



Material Safety Data Sheet

MSDS No.	LPWEQ	Issue Date : June 2007	ISSUED by SCOTSAU
Product Name:	OSMOCOTE STANDARD		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	OSMOCOTE STANDARD	
Product Code	various	
Manufacturer	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	Fertiliser	
Other Names	<u>Name</u>	<u>Product Code</u>
	OSMOCOTE STANDARD 8-9	7601
	OSMOCOTE STANDARD 3-4	7602
	OSMOCOTE STANDARD 5-6	7646
	OSMOCOTE STANDARD 12-14	7633

2. HAZARDS IDENTIFICATION

Hazard Classification	<p>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: 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. HSNO classification: 6.1E - Substance that is mild acutely toxic. 6.4A - Substance that is irritating to the eye. 6.9B - Substance that is harmful to human target organs or systems. 9.1D - Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action.</p> <p>Hazard statement code: H313 May be harmful in contact with skin. H319 Causes serious eye irritation. H333 May be harmful if inhaled. H371 May cause damage to organs. H402 Harmful to aquatic life.</p> <p>Precautionary statement codes- prevention: P102 Keep out of reach of children. P103 Read label before use. P104 Read Safety Data Sheet before use. P260 Do not breathe dust. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear eye/face protection.</p> <p>Precautionary statement codes- Response: P101 If medical advice is needed, have product container or label at hand. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p>
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P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P337+P313 If eye irritation persists: Get medical advice/attention.

Precautionary statement codes - Storage
P405 Store locked up.

Precautionary statement codes - Disposal
P501 In the case of a substance that is in compliance with a HSN0 approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Ingredients
	Potassium nitrate	7757-79-1	10-30 %	
	Ammonium nitrate	6484-52-2	0->25 %	
	Magnesium oxide	1309-48-4	0-2 %	
	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 washroom facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use water
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Specific hazards	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. The best method to extinguish the fire is to cool the decomposition front with water.
Precautions in connection with Fire Unsuitable extinguishing media	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Dry powder, sand, foam CO ₂ .

6. ACCIDENTAL RELEASE MEASURES



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

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

Substance	TWA ppm	mg/m ³	STEL 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, grey, coated granular solid.
Odour Not available
Melting Point Not available
Boiling Point Not available
Solubility in Water Coating not soluble, release nutrients through coating.
Specific gravity Not available
pH Value Not available
Vapour Pressure Not available
Vapour Density Not available



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(Air=1)
Density Bulk: 800-1100 kg/m³
Flashpoint Not applicable
Auto-ignition temperature Not available
Flammability Limits- Lower Not applicable
Flammability Limits- Upper Not applicable

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.
Materials to avoid Combustibles
Hazardous Decomposition Products No decomposition if stored correctly. Hazardous decomposition products may include poisonous gasses/vapours.
Hazardous polymerisation Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology information LD50 (oral, rat): >10000 mg/kg
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.
Acute Toxicity- Fish LC50/96h/rainbow trout =10 µg/l
Acute toxicity- Daphnia EC50/48h/daphnia =100 µg/l
Acute Toxicity- Algae EC50/72h/algae = 74000 µg/l

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Transport Information Australia:
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:
- 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



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New Zealand:
This material is classified as a Class 9 - Miscellaneous Substance according to NZS 5433:1999 Transport of Dangerous Goods on Land. Must not be loaded in the same freight container or on the same vehicle with:
- Class 1, Explosives
Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:
(Note 3; Segregation devices may be used as to segregate dangerous goods of Class 9 when the nature of those dangerous goods requires them to be segregated from dangerous goods of);
- Class 3, Flammable liquids
- Class 4.1, Flammable solids
- Class 4.2, Spontaneously combustible substances
- Class 4.3, Dangerous when wet substances
- Class 5.1, Oxidising substances
- Class 5.2, Organic peroxides
- Class 6.1, Toxic substances
- Class 6.2, Infectious substances
- Class 8, Corrosive substances
And are incompatible with food and food packaging in any quantity.

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 Australia:
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: May 2007

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
...End Of MSDS...

New Zealand:
180c Great South Rd
Takanini, Auckland
Phone (09) 299 6558
Fax (09) 296 0186
Emergency phone 0800 734 607