

Calcium 175™

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

Product name:	Calcium 175™
Recommended use:	Calcium Chloride solution for agricultural use.
Company details:	GroChem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone:	+64 4 237 0905
Email:	grochem@grochem.co.nz
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):	Not classed as dangerous goods for transport.
Hazardous substances (HSNO):	6.1D (WARNING: Harmful if swallowed) 6.3A (WARNING: Causes skin irritation) 6.4A (WARNING: Causes serious eye irritation) 9.3C (Harmful to terrestrial vertebrates)



Section 3: Composition/Information on Ingredients

Classification & type:	CAS No.	Proportion (%w)
Material		
Calcium Chloride	10035-04-8	47
Other components		to 100%

Section 4: First Aid Measures

Symptoms of exposure:	
If Swallowed	Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain.
If in Eyes	Cause serious eye irritation
If on Skin	Cause skin irritation
If Inhaled	Inhalation may result in respiratory 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	Give water to drink. Call a POISON CENTRE or Doctor/Physician if you feel unwell. Do NOT induce vomiting but if vomiting occurs give additional water to drink.
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. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing.
Workplace facilities:	Eyewash and general hygiene facilities are recommended.
Notes for medical personnel:	Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	Not a fire hazard.
HAZCHEM code:	N/A
Combustion products:	Not known.
Extinguishing media & methods:	Use methods appropriate to combustible material involved. Waste water should be contained or diluted with large excess.
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:	Contain and collect spillage. Dispose of contaminated material at an approved landfill or use as prescribed on the label.
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. Avoid breathing spray. Do not eat, drink or smoke while using this product. Keep out of reach of children. Read label before use.
Subsection 2:	Storage
	Store in a cool place away from foodstuffs.

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 only outdoors or in a well-ventilated area. Avoid inhaling spray. Use with local exhaust ventilation.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear eye/face protection, gloves and protective clothing.
General Hygiene	Do not eat, drink or smoke while using this product. Wash hands thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance	Pale brown liquid	pH	~8-10
Odour	Distinctive	Boiling point (degC)	Not available
Specific gravity (kg/L)	1.35	Freezing point (degC)	Not available
Solubility	Soluble in water	Flammability information	Not flammable

Section 10: Stability and Reactivity

Stability of substance:	Generally stable.
Conditions to avoid:	No specific conditions to be noted.
Material to avoid:	No specific materials noted. Slightly corrosive to some metals.
Hazardous decomposition products:	Not known.
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and interpretation:	Calculated Oral LD50 1908mg/kg. See Section 2 for general hazard information.
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Section 12: Ecological Information

Potential environmental interactions:	Harmful to terrestrial vertebrates.
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Section 13: Disposal Considerations

Product disposal:	Dispose of only by using in accordance with the label instructions or at an approved landfill.
Container disposal:	Triple rinse container into spray tank and deliver to an Agrecovery collection centre or recycle appropriately.

Section 14: Transport Information

UN Number	N/A
DG Class and Subsidiary Group	N/A
Proper Shipping Name	N/A
Packing group	N/A
HAZCHEM Code	N/A
Special precautions	Do not carry more than 5L 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. See epa.govt.nz for approval conditions
HSNO controls:	Locations holding more than these quantities must adhere to the relevant requirements:
SDS must be available for	Any quantity
Signage	10,000L
Emergency plan	1000L
Bunding	1000L

Section 16: Other Information

Revision due: 29 May 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 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.