



TASKI CREW SHOWER TUB & TILE J-FILL

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Version: 01.0

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name: TASKI CREW SHOWER TUB & TILE J-FILL

1.2 Recommended use and restrictions on use

Identified uses:

Hard surface cleaner

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

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

HSNO Classification

8.2C - Corrosive to dermal tissue

8.3A - Corrosive to ocular tissue

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

GHS Equivalent Classification

Skin corrosion, Category 1C

Serious eye damage, Category 1

Acute aquatic toxicity, Category 3

2.2 Label elements



Signal word: Danger

Hazard statements:

H314 - Causes severe skin burns and eye damage.

H402 - Harmful to aquatic life.

Prevention statement(s):

P233 - Keep container tightly closed.

P260 - Do not breathe vapours.

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

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.

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.

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P321 - Specific treatment (see supplemental first aid instructions on this label).
 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 (%): 2.44

HSNO Classification

6.3B - Mildly irritating to the skin

GHS Equivalent Classification

Skin irritation, Category 3

2.5 Label elements diluted product

Dilution Signal word: Warning.

H316 - Causes mild skin irritation.

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

Ingredient(s)	CAS number	EC number	Weight percent
citric acid	77-92-9	201-069-1	10-30
glycolic acid	79-14-1	201-180-5	10-30
alkyl alcohol ethoxylate	68439-46-3	[4]	10-30
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	14960-06-6	239-032-7	1-3
4-tert-butylcyclohexyl acetate	32210-23-4	250-954-9	0.1-1
p-Methylacetophenone	122-00-9	204-514-8	0.1-1
p-menthan-8-yl acetate	58985-18-5	261-543-9	0.1-1
pentyl salicylate	2050-08-0	218-080-2	0.1-1
sodium acrylate	7446-81-3	231-209-7	0.1-1

[4] Polymer.

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:**

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.

Inhalation:

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

Skin contact:

Take off immediately all contaminated clothing and wash it before re-use. 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.

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.

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

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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**

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

2X

2 - Fine water spray

X - Liquid-tight chemical protective clothing and breathing apparatus. Contain.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Do not breathe dust or vapour. Wear suitable protective clothing, gloves and 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

Use neutralising agent. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Ensure adequate ventilation.

6.4 Reference to other sections

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

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

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

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

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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 contact, the personal protection equipment as described in this section is not required.

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

Personal protective equipment

Eye / face protection: Safety glasses or goggles (EN 166). 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 (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Body protection: Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605).

Respiratory protection: Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

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

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 2.44

Appropriate engineering controls: Use only in well ventilated areas. Ensure that foam equipment does not generate respirable particles.

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

Personal protective equipment

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

Hand protection: No special requirements under normal use conditions.

Body protection: No special requirements under normal use conditions.

Respiratory protection: Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

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, Dark Red	
Odour: Fresh	
Odour threshold: Not applicable	
pH: ≈ 1.6 (neat)	ISO 4316
Dilution pH: < 3 (1%)	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): > 93.4	closed cup
Sustained combustion: No (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: ≈ 1.1328 (20 °C)	OECD 109 (EU A.3)
Solubility in / Miscibility with Water: Fully miscible	
Partition coefficient: n-octanol/water No information available.	

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

Autoignition temperature: Not determined

Decomposition temperature: Not applicable.

Viscosity: Not determined

Explosive properties: Not explosive.

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

Reacts with alkali. Keep away from products containing chlorine-based bleaching agents or sulphites.

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): >5000

ATE - Inhalatory, vapours (mg/l): 88

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)
citric acid	LD ₅₀	3000	Rat	Method not given	
glycolic acid	LD ₅₀	2040	Rat	EPA OPP 81-1	
alkyl alcohol ethoxylate	LD ₅₀	300 - 2000		Method not given	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available			
4-tert-butylcyclohexyl acetate		No data available			
p-Methylacetophenone		No data available			
p-menthan-8-yl acetate		No data available			
pentyl salicylate		No data available			
sodium acrylate		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
citric acid	LD ₅₀	> 2000	Rat	Method not given	
glycolic acid		No data available			
alkyl alcohol ethoxylate	LD ₅₀	2000 - 5000	Rat	Method not given	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available			
4-tert-butylcyclohexyl acetate		No data			

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		available			
p-Methylacetophenone		No data available			
p-menthan-8-yl acetate		No data available			
pentyl salicylate		No data available			
sodium acrylate		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
citric acid		No data available			
glycolic acid	LC ₅₀	3.6 (mist)	Rat	OECD 403 (EU B.2)	4
alkyl alcohol ethoxylate		No data available			
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available			
4-tert-butylcyclohexyl acetate		No data available			
p-Methylacetophenone		No data available			
p-menthan-8-yl acetate		No data available			
pentyl salicylate		No data available			
sodium acrylate		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
citric acid	Not irritant	Rabbit	OECD 404 (EU B.4)	
glycolic acid	Corrosive	Rabbit	Method not given	
alkyl alcohol ethoxylate	Not irritant		Method not given	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available			
4-tert-butylcyclohexyl acetate	No data available			
p-Methylacetophenone	No data available			
p-menthan-8-yl acetate	No data available			
pentyl salicylate	No data available			
sodium acrylate	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
citric acid	Irritant	Rabbit	OECD 405 (EU B.5)	
glycolic acid	Corrosive	Rabbit	OECD 405 (EU B.5)	
alkyl alcohol ethoxylate	Severe damage	Rabbit	Method not given	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available			
4-tert-butylcyclohexyl acetate	No data available			
p-Methylacetophenone	No data available			
p-menthan-8-yl acetate	No data available			
pentyl salicylate	No data available			
sodium acrylate	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
citric acid	No data available			
glycolic acid	No data available			
alkyl alcohol ethoxylate	No data available			
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available			
4-tert-butylcyclohexyl acetate	No data available			
p-Methylacetophenone	No data available			
p-menthan-8-yl acetate	No data available			
pentyl salicylate	No data available			
sodium acrylate	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
citric acid	Not sensitising	Guinea pig	Method not given	

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glycolic acid	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
alkyl alcohol ethoxylate	Not sensitising	Guinea pig	Method not given	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available			
4-tert-butylcyclohexyl acetate	No data available			
p-Methylacetophenone	No data available			
p-menthan-8-yl acetate	No data available			
pentyl salicylate	No data available			
sodium acrylate	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
citric acid	No data available			
glycolic acid	No data available			
alkyl alcohol ethoxylate	No data available			
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available			
4-tert-butylcyclohexyl acetate	No data available			
p-Methylacetophenone	No data available			
p-menthan-8-yl acetate	No data available			
pentyl salicylate	No data available			
sodium acrylate	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)
citric acid	No data available		No evidence of genotoxicity, negative test results	Method not given
glycolic acid	No evidence for mutagenicity		No evidence for mutagenicity	Method not given
alkyl alcohol ethoxylate	No evidence for mutagenicity, negative test results	OECD 473	No data available	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available		No data available	
4-tert-butylcyclohexyl acetate	No data available		No data available	
p-Methylacetophenone	No data available		No data available	
p-menthan-8-yl acetate	No data available		No data available	
pentyl salicylate	No data available		No data available	
sodium acrylate	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
citric acid	No evidence for carcinogenicity, negative test results
glycolic acid	No evidence for carcinogenicity, weight-of-evidence
alkyl alcohol ethoxylate	No evidence for carcinogenicity, negative test results
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available
4-tert-butylcyclohexyl acetate	No data available
p-Methylacetophenone	No data available
p-menthan-8-yl acetate	No data available
pentyl salicylate	No data available
sodium acrylate	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
citric acid			No data available				No evidence for reproductive toxicity
glycolic acid			No data available				No evidence for reproductive toxicity
alkyl alcohol ethoxylate	NOAEL		> 250	Rat	Not known		No effects on fertility No developmental toxicity
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate			No data available				
4-tert-butylcyclohexyl acetate			No data available				
p-Methylacetophenone			No data available				
p-menthan-8-yl acetate			No data available				
pentyl salicylate			No data available				
sodium acrylate			No data available				

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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
citric acid		No data available				
glycolic acid	NOAEL	150	Rat	OECD 408 (EU B.26)	90	No adverse effects observed
alkyl alcohol ethoxylate	NOAEL	80 - 400		Method not given		
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available				
4-tert-butylcyclohexyl acetate		No data available				
p-Methylacetophenone		No data available				
p-menthan-8-yl acetate		No data available				
pentyl salicylate		No data available				
sodium acrylate		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
citric acid		No data available				
glycolic acid		No data available				
alkyl alcohol ethoxylate	NOAEL	80		OECD 411 (EU B.28)	90	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available				
4-tert-butylcyclohexyl acetate		No data available				
p-Methylacetophenone		No data available				
p-menthan-8-yl acetate		No data available				
pentyl salicylate		No data available				
sodium acrylate		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
citric acid		No data available				
glycolic acid		No data available				
alkyl alcohol ethoxylate		No data available				
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available				
4-tert-butylcyclohexyl acetate		No data available				
p-Methylacetophenone		No data available				
p-menthan-8-yl acetate		No data available				
pentyl salicylate		No data available				
sodium acrylate		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
citric acid			No data available					
glycolic acid			No data available					
alkyl alcohol ethoxylate			No data available					
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate			No data available					
4-tert-butylcyclohexyl acetate			No data available					

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p-Methylacetophenone			No data available				
p-menthan-8-yl acetate			No data available				
pentyl salicylate			No data available				
sodium acrylate			No data available				

STOT-single exposure

Ingredient(s)	Affected organ(s)
citric acid	No data available
glycolic acid	No data available
alkyl alcohol ethoxylate	No data available
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available
4-tert-butylcyclohexyl acetate	No data available
p-Methylacetophenone	No data available
p-menthan-8-yl acetate	No data available
pentyl salicylate	No data available
sodium acrylate	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
citric acid	No data available
glycolic acid	No data available
alkyl alcohol ethoxylate	No data available
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available
4-tert-butylcyclohexyl acetate	No data available
p-Methylacetophenone	No data available
p-menthan-8-yl acetate	No data available
pentyl salicylate	No data available
sodium acrylate	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)
citric acid	LC ₅₀	440	<i>Leuciscus idus</i>	Method not given	48
glycolic acid	LC ₅₀	164	<i>Pimephales promelas</i>	Method not given	96
alkyl alcohol ethoxylate	LC ₅₀	5 - 7	Fish	92/69/EEC, C1, semi-static	96
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available			
4-tert-butylcyclohexyl acetate		No data available			
p-Methylacetophenone		No data available			
p-menthan-8-yl acetate		No data available			
pentyl salicylate		No data available			
sodium acrylate		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
citric acid	EC ₅₀	1535	<i>Daphnia magna</i> Straus	Method not given	24
glycolic acid	EC ₅₀	141	<i>Daphnia</i>	Method not given	48

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			<i>magna Straus</i>		
alkyl alcohol ethoxylate	EC ₅₀	5.3	<i>Daphnia</i>	92/69/EEC	48
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available			
4-tert-butylcyclohexyl acetate		No data available			
p-Methylacetophenone		No data available			
p-menthan-8-yl acetate		No data available			
pentyl salicylate		No data available			
sodium acrylate		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
citric acid	LC ₅₀	425	<i>Scenedesmus quadricauda</i>	Method not given	168
glycolic acid	E _r C ₅₀	44	<i>Pseudokirchneriella subcapitata</i>	OECD 201 (EU C.3)	72
alkyl alcohol ethoxylate	EC ₅₀	1.4 - 47	<i>Not specified</i>	92/69/EEC	72
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available			
4-tert-butylcyclohexyl acetate		No data available			
p-Methylacetophenone		No data available			
p-menthan-8-yl acetate		No data available			
pentyl salicylate		No data available			
sodium acrylate		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
citric acid		No data available			-
glycolic acid		No data available			-
alkyl alcohol ethoxylate		No data available			-
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available			
4-tert-butylcyclohexyl acetate		No data available			
p-Methylacetophenone		No data available			
p-menthan-8-yl acetate		No data available			
pentyl salicylate		No data available			
sodium acrylate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
citric acid	EC ₅₀	> 10000	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
glycolic acid		No data available			
alkyl alcohol ethoxylate	EC ₅₀	> 140	<i>Bacteria</i>	Method not given	3 hour(s)
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available			
4-tert-butylcyclohexyl acetate		No data available			
p-Methylacetophenone		No data available			
p-menthan-8-yl acetate		No data available			
pentyl salicylate		No data available			
sodium acrylate		No data available			

Aquatic long-term toxicity

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Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
citric acid		No data available				
glycolic acid		No data available				
alkyl alcohol ethoxylate	EC ₁₀	8.983	<i>Not specified</i>	Method not given	21 day(s)	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available				
4-tert-butylcyclohexyl acetate		No data available				
p-Methylacetophenone		No data available				
p-menthan-8-yl acetate		No data available				
pentyl salicylate		No data available				
sodium acrylate		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
citric acid		No data available				
glycolic acid		No data available				
alkyl alcohol ethoxylate	EC ₁₀	2.579	<i>Daphnia sp.</i>	Method not given	21 day(s)	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available				
4-tert-butylcyclohexyl acetate		No data available				
p-Methylacetophenone		No data available				
p-menthan-8-yl acetate		No data available				
pentyl salicylate		No data available				
sodium acrylate		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
citric acid		No data available			-	
glycolic acid		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate		No data available				
4-tert-butylcyclohexyl acetate		No data available				
p-Methylacetophenone		No data available				
p-menthan-8-yl acetate		No data available				
pentyl salicylate		No data available				
sodium acrylate		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
citric acid		No data available			-	
glycolic acid		No data available			-	
alkyl alcohol ethoxylate		No data available			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw)	Species	Method	Exposure time (days)	Effects observed
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		soil)				
citric acid		No data available			-	
glycolic acid		No data available			-	
alkyl alcohol ethoxylate		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
citric acid		No data available			-	
glycolic acid		No data available			-	
alkyl alcohol ethoxylate		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
citric acid		No data available			-	
glycolic acid		No data available			-	
alkyl alcohol ethoxylate		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
citric acid		No data available			-	
glycolic acid		No data available			-	
alkyl alcohol ethoxylate		No data available			-	

12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
citric acid			97 % in 28 day(s)	OECD 301B	Readily biodegradable
glycolic acid					Readily biodegradable
alkyl alcohol ethoxylate			60 % in 28 day(s)	Read across	Readily biodegradable
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate				OECD 301E	Readily biodegradable
4-tert-butylcyclohexyl acetate				OECD 301B	Readily biodegradable
p-Methylacetophenone				OECD 301D	Readily biodegradable
p-menthan-8-yl acetate					No data available
pentyl salicylate					Not readily biodegradable.
sodium acrylate				OECD 301D	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potentialPartition coefficient n-octanol/water (log K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
citric acid	-1.72		No bioaccumulation expected	
glycolic acid	-1.07	Method not given	No bioaccumulation expected	
alkyl alcohol ethoxylate	3.11 - 4.19	Method not given	High potential for bioaccumulation	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available			
4-tert-butylcyclohexyl acetate	No data available			
p-Methylacetophenone	No data available			

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p-menthan-8-yl acetate	No data available			
pentyl salicylate	No data available			
sodium acrylate	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
citric acid	No data available				
glycolic acid	No data available				
alkyl alcohol ethoxylate	< 500		Method not given	High potential for bioaccumulation	
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available				
4-tert-butylcyclohexyl acetate	No data available				
p-Methylacetophenone	No data available				
p-menthan-8-yl acetate	No data available				
pentyl salicylate	No data available				
sodium acrylate	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K _{oc}	Desorption coefficient Log K _{oc} (des)	Method	Soil/sediment type	Evaluation
citric acid	No data available				Potential for mobility in soil, soluble in water
glycolic acid	No data available				
alkyl alcohol ethoxylate	No data available				Potential for mobility in soil, soluble in water
sodium N-(2-carboxyethyl)-N-dodecyl-β-alaninate	No data available				
4-tert-butylcyclohexyl acetate	No data available				
p-Methylacetophenone	No data available				
p-menthan-8-yl acetate	No data available				
pentyl salicylate	No data available				
sodium acrylate	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

ADG, IMO/IMDG, ICAO/IATA

14.1 UN number: 3265

14.2 UN proper shipping name:

Corrosive liquid, acidic, organic, n.o.s. (glycolic acid)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 8

14.4 Packing group: III

14.5 Environmental hazards:

Environmentally hazardous: No

Marine pollutant: No

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.

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Other relevant information:**Hazchem code:** 2X**EmS:** F-A, S-B

This product has been classified, labelled and packaged 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	HSR002526.
Group standard	Cleaning Products (Corrosive) 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

SDS code: MS32000545**Version:** 01.0**Revision:** 2019-02-18

- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

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