

Trace-it Magnesium™

Section 1: Identification of the Substance or Mixture and of the Supplier

Product name:	Trace-it Magnesium™
Recommended use:	Liquid magnesium fertiliser to correct magnesium deficiencies.
Company details:	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone:	+64 4 237 0905
Email:	grochem@grochem.com
Emergency telephone:	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225) Australia 1800 127 406 Other locations +64 4 917 9888 or The National Poisons Centre 0800 POISON (0800 764 766)
Date of preparation:	26 May 2017

Completely read label and safety data sheet before using this product.

Section 2: Hazards Identification

Hazard classification (Transport):	Not dangerous for transport.
Hazardous substances (HSNO):	6.3B (WARNING: Causes mild skin irritation) 6.4A (WARNING: causes serious eye irritation)



Section 3: Composition/Information on Ingredients

Classification & type:

Material	CAS No.	Proportion (%w)
Magnesium Nitrate	13446-18-9	65-70
Other components (including wetting agent)		30-35

Section 4: First Aid Measures

Symptoms of exposure:

If Swallowed	Swallowing may result in irritation of the digestive tract.
If in Eyes	Causes serious eye irritation.
If on Skin	Cause mild skin irritation.
If Inhaled	Inhalation of mist or spray may result in respiratory irritation.

First aid actions:

	Call a POISON CENTRE or doctor/physician if you feel unwell. If medical advice is needed, have product container or label at hand.
If Swallowed	Give plenty of water to drink. Induce vomiting if conscious.
If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If on Skin	Wash thoroughly with soap and water. Remove contaminated clothing and wash before reusing. If skin irritation occurs, get medical attention/advice.
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing.

Workplace facilities: Eyewash.

Notes for medical personnel: Treat symptomatically, it may be necessary to support respiratory and cardiovascular function.

Section 5: Fire Fighting Measures

Type of Hazard:	Contains nitrate. Will intensify a fire if product dries to solid.
HAZCHEM code:	N/A
Combustion products:	Decomposition includes Oxides of Nitrogen, Magnesium and Sulphur.
Extinguishing media & methods:	Use methods appropriate to combustible material involved. Waste water should be contained or diluted with large excess.
Recommended protective clothing:	Fire-fighters to wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE.
Containment and clean up:	Contain and collect spillage. Avoid using combustible material to contain or absorb. Dispose of contaminated material at an approved landfill or use as prescribed on the label.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.

Section 7: Handling and Storage

Subsection 1:	Handling
Handling practices	Wear appropriate PPE as detailed in Section 8.3. Avoid breathing mist or spray.
Subsection 2:	Storage
Site requirements	Store in a cool place away from foodstuffs.
Packaging	It is preferable to keep stored in original packaging.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Exposure standards	No exposure standards have been set for this substance.
Subsection 2:	Engineering Controls
Exposure control measures	Use only outdoors or in a well-ventilated area. Avoid inhaling mist or spray. Use with local exhaust ventilation or while wearing air-supplied mask.
Subsection 3:	Personal Protective Equipment (PPE)
Data specifications for equipment	Wear eye/face protection, gloves and protective clothing. Wear face mask to prevent breathing mist or spray.
General Hygiene	Do not eat, drink or smoke while using this product. Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance	Off white liquid	pH	Approx 3
Odour	Mild	Boiling point (degC)	N/A
Specific gravity (kg/L)	1.358	Freezing point (degC)	N/A
Solubility	Soluble in water	Flammability information	Not flammable but may intensify fire

Section 10: Stability and Reactivity

Stability of substance:	Will decompose when heated (fire) or in contact with corrosives (Acid or Alkali).
Conditions to avoid:	None known.
Material to avoid:	None known.
Hazardous decomposition products:	Includes Oxides of Nitrogen, Magnesium and Sulphur.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and interpretation:	Magnesium nitrate LD50 Oral(rat) 5440mg/kg. See Section 2 for general hazard information.
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Section 12: Ecological Information

Potential environmental interactions:	Designed as a fertiliser to aid plant growth. Concentrated or excessive release is likely to have a detrimental effect on the environment. No data is available.
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Section 13: Disposal Considerations

Product disposal:	Dispose of only by using in accordance with the label instructions or at an approved landfill.
Container disposal:	Triple rinse container and deposit at an Agrecovery collection depot. www.agrecovery.co.nz . Do not incinerate.

Section 14: Transport Information

UN Number:	N/A
DG Class and Subsidiary Group:	N/A
Proper Shipping Name:	N/A
Packing group:	N/A
HAZCHEM Code:	N/A
Common Name:	N/A
Special precautions:	Do not carry more than 5L on a passenger service vehicle.

Section 15: Regulatory Information

Regulatory status:	This substance is approved Pursuant to the HSNO Act 1996, under the Fertilisers – Subsidiary Hazard group standard HSR002571.
Trigger quantities:	Locations holding more than these quantities must adhere to the relevant requirements:
SDS must be available for	50L
Signage	10,000L
Emergency Plan	10,000L
Bunding	10,000L

Section 16: Other Information

Revision due:	15 May 2017.
Additional information:	Directions for use are found on the product label.
Glossary:	
ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LD50	Lethal Dose to kill 50% of test animals/organisms
PPE	Personal Protective Equipment

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of GroChem, it is the user's responsibility to determine conditions of safe use of the product.