



CLAX 100 22A1

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Version: 01.1

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name: CLAX 100 22A1

1.2 Recommended use and restrictions on use

Identified uses:

Laundry detergent

Restrictions of use:

Uses other than those identified are not recommended

1.3 Details of the supplier

DIVERSEY NEW ZEALAND LTD.

24 Bancroft Crescent, Glendene, Auckland, 0602, New Zealand

Telephone: +64 9 813 9800; 0800 803 615 (toll free)

Fax: + 64 9 813 9801

Website: www.diversey.com

1.4 Emergency telephone number

Call 0800 243 622 (24 hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

HSNO Classification

3.1C - Flammable liquids: medium hazard

6.1D - Acutely toxic (oral)

6.3B - Mildly irritating to the skin

8.3A - Corrosive to ocular tissue

9.1D - Slightly harmful to the aquatic environment or are otherwise designed for biocidal action

9.4C - Harmful to terrestrial invertebrates

GHS Equivalent Classification

Flammable liquids, Category 3

Acute toxicity, oral, Category 4

Skin irritation, Category 3

Serious eye damage, Category 1

Acute aquatic toxicity, Category 2

Terrestrial invertebrates, Category 3

2.2 Label elements



Signal word: Danger

Hazard statements:

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H316 - Causes mild skin irritation.

H318 - Causes serious eye damage.

H401 - Toxic to aquatic life.

H443 - Harmful to terrestrial invertebrates.

Prevention statement(s):

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

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P270 - Do not eat, drink or smoke when using this product.

P280 - Wear eye or face protection.

Response statement(s):

P301 + P312 - IF SWALLOWED: Call a POISON CENTRE, doctor or physician if you feel unwell.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

P330 - Rinse mouth.

P370 + P378 - In case of fire: Use chemical powder to extinguish.

Disposal statement(s):

P501 - Dispose of unused content as chemical waste.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients**3.1 Substances / Mixtures**

Ingredient(s)	CAS number	EC number	Weight percent
alkyl alcohol ethoxylate	64425-86-1	Polymer*	10-30
alkyl alcohol ethoxylate	68213-23-0	Polymer*	10-30
propan-2-ol	67-63-0	200-661-7	3-10
alkyl alcohol ethoxylate	68131-39-5	Polymer*	3-10
alkyl alcohol alkoxyate	9038-95-3	Polymer*	1-3
sodium benzoate	532-32-1	208-534-8	0.1-1
2-phenoxyethanol	122-99-6	204-589-7	0.1-1
polydimethylsiloxane	63148-62-9	Polymer*	0.1-1

Non-hazardous ingredients are the remainder and add up to 100%.

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

SECTION 4: First aid measures**4.1 Description of first aid measures****General Information:**

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

Inhalation:

Remove person to fresh air and keep comfortable for breathing. Get medical attention or advice if you feel unwell.

Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. If skin irritation or rash 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. Call a POISON CENTRE, doctor or physician. Get medical attention or advice if you feel unwell.

Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

First aid facilities:

Eyewash facilities should be considered in a workplace where necessary.

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

No known effects or symptoms in normal use.

Skin contact:

No known effects or symptoms in normal use.

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.

Poison Information Center: Call 0800 764 766 (0800 POISON)

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.

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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.

5.4 Hazchem code

•3Z

•3 - Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used

Z - Full fire kit and breathing apparatus. Contain.

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 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 Diversey. 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. Use personal protective equipment as required. Avoid contact with eyes. Do not eat, drink or smoke when using this product. 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)	Long term value(s)	Short term value(s)	Ceiling value(s)
propan-2-ol	400 ppm 983 mg/m ³	500 ppm 1230 mg/m ³	

Biological limit values, if available:

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

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

Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

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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: Should not reach sewage water or drainage ditch undiluted or unneutralised.

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

	Method / remark
Physical State: Liquid	
Colour: Clear, Colourless	
Odour: Product specific	
Odour threshold: Not applicable	
pH: ≈ 5 (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	
Flash point (°C): ≈ 45	closed cup
Sustained combustion: The product does not sustain combustion (<i>UN Manual of Tests and Criteria, section 32, L.2</i>)	UN Manual of Tests and Criteria, section 32, L.2
Evaporation rate: Not determined	Not relevant to classification of this product
Flammability (solid, gas): Not applicable to liquids	
Upper/lower flammability limit (%): Not determined	
Vapour pressure: Not determined	
Vapour density: Not determined	Not relevant to classification of this product
Relative density: ≈ 0.98 (20 °C)	OECD 109 (EU A.3)
Solubility in / Miscibility with Water: Fully miscible	
Partition coefficient: n-octanol/water No information available. Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3	
Autoignition temperature: Not determined	
Decomposition temperature: Not applicable.	
Viscosity: ≈ 50 mPa.s (20 °C)	
Explosive properties: Not explosive. Vapours may form explosive mixtures with air.	
Oxidising properties: Not oxidising	

9.2 Other information

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

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): 1300
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)
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		No data available			
alkyl alcohol alkoxyate	LD ₅₀	200-2000	Rat	Method not given	
sodium benzoate	LD ₅₀	> 2000	Rat	Method not given	
2-phenoxyethanol	LD ₅₀	1840	Rat	Method not given	
polydimethylsiloxane		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 alkoxyate		No data available			
sodium benzoate	LD ₅₀	> 2000	Rabbit	Method not given	
2-phenoxyethanol	LD ₅₀	> 2214	Rabbit	Method not given	
polydimethylsiloxane		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	> 25 (vapour)	Rat	OECD 403 (EU B.2)	6
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxyate		No data available			
sodium benzoate	LC ₅₀	> 12.2	Rat	Method not given	
2-phenoxyethanol	LC ₀	> 1 (mist)	Rat	Method not given	6
polydimethylsiloxane		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	No data available			
alkyl alcohol alkoxyate	Not irritant	Rabbit	OECD 404 (EU B.4) Read across	
sodium benzoate	Not irritant	Rabbit	OECD 404 (EU B.4)	
2-phenoxyethanol	Not irritant	Rabbit	OECD 404 (EU B.4)	
polydimethylsiloxane	No data available			

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	No data available			
alkyl alcohol alkoxylate	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5) Read across	
sodium benzoate	Irritant	Rabbit	OECD 405 (EU B.5)	
2-phenoxyethanol	Irritant	Rabbit	OECD 405 (EU B.5)	
polydimethylsiloxane	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	No data available			
propan-2-ol	No data available			
alkyl alcohol ethoxylate	No data available			
alkyl alcohol alkoxylate	No data available			
sodium benzoate	No data available			
2-phenoxyethanol	No data available			
polydimethylsiloxane	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			
sodium benzoate	Not sensitising		Weight of evidence	
2-phenoxyethanol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
polydimethylsiloxane	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			
sodium benzoate	No data available			
2-phenoxyethanol	No data available			
polydimethylsiloxane	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)
alkyl alcohol ethoxylate	No data available		No data available	
alkyl alcohol ethoxylate	No evidence for mutagenicity	Read across	No data available	
propan-2-ol	No evidence for mutagenicity, negative test results No evidence of genotoxicity, negative test results	OECD 471 (EU B.12/13)	No evidence of genotoxicity, negative test results	OECD 474 (EU B.12)
alkyl alcohol ethoxylate	No data available		No data available	
alkyl alcohol alkoxylate	No data available		No data available	
sodium benzoate	No data available		No data available	
2-phenoxyethanol	No evidence for mutagenicity, negative test results	Method not given	No data available	
polydimethylsiloxane	No data available		No data 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
sodium benzoate	No data available
2-phenoxyethanol	No data available
polydimethylsiloxane	No data available

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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 alkoxyate			No data available				
sodium benzoate			No data available				
2-phenoxyethanol			No data available				No evidence for reproductive toxicity
polydimethylsiloxane			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 alkoxyate		No data available				
sodium benzoate		No data available				
2-phenoxyethanol		No data available				
polydimethylsiloxane		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 alkoxyate		No data available				
sodium benzoate		No data available				
2-phenoxyethanol		No data available				
polydimethylsiloxane		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				
alkyl alcohol alkoxyate		No data available				
sodium benzoate		No data available				
2-phenoxyethanol		No data available				
polydimethylsiloxane		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
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 alkoxyate			No data available					
sodium benzoate			No data available					
2-phenoxyethanol			No data available					
polydimethylsiloxane			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
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 alkoxyate	No data available
sodium benzoate	No data available
2-phenoxyethanol	No data available
polydimethylsiloxane	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
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 alkoxyate	No data available
sodium benzoate	No data available
2-phenoxyethanol	No data available
polydimethylsiloxane	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)
alkyl alcohol ethoxylate		No data available			
alkyl alcohol ethoxylate	LC ₅₀	> 1 - =< 10	<i>Fish</i>	ISO 7346	
propan-2-ol	LC ₅₀	> 100	<i>Pimephales promelas</i>	Method not given	48
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxyate	LC ₅₀	> 100	<i>Brachydanio rerio</i>	OECD 203 (EU C.1)	96
sodium benzoate	LC ₅₀	> 100	<i>Pimephales promelas</i>	Similar to OECD 203	96
2-phenoxyethanol	LC ₅₀	344	<i>Pimephales promelas</i>	Method not given	96
polydimethylsiloxane		No data available			

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	<i>Daphnia</i>	OECD 202 (EU C.2)	
propan-2-ol	EC ₅₀	> 100	<i>Daphnia magna Straus</i>	Method not given	48
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxyate	EC ₅₀	> 100	<i>Daphnia magna Straus</i>	Method not given	48
sodium benzoate	EC ₅₀	> 100	<i>Daphnia magna Straus</i>	Non guideline test	96
2-phenoxyethanol	EC ₅₀	> 500	<i>Daphnia magna Straus</i>	Method not given	48
polydimethylsiloxane		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	<i>Not specified</i>	OECD 201 (EU C.3) DIN 38412, Part 9	
propan-2-ol	EC ₅₀	> 100	<i>Scenedesmus quadricauda</i>	Method not given	72
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxyate	EC ₅₀	> 100	<i>Not specified</i>	Method not given	72
sodium benzoate	EC ₅₀	> 100	<i>Not specified</i>	OECD 201 (EU C.3)	72
2-phenoxyethanol	EC ₅₀	> 500	<i>Desmodesmus subspicatus</i>	DIN 38412, Part 9	72
polydimethylsiloxane		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 alkoxyate		No data available			-
sodium benzoate		No data available			-
2-phenoxyethanol		No data available			-
polydimethylsiloxane		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	<i>Bacteria</i>	DIN 38412 / Part 8	
propan-2-ol	EC ₅₀	> 1000	<i>Activated sludge</i>	Method not given	
alkyl alcohol ethoxylate		No data available			
alkyl alcohol alkoxyate		No data available			
sodium benzoate	EC ₅₀	> 100	<i>Achromobacter sp.</i>	Method not given	24 hour(s)
2-phenoxyethanol	EC ₂₀	620	<i>Activated sludge</i>	ISO 8192	0.5 hour(s)
polydimethylsiloxane		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				

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		available				
alkyl alcohol ethoxylate		No data available				
propan-2-ol		No data available				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxyate		No data available				
sodium benzoate		No data available				
2-phenoxyethanol	NOEC	23	<i>Pimephales promelas</i>	Method not given	34 day(s)	
polydimethylsiloxane		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				
alkyl alcohol ethoxylate		No data available				
alkyl alcohol alkoxyate		No data available				
sodium benzoate		No data available				
2-phenoxyethanol	NOEC	9.43	<i>Daphnia magna</i>	OECD 211	21 day(s)	
polydimethylsiloxane		No data available				

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

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
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 alkoxyate		No data available			-	
sodium benzoate		No data available			-	
2-phenoxyethanol		No data available			-	
polydimethylsiloxane		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
propan-2-ol		No data available			-	
alkyl alcohol alkoxyate		No data available			-	
sodium benzoate		No data available			-	
2-phenoxyethanol	LD ₅₀	1000	<i>Eisenia fetida</i>	OECD 207	14	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxyate		No data available			-	
sodium benzoate		No data available			-	
2-phenoxyethanol	EC ₅₀	34	<i>Brassica napus</i>	OECD 208	19	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxylate		No data available			-	
sodium benzoate		No data available			-	
2-phenoxyethanol		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxylate		No data available			-	
sodium benzoate		No data available			-	
2-phenoxyethanol		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
alkyl alcohol alkoxylate		No data available			-	
sodium benzoate		No data available			-	
2-phenoxyethanol		147	Not specified	OECD 217	7	

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				OECD 301B	Readily biodegradable
alkyl alcohol ethoxylate			> 70%	OECD 301F	Readily biodegradable
propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
alkyl alcohol ethoxylate					Readily biodegradable
alkyl alcohol alkoxylate	Activated sludge, aerobe	BOD removal		OECD 301F	Readily biodegradable
sodium benzoate		CO ₂ production		OECD 301B	Readily biodegradable
2-phenoxyethanol		COD removal	90 % in 28 day(s)	OECD 301F	Readily biodegradable
polydimethylsiloxane					Not applicable (inorganic substance)

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
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			
alkyl alcohol alkoxylate	-		No bioaccumulation expected	
sodium benzoate	-2.27	Method not given	No bioaccumulation expected	
2-phenoxyethanol	1.2	OECD 107	No bioaccumulation expected	
polydimethylsiloxane	No data available		No bioaccumulation expected	

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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				
sodium benzoate	No data available				
2-phenoxyethanol	0.35		Method not given	No bioaccumulation expected	
polydimethylsiloxane	No data available			No bioaccumulation expected	

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
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				
alkyl alcohol alkoxylate	No data available				
sodium benzoate	No data available				
2-phenoxyethanol	1.61	No data available	Method not given		Potential for adsorption to soil
polydimethylsiloxane	No data available				

12.5 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.

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, Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

14.1 UN number: 3082

14.2 UN proper shipping name:

Environmentally hazardous substance, liquid, n.o.s. (alkyl alcohol ethoxylate)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 9

14.4 Packing group: III

14.5 Environmental hazards:

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6 Special precautions for user: None known.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.

Other relevant information:

Hazchem code: +3Z

Transport regulations include special provisions for dangerous goods packed in small quantities classified under UN3077 or UN3082.

SECTION 15: Regulatory information

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

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HSNO Approval Number HSR002528.
Group standard Cleaning Products (Flammable) Group Standard 2017
Inventory Listing(s) New Zealand: NZIoC (New Zealand Inventory of Chemicals)
All components are listed on the NZIoC inventory, or are exempt

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

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Exposure standards - Time Weighted Average (TWA) or Workplace Exposure Standard (WES) (NZ): Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

Abbreviations and acronyms:

- DNEL - Derived No Effect Limit
- AUH - GHS Specific hazard statement
- PNEC - Predicted No Effect Concentration
- ATE - Acute Toxicity Estimate
- LD50 - Lethal Dose, 50% / Median Lethal dose
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- EC50 - effective concentration, 50%
- NOEL - No observed effect level
- NOAEL - No observed adverse effect level
- STOT-RE - Specific target organ toxicity (repeated exposure)
- STOT-SE - Specific target organ toxicity (single exposure)
- EC No. - European Community Number
- OECD - Organization for Economic Cooperation and Development

End of Safety Data Sheet