

Trace-it Boron™

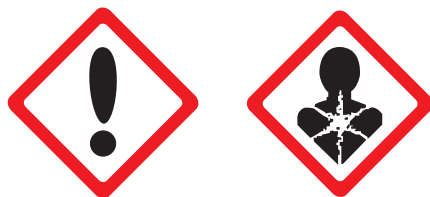
Section 1: Identification of the Substance or Mixture and of the Supplier

Product name:	Trace-it Boron™
Recommended use:	For the correction of boron deficiency
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:	23 May 2017

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

Section 2: Hazards Identification

Hazard classification (Transport):	Not a Dangerous Good under the Land Transport Rule: Dangerous Goods 2005.
Hazardous substances (HSNO):	6.1D (WARNING: Harmful if swallowed. Harmful in contact with skin) 6.3A (WARNING: Causes skin irritation) 6.4A (WARNING: Causes serious eye irritation) 6.8B (WARNING: Suspected of damaging fertility or the unborn child) 6.9A (DANGER: Causes damage to Liver or Kidney through repeat or prolonged exposure) 9.3C (Harmful to terrestrial vertebrates)



Section 3: Composition/Information on Ingredients

Classification & type:

Material	CAS No.	Proportion (%w)
Boron erthanolamine complex		70-80
Non-hazardous components		To 100

Section 4: First Aid Measures

Symptoms of exposure:	No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms that may arise if the product is mishandled are: Harmful if swallowed, in contact with skin or inhaled. Causes serious eye irritation. Cause skin irritation. Suspected of damaging fertility or the unborn child. Causes damage to liver or kidney through repeat or prolonged exposure.
First aid actions:	If exposed or concerned, get medical advice/attention. Call a POISON CENTRE or doctor/physician if you feel unwell.
If Swallowed	Rinse mouth.
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 with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing.
Workplace facilities:	Standard hygiene facilities should be in place. Eyewash facilities must be available.
Notes for medical personnel:	Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	Not flammable, releases toxic gases if heated to decomposition
HAZCHEM code:	N/A
Combustion products:	Ammonia, oxides of carbon and nitrogen.
Extinguishing media & methods:	As suitable to the surroundings use foam, waters spray, dry chemical or CO2. Cool containers with water. Contain runoff.
Recommended protective clothing:	Positive pressure breathing apparatus should be used.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE.
Containment and clean up:	Contain spillage with absorbent material. Prevent spillage from entering waterways and drains. Avoid spreading spill material. Dispose of collected waste at an approved disposal facility.
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. Keep away from children.
Subsection 2:	Storage
Site requirements	Store locked up away from heat in a well ventilated area.
Packaging	Store in original container until used.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Exposure standards	Exposure standards for this compound have not been determined for this substance.
Subsection 2:	Engineering Controls
Exposure control measures	Avoid generation of product mist. Use breathing apparatus when spraying.
Subsection 3:	Personal Protective Equipment (PPE)
Data specifications for equipment	Wear eye protection. Wear breathing apparatus when spraying. Wear Nitrile or other impervious protective gloves.
General Hygiene	Wash thoroughly after handling. Leave contaminated clothing at work. Wash clothing before reuse.
	Do not eat, drink or smoke when using this product.

Section 9: Physical and Chemical Properties

Appearance	Thick Yellow liquid	pH	7.6
Odour	Amine	Boiling point (degC)	N/A
Specific gravity (kg/L)	1.375	Freezing point (degC)	N/A
Solubility	Infinite (water)	Flammability information	Not Flammable

Section 10: Stability and Reactivity

Stability of substance:	Stable under normal conditions.
Conditions to avoid:	Avoid high temperatures.
Material to avoid:	Avoid contact with aluminium, copper or oxidising agents.
Hazardous decomposition products:	Ammonia, carbon and nitrogen oxides.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and interpretation:	Calculated LD50 1790mg/kg.
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Section 12: Ecological Information

Potential environmental interactions:	Data organisation calculated LD50 1790mg/kg.
Environmental risk phrases:	Harmful to terrestrial vertebrates. Avoid contamination of waterways.

Section 13: Disposal Considerations

Product disposal:	Dispose of product by using in accordance with the label instructions. Alternatively bury at an approved landfill.
Container disposal:	Triple rinse into spray tank. Dispose of crushed and punctured container at an approved landfill.

Section 14: Transport Information

No special transport information is required for this substance.

Special precautions:	Do not carry more than 5L on a passenger service vehicle.
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Section 15: Regulatory Information

Regulatory status: Approved pursuant to the Hazardous Substances Act 1996 under the Fertilisers (Subsidiary hazards) Group standards HSR002571. See www.epa.govt.nz for approval conditions.

HSNO Trigger quantities: Trigger quantities for this substance:

SDS must be available for	Any quantity
Bunding	1000L
Emergency management	1000L
Signage	10,000L

Section 16: Other Information

Revision due: 23 May 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.