



SprayGro Liquid Fertilizers

A.B.N. 47 007 974 496

MICROPLEX MZC

| Material Safety Data Sheet | | |
|---|---|--------------------------------------|
| Date last revised <u>12/10/06</u> | | |
| I. General Information | | |
| Chemical Name & Synonyms: Liquid blend of Manganese, Zinc and Copper complex with Fulvic acid | Trade Name & Synonyms: MicroPlex MZC | |
| Chemical Family: Liquid Micronutrient Fertilizer | Formula: Mn 8%, 4%Zn, 2% Cu, S 7%, Fulvate 0.2% | |
| Proper DOT Shipping Name: N/A | 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) 100 | Specific Gravity (H₂O=1) 1.31±0.010 | |
| Vapour Pressure (mm Hg.) As of water | Percent Volatile By Volume (%) none | |
| Solubility in Water: Complete | Evaporation Rate (_____ =1) | |
| Appearance & Odour: Brown Black free flowing liquid with light sulfur odour | pH 2.5-4.1 | |
| IV. Fire & Explosion Hazard Data | | |
| Flash Point (Test Method) N/A | Auto Ignition Temperature: | |
| Flammable Limits: N/A | LEL: N/A | UEL: N/A |
| Extinguishing Media: Use water spray if caught in fire | | |
| Special Fire Fighting Procedures: Isolate the area, wear full protective gear including gas mask. | | |
| Unusual Fire & Explosion Hazards: May evolve oxides of carbon and sulfur | | |



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N/A – Not Applicable

| V. Health Hazard Data | | | | | | | | | |
|--|---|----------|----------|--|--|---|--------|--|---|
| <p>OSHA Permissible Exposure Limit: Not determined</p> <p>Carcinogen-NTP Program: N/A</p> <p>Symptoms of Exposure: Headache, nausea, vomiting, skin sensitization and redness.</p> <p>Medical Conditions Aggravated by Exposure: Respiratory tract and gastro-intestinal irritation, vomiting, headache ,diarrhea, and abdominal cramps .</p> <p>Primary Route(s) of Entry: Damaged skin, and inhalation of spray fumes.</p> <p>Emergency First Aid: <u>Eyes:</u> Flush immediately for 15 minutes. <u>Skin:</u> Flush immediately and thoroughly with water. <u>Ingestion:</u> If conscious, immediately give large quantity of water but do not induce vomiting. Consult a physician promptly. Treat symptomatically.</p> | <p>ACGIH Threshold Limit Value: N/A</p> <p>Carcinogen-IARC Program: N/A</p> | | | | | | | | |
| V I. Reactivity Data | | | | | | | | | |
| <table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">Stability</td> <td style="width: 30%;"></td> <td style="width: 20%;">Unstable</td> <td style="width: 30%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> <td style="text-align: center;">Stable</td> <td></td> </tr> </table> <p>Hazardous Decomposition Products: None. Prolonged storage requires light stirring before use.</p> | Stability | | Unstable | | | X | Stable | | <p>Conditions To Avoid: Extremes of temperatures</p> <p>Material To Avoid: Alkali chemicals and carbonates, salts of calcium and phosphorous, iron/copper vessels.</p> |
| Stability | | Unstable | | | | | | | |
| | X | Stable | | | | | | | |
| V I I. Environmental Protection Procedures | | | | | | | | | |
| <p>Spill Response: Soak up with an inert material, confine the spill with sand. Wash the area with water but do not let it drain into the sewerage system.</p> <p>Waste Disposal Method: Comply with your local, state or federal laws.</p> | | | | | | | | | |
| V I I I. Special Protection Information | | | | | | | | | |
| <p>Eye Protection: Wear goggles while spraying/handling. Wash eyes with cold fresh water.</p> <p>Respiratory Protection (Specific Type) Wear gas mask as recommended for ammonia</p> <p>Other Protection: Wear overalls and work boots</p> <p>Skin Protection: Wear rubber/PVC gloves</p> <p>Ventilation Recommended: Natural</p> | | | | | | | | | |
| I X. Special Precautions | | | | | | | | | |
| <p>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.</p> <p>Other Precautions: Do a compatibility test, if mixing with other chemicals. Water it down before adding to other chemicals.</p> | | | | | | | | | |
| X. Environmental Information | | | | | | | | | |
| <p>Do not contaminate water bodies as this product may prove harmful to the aquatic life.</p> | | | | | | | | | |

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



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