



SprayGro Liquid Fertilizers

A.B.N. 47 007 974 496

FIRMRITE CMB

Material Safety Data Sheet Date last revised <u>2nd November 2004</u>		
I. General Information		
Chemical Name & Synonyms: Liquid blend of calcium magnesium, boric acid and chelated micronutrients. Chemical Family: Liquid Fertilizer Proper DOT Shipping Name: Not Regulated Manufacturer: Foliar Fertilizers Pty Ltd Manufacturer's Address: Gillman, Adelaide, South Australia	Trade Name & Synonyms: Firmrite CMB Formula: 15-0-0, Calcium 22%, Boron 0.1%, Magnesium 3%, DOT Hazard Classification: N/A Manufacturer's Phone Number: Phone: 08 8447 7266 Fax: 08 8240 1844 – Head Office 0438 897 977 – Product Chemist 0407 606 409 – Brett Kearsley	
II. Ingredients		
Principal Hazardous Components: N/A	Percent: N/A	Threshold Limit Value (units) None
III. Physical Data		
Boiling Point (°C) 110 Vapour Pressure (mm Hg.) N/A Solubility in Water: Complete Appearance & Odour: Viscous green liquid with neutral odour	Specific Gravity (H²O=1) 1.620 ± 0.005 Percent Volatile By Volume (%) N/A Evaporation Rate (_____ =1) N/A PH 4.4 ± 0.05	
IV. Fire & Explosion Hazard Data		
Flash Point (Test Method) None Flammable Limits: None Extinguishing Media: This solution is non-flammable. If involved in a fire, use water sprays. All standard agents are acceptable (water, carbondioxide, foam). Special Fire Fighting Procedures: Wear full protective gear, respirator and overalls. Unusual Fire & Explosion Hazards: Due to burning of sugars it may ooze a foul smell. May evolve small quantity of ammonia and oxides of nitrogen.	Auto Ignition Temperature: N/A LEL: N/A UEL: N/A	

N/A – Not Applicable



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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, respiratory problems 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:

High temperature and direct sunlight.

Material To Avoid:

Sulphate fertilizers, sulphur flowers and strong corrosives acids and alkalies.

Hazardous Decomposition Products:

N/A

V I I. Environmental Protection Procedures

Spill Response:

Sticky, soak up with inert material. Flush area with water. Do not contaminate drains.

Waste Disposal Method:

Observe standard procedures laid down by your local, state and federal governments.

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 good quality respirator.

Other Protection:

Do not inhale spray fumes. Avoid contamination of clothes.

Skin Protection:

Rubber coated gloves and clothes.

Ventilation Recommended:

Natural ventilation.

I X. Special Precautions

Hygienic Practices in Handling & Storage:

Always wash hands after handling the product. Store in cool and dry place away from direct sunlight and food items.

Other Precautions:

Use personal protective gear as specified in section VIII. Avoid spillage as it may attract ants and create a sticky surface. Also do not store in metallic drums under sunlight. If involved in fire, use water. Keep well closed. Always perform a bucket test while mixing this product with other chemicals. Always do this test in diluted form. 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. Do not contaminate water bodies, this product may be toxic to aquatic life.

N/A – Not Applicable

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