



Material Safety Data Sheet

MSDS No.	3100	Issue Date:	December 2010	Page:	1 of 3
Product Name:	GREENMASTER LIQUID HI N 25+0+0			Version:	1.0

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	GREENMASTER LIQUID HI N 25+0+0	
Product code	310000, 310060	
Manufacturer	SCOTTS AUSTRALIA PTY LTD	
Address	Australia: 11 Columbia Way Baulkham Hills NSW 2153	New Zealand: 180c Great South Rd Takanini Auckland 0800 734 607
Emergency telephone	1800 033 111	0800 734 607
Telephone/fax number	Tel: (02) 8853 7300 Fax: (02) 8853 7310	Tel: (09) 299 6558 Fax: (09) 296 0186
Recommended use	Fertiliser	

2. HAZARDS IDENTIFICATION

Hazard classification	NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS.
Risk & safety phrases	None allocated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS	Proportion of ingredients
Magnesium nitrate hexahydrate	13446-18-9	10-25%
Ammonium nitrate	6484-52-2	>25%
Other ingredients determined not to be hazardous		balance

4. FIRST AID MEASURES

General	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.
Inhalation	Not applicable.
Ingestion	Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Consult a doctor if necessary.
Skin	If a person feels unwell or symptoms of skin irritation appear, consult a doctor.
Eye	Flush eye(s) immediately with plenty of water.
First aid facilities	Water, wash facilities.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	The product itself does not burn. Coordinate fire extinguishing measures to fire in the surrounding area.
Hazards from combustion products	Nitrogen oxide. Ammonia.
Special protective precautions and equipment for fire fighters	Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures	Contaminated surfaces will be extremely slippery. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.
Methods and materials for containment and cleanup	Wipe up with absorbent material (e.g. cloth, fleece). Take up mechanically and collect in suitable container for disposal. Do not use flammable material (wood shavings) for liquid absorption.

7. HANDLING AND STORAGE



Material Safety Data Sheet

MSDS No.	3100	Issue Date:	December 2010	Page:	2 of 3
Product Name:	GREENMASTER LIQUID HI N 25+0+0			Version:	1.0

Precautions for safe handling	No special technical protective measures required. When using, do not eat, drink or smoke. General industrial hygiene practice. Avoid contact with skin and eyes.
Conditions for safe Storage	Store in original container. Keep at temperatures above 0°C. Keep away from food, drink and animal feeding stuffs. In crystalline form, enhances combustibility of other substances. Keep from drying out. Protect from contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards	None allocated.
Biological limit values	None allocated.
Engineering controls	Ensure adequate ventilation.
Respiratory protection	Not required.
Skin protection	Not required.
Eye protection	Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear green liquid.
Odour	Not significant.
pH value	6.0 (+/-0.5)
Vapour pressure	Not available
Vapour density (Air=1)	Not available
Boiling point	105°C
Melting point	Not available
Solubility in water	Not available
Bulk density/specific gravity	1.31g/cm ³
Flashpoint	Not available
Auto-ignition temperature	Not available
Flammable limits-lower	Not available
Flammable limits-upper	Not available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not allow solution to dry out. Prevent uncontrolled heating.
Incompatible materials	Strong bases. Galvanized container (corrosion). Soaking of flammable material (fire risk after drying).
Hazardous decomposition products	No decomposition if stored normally
Hazardous reactions	No information available.

11. TOXICOLOGICAL INFORMATION

General	Component information: Ammonium nitrate: LD50/oral/rat: 410mg/kg
Inhalation	May cause sensitization by inhalation.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.



Material Safety Data Sheet

MSDS No.	3100	Issue Date:	December 2010	Page:	3 of 3
Product Name:	GREENMASTER LIQUID HI N 25+0+0			Version:	1.0

Skin May cause skin irritation in susceptible persons.
Eye May cause eye irritation with susceptible persons.
Chronic effects No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Component information:
Ammonium nitrate: EC50/48h/daphnia =100 µg/L
LC50/96h/rainbow trout =10 mg/L
EC50/72h/algae = 74000 µg/L

Persistence and degradability No information available.
Mobility No information available.
Bioaccumulative potential Does not bioaccumulate.
Environmental protection Do not allow the product or empty container to contaminate drains, streams or other waterways.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers Dispose of in accordance with local regulations.
Packaging: Rinse empty containers with water and use the rinse-water to prepare the working solution. Can be offered for recycling, re-conditioning or puncture.

Special precautions for landfill/incineration No information available

14. TRANSPORT INFORMATION

Transport information Not classified as dangerous goods according to the ADG Code for road and rail transport, NZS 5433:2007 for road transport, the IMDG Code for marine transport or the IATA Regulations for air transport.

15. REGULATORY INFORMATION

Regulatory information No information available.
Poisons schedule Not a scheduled poison.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Created: December 2010

Contact point

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11 Columbia Way	Takanini Auckland, New Zealand
Baulkham Hills NSW 2153, Australia	Phone (09) 299 6558
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