

Safety Data Sheet



Dolomite

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Dolomite
Product Code:	0110000
Recommended Use:	Fertiliser
Restrictions of Use:	Refer to Section 15
Company Identification:	Ravensdown Limited
Address:	292 Main South Road, Hornby, Christchurch, 8042 PO Box 1049, Christchurch 8011
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Phone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency Phone Number:	111 - tell operator what service is needed: Fire, Ambulance or Police
Date of SDS Preparation	19 October 2023

Section 2: HAZARD IDENTIFICATION

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT %
Dolomite	16389-88-1	100%

Section 4: FIRST AID MEASURES

Routes of Exposure:	
First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
If in eyes:	Immediately flush with gentle stream of water for until irritation gone, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical attention.
If on skin:	Wash affected area thoroughly with soap and water, if it causes an irritation. Wash hands thoroughly before eating.
If ingested:	Never give anything by mouth to an unconscious person. If large quantities have been swallowed give 1 or 2 glasses of fluids to dilute (if conscious) DO NOT induce vomiting. Seek medical advice.
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. Get medical advice if breathing becomes difficult.
Most important symptoms and effects, both acute and delayed	
Symptoms:	Refer to Section 11
Eyes:	Not applicable.
Skin:	Not applicable.
Ingested:	Not applicable.
Inhaled:	Not applicable.
Chronic:	Not applicable.
Advice to Doctor:	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Hazard Type	Non Flammable.
Hazards from combustion products	Decomposes at 800°C liberating carbon dioxide yielding a reactive alkaline powder (Calcium Oxide) that reacts exothermally with water. Remain upwind and notify those downwind of hazard.
Suitable Extinguishing media	Based on surrounding materials.
Precautions for firefighters and special protective clothing	Breathing apparatus goggles and protective gloves.
HAZCHEM CODE	None allocated.

Section 6: ACCIDENTIAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	
Protect yourself and others from injury. Wear appropriate protective clothing.	
Environmental precautions:	
Avoid unintended release of excessive amounts into waterways or sewers. If spill does enter waterway contact local authority.	
Methods and material for containment and cleaning up:	
Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible.	
Small spills: Wash down drain with plenty of water.	
Large spills: Sweep up majority of spill, remainder do as above.	

Section 7: HANDLING AND STORAGE

Handling:	Avoid generating dusts, do not breathe dusts. Keep away from oxidizing agents, acid. Use only outdoors or in a well-ventilated area.
Storage:	Store in a cool, dry, well-ventilated area. Ensure containers/packages are adequately labelled, protected from physical damage and sealed when not in use.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Respirable Dust	-	10	-	-
Quartz	-	0.2	-	-

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:	Handle in well-ventilation area. If dust generated use local extraction to control. Avoid inhalation of dust.
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Personal Protection Equipment:	
Eyes:	Safety glasses. If dusts present wear goggles.
Skin/Hands:	Overalls, gloves.
Respiratory:	If dust is present wear dust mask and dust proof goggles. Where a dust inhalation risk exists wear a class P1 (Particulate) respirator. Eye wash facilities should be available.
General:	Remove protective clothing and wash hands and face after working with substance.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder or chip
Colour	Brown to Orange
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	1500°C
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	2.7 g/cm ³
Bulk Density	Not available
Water Solubility	Insoluble in hot or cold water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	800°C
Kinematic Viscosity	Not available
Granulometrics (mm)	Not available

Section 10: STABILITY AND REACTIVITY

Stability of Substance	Stable under ordinary conditions of use and storage.
Possibility of hazardous reactions	Not data available.
Conditions to Avoid	Incompatible materials.
Incompatible Materials	No data available.
Hazardous Decomposition Products	Decomposes at 800oC liberating carbon dioxide yielding a reactive alkaline powder (Calcium Oxide) that reacts exothermally with water. Remain upwind and notify those downwind of hazard.

Section 11: TOXICOLOGICAL INFORMATION

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.

Eye	Not applicable.
Skin	Not applicable.

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.

Section 12: ECOLOGICAL INFORMATION

Not known to be an environmental hazard.

Persistence and degradability	No data available.
Bioaccumulation	No data available
Mobility in Soil	No data available.
Other adverse effects	Avoid unintended release into streams and waterways. Always use recommendations as outlined in the NZ Fertiliser Manufacturers' Research Association "Code of Practice for Fertiliser Use"

Section 13: DISPOSAL INFORMATION

Disposal Method:	Observe any local authority restrictions that may apply. Collection into sealable containers and dispose of in an approved land fill. If practicable apply excess fertiliser at recommended rates to appropriate land. Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.
Precautions or methods to avoid:	None known.

Section 14: TRANSPORT INFORMATION

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

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 16: OTHER INFORMATION

Glossary

Cat	Category
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:

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

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Please contact Ravensdown, if further information is required.

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