



Spraygro Liquid Fertilizers

ABN 47 007 974 496

Material Safety Data Sheet

January 2010

PRODUCT NAME **FIRMRITE Hi B**

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name Foliar Fertilizers Pty Ltd
Address 52 Bedford Street, Gillman, South Australia, 5013
Telephone 08 8447 7266
Fax 08 8240 1844
Emergency Contacts 0438 897 977 – Product Chemist
0407 606 409 – National Sales Manager
Website www.spraygro.com.au
Poison Information Centre 13 11 26
Synonym(s) Aqueous solution of calcium with boron complexes
Use(s) Fertilizer

2 HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO WORKSAFE AUSTRALIA

NOT CLASSIFIED AS A SCHEDULED POISON

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No.	None allocated	Hazchem Code	None allocated	Packaging Group	None allocated
DG Class	None allocated	Subsidiary Risk(s)	None allocated		

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Concentrate	CAS No
calcium as chloride	10 - 30%	
boron as amine and sugar complexes	1 - 10%	

4 FIRST AID MEASURES

Eye Hold eyelids apart and flush continuously with water. Continue for at least 15 minutes or until advised to stop by the Poisons Information Centre or a doctor.

Inhalation Inhalation may cause nausea, headache, pain and gastrointestinal irritation.

Skin Flush immediately and thoroughly with water. If irritation persists, seek medical attention.

Ingestion If conscious, immediately give large quantity of water but do not induce vomiting. Consult a doctor promptly. For advice contact the Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

Medical Advice Treat symptomatically.

5 FIRE FIGHTING MEASURES

Extinguishing Water spray, foam or carbon dioxide.

Fire & Explosion Toxic vapours of hydrogen chloride may evolve when heated to decomposition.

Special Fire Fighting Procedures Wear protective clothing, respirator and goggles while fighting fire. Isolate from combustible materials. Isolate area of fire.

Flammability Not flammable.

Hazchem Code None allocated.

6 ACCIDENTAL RELEASE MEASURES

Spill Response Wear protective gear as outlined in Section 8 while cleaning spillage. Confine spillage, do not let it run into drains. Soak up with inert material.

Waste Disposal Comply with procedures laid down by local, state and federal governments.



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7 HANDLING AND STORAGE

Handling	Do not mix this product with any other product except under specific advice from the manufacturer. Carefully read the product label before using. Always wash hands, eyes and exposed skin after handling this product. Do not eat, drink or smoke when handling this product.
Storage	Do not store in direct sunlight – containers are likely to become brittle. Store in a cool, dry place. Do not store near strong oxidising substances, acids and alkalis. Keep out of reach of children and pets. Seek medical advice upon exposure.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation	When pouring or spraying this product, avoid inhalation of mists and aerosols. Wear gloves and goggles when pouring this product. When exposure to spray mists containing this product can not be avoided, wear a good quality respirator suitable for this application.
PPE	When spraying this product, wear appropriate equipment protective for eyes, lungs and skin. Wash contaminated equipment including clothing before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	amber liquid	Solubility in water	completely soluble
Odour	minor	Specific gravity	1.24 approx
pH	5 approx	% volatiles	73% approx
Vapour pressure	same as water	Flammability	not flammable
Vapour density	same as water	Flash Point	not applicable
Melting point	no data	Upper explosion limit	not applicable
Boiling point	105C	Lower explosion limit	not applicable
Evaporation rate	no data	Autoignition temperature	not applicable
Bulk density	not applicable	Decomposition temperature	no data

10 STABILITY AND REACTIVITY

Reactivity	This product may form dangerous gases if mixed with strong acids or alkalis. This product will also react with a wide variety of other acids, alkalies and salts to form non-dangerous precipitates.
Decomposition Products	Various depending on heat and/or exposure to other mixtures.

11 TOXICOLOGICAL INFORMATION

Health Hazard Summary	This product is an irritant with low to moderate toxicity.
Eye	Irritant. Exposure may result in pain and redness.
Inhalation	Irritant. Exposure may result in nausea, headache and pain.
Skin	Irritant. Prolonged and repeated contact may result in skin rash and dermatitis.
Ingestion	Moderate toxicity. Ingestion may result in nausea, vomiting and diarrhoea.
Toxicity Data	No specific data.

12 ECOLOGICAL INFORMATION

Environment	Do not let this product enter drains, water bodies and sewerage systems. This product may be toxic to aquatic life but may stimulate algal growth. Undergoes ionic dissociation.
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13 DISPOSAL CONSIDERATIONS

Waste Disposal	Reuse or recycle where possible. Thoroughly rinse containers before disposal.
Special precautions for landfill or incineration	Dispose of in accordance with relevant local legislation.

14 TRANSPORT INFORMATION

Shipping Name Non-dangerous goods

UN No.	None allocated	Hazchem Code	None allocated	Packaging Group	None allocated
DG Class	None allocated	Subsidiary Risk(s)	None allocated		



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15 REGULATORY INFORMATION

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16 OTHER INFORMATION

This Material Safety Data Sheet was revised to conform with the National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011 (2003)].

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