



Safety Data Sheet

Magnesium Oxide


UPDATED: 08 February 2020

Section 1: SUBSTANCE IDENTIFICATION & SUPPLIER

Product Name:	Magnesium Oxide - Used in General Garden, Rhododendron & Rose Fertiliser
Other Names:	Magnesium Oxide Fine, Magnesium Oxide Drenching, Calcined Magnesite, Calcined Brucite
Chemical Formula:	MgO
Recommended Use:	Fertiliser
Company Identification:	Morton Smith - Dawe Limited
Address:	396 Wigram Road, Halswell, Christchurch PO Box 37 - 139 Halswell
Customer Centre:	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

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Pictograms	
Signal Word:	DANGER
Hazard Classifications:	6.4A, 6.9B
Priority Identifiers:	WARNING KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers:	6.4A = Eye irritant 6.9B = Harmful to human target organs or systems

Section 3: COMPOSITION IDENTIFICATION

INGREDIENT	CAS No.	CONTENT
Magnesium Oxide	1309-48-4	90-100%

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.
Routes of Exposure:	
If in eyes:	Flush with plenty of water for 15 minutes holding eyelids open if necessary. Call a doctor immediately.
If on skin	Remove contaminated clothing and wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.
If Ingested:	Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.
If Inhaled:	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Advice to Doctor:	No specific antidote. Treat symptomatically. If vomiting is induced, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

Section 5: FIRE FIGHTING MEASURES

Hazard Type	Not applicable (non-flammable)
Hazardous Combustion Products:	None
Extinguishing Media:	Based on surrounding materials.
Protective Equipment:	Breathing apparatus plus protective gloves
HAZCHEM Code:	None allocated


Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	
For appropriate personal protective equipment see section 8.	
Environmental precautions:	
Prevent from entering drains, waterways or sewers. If spill does enter waterways contact the local authority.	
Methods and material for containment and cleaning up:	
Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.	

Section 7: HANDLING AND STORAGE

Handling:	<p>Keep out of reach of children. Avoid contact with skin, eyes and inhalation of vapours. Use personal protective equipment as required.</p> <p>Approved Handler: Not required</p> <p>Tracking: Not required</p> <p>Record Keeping: Not required</p>
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser and seed. Store in accordance with NZS 8409; Management of Agrichemicals.
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product.
Personal Protection Equipment:	
Engineering Controls:	Handle in well-ventilated area. Avoid inhalation of dust.
Hygiene Precautions:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.

Section 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White, off-white or brown powder or small granule
Odour:	Odourless
pH:	Not available
Boiling Point:	Not available
Melting Point:	2,600°C
Specific Gravity:	1.2
Flammability:	Not applicable (non-flammable)
Upper and Lower Explosive Limits:	Not available
Vapour Pressure:	Not available
Vapour Density:	Not available
Relative Density:	Not available
Water Solubility:	Insoluble
Partition Coefficient:	Not available
Auto-Ignition Temperature:	Not available
Kinematic Viscosity	Not available

Section 10: STABILITY & REACTIVITY

Stability of Substance:	Stable. When stored appropriately this product should show no significant degradation for at least 5 years from the date of manufacture.
Hazardous Polymerisation:	Hazardous polymerisation is not likely to occur
Hazardous Decomposition Products:	Hydrogen Chloride
Conditions to Avoid:	High humidity
Materials to Avoid:	None

Section 11: TOXICOLOGICAL INFORMATION

Hazard Classifications:	6.4A, 6.9B
Ingestion:	Regarded as practically non-toxic but may be harmful if swallowed in large quantities.
Inhalation:	Inhalation of dust may be irritating.
Skin:	May be mildly irritating and may cause drying of the skin.
Eye:	Irritating to the eyes.
Chronic Effects:	Repeated exposure may damage lungs and respiratory system.
Reproductive Toxicity:	No reproductive effects.

Section 12: ECOLOGICAL INFORMATION

Hazard Classifications:	Not considered an ecotoxic substance
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Section 13: DISPOSAL INFORMATION

Disposal Method:	Dispose of product only by using according to label or at an approved landfill. Recycle where possible. Do not contaminate bodies of water with chemical or empty container.
Container Disposal:	Burn container in an appropriate incinerator if circumstance, such as wind direction permit. Otherwise bury in an approved landfill. Do not use container for any other purpose.

Section 14: TRANSPORT INFORMATION

Transport Information:

It is good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilisers during transport..

RAIL/ROAD; SEA (IMDG Code); AIR (ICAO/IATA)

UN Number:	N/A
Proper Shipping Name:	N/A
DG Class:	N/A
Subsidiary Class:	N/A
Packing Group:	N/A
Marine Pollutant:	No
MTQ (non-commercial):	N/A
HAZCHEM Code:	N/A
IERG Number:	N/A

Other Information:

Check the latest versions of the Land Transport Dangerous Goods Rule 45001 and associated Transport of Dangerous Goods on Land (NZS 5433) for additional information on maximum allowable transport quantities (MTQ's), placarding and segregation. Sea transport may require further segregation.

Section 15: REGULATORY INFORMATION

ACVM:	Exempt from Registration under the ACVM Act 1997
EPA Approval Code:	Approved pursuant to the HSNO Act 1996 See www.epa.govt.nz for approval controls.

Section 16: OTHER INFORMATION

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

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 Morton Smith - Dawe, if further information is required.

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