

GROWGREEN MICROBE PLUS ZINC

Page 1 of Total 4

Date of Issue: 4 August 2015

1. PRODUCT AND COMPANY INFORMATION

Product Name: GrowGreen Microbe Plus Zinc
Other Names: Not Applicable
Recommended use: Fertiliser
Supplier's details:
 Company: GrowGreen Pty Ltd
 Contact Person: Dr. Pau Vila
 Address: 6089 Cunningham Hwy
 Kalbar Qld 4309, Australia
 Telephone Number: 61 7 54639900
 Facsimile Number: 61 7 54639800
 Web Site: <http://growgreenfertiliser.com>
Emergency phone number: 61 7 54639900

2. HAZARDS IDENTIFICATION

This product is not a dangerous good under the Australian Dangerous Goods Code Edition 7.3 (2014). This product is classified as hazardous according to the classification criteria of NOHSC:1008(2004), Approved Criteria For Classifying Hazardous Substances 3rd edition .

Risk Phrases: R41 Risk of serious eye damage

Safety Phrases: Not Applicable

This product is classified as hazardous according to the classification criteria of the GHS Hazardous Chemical Information List

GHS Hazard Category	Pictogram Codes & Signal Word	Hazard Statement Codes	Hazard Statements
Acute toxicity – category 4	GHS05	H302	Harmful if swallowed
Eye damage category 1	GHS07	H318	Causes serious eye damage
Hazardous to the aquatic env – acute category 1	GHS09 "Danger"	H410	Very toxic to aquatic life with long lasting effects

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Description: GrowGreen Microbe Plus Zinc is a liquid fertiliser with trace elements.

Ingredients	CAS No	Concentration Range
Zinc as sulphate	7446-19-7	Not > 15%
Trace elements	Not applicable	Not >10%
Molasses	Not applicable	Not <5%
Water	Not applicable	To 100%

GROWGREEN MICROBE PLUS ZINC

Page 2 of Total 4

Date of Issue: 4 August 2015

4. FIRST AID MEASURES

If poisoning occurs contact a doctor or Poisons Information Centre (Telephone Australia 13 11 26).

However the following additional information is provided for assistance in emergencies while seeking medical assistance:

Eyes:	May cause eye irritation. If in eyes, flush eyes with running water for at least 15 minutes, keeping eyelids open as a precaution. Obtain medical attention if irritation persists.
Skin:	Wash contaminated skin with soap and water.
Ingestion:	The product is non toxic if swallowed and no treatment is normally required.
Inhalation:	Seek medical advice if inhaled.

5. FIRE FIGHTING MEASURES

This product is non-flammable

Suitable Extinguishing Media:	Not Applicable. Use media suitable for surrounding fire
Specific Hazards:	None known
Special protective equipment and precautions for fire fighters:	Use media and equipment suitable for surrounding fire
Hazchem Code:	None allocated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, Protective equipment and Emergency procedures	Wear suitable personal protective equipment as described in section 8.
Environmental precautions:	Do not allow product to enter streams, rivers or other waterways, since washing fertilisers into waterways may upset nutrient balances.
Methods and materials for containment and cleaning up:	Contain spill with sand, diatomaceous earth, soda ash, or other absorbent material. Load absorbed mixture into suitably labelled containers for disposal. The material collected can be disposed of at an approved local authority landfill site.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Open and handle containers with care. Observe good personal hygiene practices and recommended procedures. Wash hands thoroughly after handling.
Precautions for Safe Storage, including any incompatibilities:	Product quality may be compromised by exposure to above-ambient temperatures and ultraviolet light. To preserve product quality, store in a cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	No exposure standards set
Biological Limit Values:	No biological limit value allocated
Engineering Controls:	None required

GROWGREEN MICROBE PLUS ZINC

Page 3 of Total 4

Date of Issue: 4 August 2015

Personal Protective Equipment

It is recommended that the user avoid eye contact and repeated or prolonged skin contact by wearing overalls, chemical goggles and impervious gloves when mixing or applying this product.

9. PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Varies slightly but generally Brown to dark brown, free-flowing suspension.
Boiling Point:	Not available
Melting Point:	Not available
Vapour Pressure:	Not available
Specific Gravity:	1.25 @ 25°C
Flashpoint:	Not available
Flammability Limits:	Not available
Solubility in Water:	This product is a water based suspension

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to avoid:	None known
Incompatible materials:	None known
Hazardous decomposition products:	None known
Hazardous reactions:	Hazardous polymerisation will not occur

11. TOXICOLOGICAL INFORMATION

Toxicological Data:	No toxicology data available.
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12. ECOLOGIAL INFORMATION

Ecotoxicity:

Hazardous to the aquatic env – chronic category 1	GHS09 “Danger”	H410	Very toxic to aquatic life with long lasting effects
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13. DISPOSAL CONSIDERATIONS

Disposal methods and containers:	Contain spill with sand, diatomaceous earth, soda ash, or other absorbent material. Load absorbent mixture into suitably labelled containers for disposal.
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Special precautions for landfill or incineration:	Obtain instructions from your local government authority for disposal of unwanted product and material collected from spill clean up.
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14. TRANSPORT INFORMATION

This product is not a dangerous good under the Australian Code for the Transport of Dangerous Goods (ADG) Edition 7.3 (2014) and does not require any special transport conditions.

15. REGULATORY INFORMATION

This product is subject to fertiliser regulations in the various States of Australia. These regulations prescribe matters such as labelling requirements, maximum permitted levels of harmful substances and standards with which fertilisers must comply.

GROWGREEN MICROBE PLUS ZINC**Page 4 of Total 4****Date of Issue: 4 August 2015****16. OTHER INFORMATION**

Prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011 (Safe Work Australia)

Date of last revision of the SDS: August 2015

CONTACT POINT

Dr Pau Vila

Phone: B/Hrs 61 7 54639900

A/Hrs 61 7 54639900

References:

1. FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for Agricultural and Veterinary Chemicals, Edition 4/2014
2. Approved Criteria For Classifying Hazardous Substances, NOHSC:1008 (2004)
3. Preparation of Safety Data Sheets for Hazardous Chemicals, Code of Practice, December 2011
4. AICS (Australian Inventory of Chemical Substances), Safe Work Australia
5. APVMA Manual of Requirements and Guidelines for Agricultural Chemicals, Version 4.1, July 2007
6. ADI [Acceptable Daily Intake] List, Commonwealth Department of Health & Aged Care, TGA, December 2008
7. The Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 7.3 Edition
8. Standard for the Uniform Scheduling of Drugs and Poisons, National Medicines and Poisons Schedule Committee
9. Hazardous Substances Information System, , Safe Work Australia

This SDS summarises to our best knowledge at the date of issue, the chemical, health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Grow Green Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Grow Green Pty Ltd direct at the contact details on page 1.