



Material Safety Data Sheet

MSDS No.	7650	Issue Date : June 2007	Issued by Scotts Australia Pty Ltd
Product Name:	OSMOCOTE STANDARD 8-9MTH 16+2.2+14.1		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	OSMOCOTE STANDARD 8-9MTH 16+2.2+14.1
Product Code	7650
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	Granulated fertiliser

2. HAZARDS IDENTIFICATION

Hazard Classification	Not classified as hazardous according to NOHSC. Classified as dangerous goods according to the ADG Code.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Ingredients
	Iron sulphate	7720-78-7	<1%	
	Magnesium oxide	1309-48-4	<1%	
	Calcium sulphate dehydrate	10101-41-4	<1%	
	Ammonium nitrate	6484-52-2	>25%	

4. FIRST AID MEASURES

Inhalation	Dusty conditions are unlikely if product is used as intended. However, if prolonged inhalation of dust occurs, remove victim to fresh air. If symptoms persist, call a doctor.
Ingestion	If conscious, drink plenty of water. Do not induce vomiting. Rinse mouth. If poisoning occurs, contact a doctor or Poisons Information Centre, phone 13 11 26 (Australia) or 0800 764 766 (New Zealand).
Skin	If a person feels unwell or symptoms of skin irritation appear, consult a doctor. Rinse with plenty of water.
Eye	Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water
Unsuitable extinguishing media	Dry powder, sand, foam, CO ₂
Hazards from Combustion Products	Burning produces obnoxious and toxic fumes. In case of fire, cool with water or water spray. 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.
Special Protective Equipment for fire fighters	In the event of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Avoid dust formation. Sweep up spills and return to original container if product usable. If not usable dispose of at an approved waste disposal site. Do not let product enter drains.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Keep away from flammable material. When using do not eat or drink. Follow good housekeeping practices. Keep away from food, drink and animal feeding stuffs.
Conditions for Safe Storage	Keep away from heat and sources of ignition. Keep away from food, drink and animal feeding stuffs. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well. Keep at temperatures between 0°C and 40°C.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	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	Ensure adequate ventilation.
Respiratory Protection	Not applicable
Eye Protection	Safety glasses
Hand Protection	PVC or other plastic material gloves.
Hygiene measures	When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown, blue, greenish granules
Odour	No odour.
Melting Point	Decomposes on heating.
Boiling Point	Decomposes on heating.
Solubility in Water	Coating not soluble, releases nutrients through coating.
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Density	990-1036kg/m ³
Decomposition 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	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials	Strong oxidizing agents and combustible materials.
Hazardous Decomposition Products	No decomposition if stored normally. Thermal decomposition can lead to release of irritating gases and vapours

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause sensitisation by inhalation.
Ingestion	Ingestion may cause gastro-intestinal discomfort, nausea, vomiting and diarrhoea.
Skin	May cause skin irritation in susceptible persons.
Eye	May cause eye irritation in susceptible persons.
Chronic Effects	Ammonium nitrate is an allergen. Prolonged or repeated direct contact with fertiliser may irritate eyes and skin. Inhalation of dust may irritate nose, throat and lungs. Prolonged exposure may cause weakness, depression, headache, mental impairment, anaemia, methemoglobinemia and kidney injury. Ingestion of product can cause severe gastrointestinal irritation, muscular weakness and blue-tinged skin (cyanosis). Infants and children are especially at risk for cyanosis. Ingestion of large amounts may result in death.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available.
Persistence /	Will not bio-accumulate.



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Degradability
Mobility No information available.
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.

14. TRANSPORT INFORMATION

Transport Information Classified as dangerous goods according to the Australian Dangerous Goods Code.
UN number: 2071
Proper shipping name: AMMONIUM NITRATE BASED FERTILIZER
Class: 9
Packing Group: III

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: April 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.
...End of MSDS...

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