

CYCLONE PROFESSIONAL CREAM CLEANSER

Revision: 2024-08-01

Version: 01.0

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name: CYCLONE PROFESSIONAL CREAM CLEANSER

1.2 Recommended use and restrictions on use

Identified uses:

Cream cleanser

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: 0800 803 615 (toll free)

Website: www.diversey.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)

Call 0800 243 622 (24 hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Serious eye damage, Category 1

2.2 Label elements



Signal word: Danger

Hazard statements:

H318 - Causes serious eye damage.

Prevention statement(s):

P233 - Keep container tightly closed.

P280 - Wear eye or face protection.

Response statement(s):

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.

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#	EC number	Weight percent
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sodium carbonate	497-19-8	207-838-8	1-3
sodium alkylbenzenesulphonate	90194-45-9	290-656-6	1-3
C12-14 alcohols, ethoxylated (3EO)	68439-50-9	[4]	1-3
2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	1-3

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

[4] Polymer.

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Skin contact:	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
Eye contact:	Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.
Ingestion:	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
Self-protection of first aider:	Consider personal protective equipment as indicated in subsection 8.2.
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 13 11 26 (Australia Wide)

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.

5.4 Hazchem code

None allocated

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear eye/face protection.

6.2 Environmental precautions

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

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). 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.

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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. Avoid contact with 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)	Long term value(s)	Short term value(s)	Ceiling value(s)
Limestone	10 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.

Personal protective equipment

Eye / face protection: Safety glasses or goggles (AS/NZS 1337.1).
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**

	Method / remark
Physical state: Liquid	
Colour: Opaque , Yellow	
Odour: Product specific	
Odour threshold: Not applicable	
pH: ≈ 11 (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	
Flammability (liquid): Not flammable.	
Flash point (°C): Not applicable.	closed cup
Sustained combustion: Not applicable. (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	
Lower and upper explosion limit/flammability limit (%): Not determined	
Vapour pressure: Not determined	
Relative density: ≈ 1.40 (20 °C)	OECD 109 (EU A.3)
Relative vapour density: No data available.	Not relevant to classification of this product
Particle characteristics: No data available.	Not applicable to liquids.
Solubility in / Miscibility with water: Fully miscible	

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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.
Kinematic viscosity: ≈ 5750 mPa.s (20 °C)
Explosive properties: Not explosive.
Oxidising properties: Not oxidising.

Refer Test Method Notes

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): >2000

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)
Limestone	LD ₅₀	> 5000	Rat	Method not given	
sodium carbonate	LD ₅₀	2800	Rat	OECD 401 (EU B.1)	
sodium alkylbenzenesulphonate	LD ₅₀	> 1470	Rat	OECD 401 (EU B.1)	
C12-14 alcohols, ethoxylated (3EO)	LD ₅₀	> 5000	Rat	OECD 401 (EU B.1)	
2-(2-butoxyethoxy)ethanol	LD ₅₀	2410	Rat	Method not given	
C12-14 alcohols, ethoxylated (7EO)	LD ₅₀	> 300 - 2000	Rat	Read across	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Limestone		No data available			
sodium carbonate	LD ₅₀	> 2000	Rabbit	Method not given	
sodium alkylbenzenesulphonate		No data available			
C12-14 alcohols, ethoxylated (3EO)		No data available			
2-(2-butoxyethoxy)ethanol	LD ₅₀	2764	Rabbit	Method not given	

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C12-14 alcohols, ethoxylated (7EO)	LD ₅₀	> 2000	Rabbit	Method not given	
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Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Limestone		No data available			
sodium carbonate	LC ₅₀	> 2.3 (dust)		Weight of evidence	2
sodium alkylbenzenesulphonate		No data available			
C12-14 alcohols, ethoxylated (3EO)		No data available			
2-(2-butoxyethoxy)ethanol		No data available			
C12-14 alcohols, ethoxylated (7EO)		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Limestone	No data available			
sodium carbonate	Not irritant	Rabbit	OECD 404 (EU B.4)	
sodium alkylbenzenesulphonate	Irritant	Rabbit	OECD 404 (EU B.4)	
C12-14 alcohols, ethoxylated (3EO)	Not irritant			
2-(2-butoxyethoxy)ethanol	Not irritant	Rabbit	Method not given	
C12-14 alcohols, ethoxylated (7EO)	Not irritant		Read across	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Limestone	No data available			
sodium carbonate	Irritant	Rabbit	OECD 405 (EU B.5)	
sodium alkylbenzenesulphonate	Severe damage	Rabbit	OECD 405 (EU B.5)	
C12-14 alcohols, ethoxylated (3EO)	Irritant			
2-(2-butoxyethoxy)ethanol	Irritant	Rabbit	Method not given	
C12-14 alcohols, ethoxylated (7EO)	Severe damage	Rabbit	Read across	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Limestone	No data available			
sodium carbonate	No data available			
sodium alkylbenzenesulphonate	No data available			
C12-14 alcohols, ethoxylated (3EO)	No data available			
2-(2-butoxyethoxy)ethanol	No data available			
C12-14 alcohols, ethoxylated (7EO)	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Limestone	No data available			
sodium carbonate	Not sensitising		Method not given	
sodium alkylbenzenesulphonate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
C12-14 alcohols, ethoxylated (3EO)	No data available			
2-(2-butoxyethoxy)ethanol	Not sensitising	Guinea pig	Method not given	
C12-14 alcohols, ethoxylated (7EO)	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Limestone	No data available			
sodium carbonate	No data available			
sodium alkylbenzenesulphonate	No data available			
C12-14 alcohols, ethoxylated (3EO)	No data available			
2-(2-butoxyethoxy)ethanol	No data available			
C12-14 alcohols, ethoxylated (7EO)	No data available			

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CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
Limestone	No data available		No data available	
sodium carbonate	No data available		No data available	
sodium alkylbenzenesulphonate	No data available		No data available	
C12-14 alcohols, ethoxylated (3EO)	No data available		No data available	
2-(2-butoxyethoxy)ethanol	No evidence of genotoxicity, negative test results	Method not given	No evidence of genotoxicity, negative test results	Method not given
C12-14 alcohols, ethoxylated (7EO)	No evidence for mutagenicity, negative test results	Read across	No data available	

Carcinogenicity

Ingredient(s)	Effect
Limestone	No data available
sodium carbonate	No evidence for carcinogenicity, weight-of-evidence
sodium alkylbenzenesulphonate	No data available
C12-14 alcohols, ethoxylated (3EO)	No data available
2-(2-butoxyethoxy)ethanol	No data available
C12-14 alcohols, ethoxylated (7EO)	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
Limestone			No data available				
sodium carbonate			No data available				
sodium alkylbenzenesulphonate			No data available				
C12-14 alcohols, ethoxylated (3EO)			No data available				
2-(2-butoxyethoxy)ethanol			No data available				No evidence for developmental toxicity No evidence for reproductive toxicity
C12-14 alcohols, ethoxylated (7EO)			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
Limestone		No data available				
sodium carbonate		No data available				
sodium alkylbenzenesulphonate		No data available				
C12-14 alcohols, ethoxylated (3EO)		No data available				
2-(2-butoxyethoxy)ethanol		No data available				
C12-14 alcohols, ethoxylated (7EO)		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
Limestone		No data available				
sodium carbonate		No data available				
sodium alkylbenzenesulphonate		No data available				
C12-14 alcohols, ethoxylated (3EO)		No data available				
2-(2-butoxyethoxy)ethanol		No data available				
C12-14 alcohols, ethoxylated (7EO)		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Specific effects and organs
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	(mg/kg bw/d)	time (days)	affected
Limestone	No data available		
sodium carbonate	No data available		
sodium alkylbenzenesulphonate	No data available		
C12-14 alcohols, ethoxylated (3EO)	No data available		
2-(2-butoxyethoxy)ethanol	No data available		
C12-14 alcohols, ethoxylated (7EO)	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
Limestone			No data available					
sodium carbonate			No data available					
sodium alkylbenzenesulphonate			No data available					
C12-14 alcohols, ethoxylated (3EO)			No data available					
2-(2-butoxyethoxy)ethanol			No data available					
C12-14 alcohols, ethoxylated (7EO)			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
Limestone	No data available
sodium carbonate	Not applicable
sodium alkylbenzenesulphonate	No data available
C12-14 alcohols, ethoxylated (3EO)	No data available
2-(2-butoxyethoxy)ethanol	No data available
C12-14 alcohols, ethoxylated (7EO)	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Limestone	No data available
sodium carbonate	Not applicable
sodium alkylbenzenesulphonate	No data available
C12-14 alcohols, ethoxylated (3EO)	No data available
2-(2-butoxyethoxy)ethanol	No data available
C12-14 alcohols, ethoxylated (7EO)	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.

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)
Limestone	LC ₅₀	> 10000	<i>Oncorhynchus mykiss</i>	Method not given	96
sodium carbonate	LC ₅₀	300	<i>Lepomis macrochirus</i>	Method not given	96
sodium alkylbenzenesulphonate	LC ₅₀	1.67	<i>Lepomis macrochirus</i>	EPA-OPPTS 850.1075	96

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C12-14 alcohols, ethoxylated (3EO)	LC ₅₀	> 1-<10	<i>Brachydanio rerio</i>		96
2-(2-butoxyethoxy)ethanol	LC ₅₀	> 100	<i>Fish</i>	Method not given	
C12-14 alcohols, ethoxylated (7EO)	LC ₅₀	> 1 - 10	<i>Brachydanio rerio</i>	Read across	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Limestone	EC ₅₀	> 1000	<i>Daphnia magna Straus</i>	Method not given	48
sodium carbonate	EC ₅₀	200-227	<i>Ceriodaphnia dubia</i>	Method not given	96
sodium alkylbenzenesulphonate	EC ₅₀	1.62	<i>Daphnia magna Straus</i>		48
C12-14 alcohols, ethoxylated (3EO)	EC ₅₀	> 0.1-<1	<i>Daphnia magna Straus</i>		48
2-(2-butoxyethoxy)ethanol	EC ₅₀	> 100	<i>Daphnia magna Straus</i>	DIN 38412, Part 11	48
C12-14 alcohols, ethoxylated (7EO)	EC ₅₀	> 1 - 10	<i>Daphnia magna Straus</i>	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Limestone	EC ₅₀	> 200	<i>Desmodesmus subspicatus</i>	Method not given	72
sodium carbonate	EC ₅₀	> 800	<i>Selenastrum capricornutum</i>		72
sodium alkylbenzenesulphonate	EC ₅₀	29	<i>Selenastrum capricornutum</i>		96
C12-14 alcohols, ethoxylated (3EO)	NOEC	> 0.1-<1	<i>Desmodesmus subspicatus</i>		
2-(2-butoxyethoxy)ethanol	EC ₅₀	> 100	<i>Desmodesmus subspicatus</i>	Method not given	
C12-14 alcohols, ethoxylated (7EO)	NOEC	> 0.1 - 1	<i>Not specified</i>	DIN 38412, Part 9 OECD 201 (EU C.3)	

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Limestone		No data available			
sodium carbonate		No data available			
sodium alkylbenzenesulphonate		No data available			
C12-14 alcohols, ethoxylated (3EO)		No data available			
2-(2-butoxyethoxy)ethanol		No data available			
C12-14 alcohols, ethoxylated (7EO)		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Limestone		No data available			
sodium carbonate		No data available			
sodium alkylbenzenesulphonate		No data available			
C12-14 alcohols, ethoxylated (3EO)	EC ₀	> 10000	<i>Pseudomonas putida</i>	DIN 38412 / Part 8	
2-(2-butoxyethoxy)ethanol	EC ₁₀	1170	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
C12-14 alcohols, ethoxylated (7EO)		> 1000	<i>Activated sludge</i>	DEV-L2	

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Limestone		No data available				
sodium carbonate		No data available				

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sodium alkylbenzenesulphonate	NOEC	> 2.5-1		Method not given		
C12-14 alcohols, ethoxylated (3EO)		No data available				
2-(2-butoxyethoxy)ethanol		No data available				
C12-14 alcohols, ethoxylated (7EO)	EC ₅₀	10-100	<i>Not specified</i>	Method not given	96 hour(s)	

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Limestone		No data available				
sodium carbonate		No data available				
sodium alkylbenzenesulphonate		No data available				
C12-14 alcohols, ethoxylated (3EO)		No data available				
2-(2-butoxyethoxy)ethanol		No data available				
C12-14 alcohols, ethoxylated (7EO)	EC ₅₀	10-100	<i>Not specified</i>	Method not given	48 hour(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
sodium carbonate		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
sodium carbonate		No data available				

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available				

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available				

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available				

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available				

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
sodium carbonate	No data available			

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh	Method	Evaluation	Remark
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	water			
sodium carbonate	No data available		Rapidly hydrolysible	

Abiotic degradation - other processes, if available:

Ingredient(s)	Type	Half-life time	Method	Evaluation	Remark
sodium carbonate		No data available			

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
Limestone					Not applicable (inorganic substance)
sodium carbonate					Not applicable (inorganic substance)
sodium alkylbenzenesulphonate	Activated sludge, aerobe	CO ₂ production	85% in 29 day(s)	OECD 301B	Readily biodegradable
C12-14 alcohols, ethoxylated (3EO)	Activated sludge, aerobe	CO ₂ production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
2-(2-butoxyethoxy)ethanol	Activated sludge, aerobe	COD removal	95% in 28 day(s)	OECD 301C	Readily biodegradable
C12-14 alcohols, ethoxylated (7EO)		CO ₂ production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Ingredient(s)	Medium & Type	Analytical method	DT ₅₀	Method	Evaluation
sodium carbonate					No data available

Degradation in relevant environmental compartments, if available:

Ingredient(s)	Medium & Type	Analytical method	DT ₅₀	Method	Evaluation
sodium carbonate					No data available

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
Limestone	No data available			
sodium carbonate	No data available		No bioaccumulation expected	
sodium alkylbenzenesulphonate	No data available			
C12-14 alcohols, ethoxylated (3EO)	No data available			
2-(2-butoxyethoxy)ethanol	0.56	Method not given	No bioaccumulation expected	
C12-14 alcohols, ethoxylated (7EO)	No data available		No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Limestone	No data available				
sodium carbonate	No data available			No bioaccumulation expected	
sodium alkylbenzenesulphonate	No data available				
C12-14 alcohols, ethoxylated (3EO)	No data available				
2-(2-butoxyethoxy)ethanol	1.4		QSAR	Low potential for bioaccumulation	
C12-14 alcohols, ethoxylated (7EO)	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
Limestone	No data available				
sodium carbonate	No data available				Potential for mobility in soil, soluble in water
sodium alkylbenzenesulphonate	No data available				
C12-14 alcohols, ethoxylated (3EO)	No data available				
2-(2-butoxyethoxy)ethanol	No data available				Potential for mobility in soil, soluble in water
C12-14 alcohols, ethoxylated (7EO)	No data available	≥ 4			Potential for adsorption to soil

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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**ADG, IMO/IMDG, ICAO/IATA**

14.1 UN number or ID number: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods

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

14.4 Packing group: Non-dangerous goods

14.5 Environmental hazards: Non-dangerous goods

14.6 Special precautions for user: Non-dangerous goods

14.7 Maritime transport in bulk according to IMO instruments: The product is not transported in bulk tankers. Non-dangerous goods

Other relevant information:

Hazchem code: None allocated

ADR

IMO/IMDG

This product has been classified, labelled and package in accordance with the requirements of the NZ Land Transport Rule: Dangerous Goods, ADG, and the provisions of the IMDG Code.

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****HSNO Approval Number**

HSR002530.

Group standard

Cleaning Products (Subsidiary Hazard) Group Standard 2020

Inventory Listing(s)

New Zealand: NZIoC (New Zealand Inventory of Chemicals)

HSNO Classification

8.3A - Corrosive to ocular tissue

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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Additional information:

Respirators: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

Work practices - solvents: Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

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

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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).

Personal protective equipment guidelines: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Health effects from exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Safety Data Sheet which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations and acronyms:

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

End of Safety Data Sheet