

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product:	Active Rapid Lime Tablets
Product Use:	Auto Dishwashing
Restriction of Use:	Refer to Section 15
 New Zealand Supplier:	 Quantum Pacific NZ Ltd
Address:	14-16 Norman Spencer Drive Manukau Auckland, 2104 New Zealand
 Telephone:	 +64 9 259 7040
Emergency No:	0800 764 766 (National Poison Centre) CHEMCALL 0800 (243622)
 Australian Supplier:	 Suite 28, Seabridge House 377 Kent Street, Sydney NSW 2000 Australia
 Tel:	 1800 003 850
Australian Emergency No	13 11 26 (National Poison Centre)
 Date of SDS Preparation:	 25 January 2023

Section 2. Hazards Identification

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

New Zealand:

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Cleaning Products (subsidiary) – HSR002530

Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Skin irritation Cat. 2	H315	Causes skin irritation.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
Hazardous to the aquatic environment chronic Cat. 3	H412	Harmful to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Sodium carbonate	40-60	497-19-8
Sodium Percarbonate	10-20	15630-89-4
Alcohols C9-11, Ethoxylated	3-5	103818-93-5
Subtilisin	<0.1	9014-01-1
Amylase	<0.1	9000-90-2
Alcohols, C12-14, Ethoxylated Propoxylated	<1	68439-51-0
Non hazardous	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If on Skin	Remove/Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/ attention.
If Swallowed	DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head below hips to prevent aspiration to lungs. Seek medical attention if needed. Call a POISON CENTER or doctor/physician if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position

and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Not applicable.

Inhalation: Not applicable.

Skin: Causes skin irritation.

Eye: Causes serious eye irritation.

Notes to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable or combustible.
Hazards from combustion products	May give off toxic fumes in a fire including carbon dioxide and carbon monoxide.
Suitable Extinguishing media	Use foam, carbon dioxide, water fog or spray. Do not use water jet.
Precautions for firefighters and special protective clothing	Wear full firefighting gear and self-contained breathing apparatus.
HAZCHEM CODE	2Z

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Ventilate area if possible. Avoid contact with skin and eyes. Avoid breathing dust.

Do not allow to enter drains and water courses.

Contain the spill and soak up with absorbent material. Scoop up material and place in a suitable, labelled disposal container. Rinse residues from area with water. Dispose of in compliance with local and/or national regulations as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Wash hands thoroughly after handling.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Remove contaminated clothing and wash hands and face before entering eating areas.
- In case of inadequate ventilation wear respiratory protection.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Keep container tightly closed in a cool, dry, well-ventilated place.
- Keep in original container or in an alternative container made from compatible material and correctly labelled.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Product Name: Active Rapid Lime Tablets				
Date of SDS: 25 January 2023				
SDS Prepared by: Technical Compliance Consultants				
Tel: 64 9 475 5240 www.techcomp.co.nz				

Subtilisins (Proteolytic enzymes, as 100% pure crystalline enzyme)

[9014-01-1]

Ceiling 0.00006

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

Engineering Controls

If handling generates mists/sprays, use engineering controls such as local exhaust ventilation or process enclosures to ensure workers are not exposed to levels exceeding the exposure standards.

Personal Protection Equipment



Eyes	Use safety glasses with side shields or safety goggles to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.
Hands	Wear chemically resistant protective gloves. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.
Skin	Use protective clothing if handling large quantities. Remove any contaminated clothing to avoid prolonged contact with the skin. Wash work clothes regularly. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.
Respiratory	Required when a high level of dust is generated. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
General	Eyewash facilities and safety showers should be provided in the work area where there is a risk of exposure to eyes and skin. Avoid contact with the skin and eyes. PPE selected must be impervious to the substance. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with safe industrial hygiene practices.

Section 9 Physical and Chemical Properties

Appearance	Solid
Colour	White and Green
Odour	Lime
Odour Threshold	Not available
1% solution pH (20°C):	9.1 – 10.1
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Non Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Bulk Density	Not available
Water Solubility	Very soluble (water 20°C)
Partition Coefficient:	Not available

Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	No adverse reactions expected under normal conditions of storage and use.
Conditions to Avoid	Avoid extreme heat, direct sunlight.
Incompatible Materials	Keep away from strong oxidising agents.
Hazardous Decomposition Products	No hazardous decomposition products expected.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable. Mixture rules calculation = LD50 = 6075.37mg/kg
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Causes skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Sodium Carbonate (5329-14-6)	-	-	1.15mg/L (dust/mist) (rat)
Sodium Percarbonate (15630-89-4)	1034mg/kg (rat)	-	-

Section 12. Ecotoxicological Information

Harmful to aquatic life with long lasting effects.

Product:	
Persistence and degradability	Surfactant used in the product are biodegradable.
Bioaccumulation	No data on product.
Mobility	Product is soluble in water.
Other adverse effects	No data available

Do not allow to enter waterways.

Section 13. Disposal Considerations

Product Name: Active Rapid Lime Tablets
Date of SDS: 25 January 2023

SDS Prepared by: Technical Compliance Consultants
Tel: 64 9 475 5240 www.techcomp.co.nz

Disposal Method: None Specified. Return to supplier or dispose as per local regulations

Packaging: Recycle packaging where possible. Dispose of packaging via an approved waste disposal contractor. Consumer quantities may be disposed of via household waste.

Precautions or methods to avoid: Do not allow to enter waterways.

Section 14 Transport Information

This product is NOT classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021

Section 15 Regulatory Information

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

New Zealand:

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Cleaning Products (subsidiary) – HSR002530

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000kg
Emergency Response Plan	1000kg
Secondary Containment	1000kg
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

New Zealand:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Australia:

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

Disclaimer

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Please contact the Australian Manufacturer or New Zealand distributor, if further information is required.

Issue Date (Rev02): 25 January 2023

Review Date: 25 January 2028