



# Material Safety Data Sheet

MSDS No.	7651	Issue Date : April 2008	Issued by Scotts Australia Pty Ltd
Product Name:	<b>OSMOCOTE STANDARD 12-14MTH 15+2.2+14.1</b>		

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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Product Name	OSMOCOTE STANDARD 12-14MTH 15+2.2+14.1
Product Code	7651
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

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## 2. HAZARDS IDENTIFICATION

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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

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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%

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## 4. FIRST AID MEASURES

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General advice	If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26 (Australia) or 0800 764 766 (New Zealand).
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	Never give anything by mouth to an unconscious or convulsing person. If conscious, drink plenty of water. Do not induce vomiting. Consult a doctor if necessary.
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.

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## 5. FIRE FIGHTING MEASURES

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Suitable Extinguishing Media	Water
Unsuitable extinguishing media	Dry powder, sand, foam, CO <sub>2</sub>
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.

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## 6. ACCIDENTAL RELEASE MEASURES

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Emergency Procedures	Avoid dust formation. Sweep-up to prevent slipping hazard and return to original container if usable. If not usable dispose of at an approved waste disposal site. Prevent product from entering drains.
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## 7. HANDLING AND STORAGE

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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 or animal feeding stuffs.
Conditions for Safe	Keep away from heat and sources of ignition. Keep away from food, drink and animal feeding



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**Storage**                    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.  
Incompatible for storage with oxidising and spontaneously flammable products.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**National Exposure Standards**            The exposure standard for dust not otherwise specified is 10mg/m<sup>3</sup> (for inspirable dust) and 3mg/m<sup>3</sup> (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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**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<sup>3</sup>

**Decomposition temperature**        Not available

**Flammable Limits - Lower**                                    Not available

**Flammable Limits - Upper**                                    Not available

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## 10. STABILITY AND REACTIVITY

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**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

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## 11. TOXICOLOGICAL INFORMATION

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**Inhalation**                            May cause sensitization by inhalation

**Ingestion**                             Ingestion may cause gastrointestinal irritation, 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.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	No information available.
<b>Persistence / Degradability</b>	Will not bio-accumulate.
<b>Mobility</b>	No information available.
<b>Environ. Protection</b>	Keep product and packaging out of drains, sewers, streams, ponds and other waterways.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Use product as intended. Dispose of empty packaging at an approved waste disposal site.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	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

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## 15. REGULATORY INFORMATION

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<b>Regulatory Information</b>	No information available.
<b>Poisons Schedule</b>	Not a scheduled poison.

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## 16. OTHER INFORMATION

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<b>Date of preparation or last revision of MSDS</b>	MSDS Created: April 2008	
<b>Contact Person/Point</b>	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