

Trace-it Manganese™

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

Product name:	Trace-it Manganese™
Recommended use:	Manganese supplement for agricultural applications.
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:	13 December 2017

Section 2: Hazards Identification

Hazard classification (Transport):	Class 9: Miscellaneous Dangerous Good
Hazardous substances (HSNO):	6.1E (Warning: May be harmful if swallowed or in contact with skin) 6.9A (Danger: Causes damage to organs through prolonged or repeated exposure) 9.1B (Toxic to aquatic life with long lasting effects)



Precautionary statement(s)	P101 If medical advice is needed have product container or label at hand P102 Keep out of reach of children P103 Read label before use P260 Do not breathe mist/spray P264 Wash thoroughly after handling P270 Do not eat, drink or smoke when using this product P312 Call a POISON CENTRE or doctor/physician if you feel unwell P314 Get medical advice/attention of you feel unwell P391 Collect spillage P501 Dispose of contents/container in accordance with relevant regulations
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Section 3: Composition/Information on Ingredients**Classification & type:**

Material	CAS No.	Proportion (%w)
Manganese Sulphate	10034-96-5	40
Other ingredients		to 100%

Section 4: First Aid Measures**First aid actions:**

If Swallowed	Call a POISON CENTRE or doctor/physician if you feel unwell. Do not induce vomiting.
If in Eyes	Rinse continually with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
If on Skin	Wash thoroughly with soap and water.
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing.

Workplace facilities: Eyewash and shower facilities should be available.

Notes for medical personnel: Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	Not flammable.
HAZCHEM code:	N/A
Combustion products:	Manganese and Sulphur oxides.
Extinguishing media & methods:	Use media suitable for flammable material involved. Contain media.
Recommended protective clothing:	Wear self container breathing apparatus.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE. Contact emergency services where appropriate.
Containment and clean up:	Contain spillage and absorb with absorbent material. Prevent product from entering waterways.
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.
Subsection 2:	Storage
Site requirements	Store in a cool environment.
Packaging	Ensure package is protected from puncture. Corrosive to some metals.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards	Long-term exposure should not exceed 0.2-0.4mg/m ³ .
Subsection 2:	Engineering Controls
Exposure control measures	Use only in a well ventilated area and avoid breathing spray and mist.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear impervious gloves, eye and skin protection. Wear a respirator when spraying.
General Hygiene	Always wash hands and exposed skin after use and before eating.

Section 9: Physical and Chemical Properties

Appearance	Pink liquid	pH	Not available
Odour	Mild	Boiling point (degC)	Not available
Specific gravity (kg/L)	1.44	Freezing point (degC)	Not available
Solubility	Fully soluble in water	Flammability information	Not flammable

Section 10: Stability and Reactivity

Stability of substance:	Stable under normal circumstances.
Conditions to avoid:	None known.
Material to avoid:	Strong acids, oxidisers.
Hazardous decomposition products:	Sulphur and Manganese oxides.
Hazardous polymerization:	Will not occur.
Specific Data:	May be corrosive to some metals.

Section 11: Toxicological Information

Data and interpretation:	Calculated LD50 3802mg/kg. See Section 2 for general hazard information.
Systems of Exposure:	No adverse health effects expected if the product is handled in accordance with this SDS and product label.

Symptoms that may arise if the product is mishandled are:

If Swallowed	Harmful if swallowed.
If in Eyes	May result in mild irritation.
If on Skin	May result in mild irritation.
If Inhaled	May cause respiratory tract irritation.

Note: Causes damage to organs through prolonged or repeated exposure. Damage may be caused via all routes of exposure.

Section 12: Ecological Information

Potential environmental interactions:

Environmental risk phrases	Toxic to aquatic life with long lasting effects.
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Section 13: Disposal Considerations

Product disposal:	Use as directed on the label. If not possible organise with distributor or local authority a suitable disposal.
Container disposal:	Triple-rinse container and deliver to an Agrecovery centre (www.agrecovery.co.nz).

Section 14: Transport Information

UN Number	3082
DG Class and Subsidiary Group	9
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, NOS
Packing group	III
HAZCHEM Code	2X
Special precautions	Do not carry more than 5L on a passenger service vehicle.

Section 15: Regulatory Information

Regulatory status: This product is approved pursuant to the HSNO Act (1996). Under the Fertilisers (Subsidiary Hazard) group standard. HSR 002571. See www.epa.govt.nz for approval conditions.

HSNo controls: Trigger quantities for this substance

SDS must be available for	Any Quantity
Signage	1000L
Emergency plan	1000L
Bunding	1000L

Section 16: Other Information

Revision due: 13 December 2022

Additional information: Directions for use are found on the product label.
Records are required to be kept whenever this product is applied.

Glossary:

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.