



DIVERCLEANSE

Revision: 2018-11-19

Version: 01.2

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name: DIVERCLEANSE

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

Fax: + 64 9 813 9801

Website: www.diversey.com

1.4 Emergency telephone number

Call 0800 243 622 (24 hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

HSNO Classification

6.5B - Contact sensitisers

8.1A - Corrosive to metals

8.2B - Corrosive to dermal tissue

8.3A - Corrosive to ocular tissue

9.1A - Very ecotoxic in the aquatic environment

GHS Equivalent Classification

Skin sensitisation, Category 1

Corrosive to metals, Category 1

Skin corrosion, Category 1B

Acute aquatic toxicity, Category 1

2.2 Label elements



Signal word: Danger

Hazard statements:

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H400 - Very toxic to aquatic life.

H290 - May be corrosive to metals.

Prevention statement(s):

P233 - Keep container tightly closed.

P234 - Keep only in original packaging.

P260 - Do not breathe vapours.

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

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.

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

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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).
 P363 - Wash contaminated clothing before reuse.
 P390 - Absorb spillage to prevent material damage.

Storage statement(s):

P405 - Store locked up.
 P406 - Store in corrosive-resistant container with a resistant inner liner.

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 (%): 14.53

HSNO Classification

6.3B - Mildly irritating to the skin
 9.1D - Slightly harmful to the aquatic environment or are otherwise designed for biocidal action

GHS Equivalent Classification

Skin irritation, Category 3
 Acute aquatic toxicity, Category 2

2.5 Label elements diluted product

H316 - Causes mild skin irritation.
 H401 - Toxic to aquatic life.

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

Ingredient(s)	CAS number	EC number	Weight percent
sodium hypochlorite	7681-52-9	231-668-3	3-10
Sodium chlorate	7775-09-9	231-887-4	1-3
1-Dodecanamine, N,N-dimethyl-, N-oxide	1643-20-5	216-700-6	1-3
Amines, C12-14 (even numbered)-alkyldimethyl-, N-oxides	-	931-292-6	1-3
sodium hydroxide	1310-73-2	215-185-5	1-3

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

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

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

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

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.

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.

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

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 hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Take off 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 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. Keep from freezing.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient(s)	Long term value(s)	Short term value(s)	Ceiling value(s)
sodium hydroxide			2 mg/m ³

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.

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

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 14.53

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: 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: 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: Pale, Yellow	
Odour: Product specific Slightly perfumed	
Odour threshold: Not applicable	
pH: ≈ 12.9 (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.	
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	
Upper/lower flammability limit (%): Not determined	
Vapour pressure: Not determined	
Vapour density: Not determined	Not relevant to classification of this product
Relative density: ≈ 1.08 (20 °C)	OECD 109 (EU A.3)
Solubility in / Miscibility with Water: Fully miscible	
Partition coefficient: n-octanol/water No information available.	
Autoignition temperature: Not determined	
Decomposition temperature: Not applicable.	
Viscosity: Not determined	
Explosive properties:	
Oxidising properties:	

9.2 Other information

Surface tension (N/m): Not determined

Corrosion to metals: Corrosive

Weight of evidence

SECTION 10: Stability and reactivity**10.1 Reactivity****10.2 Chemical stability****10.3 Possibility of hazardous reactions****10.4 Conditions to avoid**

None known under normal storage and use conditions.

10.5 Incompatible materials

Reacts with acids.

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 - Dermal (mg/kg): >5000

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
sodium hypochlorite	LD ₅₀	> 1100	Rat	OECD 401 (EU B.1)	90
Sodium chlorate		No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	LD ₅₀	> 300 - 2000	Rat	OECD 401 (EU B.1)	
sodium hydroxide		No data available			

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
sodium hypochlorite	LD ₅₀	> 20000	Rabbit	OECD 402 (EU B.3)	
Sodium chlorate		No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	LD ₅₀	> 5000	Rat	OECD 402 (EU B.3)	
sodium hydroxide	LD ₅₀	1350	Rabbit	Method not given	

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium hypochlorite	LC ₅₀	> 10.5 (vapour)	Rat	OECD 403 (EU B.2)	1
Sodium chlorate		No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available			
sodium hydroxide		No data available			

Ingredient(s)	Result	Species	Method	Exposure time
sodium hypochlorite	Corrosive	Rabbit	OECD 404 (EU B.4)	
Sodium chlorate	No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Irritant	Rabbit	OECD 404 (EU B.4)	
sodium hydroxide	Corrosive	Rabbit	Method not given	

Ingredient(s)	Result	Species	Method	Exposure time
sodium hypochlorite	Severe damage	Rabbit	OECD 405 (EU B.5)	
Sodium chlorate	No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available			

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Severe damage	Rabbit	OECD 405 (EU B.5)
sodium hydroxide	Corrosive	Rabbit	Method not given

Ingredient(s)	Result	Species	Method	Exposure time
sodium hypochlorite	Irritating to respiratory tract			
Sodium chlorate	No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	No data available			
sodium hydroxide	No data available			

Ingredient(s)	Result	Species	Method	Exposure time (h)
sodium hypochlorite	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
Sodium chlorate	No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
sodium hydroxide	Not sensitising		Human repeated patch test	

Ingredient(s)	Result	Species	Method	Exposure time
sodium hypochlorite	Not sensitising			
Sodium chlorate	No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	No data available			
sodium hydroxide	No data available			

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
sodium hypochlorite	No evidence for mutagenicity	OECD 471 (EU B.12/13)	No evidence for mutagenicity, negative test results	OECD 474 (EU B.12)
Sodium chlorate	No data available		No data available	
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available		No data available	
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
sodium hydroxide	No evidence for mutagenicity, negative test results	DNA repair test on rat hepatocytes OECD 473	No evidence for mutagenicity, negative test results	OECD 474 (EU B.12) OECD 475 (EU B.11)

Ingredient(s)	Effect
sodium hypochlorite	No evidence for carcinogenicity, negative test results
Sodium chlorate	No data available
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	No evidence for carcinogenicity, negative test results
sodium hydroxide	No evidence for carcinogenicity, weight-of-evidence

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
sodium hypochlorite	NOAEL	Developmental toxicity Impaired fertility	5 (Cl)	Rat	OECD 414 (EU B.31), oral OECD 415 (EU B.34), oral		No evidence for reproductive toxicity
Sodium chlorate			No data available				
1-Dodecanamine, N,N-dimethyl-, N-oxide			No data available				
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	NOAEL	Teratogenic effects	25	Rat	Non guideline test		
sodium hydroxide			No data available				No evidence for developmental toxicity No evidence for reproductive toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium hypochlorite	NOAEL	50	Rat	OECD 408 (EU B.26)	90	
Sodium chlorate		No data available				
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available				

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Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	NOAEL	13		OECD 422, oral		
sodium hydroxide		No data available				

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium hypochlorite		No data available				
Sodium chlorate		No data available				
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available				
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available				
sodium hydroxide		No data available				

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium hypochlorite		No data available				
Sodium chlorate		No data available				
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available				
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available				
sodium hydroxide		No data available				

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
sodium hypochlorite			No data available					
Sodium chlorate			No data available					
1-Dodecanamine, N,N-dimethyl-, N-oxide			No data available					
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides			No data available					
sodium hydroxide			No data available					

Ingredient(s)	Affected organ(s)
sodium hypochlorite	Not applicable
Sodium chlorate	No data available
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	No data available
sodium hydroxide	No data available

Ingredient(s)	Affected organ(s)
sodium hypochlorite	Not applicable
Sodium chlorate	No data available
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	No data available
sodium hydroxide	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.

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium hypochlorite	LC ₅₀	0.06	<i>Oncorhynchus mykiss</i>	Method not given	96
Sodium chlorate		No data available			

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1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	LC ₅₀	> 2.67 - 3.46	Fish	OECD 203, static	96
sodium hydroxide	LC ₅₀	35	Various species	Method not given	96

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium hypochlorite	EC ₅₀	0.035	<i>Ceriodaphnia dubia</i>	OECD 202 (EU C.2)	48
Sodium chlorate		No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available	<i>Daphnia</i>		
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	EC ₅₀	3.1	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
sodium hydroxide	EC ₅₀	40.4	<i>Ceriodaphnia sp.</i>	Method not given	48

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium hypochlorite	NOEC	0.0021	Not specified	Method not given	168
Sodium chlorate		No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	EC ₅₀	0.1428	Not specified	Method not given	72
sodium hydroxide	EC ₅₀	22	<i>Photobacterium phosphoreum</i>	Method not given	0.25

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
sodium hypochlorite	EC ₅₀	0.026	<i>Crassostrea virginica</i>	Method not given	2
Sodium chlorate		No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available			-
sodium hydroxide		No data available			-

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
sodium hypochlorite		0.375	Activated sludge	Method not given	
Sodium chlorate		No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	EC ₁₀	> 24	Bacteria	Non guideline test	18 hour(s)
sodium hydroxide		No data available			

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium hypochlorite	NOEC	0.04	<i>Menidia pelinsulae</i>	Method not given	96 hour(s)	
Sodium chlorate		No data available				
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available				
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	NOEC	0.42	Not specified		302 day(s)	
sodium hydroxide		No data available				

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium hypochlorite	NOEC	0.007	<i>Crassostrea virginica</i>	Method not given	15 day(s)	
Sodium chlorate		No data available				
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available				
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	NOEC	0.7	<i>Daphnia magna</i>	Method not given	21 day(s)	
sodium hydroxide		No data				

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Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
sodium hypochlorite		No data available			-	
Sodium chlorate		No data available				
1-Dodecanamine, N,N-dimethyl-, N-oxide		No data available				
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available			-	
sodium hydroxide		No data available			-	

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium hypochlorite		No data available			-	
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available			-	
sodium hydroxide		No data available			-	

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium hypochlorite		No data available			-	
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available			-	
sodium hydroxide		No data available			-	

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
sodium hypochlorite		No data available			-	
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available			-	
sodium hydroxide		No data available			-	

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium hypochlorite		No data available			-	
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available			-	
sodium hydroxide		No data available			-	

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium hypochlorite		No data available			-	
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		No data available			-	
sodium hydroxide		No data available			-	

12.2 Persistence and degradability

Ingredient(s)	Half-life time	Method	Evaluation	Remark
sodium hypochlorite	115 day(s)	Indirect photo-oxidation		
sodium hydroxide	13 second(s)	Method not given	Rapidly photodegradable	

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
sodium hypochlorite					Not applicable (inorganic substance)
Sodium chlorate					Not applicable (inorganic substance)
1-Dodecanamine, N,N-dimethyl-, N-oxide				OECD 301B	Readily biodegradable

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Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		CO ₂ production	90% in 28 day(s)	OECD 301B	Readily biodegradable
sodium hydroxide					Not applicable (inorganic substance)

12.3 Bioaccumulative potential

Ingredient(s)	Value	Method	Evaluation	Remark
sodium hypochlorite	-3.42	Method not given	No bioaccumulation expected	
Sodium chlorate	No data available			
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available			
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	0.93	(EC) 440/2008, A.8	No bioaccumulation expected	
sodium hydroxide	No data available		Not relevant, does not bioaccumulate	

Ingredient(s)	Value	Species	Method	Evaluation	Remark
sodium hypochlorite	No data available				
Sodium chlorate	No data available				
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available				
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	No data available				
sodium hydroxide	No data available				

12.4 Mobility in soil

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
sodium hypochlorite	1.12				High potential for mobility in soil
Sodium chlorate	No data available				
1-Dodecanamine, N,N-dimethyl-, N-oxide	No data available				
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	No data available				Low mobility in soil
sodium hydroxide	No data available				Mobile in soil

12.5 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Empty packaging

Recommendation:

Dispose of observing national or local regulations.

Suitable cleaning agents:

Water, if necessary with cleaning agent.

SECTION 14: Transport information



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

14.1 UN number: 1760

14.2 UN proper shipping name:

Corrosive liquid, n.o.s. (sodium hydroxide , hypochlorite)

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.

Other relevant information:

Hazchem code: 2X

DIVERCLEANSE

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
Substances covered under this Group Standard will not require an approved handler.

SECTION 16: Other information

SDS code: MS32000099

Version: 01.2

Revision: 2018-11-19

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

Abbreviations and acronyms:

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

End of Safety Data Sheet