

Trace-it Copper™

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

Product name:	Trace-it Copper™
Recommended use:	For the correction of copper 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:	8 May 2017

Section 2: Hazards Identification

Hazard classification (Transport):	Not a Dangerous Good under the Land Transport Rule: Dangerous Goods.
Hazardous substances (HSNO):	6.1E (Warning: May be harmful if swallowed) 6.3A (Warning: Causes skin irritation) 6.4A (Warning: Causes serious eye irritation) 6.5B (Warning: May cause an allergic skin reaction) 6.9B (Warning: Causes damage to liver or kidney through repeat or prolonged exposure) 9.1D (May cause long lasting harmful effects to aquatic life)



Section 3: Composition/Information on Ingredients

Classification & type:

Material	CAS No.	Proportion (%w)
Copper EDTA	14025-15-1	38
Other 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:

If Swallowed	Acute poisoning shows symptoms of vomiting, gastric pain, dizziness, convulsions, shock, coma and possible death. Chronic poisoning may give rise to kidney damage, enlargement of liver and jaundice.
If in Eyes	Causes serious eye irritation.
If on Skin	Causes skin irritation and may cause an allergic skin reaction
If Inhaled	May cause irritation to the respiratory system.

First aid actions:

If exposed or if you feel unwell, call a POISON CENTRE or Doctor/Physician.

If Swallowed	Immediately call a POISON CENTRE or Doctor. Rinse mouth. DO NOT induce vomiting.
If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
If on Skin	Wash exposed skin thoroughly with plenty of soap and water after handling. If skin irritation or rash occurs, get medical advice attention. Take off contaminated clothing and wash before reuse.
If Inhaled	Remove to clean air and position in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.

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:

Oxides of Copper and Nitrogen.

Extinguishing media & methods:

As suitable to the surroundings use foam, water spray, dry chemical or CO₂.

Recommended protective clothing:

Positive pressure breathing apparatus should be used. Cool containers with water. Contain runoff.

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	Do not eat, drink or smoke while using this product. Do not breathe spray. Wear appropriate PPE as detailed in Section 8.3. Keep away from children. Read label before use.
Subsection 2:	Storage
Store site requirements	Store in a cool 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)
	Wear eye protection. Wear breathing apparatus when spraying. Wear Nitrile or other impervious protective gloves. Wear cotton overalls.
General Hygiene	Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash clothing before reuse.

Section 9: Physical and Chemical Properties

Appearance	Blue liquid	pH	6
Odour	Mild	Boiling point (degC)	Not available
Specific gravity (kg/L)	1.235 – 1.245	Freezing point (degC)	Not available
Solubility	Infinite (water)	Flammability information	Not flammable

Section 10: Stability and Reactivity

Stability of substance:	Stable under normal conditions.
Conditions to avoid:	None known.
Material to avoid:	Alkali.
Hazardous decomposition products:	May include Copper and Nitrogen oxides.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and interpretation:	Calculated LD50: 5000mg/kg.
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Section 12: Ecological Information

Potential environmental interactions:	May cause long lasting harmful effects to aquatic life.
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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. Deliver container to an appropriate recycling depot (e.g. Agrecovery).

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 under HSNO Act (1996) HSR002571 Fertilisers (Subsidiary Hazards) Group Standard 2006.
HSNO controls:	Trigger quantities for this substance:
SDS must be available for	Any quantity
Bunding	1000L
Emergency management	1000L
Signage	10,000L

Section 16:	Other Information
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Revision due:	8 May 2022.
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Additional information:	Directions for use are found on the product label.
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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.