Material Safety Data Sheet

MSDS No.	1034	Issue Date : February 2008	ISSUED by SCOTTSAU

Product Name: **MIRACLE-GRO WATER SOLUBLE PLANT FOOD**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	MIRACLE-GRO WATER SOLUBLE PLANT FOOD
Manufacturer	SCOTTS AUSTRALIA PTY LTD
Address	11 Columbia Way Baulkham Hills NSW 2153 Australia
Emergency Tel.	1800 033 111
Telephone/Fax Number	Tel:(02) 8853 7300 Fax:(02) 8853 7310
Recommended Use	Fertiliser

Synonyms

Name	Product no.
Miracle-Gro All Purpose Plant Food	111024, 111019, 111020, 111013
Miracle-Gro Rose Plant Food	111021
Miracle-Gro Tomato Plant Food	111023
Miracle-Gro Azalea, Camellia & Rhododendron Plant Food	111026
Miracle-Gro Garden Feeder	111403

2. HAZARDS IDENTIFICATION

Hazard Classification Not classified as hazardous according to ASCC. Not classified as dangerous goods according to the ADG Code.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion Ingredients
Urea	57-13-6	*
Urea phosphate	4861-19-2	*
Potassium chloride	7447-40-7	*
Ammonium phosphate	7722-76-1	*
Iron EDTA	15708-41-5	*

4. FIRST AID MEASURES

Inhalation Remove patient to fresh air. Get medical attention if irritation occurs and persists.

Ingestion Rinse mouth with water and give a small glass of water to drink. Never give anything by mouth to an unconscious person. If poisoning occurs, contact a doctor or Poisons Information Centre, phone 13 11 26 (Australia) or 0800 764 766 (New Zealand).

Skin Remove contaminated clothing. Wash area thoroughly with soap and water. Get medical attention if irritation occurs and persists.

Eye Flush with water holding eyelids open. Seek medical attention if irritation occurs and persists.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water spray, carbon dioxide, fine earth, dry chemical or sand. Use extinguishing media appropriate for the surrounding fire.

Hazards from Combustion Products Carbon monoxide, carbon dioxide, nitrogen oxides (NO_2, NO_x), potassium and potassium containing compounds, chlorine and chlorine containing compounds (eg HCI gas, phosgene), ammonia, cyanuric acid, cyanic acid and phosphorous and phosphorous containing compounds (eg phosphine).

Special Protective Equipment for fire fighters Fire fighters must wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Shovel, sweep or scoop material into a suitable container and cover. Flush area with water. Do not attempt to clean-up spills without appropriate protective equipment. Prevent large quantities from

	contacting vegetation or waterways. Keep animals away from large spills. Collect all rinse water and apply to appropriate lawn/garden areas.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Wash hands after handling. Avoid generating and inhaling dusts. Keep containers closed when not in use.
Conditions for Safe Storage	Keep away from food and animal feedstuffs. Keep out of reach of children. For quality reasons keep out of direct sunlight, store under dry conditions. Partly used bags should be closed well.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	The exposure standard for dust not otherwise specified is 10 mg/m³ (for inspirable dust) and 3 mg/m³ (for respirable dust). The limit applies to both Australia and New Zealand.
Biological Limit Values	None allocated
Engineering Controls	Ensure adequate ventilation.
Respiratory Protection	Respiratory protection should not be required for normal use/handling. Avoid breathing dust. If airborne dust levels are high, a dust mask is recommended to avoid inhalation. The respirator use limitations specified by the manufacturer must be observed. Respirators must be in compliance with AS/NZS 1715 and AS/NZS 1716.
Hand Protection	Wash hands thoroughly after handling. Wear gloves if in regular contact.
Eye/face protection	Safety glasses with side shields are recommended.
Skin and body Protection	Minimise skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fine granules, blue, red or green colour
Odour	Slight ammonia odour.
Melting Point	133-772°C
Boiling Point	Not available
Solubility in Water	Soluble
pH Value	Not volatile
Vapour Pressure	Not volatile
Vapour Density (Air=1)	Not available
Bulk density	800g/L
Decomposition temperature	Not available
Flashpoint	Not flammable
Flammable Limits	Not flammable

10. STABILITY AND REACTIVITY

Chemical Stability	This product is stable under recommended storage conditions.
Conditions to Avoid	None known
Materials to avoid	None known
Hazardous Decomposition Products	In a fire, thermal decomposition of product may generate oxides of potassium, sulphur and carbon.

11. TOXICOLOGICAL INFORMATION

Inhalation	This product is formulated as a granule and is unlikely to be inhaled but if granule breakdown leads to dust formation then inhalation of product in dust form may cause irritation.
Ingestion	Ingestion may cause nausea and vomiting along with mild irritation to the mouth, throat, oesophagus and stomach.
Skin	May cause skin irritation.

Eye	May cause eye irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Keep large quantities out of waterways to prevent algal blooms.
Persistence / Degradability	Will not bioaccumulate
Environ. Protection	Prevent product and empty packaging from entering drains, sewers, streams, ponds and other waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Use product as intended. Dispose of empty packaging at an approved waste disposal site. Collect rinse water and apply to appropriate lawn/garden areas.

14. TRANSPORT INFORMATION

Transport Information	Not classified as dangerous goods according to the Australian Dangerous Goods Code.

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: February 2008	
Contact Person/Point	Scotts Australia Pty Ltd 11 Columbia Way Baulkham Hills NSW 2153 Phone (02) 8853 7300 Fax (02) 8853 7310 Emergency phone 1800 033 111	New Zealand: 180c Great South Rd Takanini, Auckland Phone (09) 299 6558 Fax (09) 296 0186 Emergency phone 0800 734 607

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