



Material Safety Data Sheet

MSDS No.	3007	Issue Date : May 2007	ISSUED by SCOTTSAU
Product Name :	OSMOCOTE STANDARD 3-4, 14+6.1+11.6		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	OSMOCOTE STANDARD 3-4, 14+6.1+11.6
Product Code	7604
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

2. HAZARDS IDENTIFICATION

Hazard Classification Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Not 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.
Not 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.

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.

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.

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.
- 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.



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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 HSNO 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.

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. The best method to extinguish the fire is to cool the decomposition front with water.
Precautions in connection with fire	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.
Unsuitable Extinguishing Media	Dry powder, sand, foam, CO2

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
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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/m ³ (for inspirable dust) and 3 mg/m ³ (for respirable dust). The limit applies to both Australia and New Zealand.				
Biological Limit Values	None 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 applicable
Solubility in Water	Coating not soluble, release nutrients through coating
pH Value	Not available
Vapour Pressure	Not applicable
Vapour Density	Not applicable
(Air=1)	
Density	Bulk: 800-1100kg/m ³
Flash point	Not applicable
Auto-Ignition	Not available
Temperature	
Flammability Limits- Lower	Not applicable
Flammability Limits- Upper	Not applicable

10. STABILITY AND REACTIVITY



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Product Name : **OSMOCOTE STANDARD 3-4, 14+6.1+11.6**

Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	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	Do not allow chemical or container to contaminate streams, ponds, drains and other 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.
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14. TRANSPORT INFORMATION

Transport Information	Not classified as dangerous goods according to the Australian Dangerous Goods Code.
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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: May 2007	
Contact Person/Point	Scotts Australia Pty Ltd 11 Columbia Way Baulkham Hills NSW 2153 Phone (02) 8853 7300	New Zealand: 180c Great South Rd Takanini, Auckland Phone (09) 299 6558



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Fax (02) 8853 7310

Emergency phone 1800 033 111

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Fax (09) 296 0186

Emergency phone 0800 734 607