



Material Safety Data Sheet

MSDS No.	LPW8Mb	Issue Date : March 2007	ISSUED by SCOTSAU
Product Name :	OSMOCOTE EXACT 12-14		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	OSMOCOTE EXACT 12-14		
Product Code	8821, 8822		
Company Name	SCOTTS AUSTRALIA PTY LTD		
Address	11 Columbia Way Baulkham Hills NSW 2153 Australia		
Emergency Tel.	1800 033 111		
Telephone/Fax	Tel:(02) 8853 7300		
Number	Fax:(02) 8853 7310		
Recommended Use	Granulated fertiliser		
Other Names	<u>Name</u>	<u>Product Code</u>	
	OSMOCOTE EXACT LO START 12-14	8821	
	OSMOCOTE EXACT STD 12-14	8822	

2. HAZARDS IDENTIFICATION

Hazard Classification	Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. New Zealand: Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Classified as Dangerous Goods for transport, according to the New Zealand Standard NZS 5433:1999 Transport of Dangerous Goods on Land.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition	Contains potassium nitrate and ammonium nitrate.		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion Ingredients</u>
	Ammonium Nitrate	6484-54-2	0->25 %
	Magnesium oxide	1309-48-4	0-1 %
	Other ingredients determined not to be hazardous		Balance to 100 %

4. FIRST AID MEASURES

Inhalation	If prolonged inhalation of dust occurs, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion	Wash out mouth with water. If irritation develops and persists seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
Eye	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
First Aid Facilities	Normal wash room facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use carbon dioxide, dry chemical or foam.
Hazards from Combustion Products	Burning produces obnoxious and toxic fumes. In case of fire, the product will smoulder even without the presence of external oxygen. In these conditions the product will show self sustaining decomposition.



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Special Protective Equipment for fire fighters Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, and then transfer material to a suitable container. Use absorbent paper dampened with water to pick up remaining material. Wash surfaces well, with soap and water. Seal all wastes in vapour tight labelled plastic containers for eventual disposal. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid generating dust. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.

Conditions for Safe Storage Store in a cool dry place, out of moisture. Keep containers closed when not in use. Store in suitable, labelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards Australian National Occupational Health And Safety Commission (NOHSC) Exposure Standards:

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Magnesium oxide (fume)	-	10	-	-

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Magnesium oxide (fume)	-	10	-	-

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 No biological limit allocated.

Engineering Controls Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.

Respiratory Protection Not required. During industrial applications: Where ventilation is inadequate the use of an Air Purifying Respirator with a Organic Vapour filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.

Eye Protection Not normally required. During industrial applications: The use of chemical goggles or safety glasses with side shield protection is recommended. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Where skin contact is likely to be prolonged or repeated impervious PVC or nitrile rubber gloves are recommended.

Body Protection Overalls or similar protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Brown, blue, greenish resin coated granules.

Odour Not available.

Melting Point Not available.

Boiling Point Not applicable

Solubility in Water Coating not soluble, release nutrients through coating.

pH Value Not available.



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Vapour Pressure	Not available.
Vapour Density (Air=1)	Not available.
Density	990-1036 kg/m ³
Auto-Ignition temperature	Not available.
Flammable Limits - Lower	Not available.
Flammable Limits - Upper	Not available.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Strong oxidising agents and combustibles.
Hazardous Decomposition Products	No decomposition if stored correctly. Hazardous decomposition products may include poisonous gasses/vapours.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Inhalation	Inhalation of dust may cause irritation to the mucous membrane and upper airways.
Ingestion	Not a likely source of exposure. May cause irritation to the mouth, oesophagus and stomach.
Skin	Skin contact may cause mechanical irritation resulting in redness and itching.
Eye	Eye contact may cause mechanical irritation. May result in mild abrasion.
Chronic Effects	Prolonged or repeated skin contact may cause defatting leading to dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data is available for this material.
Persistence / Degradability	No data is available for this material.
Mobility	No data is available for this material.
Environ. Protection	Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to federal, EPA and state regulations.
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14. TRANSPORT INFORMATION

Transport Information	<p>This material is classified as a Class 9 (Miscellaneous Dangerous Goods) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Dangerous goods of Class 9 (Miscellaneous Dangerous Goods) are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none">- Class 1, Explosive- Class 5.1, if the Class 9 substance is a fire risk substance- Class 5.2, if the Class 9 substance is a fire risk substance <p>This material is classified as a Class 9 (Miscellaneous Dangerous Goods) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Dangerous goods of Class 9 (Miscellaneous Dangerous Goods) are incompatible in a placard load with</p>
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	any of the following:
	- Class 1, Explosive
	- Class 5.1, if the Class 9 substance is a fire risk substance
	- Class 5.2, if the Class 9 substance is a fire risk substance
U.N. Number	2071
Proper Shipping Name	AMMONIUM NITRATE FERTILIZERS
DG Class	9
Packaging Method	3.8.9
Packing Group	III
EPG Number	9E1
IERG Number	50

15. REGULATORY INFORMATION

Regulatory Information	Not classified as hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC). New Zealand: Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Poisons Schedule	Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Created: March 2007
Contact Person/Point	New Zealand: 180c Great South Rd Takanini, Auckland Phone: (09) 299 6558 Fax: (09) 296 0186 Emergency Tel: 0800 734 607 ...End Of MSDS...