

GROWGREEN MICROBE PLUS HI-NS

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Date of Issue: 4 August 2015

1. PRODUCT AND COMPANY INFORMATION

Product Name: GrowGreen Microbe Plus Hi-NS
Other Names: GrowGreen Microbe Plus Ammonium Sulphate
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 not hazardous according to the classification criteria of NOHSC:1008(2004), Approved Criteria For Classifying Hazardous Substances 3rd edition.

Risk Phrases: Not Applicable

Safety Phrases: Not Applicable

Not considered to be toxic to humans. This product may irritate eyes and skin upon contact. In order to maintain good industrial hygiene practises, exposure should be kept to a minimum.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Description: GrowGreen Microbe Plus Hi-NS is a liquid fertiliser with Trace elements.

Ingredients	CAS No	Concentration Range
Ammonium Sulphate	7783-20-2	Not >35%
Molasses	Not applicable	Not >25%
Trace elements	Not applicable	Not > 10%
Water	Not applicable	To 100%

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.

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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

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

Physical Description/Properties

Appearance: Varies slightly but generally yellow to dark brown, free-flowing suspension.

Boiling Point: Not available

Melting Point: Not available

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Vapour Pressure:	Not available
Specific Gravity:	1.4 @ 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:	The main ingredient is Ammonium Sulphate that has been biologically stabilised. Ammonium Sulphate has an oral LD50 mouse 640mg/kg, oral LD50 rat 2840mg/kg. No evidence of mutagenicity. Not classified as a human carcinogen.
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12. ECOLOGICAL INFORMATION

Ecotoxicity:	Product is a fertiliser for distribution into the environment and is not expected to be ecotoxic.
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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.
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.

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.

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

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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.