

Citrimin™

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

Product name:	Citrimin™
Recommended use:	Foliar Fertilizer – Chloride free.
Company details:	GroChem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
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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:	29 May 2017

Section 2: Hazards Identification

Hazard classification (Transport):	Class 9: Miscellaneous Dangerous Good
Hazardous substances (HSNO):	6.3B WARNING: Causes mild skin irritation) 6.8B WARNING: Suspected of damaging fertility or the unborn child) 6.9A WARNING: Cause damage to organs through prolonged or repeated exposure 8.3A DANGER: Causes serious eye damage 9.1B Toxic to aquatic life with long lasting effects 9.2D Harmful to the soil environment



Section 3: Composition/Information on Ingredients

Classification & type:		
Material	CAS No.	Proportion (%w)
Boric Acid	10043-35-3	0.4%
Magnanese Sulphate	10034-96-5	14%
Zinc Sulphate	7466-19-7	4%
Other components		to 100%

Section 4: First Aid Measures

Symptoms of exposure:

No adverse health effects if the product is handled in accordance with this MSDS and the product label. Symptoms that may arise if the product is mishandled are:

If Swallowed	The symptoms are abdominal pain, vomiting, and diarrhoea. Symptoms may be delayed.
If in Eyes	Cause serious eye damage
If on Skin	Cause mild skin irritation
If Inhaled	Mist may cause irritation

First aid actions:

If exposed, concerned or if symptoms persist: Get medical attention/advice. If medical advice is needed, have product container or label at hand.

If Swallowed	Call a POISON CENTRE or Doctor/Physician if you feel unwell. 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 with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing.

Workplace facilities:

Eyewash and safety shower must be available.

Notes for medical personnel:

Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	Not a fire hazard.
HAZCHEM code:	2x
Combustion products:	Unknown.
Extinguishing media & methods:	Use media appropriate to combustible material involved. Keep containers cool. Contain Runoff.
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:	Collect spillage and dispose of at an approved landfill.
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. Wash exposed skin thoroughly after handling. Do not eat, drink or smoke while using this product. Avoid breathing spray. Contaminated work clothing should not be allowed out of workplace.
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Subsection 2:

Storage

Store locked up in a cool place away from foodstuffs.
Store in original container maintaining full label information

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards	No exposure standards have been set for this substance.
Subsection 2:	Engineering Controls
Exposure control measures	Use in a well-ventilated area. Wear appropriate PPE and avoid contact
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear protective gloves, clothing and eye protection.
General Hygiene	Wash hands and exposed skin after handling. Do not eat, drink or smoke while using this product.

Section 9: Physical and Chemical Properties

Appearance	Off white powder	pH	~4 in solution
Odour	Distinctive	Boiling point (degC)	Not available
Specific gravity (kg/L)	Not available	Freezing point (degC)	Not available
Solubility	Soluble in water	Flammability information	Not flammable

Section 10: Stability and Reactivity

Stability of substance:	Stable under normal conditions
Conditions to avoid:	None noted
Material to avoid:	None noted
Hazardous decomposition products:	Not known.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and interpretation:	LD50 (calculated) >5000mg/kg See section 2 for general hazard information
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Section 12: Ecological Information

Environmental risk phase:	Class 9.1B Toxic to aquatic life with long lasting effects Class 9.2D Harmful to the soil environment Designed as a fertiliser to aid plant growth. Concentrated or excessive release is likely to have a detrimental effect on the environment.
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Section 13: Disposal Considerations

Product disposal:	Use as directed on the label or dispose of at an approved facility.
Container disposal:	Render packaging incapable of holding product and dispose of at an approved landfill

Section 14: Transport Information

UN Number	3077
DG Class and Subsidiary Group	9
Proper Shipping Name	Environmentally Hazardous Substance, Solid, NOS
Packing group	III
HAZCHEM Code	2X
Special precautions	Do not carry more than 10kgs 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.

HSNO Trigger Quantities

SDS	Any quantity
Signage	1000kg
Emergency plan	1000kg

Section 16: Other Information

Revision due: 29 May 2022.

This revision: New format and review

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 to kill 50% of test animals/organisms
PPE	Personal Protective Equipment
ERMA:	Environmental Risk Management Authority

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.