



FLEETWASH PLUS

Revision: 2018-04-09

Version: 01.0

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name: FLEETWASH PLUS

1.2 Recommended use and restrictions on use

Identified uses:

Detergent for vehicle and equipment washing

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

6.3A - Irritating to the skin

8.3A - Corrosive to ocular tissue

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

GHS Equivalent Classification

Skin irritation, Category 2

Serious eye damage, Category 1

2.2 Label elements



Signal word: Danger

Hazard statements:

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

Prevention statement(s):

P233 - Keep container tightly closed.

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):

P332 + P313 - If skin irritation occurs: Get medical advice or attention.

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).

P362 - Take off contaminated clothing.

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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 (%): 4

HSNO Classification

Not classified as hazardous

GHS Equivalent Classification

Not classified as hazardous

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

Ingredient(s)	CAS number	EC number	Weight percent
pentasodium triphosphate	7758-29-4	231-838-7	3-10
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	85480-55-3	287-335-8	1-3
trisodium orthophosphate	7601-54-9	231-509-8	1-3
urea	57-13-6	200-315-5	1-3
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	270-407-8	0.1-1
sodium hydroxide	1310-73-2	215-185-5	0.1-1

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

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

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

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

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No known effects or symptoms in normal use.
Skin contact:	Causes irritation.
Eye contact:	Causes severe or permanent damage.
Ingestion:	No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

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

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

5.4 Hazchem code

None allocated

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

Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

6.4 Reference to other sections

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

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

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Use personal protective equipment as required. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

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

Biological limit values, if available:

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.

If available, please refer to the product information sheet for application and handling instructions.

Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

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).

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.

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Body protection:	Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605).
Respiratory protection:	No special requirements under normal use conditions.
Environmental exposure controls:	No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 4

Appropriate engineering controls:	No special requirements under normal use conditions.
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:	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.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

	Method / remark
Physical State: Liquid	
Colour: Clear, Green	
Odour: Product specific	
Odour threshold: Not applicable	
pH: ≈ 11.8 (neat)	ISO 4316
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	
Flash point (°C): 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: ≈ 1.055 - 1.075 (20 °C)	OECD 109 (EU A.3)
Solubility in / Miscibility with Water: Fully miscible	
Partition coefficient: n-octanol/water No information available.	
Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3	
Autoignition temperature: Not determined	
Decomposition temperature: Not applicable.	
Viscosity: 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 acids.

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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

ATE - Inhalatory, vapours (mg/l): >50

Substance data, where relevant and available, are listed below:.

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
pentasodium triphosphate	LD ₀	> 2000	Rat	OECD 401 (EU B.1)	
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
trisodium orthophosphate		No data available			
urea	LD ₅₀	11500	Mouse	Method not given	
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	LD ₅₀	> 2000	Rat	OECD 401 (EU B.1)	
sodium hydroxide		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
pentasodium triphosphate	LD ₅₀	> 4640	Rabbit	Method not given	
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
trisodium orthophosphate		No data available			
urea		No data available			
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	LD ₅₀	6300	Rabbit	OECD 402 (EU B.3)	
sodium hydroxide		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
pentasodium triphosphate	LC ₀	0.39 (dust)	Rat	EPA OPP 81-3	4
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
trisodium orthophosphate		No data available			
urea		No data available			
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	LC ₅₀	> 52	Rat	OECD 403 (EU B.2)	4
sodium hydroxide		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
pentasodium triphosphate	Not irritant	Rabbit	OECD 404 (EU B.4)	
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
trisodium orthophosphate	No data available			
urea	No data available			
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Irritant	Rabbit	OECD 404 (EU B.4)	
sodium hydroxide	Corrosive	Rabbit	Method not given	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
pentasodium triphosphate	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			

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trisodium orthophosphate	No data available			
urea	No data available			
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Severe damage	Rabbit	OECD 405 (EU B.5)	
sodium hydroxide	Corrosive	Rabbit	Method not given	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
pentasodium triphosphate	No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
trisodium orthophosphate	No data available			
urea	No data available			
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	No data available			
sodium hydroxide	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
pentasodium triphosphate	Not sensitising	Mouse	OECD 429 (EU B.42)	
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
trisodium orthophosphate	No data available			
urea	No data available			
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
sodium hydroxide	Not sensitising		Human repeated patch test	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
pentasodium triphosphate	No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
trisodium orthophosphate	No data available			
urea	No data available			
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	No data available			
sodium hydroxide	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)
pentasodium triphosphate	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No evidence of genotoxicity, negative test results	OECD 475 (EU B.11)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available		No data available	
trisodium orthophosphate	No data available		No data available	
urea	No data available		No data available	
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	No evidence for mutagenicity, negative test results	Method not given	No evidence for mutagenicity, negative test results	Method not given
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)

Carcinogenicity

Ingredient(s)	Effect
pentasodium triphosphate	No evidence for carcinogenicity, negative test results
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available
trisodium orthophosphate	No data available
urea	No data available
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	No evidence for carcinogenicity, negative test results
sodium hydroxide	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
pentasodium triphosphate	NOAEL	Developmental toxicity	141	Rat	Not known		No evidence for reproductive toxicity
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine			No data available				
trisodium orthophosphate			No data available				

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urea			No data available				
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts			No data available				No evidence for teratogenic effects
sodium hydroxide			No data available				No evidence for developmental toxicity No evidence for reproductive toxicity

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
pentasodium triphosphate		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
trisodium orthophosphate		No data available				
urea		No data available				
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available				
sodium hydroxide		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
pentasodium triphosphate		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
trisodium orthophosphate		No data available				
urea		No data available				
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available				
sodium hydroxide		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
pentasodium triphosphate		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
trisodium orthophosphate		No data available				
urea		No data available				
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available				
sodium hydroxide		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
pentasodium triphosphate	Oral	NOAEL	225	Rat	Equivalent of OECD 412 (EU B.8)			
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine			No data available					
trisodium orthophosphate			No data available					
urea			No data available					
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Oral	NOAEL	259	Rat	Method not given	24 month(s)		
sodium hydroxide			No data available					

STOT-single exposure

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Ingredient(s)	Affected organ(s)
pentasodium triphosphate	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available
trisodium orthophosphate	No data available
urea	No data available
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	No data available
sodium hydroxide	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
pentasodium triphosphate	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available
trisodium orthophosphate	No data available
urea	No data available
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	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.

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)
pentasodium triphosphate	LC ₅₀	1850	<i>Brachydanio rerio</i>	Method not given	24
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
trisodium orthophosphate		No data available			
urea	LC ₅₀	> 6810	<i>Leuciscus idus</i>	Method not given	96
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	LC ₅₀	4.2	<i>Brachydanio rerio</i>	OECD 203 (EU C.1)	96
sodium hydroxide	LC ₅₀	35	<i>Various species</i>	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
pentasodium triphosphate	EC ₅₀	> 100	<i>Daphnia magna Straus</i>	40 CFR 797.1930	48
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
trisodium orthophosphate		No data available			
urea	EC ₅₀	> 10000	<i>Daphnia magna Straus</i>	Method not given	24
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	EC ₅₀	4.53	<i>Ceriodaphnia sp.</i>	OECD 202 (EU C.2)	48
sodium hydroxide	EC ₅₀	40.4	<i>Ceriodaphnia sp.</i>	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
pentasodium triphosphate	EC ₅₀	160	<i>Desmodesmus subspicatus</i>	ISO/TC147/SC5/WG5 N84	96
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
trisodium orthophosphate		No data available			
urea		> 10000	<i>Scenedesmus quadricauda</i>	Method not given	-
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	EC ₅₀	5.2		OECD 201 (EU C.3)	72

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sodium hydroxide	EC ₅₀	22	<i>Photobacterium phosphoreum</i>	Method not given	0.25
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Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
pentasodium triphosphate		No data available			-
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
trisodium orthophosphate		No data available			
urea		No data available			-
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available			-
sodium hydroxide		No data available			-

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
pentasodium triphosphate		No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available			
trisodium orthophosphate		No data available			
urea		> 10000	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	EC ₅₀	230		OECD 209	
sodium hydroxide		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
pentasodium triphosphate	LOEC	5		OECD 212	96 hour(s)	
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
trisodium orthophosphate		No data available				
urea		No data available				
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available				
sodium hydroxide		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
pentasodium triphosphate		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
trisodium orthophosphate		No data available				
urea		No data available				
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available				
sodium hydroxide		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
pentasodium triphosphate		No data available			-	
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		No data available				
trisodium orthophosphate		No data available				
urea		No data available			-	
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available			-	

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sodium hydroxide		No data available			-	
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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
pentasodium triphosphate		No data available			-	
urea		No data available			-	
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available			-	
sodium hydroxide		No data available			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
pentasodium triphosphate		No data available			-	
urea		No data available			-	
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available			-	
sodium hydroxide		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
pentasodium triphosphate		No data available			-	
urea		No data available			-	
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available			-	
sodium hydroxide		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
pentasodium triphosphate		No data available			-	
urea		No data available			-	
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available			-	
sodium hydroxide		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
pentasodium triphosphate		No data available			-	
urea		No data available			-	
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		No data available			-	
sodium hydroxide		No data available			-	

12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
sodium hydroxide	13 second(s)	Method not given	Rapidly photodegradable	

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

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Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
pentasodium triphosphate					Not applicable (inorganic substance)
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	Activated sludge, aerobic			OECD 301D	Not readily biodegradable.
trisodium orthophosphate					Not applicable (inorganic substance)
urea					Readily biodegradable
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		CO ₂ production	> 80 % in 28 day(s)	Method not given	Readily biodegradable
sodium hydroxide					Not applicable (inorganic substance)

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
pentasodium triphosphate	No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available			
trisodium orthophosphate	No data available			
urea	-1.09		No bioaccumulation expected	
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	-1.3	(EC) 440/2008, A.8	No bioaccumulation expected	
sodium hydroxide	No data available		Not relevant, does not bioaccumulate	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
pentasodium triphosphate	No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available				
trisodium orthophosphate	No data available				
urea	No data available				
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	No data available				
sodium hydroxide	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
pentasodium triphosphate	No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine	No data available				
trisodium orthophosphate	No data available				
urea	No data available				Potential for mobility in soil, soluble in water
sulphonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	No data available				Low potential for adsorption to soil
sodium hydroxide	No data available				Mobile in soil

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.

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SECTION 14: Transport information**Land transport, Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)****14.1 UN number:** Non-dangerous goods**14.2 UN proper shipping name:** Non-dangerous goods**14.3 Transport hazard class(es):** Non-dangerous goods**14.4 Packing group:** Non-dangerous goods**14.5 Environmental hazards:** Non-dangerous goods**14.6 Special precautions for user:** Non-dangerous goods**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Non-dangerous goods**Other relevant information:**

Hazchem code: None allocated

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

HSNO Approval Number	HSR002530.
Group standard	Cleaning Products (Subsidiary Hazard) Group Standard 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: MS32000160**Version:** 01.0**Revision:** 2018-04-09**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