	> 100	Pimephales promelas	Method not given	48
alkyl alcohol ethoxylate	LC ₅₀	1 - 10	Brachydanio rerio	Method not given	96

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alkyl alcohol alkoxylate		No data available			
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Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
alkyl alcohol ethoxylate		No data available			
alkyl alcohol ethoxylate	EC ₅₀	> 1 - =< 10	Daphnia	OECD 202	
propan-2-ol	EC ₅₀	> 100	Daphnia magna Straus	Method not given	48
alkyl alcohol ethoxylate	EC ₅₀	0.1 - 1	Not specified	Method not given	48
alkyl alcohol alkoxylate		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
alkyl alcohol ethoxylate		No data available			
alkyl alcohol ethoxylate	EC ₅₀	> 1 - =< 10	Not specified	OECD 201 DIN 38412, Part 9	
propan-2-ol	EC ₅₀	> 100	Scenedesmus quadricauda	Method not given	72
alkyl alcohol ethoxylate	EC ₅₀	0.1 - 1	Desmodesmus subspicatus	Method not given	72
alkyl alcohol alkoxylate		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
alkyl alcohol ethoxylate		No data available			
alkyl alcohol ethoxylate		No data available			
propan-2-ol		No data available			
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxylate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
alkyl alcohol ethoxylate		No data available			
alkyl alcohol ethoxylate	EC ₀	> 100	Bacteria	DIN 38412 / Part 8	
propan-2-ol	EC ₅₀	> 1000	Activated sludge	Method not given	
alkyl alcohol ethoxylate	EC ₁₀	> 10000	Pseudomonas putida	Method not given	16 hour(s)
alkyl alcohol alkoxylate		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
alkyl alcohol ethoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxylate		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
alkyl alcohol ethoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
propan-2-ol		No data available				

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alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxylate		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if 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
alkyl alcohol ethoxylate					No data available
alkyl alcohol ethoxylate			> 70%		Readily biodegradable
propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
alkyl alcohol ethoxylate	Activated sludge, aerobe	Method not given	90 - 100%	OECD 301A	Readily biodegradable
alkyl alcohol alkoxylate					No data available

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

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.

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
alkyl alcohol ethoxylate	No data available			
alkyl alcohol ethoxylate	No data available			
propan-2-ol	0.05	OECD 107	No bioaccumulation expected	
alkyl alcohol ethoxylate	No data available	Method not given	No bioaccumulation expected	
alkyl alcohol alkoxylate	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
alkyl alcohol ethoxylate	No data available				
alkyl alcohol ethoxylate	No data available				
propan-2-ol	No data available				
alkyl alcohol ethoxylate	No data available				
alkyl alcohol alkoxylate	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K _{oc}	Desorption coefficient Log K _{oc} (des)	Method	Soil/sediment type	Evaluation
alkyl alcohol ethoxylate	No data available				
alkyl alcohol ethoxylate	No data available				
propan-2-ol	No data available				Potential for mobility in soil, soluble in water
alkyl alcohol ethoxylate	No data available				Potential for adsorption to soil
alkyl alcohol alkoxylate	No data available				

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Waste from residues / unused products:

Dispose of observing national or local regulations.

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**ADR, RID, ADN, IMO/IMDG, ICAO/IATA**

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****Ingredients according to EC Detergents Regulation 648/2004**

non-ionic surfactants >=30%
optical brighteners, Phenoxyethanol, Iodopropynyl Butylcarbamate

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

MSDS code: MSDS8119

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Reason for revision:

Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II

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

- R50 - Very toxic to aquatic organisms.
- R41 - Risk of serious damage to eyes.
- R22 - Harmful if swallowed.
- R11 - Highly flammable.
- R67 - Vapours may cause drowsiness and dizziness.
- R36 - Irritating to eyes.
- R10 - Flammable.
- H225 - Highly flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H336 - May cause drowsiness or dizziness.
- H400 - Very toxic to aquatic life.

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

Clax 100 22A1 (Clax 100 OB 2AL4)

End of Safety Data Sheet