

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: Microbial

Supplier: Hydro Masta Pty Ltd

Website: <http://www.hydromasta.com.au>

2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Plant conditioner and disease preventative.

Appearance: A pale lemon, watery liquid.

3. HAZARDS IDENTIFICATION

The product as a whole is a Trade Secret, and is 100% non-hazardous. For commercial purposes use the following information:

Polyoxyethylene Soybean Oil Fatty Acid Ester	61791-23-9	2%
Polyoxyethylene oleyl alcohol	9004-98-2	2%
Quaternary Ammonium Compound	68391-01-5	0.2% (Preservative)
Water	7732-18-5	95.8%
Total		100%

Based on available information, this material is not classified as hazardous according to health criteria of Worksafe Australia.

Not classified as Dangerous Goods by the criteria of the ADG Code for transport by Road and Rail.

Poisons Schedule (Aust)/Toxic Substance (NZ): None allocated

4. FIRST AID MEASURES

Ingestion: Rinse mouth with water. Give water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious patient. Seek medical assistance.

Eye contact: Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin contact: Wash contaminated skin with plenty of water or polyethylene glycol. Immediately remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

Inhalation: Immediately move victim to fresh air. Keep at rest until fully recovered. If breathing laboured give oxygen through facemask. Seek medical advice if shortness of breath persists.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Poses no unusual fire or explosive hazards.

Fire fighting further advice: Water may be used to cool containers involved in fire.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam or dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Evacuate the spill area, as floor may be slippery. Use absorbent inert solid such as china clay, transfer to heavy-duty containers.

Rinse floor thoroughly to remove all traces of product.

Dispose of through specialist chemical waste disposal contractor. Comply with local, state and federal regulations. For small containers, rinse well with water and dispose of in household waste.

7. HANDLING AND STORAGE

Storage: Store in opaque containers away from extreme heat and sunlight. Material may separate upon standings, shake or mix well before using.

KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Handling: (If sensitive, or if using regularly)

Ventilation Requirements: Normal is adequate

Hands: Rubber gloves

Other protective equipment: Not required

Other: Observe strict personal hygiene procedures

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Liquid / Pale Lemon / Mild potpourri odour

Solubility: Soluble in water.

Specific Gravity (25 C): 1.0

Rel Vapour Density (air=1): 0.623

Vapour Pressure: not available

Flash Point (C): Non-flammable
Flammability Limits: Non-flammable
Auto ignition Temp (C): not available
% Volatile by volume: not available
Freezing Point (C): not available
Boiling Point (C): 98.7
Decom. Point (C): not available
Sublimation Point: not available
pH: 8.0 - 9.0
Viscosity: 110 cP
Evaporation Rate: not available
Solubility in water: miscible

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid for stability: None
Material to avoid: Not applicable
Hazardous decomposition Products: Thermal decomposition and burning may release nitrogen oxide and carbon dioxide.
Hazardous polymerisation: Will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with the Safety Data Sheet and the product information sheet. Symptoms that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Ingestion: If large amounts are ingested, may cause nausea and vomiting.

Eye contact: May cause slight irritation.

Skin contact: May cause skin irritation. Sensitive persons with prolonged or repeated exposure may develop contact dermatitis.

Inhalation: Not considered an inhalation hazard.

Long Term Effects: Repeated or prolonged exposure to large amounts of product may cause allergic contact dermatitis.

Acute toxicity / Chronic toxicity: No data.

12. ECOLOGICAL INFORMATION

No data.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

Avoid contamination with large quantities of concentrate in any waterways. Discharge at low concentrations (less than 15 mg/litre) for successful degradation.

Suitable for disposal at approved land waste sites or for incineration by approved agent.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for the transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Based on available information, this material is not classified as hazardous according to health criteria of Worksafe Australia.

Poisons Schedule (Aust)/ Toxic Substance (NZ): None allocated

16. OTHER INFORMATION

No other data relevant.

The information contained herein is accurate to the best of our knowledge. However, no liability whatsoever is assumed for the accuracy or completeness of the information contained herein. It is the sole responsibility of the user to determine the suitability of the material.

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