

## Trace-it Zinc Sulphate™

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

<b>Product name:</b>	Trace-it Zinc Sulphate™
<b>Recommended use:</b>	A concentrated zinc sulphate solution to correct Zinc deficiencies.
<b>Company details:</b>	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
<b>Telephone:</b>	+64 4 237 0905
<b>Email:</b>	grochem@grochem.com
<b>Emergency telephone:</b>	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)
<b>Date of preparation:</b>	11 July 2017
	Please read safety data sheet and label before use Keep out of reach of children

### Section 2: Hazards Identification

<b>Hazard classification (transport):</b>	Class 9
<b>Hazardous substances (HSNO):</b>	6.1E (Warning: Maybe harmful if swallowed, in contact with skin or if inhaled) 6.3B (Warning: Causes mild skin irritation) 6.9B (Warning: May cause damage to the blood system through prolonged or repeated exposure) 8.3A (Danger: Causes serious eye damage) 9.1A (Warning: Very toxic to aquatic life with long lasting effects)



### Section 3: Composition/Information on Ingredients

**Classification & type: Mixture**

Material	CAS No.	Proportion (%w)
Zinc Sulphate	7446-20-0	50%
Other ingredients not adding to hazardous properties		to 100

### Section 4: First Aid Measures

<b>Symptoms of exposure:</b>	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	May cause nausea, abdominal pain, vomiting or diarrhoea.
If in Eyes	Causes serious eye damage.
If on Skin	May cause irritation.
If Inhaled	May cause irritation.
<b>First aid actions:</b>	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 water if conscious.
If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.
If on Skin	Wash with soap and water. If skin irritation occurs, get medical advice/attention.
If Inhaled	Remove to fresh air and seat in a position comfortable for breathing.
<b>Workplace facilities:</b>	Eyewash should be available.
<b>Notes for medical personnel:</b>	Treat symptomatically.

### Section 5: Fire Fighting Measures

<b>Type of Hazard:</b>	Not flammable.
<b>HAZCHEM code:</b>	2X
<b>Combustion products:</b>	Oxides of sulphur and zinc.
<b>Extinguishing media &amp; methods:</b>	Use media appropriate to flammable material. Contain effluent.
<b>Recommended protective clothing:</b>	Wear self-contained breathing apparatus and protective clothing.

## Section 6: Accidental Release Measures

<b>Personal protection:</b>	See Section 8.3 for appropriate PPE.
<b>Containment and clean up:</b>	Contain spillage with absorbent material. Prevent run-off entering water ways. If not possible to reuse, dispose of at an appropriate landfill in consultation with your local council.
<b>Special requirements:</b>	See Section 13 for instructions for the disposal of waste/contaminated material.

## Section 7: Handling and Storage

<b>Subsection 1:</b>	<b>Handling</b>
Handling practices	Wear appropriate PPE as detailed in Section 8.3. Keep out of reach of children. Read label before use. Do not breathe mist/spray.
<b>Subsection 2:</b>	<b>Storage</b>
Site requirements	Store in a cool place away from foodstuffs.
Packaging	Preferably store in original container maintaining full label information.

## Section 8: Exposure Controls/Personal Protection

<b>Subsection 1:</b>	<b>Workplace Exposure Guidelines (may also be considered in section 2)</b>
Exposure standards	No exposure standards have been set for this material.
<b>Subsection 2:</b>	<b>Engineering Controls</b>
Exposure control measures	Use in a well ventilated area or with supplied air breathing apparatus.
<b>Subsection 3:</b>	<b>Personal Protective Equipment (PPE)</b>
Detail specifications for equipment	Wear impervious gloves, eye and face protection. Wear overalls or similar full protective clothing.
General hygiene	Wash hands and exposed skin after handling and before eating.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Grey liquid	<b>pH</b>	Not available
<b>Odour</b>	Mild	<b>Boiling point (degC)</b>	Not available
<b>Specific gravity (kg/L)</b>	1.35	<b>Freezing point (degC)</b>	Not available
<b>Solubility</b>	Infinite in water	<b>Flashpoint (degC)</b>	Not flammable

## Section 10: Stability and Reactivity

<b>Stability of substance:</b>	Stable under normal circumstances.
<b>Conditions to avoid:</b>	No specific conditions are known to increase hazard.
<b>Material to avoid:</b>	Strong acids and alkalis.
<b>Hazardous decomposition products:</b>	May release oxides of zinc and sulphur.
<b>Hazardous polymerization:</b>	Will not occur.

## Section 11: Toxicological Information

<b>Data and interpretation:</b>	LD50 (calculated) 2004mg/kg. See Section 2 for general hazard information.
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## Section 12: Ecological Information

<b>Potential environmental interactions:</b>	
Data organization	LD50 (calculated) 2004mg/kg.
Environmental risk phrases	Very toxic to aquatic life with long lasting effects.

## Section 13: Disposal Considerations

<b>Product disposal:</b>	Use as directed on the label. If this is not possible dispose of at an appropriate landfill in consultation with local authorities or your supplier.
<b>Container disposal:</b>	Triple rinse container and deposit at a local Agrecovery collection depot <a href="http://www.agrecovery.co.nz">www.agrecovery.co.nz</a>

## Section 14: Transport Information

<b>UN number:</b>	3082
<b>DG class and subsidiary group:</b>	9
<b>Proper shipping name:</b>	Environmentally Hazardous Substance, Liquid, NOS
<b>Packing group:</b>	III
<b>HAZCHEM code:</b>	2X
<b>Special precautions:</b>	Do not carry more than 5L on a passenger service vehicle.

## Section 15: Regulatory Information

**Regulatory status:** Approved in accordance with the HSNO Act (1996) Fertiliser (Subsidiary Hazard) Group Standard 2006 (HSR002571). See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

**HSNO Controls:** Trigger quantities for this substance:

SDS must be available for	Any quantity
Signage	100L
Emergency plan	100L (1000L for farms)
Bunding	100L

## Section 16: Other Information

**Revision due:** 11 July 2022.

**Additional information:** Directions for use are found on the product label.

### Glossary:

CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LD50	Lethal Dose fatal to 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.