



SprayGro Liquid Fertilizers

A.B.N. 47 007 974 496

FIRMRITE CP

Material Safety Data Sheet

Date last revised 16th May 2007

I. General Information

Chemical Name & Synonyms: Liquid blend of calcium and Phosphoric Acid.	Trade Name & Synonyms: Firmrite CP
Chemical Family: Liquid Fertilizer	Formula: 0-0-14 Calcium 4%
Proper DOT Shipping Name: Not regulated	DOT Hazard Classification: N/A
Manufacturer: Foliar Fertilizers Pty Ltd	Manufacturer's Phone Number: Phone: 08 8447 7266 Fax: 08 8240 1844 – Head Office 0438 897 977 – Product Chemist 0407 606 409 - Brett Kearsley
Manufacturer's Address: Gillman, Adelaide, South Australia	

II. Ingredients

Principal Hazardous Components:	Percent:	Threshold Limit Value (units)
None	None	None

III. Physical Data

Boiling Point (°C) 110	Specific Gravity (H₂O=1) 1.29
Vapour Pressure (mm Hg.) As that of water.	Percent Volatile By Volume (%) N/A
Solubility in Water: Completely soluble	Evaporation Rate (_____ =1) N/A
Appearance & Odour: yellow liquid with neutral odour.	pH 1.2-1.5

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) Non Flammable	Auto Ignition Temperature: N/A
Flammable Limits: None	LEL: N/A
Extinguishing Media: This solution is non-flammable. If involved in a fire, use water. All standard agents are acceptable (water, carbondioxide, foam).	UEL: N/A
Special Fire Fighting Procedures: Wear full protective gear if involved in fire.	
Unusual Fire & Explosion Hazards: May ooze a foul smell. May evolve small quantity of ammonia.	

N/A – Not Applicable



SprayGro Liquid Fertilizers

A.B.N. 47 007 974 496

V. Health Hazard Data

OSHA Permissible Exposure Limit:

Not determined

Carcinogen-NTP Program:

None

Symptoms of Exposure:

Irritation to skin, redness and pain.

Medical Conditions Aggravated by Exposure:

Nausea, vomiting, headache and gastrointestinal irritation

Primary Route(s) of Entry:

Skin and spray fumes.

Emergency First Aid:

Eyes: Flush immediately for 15 minutes. Skin: Flush immediately and thoroughly with water. Ingestion: If conscious, immediately give large quantity of water but do not induce vomiting. Consult a physician promptly. Treat symptomatically.

ACGIH Threshold Limit Value:

N/A

Carcinogen-IARC Program:

N/A

V I. Reactivity Data

Stability

	Unstable
X	Stable

Conditions To Avoid:

Low Temperature

Material To Avoid:

Strong alkalis. Zinc alloy, cast iron nozzles and containers

Hazardous Decomposition Products:

N/A

V I I. Environmental Protection Procedures

Spill Response:

Wear acid proof overalls, confine spill and soak up with inert material and flush area with water. Do not contaminate drains.

Waste Disposal Method:

Observe standard procedures lay down by your local, federal and state government.

V I I I. Special Protection Information

Eye Protection:

Safety glasses and goggles recommended. Flush eyes with fresh cold water.

Respiratory Protection (Specific Type)

NIOSH for ammonia, wear mask while spraying.

Other Protection:

Do not inhale spray fumes; keep out of reach of children and pets. Wear over-alls.

Skin Protection:

Rubber/PVC coated gloves

Ventilation Recommended:

Natural Ventilation.

L X. Special Precautions

Hygienic Practices in Handling & Storage:

Wash hands after handling the product, store in a cool dry place away from direct sunlight and food items.

Other Precautions:

Acidic mix must be handled with care. Use personal protective gear as specified in section VIII. Avoid spillage as it may corrode surface. Do not store in metallic drums under direct sunlight. If involved in fire, use water. Keep well closed. Always perform a bucket test while mixing with other chemicals especially sulphur compounds. Shake well before use. Keep out of reach of children and pets.

X. Environmental Information

Undergoes ionic dissociation in water. Disposer must comply with disposal and discharge laws. May be toxic to aquatic life.

N/A – Not Applicable

DISCLAIMER STATEMENT: All information in this data sheet or by our representative is compiled from the best knowledge available to us at the time of preparation. However, since data, safety standards and government regulations are subject to change and since the conditions of handling and use or misuse are beyond our control, we make no warranty, either expressed or implied, with respect to the completeness or accuracy of the information contained herein. Foliar Fertilizers Pty Ltd accepts no responsibility whatsoever for the accuracy of any data contained herein or for any result which may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our representatives.