

SAFETY DATA SHEET

Section 1.	Identification of the material and the supplier
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Product Name:	Rock Phosphate (RPR)
Product Use:	Fertiliser – Raw Material
Restriction of Use in NZ:	Refer to Section 15
Australian Supplier/Manufacturer:	MARNCO PTY LTD Safe Deposit Building, Level 3 90 Queen Street Melbourne, VIC, 3000 Australia
Tel:	1300 106 700
Australian Emergency No	13 11 26 (National Poison Centre)
New Zealand Supplier:	MARNCO LIMITED
Address:	1/190A Maunganui Road Mount Maunganui, 3116 NEW ZEALAND
Telephone:	0800 MARNCO (0800 627 626)
Emergency No:	0800 764 766 (National Poison Centre)
Date of SDS Preparation:	30 January 2025

Section 2.	Hazards Identification
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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: Additives, Process Chemicals and Raw Materials (subsidiary) – HSR002503

Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Specific target organ toxicity – repeated exposure Cat. 1	H372	Causes damage to organs through prolonged or repeated exposure.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P260	Do not breathe dust.
P264	Wash hands thoroughly after handling.

P270	Do not eat, drink or smoke when using this product.
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Response Code	Response Statement
P314	Get medical advice/attention if you feel unwell.

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.
Rock Phosphate	100	65996-94-3

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

If on Skin If skin contact occurs remove contaminated clothing and wash skin with mild soap and water. If irritation persists seek medical advice.

If Swallowed Rinse mouth with water. If swallowed, give glass of water to drink, if vomiting occurs give further water, seek medical advice.

If Inhaled Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove contaminated clothing and loosen remaining clothing. 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: Causes damage to organs through prolonged or repeated exposure.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable and Non Combustible.
Hazards from products	Decomposes on heating emitting toxic fumes.
Suitable Extinguishing media	Adapt extinguishing media to the environment for surrounding fires.
Precautions for firefighters and special protective clothing	Fire fighters to wear self contained breathing apparatus and suitable protective clothing if risk of exposure to product of decomposition.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Personal precautions:

Use protective clothing as detailed in Section 8. Avoid contact with eyes. Clear area of all unprotected personnel. Avoid breathing in dust. Increase ventilation.

Environmental precautions:

Do not discharge into drains and waterways.

Spill and Disposal procedures:

Sweep up and collect and seal in properly labeled containers or bags for disposal or refuse. Dispose of waste safely, refer to Section 13.

Section 7. Handling and Storage
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Precautions for Handling:

- Read carefully and follow all instructions.
- Do not breathe dust.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid skin and eye contact.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in cool, dry, well ventilated place and out of direct sunlight.

Section 8 Exposure Controls / Personal Protection
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WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm mg/m ³	STEL ppm mg/m ³
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None of the components have assigned exposure limits.

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.

New Zealand: Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14TH EDITION.
AUST: Workplace Exposure Standards for Airborne Contaminants Oct 2022.

Engineering Controls

Use in well-ventilated areas.

Personal Protection Equipment

Eyes	Wear chemical safety glasses to prevent eye contact.
Hands	Wear protective gloves to prevent skin contact.
Respiratory	Where dust is a problem wear a dust mask.

Section 9 Physical and Chemical Properties

Appearance	Loose solid
Colour	Yellowish
Odour	Odourless
Odour Threshold	Not available
pH	Not available
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
Specific Gravity	1.4 - 1.6
Water Solubility	Negligible solubility in water
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 data available.
Conditions to Avoid	No data available.
Incompatible Materials	No data available.
Hazardous Decomposition Products	No data available.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable. Breathing in dust may result in respiratory irritation.
Eye	Not applicable. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to eyes.
Skin	Not applicable. Repeated or prolonged skin contact may lead to irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Causes damage to organs through prolonged or repeated exposure.
Long Term Effects	This product may contain low level of fluoride (F) as an impurity. Chronic Ingestion, eg.improper or inadvertent use as a dietary phosphorus supplement for ruminants (cattle and sheep) , may result n flourosis.

Section 12. Ecotoxicological Information

It is not anticipated to cause any adverse effects to plants or animals.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Dispose with an authorized waste facility in accordance with Local Regulations.

Precautions or methods to avoid: None known.

Section 14	Transport Information
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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

Section 15	Regulatory Information
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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: Additives, Process Chemicals and Raw Materials (subsidiary) – HSR002503

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	Not required
Emergency Response Plan	10 000kg
Secondary Containment	10 000kg
Restriction of Use	Only use for the intended purpose.

Section 16	Other Information
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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:

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.

New Zealand:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices NOV 2023 14th 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

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

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

Issue Date: 30 January 2025 Review Date: 30 January 2030