



Section 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name: Active Rapid Lemon Tablets

Supplier: Quantum Pacific NZ Ltd
6A Te Apunga Place
Mt Wellington
Auckland 1060
New Zealand

Phone: +64 9 259 7040

Recommended Use: Auto Dishwashing

In Case of Emergency Contact:

CHEMCALL: 0800 CHEMCALL (243 622)

Section 2: HAZARDS IDENTIFICATION

This product is classified as hazardous according to criteria in the EPA Hazardous Substances (Minimum Degrees of Hazards) Notice 2017.

Classified under the group standard "Cleaning Products (Subsidiary Hazard) Group Standard 2017"

HSNO APPROVAL NUMBER: **HSR002530**

GHS Classification: Skin Irritation Category 2
Eye Irritation category 2
Respiratory Sensitisation, category 1

HSNO Classification of Product:

6.3A ,6.4A,6.5A

Hazard Statements:

H315 Causes skin irritation
H319 Cause serious eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled



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GHS Pictograms:



DANGER

PREVENTION STATEMENTS:

P102: Keep out of reach of children

P103 – Read label before use.

P264 – wash hands thoroughly after handling

P280- Wear Protective gloves/Eye Protection/face protection*

P261- Avoid breathing dust*

P285 – In case of inadequate ventilation wear respiratory protection. *

*These statements apply if handling the product in bulk in powder form, without outer wrapper. For details of personal protective equipment, refer section 8

RESPONSE STATEMENTS

P302+P352 – If on skin, wash with plenty of water

P321 – Refer to first aid statement on label

P332+ P313 – If skin irritation occurs: Get medical advice/attention

P362 – Take off contaminated clothing and wash before re-use

P305+P351+P338 –if goes into eye, rinse cautiously with plenty of water for several minutes, remove contact lens if present and easy to do, continue rinsing

P337+P313 – if eye irritation persists: Get medical advice/attention

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

P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

STORAGE

No special storage requirements.

DISPOSAL

P501 – In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Main Component	CAS Number	Concentration
Sodium carbonate	497-19-8	10 - 30% Active
Alcohols C9-11, Ethoxylated	103818-93-5	1 -10%
Citric Acid	77-92-9	10 -30%
Sodium Percarbonate	15630-89-4	5 – 20 %
Yellow Dye	12225-21-7	0.1 -1.0%
Subtilisin	9014-01-1	0.1-1.0%



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Amylase	9000-90-2	<0.1%
Alcohols, C12-14, Ethoxylated Propoxylated	68439-51-0	1 -5%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment or meet the cut off criteria to be listed here.

Section 4: FIRST AID MEASURES

Workplace Facilities Required: Eye wash and safety shower facilities are required.

If Inhaled: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

In Contact with Eye: Rinse cautiously with plenty of water for several minutes, remove contact lenses if present and easy to do, continue rinsing. Seek medical attention if irritation develops and persists.

In Contact with Skin: Wash exposed skin with plenty of water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek medical attention if skin irritation develops and persists.

If Swallowed: DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration to lungs.

Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Product is not flammable or combustible.

Suitable Extinguishing Media: Use foam, carbon dioxide, water fog or spray. Do not use water jet.

Precautions in Connection with Fire: May give off toxic fumes in a fire including carbon dioxide and carbon monoxide

Advice for firefighters: Wear full firefighting gear and self-contained breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan is required under Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 when held in quantities greater than 1000kg.

Precautions: Clear area of all unprotected personnel. Keep unnecessary and unprotected



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personnel from entering area. Ventilate area if possible. Avoid contact with skin and eyes. Avoid breathing mists/sprays.

Suitable Protective Equipment:

Emergency responders must use personal protective equipment, including gloves, protective overalls and footwear, and safety goggles and respirator. Respiratory protection may be required where there is inadequate ventilation and a risk of mists/sprays being present.

Spill or Leak Procedures:

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.

Waste Disposal Methods:

Dispose of as per Section 13.

Emergency preparation:

Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid contact with skin and eyes and inhalation of vapour, mist or aerosols Do not eat drink or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas.

Storage:

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. Avoid contact with incompatible substances listed in section 10.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ:

No workplace exposure standards have been set for this product or the ingredients.

Engineering Controls:

Eyewash facilities and safety showers should be provided in the work area where there is a risk of exposure to eyes and skin. 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 Protective Equipment:

Avoid contact with the skin and eyes.

Hand protection:

Wear chemically resistant protective gloves. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.

Skin and body protection:

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



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protective clothing.

- Eye protection:** Use safety glasses with side shields or safety goggles to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.
- Respiratory protection:** Required when a high level of mist/spray 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.
- Other information:** 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

Description:	Solid	Colour:	Yellow and White
Odour:	Lemon	Odour Threshold:	Not applicable
pH (20°C):	9.1-10.1	Solubility (water, 20°C):	Very soluble
Melting point:	Not determined	Boiling Point:	Not determined
Flammability:	Non-flammable	Flash Point:	Not applicable
UEL/LEL:	Not applicable	Vapour Pressure (20°C):	Not determined
Decomposition Temp:	Not determined	Autoignition Temp:	Not determined
Density (20°C):	Not applicable	Bulk Density (20°C):	Not applicable
Partition Coefficient: n-octanol/water	Not determined	Viscosity (20°C):	Not applicable

Section 10: STABILITY AND REACTIVITY

- Stability:** Stable under normal storage conditions.
- Reactivity:** No adverse reactions expected under normal conditions of storage and use.
- Conditions to Avoid:** Avoid extreme heat, direct sunlight.
- Incompatibility:** Keep away from strong oxidising agents.
- Hazardous Decomposition:** No hazardous decomposition products expected.

Section 11: TOXICOLOGICAL INFORMATION

Acute Exposure

- Oral:** LD50 oral > 5000mg/kg (Based on ingredient information).
- Dermal:** Not expected to be toxic by this route.



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Inhalation: Not expected to be toxic by this route.

Skin Contact: Skin irritant.

Eye Contact: Eye irritant.

Sensitiser: Respiratory sensitiser.

Chronic Exposure:

Mutagen/Carcinogen/Reproductive Toxicant Not expected to be a mutagen, carcinogen or reproductive/developmental toxicant.

Specific Target Organ Systemic Toxicity: Not expected to be harmful to specific target organs or systems.

Toxicity data is based on hazardous ingredient information.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not harmful to the aquatic environment. Not expected to be harmful to terrestrial environment.

Persistence/degradability: Surfactant used in the product are biodegradable.

Bioaccumulation: No data on product.

Mobility: Product is very soluble in water.
Ecotoxicity data is based on hazardous ingredient information.

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Dispose of waste product and contaminated absorbent material via an approved waste disposal contractor.

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

Section 14: TRANSPORT INFORMATION

This product is not classified as a Dangerous Good for transport in accordance with NZS5433:2012, IMDG or IATA.

Section 15: REGULATORY INFORMATION

Group Standard Allocation: Cleaning Products (Subsidiary Hazard) Group Standard 2017



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HSNO Approval Code: HSR002530

GHS Classifications: Skin Irritation Category 2
Eye Irritation category 2
Respiratory Sensitisation, category 1

HSNO Classification: 6.3A ,6.4A, 6.5A

This substance triggers:

Compliance Certificate	N/A
Certified Handler	N/A
Emergency Response Plan	>1000 kg
Secondary Containment	>1000 kg
Signage	N/A

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

Section 16: OTHER INFORMATION

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved under HSNO for use as a cleaning product. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

Issue date Oct 2018

Revision date: August 10, 2021

Reason for Revision: Internal review to comply with New Zealand regulatory requirements and change to GHS classification and Reviewed Formulation.

References:

- Cleaning Products (Subsidiary Hazard) Group Standard 2017
- Hazardous Substances (Hazard Classification) Notice 2020, October 2020
- EPA-CCID, NZIoC, GHS Classification
- Ingredient SDS's
- EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014
- Workplace exposure standard published by work safe NZ and available on their website.

END OF SAFETY DATA SHEET