

Safety data sheet

Dolomite

Morton Smith-Dawe
LIMITED



UPDATED: 9 April 2015

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Dolomite
Chemical Formula:	CaCO ₃ MgCO ₃
Recommended Use:	Fertiliser
Company Identification:	Morton Smith-Dawe Ltd
Address:	396 Wigram Road, Halswell, Christchurch PO Box 37-139, Halswell, Christchurch
Telephone Number:	03 322 8117
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

Section 2: HAZARD IDENTIFICATION

Statement of Hazardous Nature:	Not classified as hazardous
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Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Calcium Carbonate	1317-65-3	58%
Magnesium Carbonate	N/A	38%
Acid Insoluble		3%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation:	If ill effects occur, remove to fresh air. Keep at rest in comfortable position for breathing. Seek medical advice.
Ingestion:	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.
Skin:	Wash affected area thoroughly with soap and water, if it causes an irritation. Wash hands thoroughly before eating
Eye:	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.
Advice to Doctor:	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	N/A
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Hazardous Combustion 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.
Extinguishing Media:	Based on surrounding materials.
Protective Equipment:	Breathing apparatus goggles and protective gloves.
HAZCHEM Code:	None allocated.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	<p>Protect yourself and others from injury. Wear appropriate protective clothing. Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible.</p> <p>Small spills: Wash down drain with plenty of water.</p> <p>Large spills: Sweep up majority of spill, remainder do as above.</p>
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental	Avoid unintended release of excessive amounts into waterways or sewers. If spill does enter waterway contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	<p>Avoid generating dusts, do not breathe dusts. Keep away from oxidizing agents, acid. Use only outdoors or in a well-ventilated area.</p> <p>Approved Handler: Not required</p> <p>Tracking: Not required</p> <p>Record Keeping: Not required</p>
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.
Other Information:	Avoid unintended release into the environment.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	<p>Time Weighted Average (TWA): 10mg.m3 Respirable dust as dolomite 0.2mg.m3 as quartz.</p> <p>Tolerable Exposure Limit (TEL): Not assigned</p>
Protective Equipment:	Overalls, safety glasses and gloves. If dust is present wear dust mask and dust proof goggles. Where a dust inhalation risk exists wear a class P! (Particulate) respirator. Eye wash facilities should be available
Engineering Controls:	Handle in well-ventilation area. If dust generated use local extraction to control. Avoid inhalation of dust.
Hygiene Precautions:	Remove protective clothing and wash hands and face after working with substance.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown to orange.
Format:	Powder or chip
Odour:	
Specific Gravity:	2.7 g/cm ³
Bulk Density:	Not available
pH:	
Solubility in Water:	Insoluble in hot or cold water

Boiling Point:	Not available
Melting Point:	1500°C
Decomposition Temperature:	800°C
Vapour Pressure	N/A
Vapour Density:	Not available
Auto-Ignition Temperature:	N/A

Section 10: STABILITY AND REACTIVITY

Stability:	Product is stable.
Hazardous Polymerisation:	Will not occur.
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.
Conditions to Avoid:	Incompatible materials.
Materials to Avoid:	

Section 11: TOXICOLOGICAL INFORMATION

Hazard Classifications:	
Ingestion:	Low Irritant.
Inhalation:	Low Irritant. Over exposure may result in mucous membrane irritation of nose and throat with coughing.
Skin:	Low Irritant
Eye:	Low Irritant
Other Information:	No adverse health effects expected under normal conditions.
Toxicological Data:	Not available

Section 12: ECOLOGICAL INFORMATION

Hazard Classifications:	Not assigned
Ecotoxicity:	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

Product Disposal:	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.
Container Disposal:	Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.

Section 14: TRANSPORT INFORMATION

UN Number:	None Assigned
Other Information:	Not regulated for transport purposes.

Section 15: REGULATORY INFORMATION

EPA:	See www.epa.govt.nz for approval controls.
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Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown and supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.