



SprayGro Liquid Fertilizers

A.B.N. 47 007 974 496

HORTI MIX

Material Safety Data Sheet

Date last revised October 2009

I. General Information

Chemical Name & Synonyms: Mixture of sulfates of manganese and zinc. Chemical Family: Plant fertilizer Proper DOT Shipping Name: Non-dangerous goods Manufacturer: Foliar Liquid Fertilizers Pty Ltd Gillman, South Australia 5013	Trade Name & Synonyms: Horti Mix DOT Hazard Classification: Not classified Manufacturer's Phone Number: Phone: 08 8447 7266 Fax: 08 8240 1844 – Head Office 0438 897 977 – Product Chemist 0407 606 409 – Sales manager
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II. Ingredients

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

L II. Physical Data

Melting Point (°C) Begins to evolve water vapour above 100C Vapour Pressure (mm Hg.) N/A Solubility in Water: Complete Appearance & Odour: Pinkish granular powder with little odour	Specific Gravity (H₂O=1) N/A Percent Volatile By Volume (%) N/A Evaporation Rate (_____ =1) N/A pH (1% solution) 5-5.2
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IV. Fire & Explosion Hazard Data

Flash Point (Test Method) Non-flammable Flammable Limits: N/A Extinguishing Media: Use water jets, foam or carbon dioxide. Special Fire Fighting Procedures: Wear protective gear to avoid inhalation of sulfur oxides. Unusual Fire & Explosion Hazards: May evolve oxides of sulfur	Auto Ignition Temperature: N/A LEL: N/A UEL: N/A
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N/A – Not Applicable



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V. Health Hazard Data

OSHA Permissible Exposure Limit:

20-25mg/kg body weight.

Carcinogen-NTP Program:

N/A

Symptoms of Exposure:

Skin irritation, fatigue, diarrhoea

Medical Conditions Aggravated by Exposure:

Inhalation may cause intestinal bleeding, coughing and shortness of breaths. Damage to lungs, kidneys and blood.

Primary Route(s) of Entry:

Skin and inhalation of the 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

Material To Avoid:

Strong acids and alkalis. Peroxides.

Hazardous Decomposition Products:

V I I. Environmental Protection Procedures

Spill Response:

Soak up with good absorbent. Avoid water contamination.

Waste Disposal Method:

Comply with the local, state and federal laws.

V I I I. Special Protection Information

Eye Protection:

Wear goggles

Respiratory Protection (Specific Type)

Wear dust respiratory mask while handling.

Other Protection:

Wear overalls (full sleeves) while handling.

Skin Protection:

Wear gloves to avoid skin absorption.

Ventilation Recommended:

Handle in well-ventilated place.

I X. Special Precautions

Hygienic Practices in Handling & Storage:

Wash hands after use. Store in a dry and cool place, away from foods, food containers, oxidising agents, acids and alkalis.

Other Precautions:

Do not mix this product with any other material except clean water unless specifically advised by the manufacturer. Never handle the product without gloves and/or overalls. Keep out of reach of children and pets.

X. Environmental Information

Avoid contamination of water bodies and sewerage. Dispose of in proper bins to avoid environmental contamination. LD₅₀ (96hours) for fish = 1-10mg zinc per litre. This product is expected to be toxic to aquatic life.

N/A – Not Applicable

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