

Gro-Calcium

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

Product name:	Gro-Calcium
Recommended use:	Calcium Chloride solution for agricultural use suitable for Organic orchards
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:	13 August 2017

Section 2: Hazards Identification

Hazard classification (Transport):	Not a Dangerous Good for transport
Hazardous Substances (HSNO)	6.1E (WARNING: May be harmful if swallowed.)



Section 3: Composition/Information on Ingredients

Classification & type: Pure substance

Material	CAS No.	Proportion (%w)
Calcium Chloride	10043-52-4	33%
Other Non-Hazardous components		to 100%

Section 4: First Aid Measures

Symptoms of exposure:	Adverse effects are not expected from normal use of this product. Symptoms that may arise if the product is mishandled are:
If Swallowed:	Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain
If in Eyes:	May cause minor eye irritation.
If on Skin:	Contact with skin may result in minor irritation
If Inhaled:	Inhalation may result in minor 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. Call a POISON CENTRE or Doctor if you feel unwell.
If Swallowed	Give water to drink. Consult a health professional if concerned.
If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
If on Skin	Wash with soap and water.
If Inhaled	Move patient to fresh air and sit in a position comfortable for breathing.
Workplace facilities:	Eyewash and general hygiene facilities should be available.
Notes for medical personnel:	Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	Not flammable
HAZCHEM Code	Not applicable
Combustion products:	Not known
Extinguishing media & methods	Keep containers cool. Use foam or fog, do not use water jet. 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 large spills. Small spills should be washed away with excess water.
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.
Subsection 2:	Storage
Site requirements	Store in a cool, well ventilated area 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
	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	Off white liquid	pH	6-9
Odour	Mild	Boiling point (degC)	Not available
Specific gravity (kg/L)	1.33	Freezing point (degC)	Not available
Solubility	Soluble in water	Flashpoint (degC)	Not flammable

Section 10: Stability and Reactivity

Stability of substance:	Stable under normal conditions
Conditions to avoid:	None known
Material to avoid:	None known. Slightly corrosive to some metals.
Hazardous decomposition Products:	Not known
Hazardous polymerization:	Will not occur

Section 11: Toxicological Information

Data and interpretation:	Oral LD50 1000mg/kg (rat) See Section 2 for general hazard information
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Section 12: Ecological Information

Potential environmental interactions:	
Data organisation:	Considered generally non-harmful to the environment.

Section 13: Disposal Considerations

Product disposal:	Dispose of by using in accordance with label instructions. Alternatively, process at an approved facility.
Container disposal:	Triple rinse container into spray tank. Recycle if possible (eg AgRecovery), otherwise puncture, crush and bury at an approved landfill

Section 14: Transport Information

UN number:	Not assigned
DG class and subsidiary group:	Not applicable
Proper shipping name:	Not applicable
Packing group:	Not applicable
HAZCHEM code:	Not applicable
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 www.epa.govt.nz for approval conditions. Certified by BioGro as an acceptable input for organic production.
Trigger quantities (HSNO):	
SDS must be available for	50L

Section 16: Other Information

Revision due:	12 August 2022.
Additional information:	Directions for use are found on the product label.
Glossary:	
ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
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.