

Sun Platinum-Eco Dishwasher Pods

Revision: 2025-06-11

Version:

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name: Sun Platinum-Eco Dishwasher Pods

Sun is a registered trade mark and is used under licence of Unilever

1.2 Recommended use and restrictions on use

Restrictions of use:

Uses other than those identified are not recommended

1.3 Details of the supplier

DIVERSEY NEW ZEALAND LTD.

24 Bancroft Crescent, Glendene, Auckland, 0602, New Zealand

Telephone: 0800 803 615 (toll free)

Website: www.diversey.com

1.4 Emergency telephone number

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

Call 0800 243 622 (24 hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Serious eye damage, Category 1

Skin irritation, Category 2

Respiratory sensitisation, Category 1

Chronic aquatic toxicity, Category 2

Corrosive to metals, Category 1

2.2 Label elements



Signal word: Danger

Hazard statements:

H290 - May be corrosive to metals.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H411 - Toxic to aquatic life with long lasting effects.

Prevention statement(s):

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P233 - Keep container tightly closed.

P234 - Keep only in original packaging.

P261 - Avoid breathing vapours.

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

P280 - Wear protective gloves and eye or face protection.

P285 - In case of inadequate ventilation wear respiratory protection.

Response statement(s):

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

P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position 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).

Sun Platinum-Eco Dishwasher Pods

P362 + P364 - Take off contaminated clothing and wash it before reuse.
 P390 - Absorb spillage to prevent material damage.

Storage statement(s):

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

Concentrated enzymatic liquid products are dust free preparations. However, inappropriate handling may cause formation of dust or aerosols which may induce sensitization and may cause allergic reactions in sensitized individuals.

2.4 Classification diluted product:

Recommended maximum concentration (% w/w): 0.1

Not classified as hazardous

Precautionary statements:

P102 - Keep out of reach of children.

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

Ingredient(s)	CAS#	EC number	Weight percent
Sodium percarbonate	15630-89-4	239-707-6	10-30
Trisodium citrate dihydrate	6132-04-3	612-118-5	10-30
sodium carbonate	497-19-8	207-838-8	10-30
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	257-573-7	3-10
alkyl alcohol ethoxylate	84133-50-6	[4]	3-10
disodium disilicate	13870-28-5	237-623-4	3-10
alkyl alcohol alkoxyate	69227-21-0	[4]	3-10
alkyl alcohol alkoxyate	111905-53-4	[4]	3-10
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	64366-70-7	[4]	3-10
subtilisin	9014-01-1	232-752-2	1-3
amylase, alpha-	9000-90-2	232-565-6	1-3

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

[4] Polymer.

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

SECTION 4: First aid measures**4.1 Description of first aid measures****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. 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. If medical advice is needed, have product container or label at hand.

Inhalation:

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. Call a POISON CENTRE, doctor or physician if you feel unwell. 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:**

May cause allergy or asthma symptoms or breathing difficulties. Inappropriate handling may cause formation of dust or aerosols which may induce sensitization and may cause allergic reactions in sensitized individuals.

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.

Sun Platinum-Eco Dishwasher Pods

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 eye/face protection. Repeated or prolonged contact: Wear suitable gloves.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation. Dyke to collect large liquid spills. Warning: concentrated enzymatic product. Spillages should be removed immediately to avoid formation of dust from dried product. Use a cloth wetted with a chlorine bleach to clean up product spillage. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (do not remove product spillage in procedures likely to give rise to aerosols).

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 to prevent aerosol and dust generation:

Do not apply via trigger spray or other device which creates aerosols.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advice on general occupational hygiene:

Follow general hygiene considerations recognised as common good workplace practices. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Do not mix with other products unless advised by Diversey. Wash hands thoroughly after handling. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing. Wash contaminated clothing before reuse. Avoid contact with skin and eyes. Do not breathe vapours. Use only outdoors or in a well-ventilated area. 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 out of reach of children.

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)
---------------	--------------------	---------------------	------------------

Sun Platinum-Eco Dishwasher Pods

subtilisin			0.00006 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 (AS/NZS 1337.1).

Hand protection:

Chemical-resistant protective gloves (AS/NZS 2161.10). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

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

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

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

Body protection:

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

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (% w/w): 0.1

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

	Method / remark
Physical state: Liquid	
Colour: Clear , Yellow	
Odour: Product specific	
Odour threshold: Not applicable	
pH: Not applicable	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 determined	
Sustained combustion: Not applicable.	
(UN Manual of Tests and Criteria, section 32, L.2)	
Evaporation rate: Not determined	Not relevant to classification of this product
Flammability (solid, gas): Not applicable to liquids	
Lower and upper explosion limit/flammability limit (%): Not determined	

Sun Platinum-Eco Dishwasher Pods

Vapour pressure: Not determined
Relative density: Not determined
Relative vapour density: No data available.
Particle characteristics: No data available.
Solubility in / Miscibility with water: Fully miscible
Partition coefficient: n-octanol/water No information available.

Not relevant to classification of this product
 Not applicable to liquids.

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

Autoignition temperature: Not determined
Decomposition temperature: Not applicable.
Kinematic viscosity: Not determined
Explosive properties: Not explosive.
Oxidising properties: Not oxidising.

DM-006 Viscosity - Standard

9.2 Other information

Surface tension (N/m): Not determined
Corrosion to metals: 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

May be corrosive to metals.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture data: .

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000
 ATE - Inhalatory, mists (mg/l): >5

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

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Sodium percarbonate	LD ₅₀	1034	Rat	Method not given	
Trisodium citrate dihydrate		No data available			
sodium carbonate	LD ₅₀	2800	Rat	OECD 401 (EU B.1)	
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	LD ₅₀	> 2000	Rat	OECD 401 (EU B.1)	
alkyl alcohol ethoxylate	LD ₅₀	> 300-2000			
disodium disilicate		No data available			
alkyl alcohol alkoxylate	LD ₅₀	> 5000	Rat	Read across	
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	LD ₅₀	> 2000	Rat		
alkyl alcohol alkoxylate		No data available			

Sun Platinum-Eco Dishwasher Pods

subtilisin	LD ₅₀	1800	Rat	OECD 401 (EU B.1)	
amylase, alpha-	LD ₅₀	> 2000		OECD 401 (EU B.1) OECD 420 (EU B.1 bis)	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Sodium percarbonate	LD ₅₀	> .?	Rabbit	OECD 402 (EU B.3)	
Trisodium citrate dihydrate		No data available			
sodium carbonate	LD ₅₀	> 2000	Rabbit	Method not given	
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	LD ₅₀	> 2000	Rat	OECD 402 (EU B.3)	
alkyl alcohol ethoxylate		No data available			
disodium disilicate		No data available			
alkyl alcohol alkoxylate		No data available			
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	LD ₅₀	> 2000	Rat		
alkyl alcohol alkoxylate		No data available			
subtilisin		No data available			
amylase, alpha-		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Sodium percarbonate		No data available			
Trisodium citrate dihydrate		No data available			
sodium carbonate	LC ₅₀	> 2.3 (dust)		Weight of evidence	2
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		No data available			
alkyl alcohol ethoxylate		No data available			
disodium disilicate		No data available			
alkyl alcohol alkoxylate		No data available			
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether		No data available			
alkyl alcohol alkoxylate		No data available			
subtilisin		-		Weight of evidence	
amylase, alpha-		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Sodium percarbonate	Not irritant	Rabbit	Method not given	
Trisodium citrate dihydrate	No data available			
sodium carbonate	Not irritant	Rabbit	OECD 404 (EU B.4)	
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	Not irritant	Rabbit	OECD 404 (EU B.4)	4 hour(s)
alkyl alcohol ethoxylate	No data available			
disodium disilicate	No data available			
alkyl alcohol alkoxylate	Mild irritant	Rabbit	Read across	
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	Not irritant			
alkyl alcohol alkoxylate	No data available			
subtilisin	Mild irritant	Rabbit	OECD 404 (EU B.4)	
amylase, alpha-	Not irritant		OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Sodium percarbonate	Severe damage	Rabbit	EPA OPP 81-4	
Trisodium citrate dihydrate	No data available			
sodium carbonate	Irritant	Rabbit	OECD 405 (EU B.5)	
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	Not corrosive or	Rabbit	OECD 405 (EU B.5)	

	irritant			
alkyl alcohol ethoxylate	No data available			
disodium disilicate	No data available			
alkyl alcohol alkoxylate	Not corrosive or irritant	Rabbit	Read across	
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	Irritant			
alkyl alcohol alkoxylate	No data available			
subtilisin	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
amylase, alpha-	Not corrosive or irritant		OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Sodium percarbonate	Irritating to respiratory tract	Mouse	Method not given	
Trisodium citrate dihydrate	No data available			
sodium carbonate	No data available			
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	Not irritating to respiratory tract			
alkyl alcohol ethoxylate	No data available			
disodium disilicate	No data available			
alkyl alcohol alkoxylate	No data available			
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available			
alkyl alcohol alkoxylate	No data available			
subtilisin	Irritating to respiratory tract			
amylase, alpha-	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Sodium percarbonate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
Trisodium citrate dihydrate	No data available			
sodium carbonate	Not sensitising		Method not given	
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
alkyl alcohol ethoxylate	No data available			
disodium disilicate	No data available			
alkyl alcohol alkoxylate	No data available			
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available			
alkyl alcohol alkoxylate	No data available			
subtilisin	No data available			
amylase, alpha-	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Sodium percarbonate	No data available			
Trisodium citrate dihydrate	No data available			
sodium carbonate	No data available			
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	No data available			
alkyl alcohol ethoxylate	No data available			
disodium disilicate	No data available			
alkyl alcohol alkoxylate	No data available			
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available			
alkyl alcohol alkoxylate	No data available			
subtilisin	Sensitising		Weight of evidence	Not applicable.
amylase, alpha-	Sensitising		Weight of evidence	

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
Sodium percarbonate	No data available		No data available	
Trisodium citrate dihydrate	No data available		No data available	
sodium carbonate	No data available		No data available	
tetrasodium	No evidence for mutagenicity, negative	OECD 473	No evidence of genotoxicity, negative	OECD 474 (EU

Sun Platinum-Eco Dishwasher Pods

N,N-bis(carboxylatomethyl)-L-glutamate	test results	OECD 476 (Chinese Hamster Ovary) OECD 471 (EU B.12/13)	test results	B.12)
alkyl alcohol ethoxylate	No data available		No data available	
disodium disilicate	No data available		No data available	
alkyl alcohol alkoxylate	No data available		No data available	
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available		No data available	
alkyl alcohol alkoxylate	No data available		No data available	
subtilisin	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 473 OECD 476 (Chinese Hamster Ovary)	No data available	
amylase, alpha-	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 476 (Chinese Hamster Ovary)	No data available	

Carcinogenicity

Ingredient(s)	Effect
Sodium percarbonate	No data available
Trisodium citrate dihydrate	No data available
sodium carbonate	No evidence for carcinogenicity, weight-of-evidence
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	No data available
alkyl alcohol ethoxylate	No data available
disodium disilicate	No data available
alkyl alcohol alkoxylate	No data available
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available
alkyl alcohol alkoxylate	No data available
subtilisin	No data available
amylase, alpha-	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
Sodium percarbonate			No data available				
Trisodium citrate dihydrate			No data available				
sodium carbonate			No data available				
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	NOAEL	Developmental toxicity	≥ 15000	Rat	OECD 416, (EU B.35), oral		No evidence for reproductive toxicity
alkyl alcohol ethoxylate			No data available				
disodium disilicate			No data available				
alkyl alcohol alkoxylate			No data available				
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether			No data available				
alkyl alcohol alkoxylate			No data available				
subtilisin			No data available				
amylase, alpha-			No data available				

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Sodium percarbonate		No data available				
Trisodium citrate dihydrate		No data available				
sodium carbonate		No data available				

Sun Platinum-Eco Dishwasher Pods

tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		No data available				
alkyl alcohol ethoxylate		No data available				
disodium disilicate		No data available				
alkyl alcohol alkoxylate		No data available				
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether		No data available				
alkyl alcohol alkoxylate		No data available				
subtilisin		No data available				
amylase, alpha-		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
Sodium percarbonate		No data available				
Trisodium citrate dihydrate		No data available				
sodium carbonate		No data available				
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		No data available				
alkyl alcohol ethoxylate		No data available				
disodium disilicate		No data available				
alkyl alcohol alkoxylate		No data available				
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether		No data available				
alkyl alcohol alkoxylate		No data available				
subtilisin		No data available				
amylase, alpha-		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
Sodium percarbonate		No data available				
Trisodium citrate dihydrate		No data available				
sodium carbonate		No data available				
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		No data available				
alkyl alcohol ethoxylate		No data available				
disodium disilicate		No data available				
alkyl alcohol alkoxylate		No data available				
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether		No data available				
alkyl alcohol alkoxylate		No data available				
subtilisin		No data available				
amylase, alpha-		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
Sodium percarbonate			No data available					
Trisodium citrate dihydrate			No data available					
sodium carbonate			No data available					
tetrasodium	Oral	NOAEL	300	Rat	OECD 408			

Sun Platinum-Eco Dishwasher Pods

N,N-bis(carboxylatomet hyl)-L-glutamate								
alkyl alcohol ethoxylate			No data available					
disodium disilicate			No data available					
alkyl alcohol alkoxylate			No data available					
Oxirane, methyl- polymer with oxirane, mono(2-ethylhexyl) ether			No data available					
alkyl alcohol alkoxylate			No data available					
subtilisin			No data available					
amylase, alpha-			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
Sodium percarbonate	No data available
Trisodium citrate dihydrate	No data available
sodium carbonate	Not applicable
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	No data available
alkyl alcohol ethoxylate	No data available
disodium disilicate	No data available
alkyl alcohol alkoxylate	No data available
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available
alkyl alcohol alkoxylate	No data available
subtilisin	Respiratory tract
amylase, alpha-	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Sodium percarbonate	No data available
Trisodium citrate dihydrate	No data available
sodium carbonate	Not applicable
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	No data available
alkyl alcohol ethoxylate	No data available
disodium disilicate	No data available
alkyl alcohol alkoxylate	No data available
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available
alkyl alcohol alkoxylate	No data available
subtilisin	No data available
amylase, alpha-	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture.

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

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Sodium percarbonate	LC ₅₀	70.7	<i>Pimephales promelas</i>	Method not given	
Trisodium citrate dihydrate		No data available			
sodium carbonate	LC ₅₀	300	<i>Lepomis macrochirus</i>	Method not given	96
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	LC ₅₀	> 100	<i>Various</i>	OECD 203 (EU C.1)	96

Sun Platinum-Eco Dishwasher Pods

			species		
alkyl alcohol ethoxylate		No data available			
disodium disilicate		No data available			
alkyl alcohol alkoxylate	LC ₅₀	≥ 0.61-0.75	<i>Oncorhynchus mykiss</i>	Method not given	96
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	LC ₅₀	32	<i>Oncorhynchus mykiss</i>		96
alkyl alcohol alkoxylate	LC ₅₀	> 1-10	<i>Poecilia reticulata</i>	OECD 203, static	96
subtilisin	LC ₅₀	8.2	<i>Fish</i>	OECD 203 (EU C.1)	96
amylase, alpha-	LC ₅₀	58.3 - 326.7	<i>Fish</i>	OECD 203 (EU C.1)	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Sodium percarbonate	EC ₅₀	4.9	<i>Daphnia pulex</i>	Method not given	
Trisodium citrate dihydrate		No data available			
sodium carbonate	EC ₅₀	200-227	<i>Ceriodaphnia dubia</i>	Method not given	96
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	EC ₅₀	100	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
alkyl alcohol ethoxylate		No data available			
disodium disilicate		No data available			
alkyl alcohol alkoxylate	EC ₅₀	≥ 0.17-0.25	<i>Daphnia magna Straus</i>	Method not given	48
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	EC ₅₀	> 100	<i>Daphnia magna Straus</i>		48
alkyl alcohol alkoxylate	LC ₅₀	> 1-10	<i>Daphnia magna Straus</i>	OECD 202, static	48
subtilisin	EC ₅₀	0.586	<i>Daphnia</i>	OECD 202 (EU C.2)	48
amylase, alpha-	EC ₅₀	31.7 - 457	<i>Daphnia</i>	OECD 202 (EU C.2)	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Sodium percarbonate	EC ₅₀	2.62	<i>Not specified</i>	Read across	
Trisodium citrate dihydrate		No data available			
sodium carbonate	EC ₅₀	> 800	<i>Selenastrum capricornutum</i>		72
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	E _r C ₅₀	> 100	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
alkyl alcohol ethoxylate		No data available			
disodium disilicate		No data available			
alkyl alcohol alkoxylate		No data available			
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether		No data available			
alkyl alcohol alkoxylate		No data available			
subtilisin	E _r C ₅₀	0.830	<i>Not specified</i>	OECD 201 (EU C.3)	72
amylase, alpha-	E _r C ₅₀	≥ 5.2	<i>Not specified</i>	OECD 201 (EU C.3)	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Sodium percarbonate		No data available			
Trisodium citrate dihydrate		No data available			
sodium carbonate		No data available			
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		No data available			
alkyl alcohol ethoxylate		No data available			
disodium disilicate		No data available			
alkyl alcohol alkoxylate		No data available			
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether		No data			

Sun Platinum-Eco Dishwasher Pods

		available			
alkyl alcohol alkoxylate		No data available			
subtilisin		No data available			
amylase, alpha-		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Sodium percarbonate		No data available			
Trisodium citrate dihydrate		No data available			
sodium carbonate		No data available			
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		No data available			
alkyl alcohol ethoxylate		No data available			
disodium disilicate		No data available			
alkyl alcohol alkoxylate		No data available			
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether		No data available			
alkyl alcohol alkoxylate		No data available			
subtilisin		No data available			
amylase, alpha-		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Sodium percarbonate	NOEC	.?	<i>Pimephales promelas</i>	Method not given	.? hour(s)	
Trisodium citrate dihydrate		No data available				
sodium carbonate		No data available				
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		No data available				
alkyl alcohol ethoxylate		No data available				
disodium disilicate		No data available				
alkyl alcohol alkoxylate		No data available				
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether		No data available				
alkyl alcohol alkoxylate		No data available				
subtilisin		No data available				
amylase, alpha-		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Sodium percarbonate	NOEC	.?	<i>Daphnia pulex</i>	Method not given	.? hour(s)	
Trisodium citrate dihydrate		No data available				
sodium carbonate		No data available				
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	NOEC	≥ 265.7	<i>Daphnia magna</i>	OECD 202	21 day(s)	
alkyl alcohol ethoxylate		No data available				
disodium disilicate		No data available				
alkyl alcohol alkoxylate		No data available				
Oxirane, methyl-, polymer with oxirane,		No data				

Sun Platinum-Eco Dishwasher Pods

mono(2-ethylhexyl) ether		available				
alkyl alcohol alkoxylate		No data available				
subtilisin		No data available				
amylase, alpha-		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
sodium carbonate		No data available				

Terrestrial toxicity

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

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

Terrestrial toxicity - plants, if available:

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

Terrestrial toxicity - birds, if available:

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

Terrestrial toxicity - beneficial insects, if available:

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

Terrestrial toxicity - soil bacteria, if available:

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

12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
Sodium percarbonate	.?	Method not given		
sodium carbonate	No data available			

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
Sodium percarbonate	< .? day(s)	Method not given	Hydrolysible	
sodium carbonate	No data available		Rapidly hydrolysible	

Abiotic degradation - other processes, if available:

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

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
Sodium percarbonate					Not applicable (inorganic substance)

Trisodium citrate dihydrate				Weight of evidence	Not readily biodegradable.
sodium carbonate					Not applicable (inorganic substance)
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate		BOD removal	76 % in 28 day(s)	OECD 301D	Readily biodegradable
alkyl alcohol ethoxylate					Readily biodegradable
disodium disilicate					Not applicable (inorganic substance)
alkyl alcohol alkoxylate			> 60.51%	Method not given	Readily biodegradable
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether			> 60% in 28 day(s)		Readily biodegradable
alkyl alcohol alkoxylate					No data available
subtilisin				OECD 301B	Readily biodegradable
amylase, alpha-				OECD 301B	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

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

Degradation in relevant environmental compartments, if available:

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

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
Sodium percarbonate	No data available			
Trisodium citrate dihydrate	No data available			
sodium carbonate	No data available		No bioaccumulation expected	
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	< 0			
alkyl alcohol ethoxylate	No data available			
disodium disilicate	No data available			
alkyl alcohol alkoxylate	No data available			
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available			
alkyl alcohol alkoxylate	No data available			
subtilisin	< 0			
amylase, alpha-	< 0	Method not given	Not relevant, does not bioaccumulate	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Sodium percarbonate	No data available				
Trisodium citrate dihydrate	No data available				
sodium carbonate	No data available			No bioaccumulation expected	
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	No data available				
alkyl alcohol ethoxylate	No data available				
disodium disilicate	No data available				
alkyl alcohol alkoxylate	No data available				
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available				
alkyl alcohol alkoxylate	No data available				
subtilisin	-			Not relevant, does not bioaccumulate	
amylase, alpha-	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
Sodium percarbonate	No data available				High potential for mobility in soil
Trisodium citrate dihydrate	No data available				

Sun Platinum-Eco Dishwasher Pods

sodium carbonate	No data available				Potential for mobility in soil, soluble in water
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	No data available				Mobile in soil
alkyl alcohol ethoxylate	No data available				
disodium disilicate	No data available				
alkyl alcohol alkoxylate	No data available				
Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether	No data available				
alkyl alcohol alkoxylate	No data available				
subtilisin	No data available				
amylase, alpha-	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 or ID number: 3267

14.2 UN proper shipping name:

Corrosive liquid, basic, organic, n.o.s. (trisodium citrate , alkyl alcohol ethoxylate)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 8

14.4 Packing group: III

14.5 Environmental hazards:

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6 Special precautions for user: None known.

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

Other relevant information:

Hazchem code: 2X

IMO/IMDG

EmS: F-A, S-B

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

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

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

HSNO Approval Number

HSR002530.

Group standard

Cleaning Products (Subsidiary Hazard) Group Standard 2020

Inventory Listing(s)

New Zealand: NZIoC (New Zealand Inventory of Chemicals)

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

Sun Platinum-Eco Dishwasher Pods

HSNO Classification

6.3A - Irritating to the skin
6.5A - Respiratory sensitisers
8.1A - Corrosive to metals
8.3A - Corrosive to ocular tissue
9.1B - Ecotoxic in the aquatic environment

SECTION 16: Other information

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

SDS code: MS3200773

Version:

Revision: 2025-06-11

Abbreviations and acronyms:

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

End of Safety Data Sheet