



# SprayGro Liquid Fertilizers

A.B.N. 47 007 974 496

## FIRMRITE SPRAY CAL MAG

### Material Safety Data Sheet

Date last revised 3<sup>rd</sup> August 2006

#### I. General Information

|   |   |
|---|---|
| <b>Chemical Name &amp; Synonyms:</b><br>Liquid blend of calcium and magnesium | <b>Trade Name &amp; Synonyms:</b><br>Spray Cal Mag  |
| <b>Chemical Family:</b><br>Liquid Macronutrients Fertilizer.                  | <b>Formula:</b><br>12 - 0 - 0, 14Ca, 2.5Mg  |
| <b>Proper DOT Shipping Name:</b><br>N/A                                       | <b>DOT Hazard Classification:</b><br>N/A.   |
| <b>Manufacturer:</b><br>Foliar Fertilizers Pty Ltd                            | <b>Manufacturer's Phone Number:</b><br>Phone: 08 8447 7266 Fax: 08 8240 1844 – Head Office<br>0438 897 977 – Product Chemist<br>0407 606 409 – Brett Kearsley |
| <b>Manufacturer's Address:</b><br>Gillman, Adelaide, South Australia          |   |

#### II. Ingredients

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

#### III. Physical Data

|   |  |
|---|--|
| <b>Boiling Point (°C)</b><br>As that of water                                       | <b>Specific Gravity (H<sup>2</sup>O=1)</b><br>1.43 ± 0.010 |
| <b>Vapour Pressure (mm Hg.)</b><br>As that of water                                 | <b>Percent Volatile By Volume (%)</b><br>None              |
| <b>Solubility in Water:</b><br>Completely soluble                                   | <b>Evaporation Rate (_____ =1)</b>                         |
| <b>Appearance &amp; Odour:</b><br>Blue flowing liquid with slight ammoniacal odour. | <b>pH</b> 4.5  |

#### IV. Fire & Explosion Hazard Data

|   |  |
|---|--|
| <b>Flash Point (Test Method)</b><br>N/A   | <b>Auto Ignition Temperature:</b><br>N/A |
| <b>Flammable Limits:</b><br>N/A   | <b>LEL:</b> N/A <b>UEL:</b> N/A          |
| <b>Extinguishing Media:</b><br>Use water spray if caught on fire  |  |
| <b>Special Fire Fighting Procedures:</b><br>Isolate the area, wear full protective gear including gas mask. |  |
| <b>Unusual Fire &amp; Explosion Hazards:</b><br>May evolve oxides of nitrogen and ammonia.                  |  |

# N/A – Not Applicable



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## V. Health Hazard Data

**OSHA Permissible Exposure Limit:** Not determined

**Carcinogen-NTP Program:** N/A

**Symptoms of Exposure:** Headache, nausea, vomiting, skin sensitization and redness

**Medical Conditions Aggravated by Exposure:** Respiratory tract and gastro-intestinal irritation, vomiting, headache, diarrhoea and abdominal cramps

**Primary Route(s) of Entry:** Damaged skin and inhalation of 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

|                  |   |          |
|------------------|---|----------|
| <b>Stability</b> |   | Unstable |
|                  | X | Stable   |

**Conditions To Avoid:** Extremes of temperatures  
**Material To Avoid:** Alkaline substances, phosphate salts, sulphur containing products and salts of thiosulfates

**Hazardous Decomposition Products:**  
None

## V I I. Environmental Protection Procedures

**Spill Response:** Soak up with inert material, confine the spill with sand. Wash the area with water but do not let it drain into the sewerage system.

**Waste Disposal Method:** Comply with your State, Federal and Local Governments.

## V I I I. Special Protection Information

**Eye Protection:** Wear full protective goggles while spraying handling. Wash eyes with cold fresh water, if contaminated.

**Respiratory Protection (Specific Type)** Wear gas mask as recommended for ammonia

**Other Protection:** Wear overalls and work boots.

**Skin Protection:** Wear rubber/PVC gloves.

**Ventilation Recommended:** Natural ventilation.

## I X. Special Precautions

**Hygienic Practices in Handling & Storage:** Do not store near food, feed and fodder items. Store in a cool and dry place in the original container. Wash hands after use. Keep out of reach of children and pets. Use stainless steel equipment.

**Other Precautions:** Do a compatibility test, if mixing with other agrichemicals, water down before adding to other chemicals. For efficacy trial with other products, spray and/or fertigate a small area first to see any adverse effects.

## X. Environmental Information

Do not contaminate water bodies as this product may prove harmful to the aquatic life.

# N/A – Not Applicable

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