



Material Safety Data Sheet

MSDS No.	7661	Issue Date : April 2008	Issued by Scotts Australia Pty Ltd
Product Name:	OSMOCOTE STANDARD 3-4MTH 16+2.6+14.9		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	OSMOCOTE STANDARD 3-4MTH 16+2.6+14.9
Product Code	7661
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 dihydrate	10101-41-4	1-5%
	Ammonium nitrate	6484-52-2	>25%

4. FIRST AID MEASURES

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.

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 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. Do not contaminate surface water.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Keep away from flammable material. When using do not eat or drink.
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards The exposure standard for dust not otherwise specified is 10mg/m³ (for inspirable dust) and 3mg/m³ (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/m³
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 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



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large amounts may result in death.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	If material is uncontaminated, collect and re-use as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water. Waste Management/Disposal: Apply as fertilizer to field. If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with applicable federal, state and local regulations.
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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
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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