

# Safety Data Sheet



## Dolomite

### Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

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

<b>Routes of Exposure:</b>	
<b>First Aid Measures:</b>	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
<b>If in eyes:</b>	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.
<b>If on skin:</b>	Wash affected area thoroughly with soap and water, if it causes an irritation. Wash hands thoroughly before eating.
<b>If ingested:</b>	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.
<b>If inhaled:</b>	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.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Symptoms:</b>	Refer to Section 11
<b>Eyes:</b>	Not applicable.
<b>Skin:</b>	Not applicable.
<b>Ingested:</b>	Not applicable.
<b>Inhaled:</b>	Not applicable.
<b>Chronic:</b>	Not applicable.
<b>Advice to Doctor:</b>	Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

<b>Hazard Type</b>	Non Flammable.
<b>Hazards from combustion products</b>	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.
<b>Suitable Extinguishing media</b>	Based on surrounding materials.
<b>Precautions for firefighters and special protective clothing</b>	Breathing apparatus goggles and protective gloves.
<b>HAZCHEM CODE</b>	<b>None allocated.</b>

### Section 6: ACCIDENTIAL RELEASE MEASURES

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

### Section 7: HANDLING AND STORAGE

<b>Handling:</b>	Avoid generating dusts, do not breathe dusts. Keep away from oxidizing agents, acid. Use only outdoors or in a well-ventilated area.
<b>Storage:</b>	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 <sup>3</sup>	ppm	mg/m <sup>3</sup>
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 13<sup>TH</sup> EDITION.

<b>Engineering Controls:</b>	Handle in well-ventilation area. If dust generated use local extraction to control. Avoid inhalation of dust.
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<b>Personal Protection Equipment:</b>	
<b>Eyes:</b>	Safety glasses. If dusts present wear goggles.
<b>Skin/Hands:</b>	Overalls, gloves.
<b>Respiratory:</b>	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.
<b>General:</b>	Remove protective clothing and wash hands and face after working with substance.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

## Section 10: STABILITY AND REACTIVITY

<b>Stability of Substance</b>	Stable under ordinary conditions of use and storage.
<b>Possibility of hazardous reactions</b>	Not data available.
<b>Conditions to Avoid</b>	Incompatible materials.
<b>Incompatible Materials</b>	No data available.
<b>Hazardous Decomposition Products</b>	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:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.

<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

**Chronic Effects:**

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

**Section 12: ECOLOGICAL INFORMATION**

Not known to be an environmental hazard.

<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available.
<b>Other adverse effects</b>	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**

<b>Disposal Method:</b>	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.
<b>Precautions or methods to avoid:</b>	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 <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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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