

Suma Bac conc D10 conc

Revision: 2025-02-28

Version: 01.0

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name: Suma Bac conc D10 conc

1.2 Recommended use and restrictions on use

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

Skin corrosion, Category 1B

Serious eye damage, Category 1

Acute toxicity, oral, Category 4

Skin sensitisation, Category 1

Acute aquatic toxicity, Category 1

Chronic aquatic toxicity, Category 2

2.2 Label elements



Signal word: Danger

Hazard statements:

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H410 - Very toxic to aquatic life with long lasting effects.

Prevention statement(s):

P233 - Keep container tightly closed.

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

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

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves, protective clothing and eye or face protection.

Response statement(s):

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P330 - Rinse mouth.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

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P363 - Wash contaminated clothing before reuse.

Storage statement(s):

P405 - Store locked up.

Disposal statement(s):

P501 - Dispose of unused content as chemical waste.

2.3 Other hazards

No other hazards known.

2.4 Classification diluted product:

Recommended maximum concentration (% w/w): 3

Not classified as hazardous

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

Ingredient(s)	CAS#	EC number	Weight percent
alkyl alcohol ethoxylate	69011-36-5	[4]	10-30
Didecyltrimethyl ammonium chloride	7173-51-5	230-525-2	3-10
alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	270-325-2	3-10
trisodium citrate	68-04-2	200-675-3	3-10
sodium carbonate	497-19-8	207-838-8	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****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. Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Remove person to fresh air and keep comfortable for breathing. Get medical attention or advice if you feel unwell.

Inhalation:**Skin contact:**

Wash skin with plenty of lukewarm, gently flowing water for at least 30 minutes. Take off immediately all contaminated clothing and wash it before reuse. Immediately call a POISON CENTRE, doctor or physician.

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. Do NOT induce vomiting. Keep at rest. Immediately 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:

Shower and eyewash facilities should be considered in a workplace where necessary. 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:

Causes severe burns. May cause an allergic skin reaction.

Eye contact:

Causes severe or permanent damage.

Ingestion:

Ingestion will lead to a strong caustic effect on mouth and throat and to the danger of perforation of oesophagus and stomach.

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**

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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

•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 suitable protective clothing. Wear eye/face protection. Wear suitable gloves.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advice on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Avoid contact with skin and eyes. Do not breathe spray. 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:

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:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls:

If the product is diluted by using specific dosing systems with no risk of splashes or direct skin

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Appropriate organisational controls:	contact, the personal protection equipment as described in this section is not required. Avoid direct contact and/or splashes where possible. Train personnel.
Personal protective equipment	
Eye / face protection:	Safety glasses or goggles (AS/NZS 1337.1). The use of a full-face shield or other full-face protection is strongly recommended when handling open containers or if splashes may occur.
Hand protection:	Chemical-resistant protective gloves (AS/NZS 2161.10). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature. Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.
Body protection:	Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605).
Respiratory protection:	If exposure to liquid particles or splashes cannot be avoided use: half mask (EN 140) or full-face mask (EN 136) with particle filter P2 (EN 143) Consider specific local use conditions. In consultation with the supplier of respiratory protection equipment a different type providing similar protection may be chosen. Specific applications tools may be available to limit exposure. Please refer to the product information sheet for the possibilities. Apply technical measures to comply with the occupational exposure limits, if available.
Environmental exposure controls:	Should not reach sewage water or drainage ditch undiluted or unneutralised.
<i>Recommended safety measures for handling the <u>diluted</u> product:</i>	
Recommended maximum concentration (% w/w): 3	
Appropriate engineering controls:	Use only in well ventilated areas.
Appropriate organisational controls:	No special requirements under normal use conditions.
Personal protective equipment	
Eye / face protection:	No special requirements under normal use conditions.
Hand protection:	Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
Body protection:	No special requirements under normal use conditions
Respiratory protection:	Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.
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: Clear , Purple	
Odour: Product specific	
Odour threshold: Not applicable	
pH: No information available.	
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): > 76 °C	closed cup
Sustained combustion: The product does not sustain combustion (UN Manual of Tests and Criteria, section 32, L.2)	Weight of evidence
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: Not determined	
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	
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: Not determined

DM-006 Viscosity - Standard

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): 2000

ATE - Inhalatory, mists (mg/l): >5

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	LD ₅₀	> 300-2000	Rat	OECD 423 (EU B.1 tris)	
Didecylmethyl ammonium chloride	LD ₅₀	238	Rat	Method not given	
alkyl (C12-16) dimethylbenzyl ammonium chloride	LD ₅₀	> 300-2000	Rat	OECD 401 (EU B.1)	
alkyl alcohol ethoxylate	LD ₅₀	> 2000	Rat	OECD 423 (EU B.1 tris)	
sodium carbonate	LD ₅₀	2800	Rat	OECD 401 (EU B.1)	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
alkyl alcohol ethoxylate	LD ₅₀	> 2000	Rabbit	Method not given	
Didecylmethyl ammonium chloride		No data available			
alkyl (C12-16) dimethylbenzyl ammonium chloride		No data available			
alkyl alcohol ethoxylate	LD ₅₀	> 2000	Rat	Method not given	
sodium carbonate	LD ₅₀	> 2000	Rabbit	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
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alkyl alcohol ethoxylate		No data available			
Didecylmethyl ammonium chloride		No data available			
alkyl (C12-16) dimethylbenzyl ammonium chloride		No data available			
alkyl alcohol ethoxylate		No data available			
sodium carbonate	LC ₅₀	> 2.3 (dust)		Weight of evidence	2

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol ethoxylate	Not irritant	Rabbit	OECD 404 (EU B.4)	
Didecylmethyl ammonium chloride	Corrosive	Rabbit	OECD 404 (EU B.4)	
alkyl (C12-16) dimethylbenzyl ammonium chloride	Corrosive	Rabbit		
alkyl alcohol ethoxylate	Not irritant	Rabbit	Weight of evidence Non guideline test	
sodium carbonate	Not irritant	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol ethoxylate	Severe damage	Rabbit	Method not given	
Didecylmethyl ammonium chloride	Severe damage			
alkyl (C12-16) dimethylbenzyl ammonium chloride	Severe damage	Rabbit		
alkyl alcohol ethoxylate	Severe damage	Rabbit	Weight of evidence Non guideline test	
sodium carbonate	Irritant	Rabbit	OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol ethoxylate	No data available			
Didecylmethyl ammonium chloride	No data available			
alkyl (C12-16) dimethylbenzyl ammonium chloride	No data available			
alkyl alcohol ethoxylate	No data available			
sodium carbonate	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
alkyl alcohol ethoxylate	Not sensitising	Guinea pig	Method not given	
Didecylmethyl ammonium chloride	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
alkyl (C12-16) dimethylbenzyl ammonium chloride	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
alkyl alcohol ethoxylate	Not sensitising	Guinea pig		
sodium carbonate	Not sensitising		Method not given	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol ethoxylate	No data available			
Didecylmethyl ammonium chloride	No data available			
alkyl (C12-16) dimethylbenzyl ammonium chloride	No data available			
alkyl alcohol ethoxylate	No data available			
sodium carbonate	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 evidence of genotoxicity, negative test results	Method not given	No evidence of genotoxicity, negative test results	Method not given
Didecylmethyl ammonium chloride	No evidence of genotoxicity, negative test results	OECD 471 (EU B.12/13) OECD 473 OECD 476	No data available	
alkyl (C12-16) dimethylbenzyl ammonium chloride	No data available		No data available	
alkyl alcohol ethoxylate	No evidence for mutagenicity	OECD 471 (EU B.12/13)	No evidence for mutagenicity, negative test results	Weight of evidence

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sodium carbonate	No data available		No data available	
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Carcinogenicity

Ingredient(s)	Effect
alkyl alcohol ethoxylate	No evidence for carcinogenicity, weight-of-evidence
Didecyltrimethyl ammonium chloride	No data available
alkyl (C12-16) dimethylbenzyl ammonium chloride	No data available
alkyl alcohol ethoxylate	No evidence for carcinogenicity, weight-of-evidence
sodium carbonate	No evidence for carcinogenicity, weight-of-evidence

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
alkyl alcohol ethoxylate	NOAEL	Teratogenic effects	> 50	Rat	Not known		No known significant effects or critical hazards
Didecyltrimethyl ammonium chloride			No data available				
alkyl (C12-16) dimethylbenzyl ammonium chloride			No data available				
alkyl alcohol ethoxylate			-		Weight of evidence		No evidence for reproductive toxicity No evidence for teratogenic effects
sodium carbonate			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				
Didecyltrimethyl ammonium chloride		No data available				
alkyl (C12-16) dimethylbenzyl ammonium chloride		No data available				
alkyl alcohol ethoxylate		No data available				
sodium carbonate		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				
Didecyltrimethyl ammonium chloride		No data available				
alkyl (C12-16) dimethylbenzyl ammonium chloride		No data available				
alkyl alcohol ethoxylate		No data available				
sodium carbonate		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				
Didecyltrimethyl ammonium chloride		No data available				
alkyl (C12-16) dimethylbenzyl ammonium chloride		No data available				
alkyl alcohol ethoxylate		No data available				
sodium carbonate		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	Oral	NOAEL	50	Rat	Method not given	24 month(s)	Effects on organ weights	
Didecyltrimethyl ammonium chloride			No data available					

alkyl (C12-16) dimethylbenzyl ammonium chloride			No data available					
alkyl alcohol ethoxylate			No data available					
sodium carbonate			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
alkyl alcohol ethoxylate	Not applicable
Didecylmethyl ammonium chloride	No data available
alkyl (C12-16) dimethylbenzyl ammonium chloride	No data available
alkyl alcohol ethoxylate	Not applicable
sodium carbonate	Not applicable

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
alkyl alcohol ethoxylate	Not applicable
Didecylmethyl ammonium chloride	No data available
alkyl (C12-16) dimethylbenzyl ammonium chloride	No data available
alkyl alcohol ethoxylate	Not applicable
sodium carbonate	Not applicable

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)
alkyl alcohol ethoxylate	LC ₅₀	> 1 - 10	<i>Cyprinus carpio</i>	OECD 203 (EU C.1)	96
Didecylmethyl ammonium chloride	LC ₅₀	0.97	<i>Brachydanio rerio</i>	OECD 203 (EU C.1)	96
alkyl (C12-16) dimethylbenzyl ammonium chloride	LC ₅₀	> 0.1-1	<i>Lepomis macrochirus</i>	OPP 72-1, static (EPA)	96
alkyl alcohol ethoxylate	LC ₅₀	> 1 - 10	<i>Cyprinus carpio</i>	OECD 203 (EU C.1)	96
sodium carbonate	LC ₅₀	300	<i>Lepomis macrochirus</i>	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
alkyl alcohol ethoxylate	EC ₅₀	1 - 10	<i>Daphnia magna</i> Straus	OECD 202, static	48
Didecylmethyl ammonium chloride	EC ₅₀	0.053	<i>Daphnia magna</i> Straus	OECD 202 (EU C.2)	48
alkyl (C12-16) dimethylbenzyl ammonium chloride	EC ₅₀	> 0.01-0.1	<i>Daphnia magna</i> Straus	OECD 202 (EU C.2)	48
alkyl alcohol ethoxylate	EC ₅₀	> 1 - 10	<i>Daphnia magna</i> Straus	OECD 202 (EU C.2)	48
sodium carbonate	EC ₅₀	200-227	<i>Ceriodaphnia dubia</i>	Method not given	96

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
alkyl alcohol ethoxylate	EC ₅₀	1 - 10	<i>Desmodesmus subspicatus</i>	OECD 201, static	72
Didecylmethyl ammonium chloride	EC ₅₀	0.053	<i>Pseudokirchneriella subcapitata</i>	OECD 201 (EU C.3)	72

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alkyl (C12-16) dimethylbenzyl ammonium chloride	EC ₅₀	> 0.01-0.1	<i>Pseudokirchneriella subcapitata</i>	OECD 201 (EU C.3)	72
alkyl alcohol ethoxylate	EC ₅₀	> 1 - 10	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
sodium carbonate	EC ₅₀	> 800	<i>Selenastrum capricornutum</i>		72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
alkyl alcohol ethoxylate		No data available			
Didecylmethyl ammonium chloride		No data available			
alkyl (C12-16) dimethylbenzyl ammonium chloride		No data available			
alkyl alcohol ethoxylate		No data available			
sodium carbonate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
alkyl alcohol ethoxylate	EC ₁₀	> 10000	Activated sludge	DIN 38412 / Part 8	17 hour(s)
Didecylmethyl ammonium chloride		No data available			
alkyl (C12-16) dimethylbenzyl ammonium chloride		No data available			
alkyl alcohol ethoxylate	EC ₅₀	140	Activated sludge	Weight of evidence	17 hour(s)
sodium carbonate		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				
Didecylmethyl ammonium chloride		No data available				
alkyl (C12-16) dimethylbenzyl ammonium chloride		No data available				
alkyl alcohol ethoxylate	NOEC	1.73	Not specified	QSAR Weight of evidence	96 hour(s)	
sodium carbonate		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				
Didecylmethyl ammonium chloride	NOEC	> 0.01-0.1	<i>Daphnia magna</i>	OECD 211	21 day(s)	
alkyl (C12-16) dimethylbenzyl ammonium chloride	NOEC	> 0.01-0.1	<i>Daphnia magna</i>	OECD 211	21 day(s)	
alkyl alcohol ethoxylate	NOEC	1.36	<i>Daphnia magna</i> Not specified	QSAR Weight of evidence	21 day(s)	
sodium carbonate		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
Didecylmethyl ammonium chloride		No data available				
sodium carbonate		No data available				

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

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Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
alkyl alcohol ethoxylate	NOEC	220	<i>Eisenia fetida</i>			
Didecylmethyl ammonium chloride		No data available				
alkyl alcohol ethoxylate	LD ₅₀	> 1000	<i>Eisenia fetida</i>	OECD 207	14	
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
alkyl alcohol ethoxylate	NOEC	10	<i>Lepidium sativum</i>	OECD 208		
Didecylmethyl ammonium chloride		No data available				
alkyl alcohol ethoxylate	EC ₅₀	> 100	<i>Triticum aestivum</i> <i>Lepidium sativum</i> <i>Brassica alba</i>	OECD 208		
sodium carbonate		No data available				

Terrestrial toxicity - birds, if available:

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

Abiotic degradation - hydrolysis, if available:

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

Abiotic degradation - other processes, if available:

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

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical	DT ₅₀	Method	Evaluation
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		method			
alkyl alcohol ethoxylate	Activated sludge, aerobe	CO ₂ production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
Didecylmethyl ammonium chloride		Oxygen depletion	> 60%	OECD 301D	Readily biodegradable
alkyl (C12-16) dimethylbenzyl ammonium chloride	Activated sludge, aerobe	Oxygen depletion	63% in 28 day(s)	OECD 301D	Readily biodegradable
alkyl alcohol ethoxylate		CO ₂ production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
sodium carbonate					Not applicable (inorganic substance)

Ready biodegradability - anaerobic and marine conditions, if available:

Ingredient(s)	Medium & Type	Analytical method	DT ₅₀	Method	Evaluation
Didecylmethyl ammonium chloride					No data available
alkyl alcohol ethoxylate					Biodegradable
sodium carbonate					No data available

Degradation in relevant environmental compartments, if available:

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

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
alkyl alcohol ethoxylate	4.09	QSAR	No bioaccumulation expected	
Didecylmethyl ammonium chloride	No data available			
alkyl (C12-16) dimethylbenzyl ammonium chloride	< 3	OECD 107	No bioaccumulation expected	at 20 °C
alkyl alcohol ethoxylate	No data available		Not relevant, does not bioaccumulate	
sodium carbonate	No data available		No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
alkyl alcohol ethoxylate	-			No bioaccumulation expected	
Didecylmethyl ammonium chloride	2.1		Method not given	No bioaccumulation expected	
alkyl (C12-16) dimethylbenzyl ammonium chloride	No data available				
alkyl alcohol ethoxylate	No data available				
sodium carbonate	No data available			No bioaccumulation expected	

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				Immobile in soil or sediment
Didecylmethyl ammonium chloride	No data available				
alkyl (C12-16) dimethylbenzyl ammonium chloride	No data available				
alkyl alcohol ethoxylate	No data available				
sodium carbonate	No data available				Potential for mobility in soil, soluble in water

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:****Suitable cleaning agents:**

Dispose of observing national or local regulations.
Water, if necessary with cleaning agent.

SECTION 14: Transport information**ADG, IMO/IMDG, ICAO/IATA****14.1 UN number or ID number:** 3082**14.2 UN proper shipping name:**

Environmentally hazardous substance, liquid, n.o.s. (quaternary ammonium compounds)

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 Maritime transport in bulk according to IMO instruments:** The product is not transported in bulk tankers.**Other relevant information:****Hazchem code:** +3Z**IMO/IMDG****EmS:** F-A, S-F

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 dangerous goods packed in small quantities classified under UN3077 or UN3082

(a) IMDG 2.10.2.7 exception: Labelling and packaging not subject to this Code when package in single or combination packagings containing a net quantity per single or inner packaging of 5L(kg) or less

ADG 7.8 SP No. AU01 exception: Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in packagings not > 500 kg(L) or IBCs.

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

HSR002526.

Group standard

Cleaning Products (Corrosive) Group Standard 2020

Inventory Listing(s)

New Zealand: NZIoC (New Zealand Inventory of Chemicals)

All components are listed on the NZIoC inventory, or are exempt

HSNO Classification

6.1D - Acutely toxic (oral)

6.5B - Contact sensitisers

8.2C - Corrosive to dermal tissue

8.3A - Corrosive to ocular tissue

9.1A - Very ecotoxic in the aquatic environment

SECTION 16: Other information

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

SDS code: MS3200759**Version:** 01.0**Revision:** 2025-02-28**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%

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- 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