



Material Safety Data Sheet

MSDS No.	1037	Issue Date : June 2007	ISSUED by SCOTTS AU
Product Name :	OSMOCOTE PLUS NATIVE GARDENS		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name OSMOCOTE PLUS NATIVE GARDENS
Product Code
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 NOHSC. Not classified as dangerous goods according to the ADG Code.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ammonium nitrate	6484-52-2	
	Calcium phosphate	7758-23-8/7757-93-9/7758-87-4	Proportions not disclosed by supplier.
	Ammonium Phosphates	7783-28-0/7722-76-1	
	Calcium Fluoride	7789-75-5	
	Magnesium Sulfate	10034-99-8/7487-88-9	
	Potassium Nitrate	7757-79-1	
	Boric Acid	10043-35-3	
	Copper Sulphate	7758-98-7	
	Iron Sulphate	7782-63-0	
	Iron EDTA	15708-41-5	
	Manganese Sulfate	7785-87-7	
	Sodium Molybdate	7631-95-0	
	Zinc Sulfate	7733-02-0	
	Zinc Oxide	1314-13-2	
	Alkyd Resin coating		

4. FIRST AID MEASURES

Inhalation Remove to fresh air. Treat symptomatically.
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) 0800 764 766 (New Zealand).
Skin Wash with plenty of soap and water. If irritation occurs and persists, seek medical attention.
Eye Flush eyes with water as a precaution. If eye irritation persists, consult a doctor.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water
Hazards from Combustion Products Decomposes on heating to emit toxic oxides of nitrogen, phosphorus, potassium and sulphur, as well as ammonia.
Special Protective Equipment for fire fighters Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES



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Emergency Procedures Avoid dusting or misting conditions during cleanup. 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.

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid dust formation.
When using do not eat, drink or smoke. Wash hands with soap and water after handling.
Avoid container breakage.

Conditions for Safe Storage Store in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuffs as well as household cleaning products. Keep out of reach of children.

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
Zinc oxide (fume)	-	5	-	10
Zinc oxide (dust)	-	10	-	-

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

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Zinc oxide (fume)	-	5	-	10
Zinc oxide (dust)	-	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 None allocated

Engineering Controls Ensure adequate ventilation.

Respiratory Protection If airborne dust levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection (e.g. NIOSH/MSHA approved respirator for dusts, mists and fumes) to reduce exposures to acceptable levels.

Eye Protection None required for routine use as fertiliser. High airborne dust levels or mists of products dissolved in liquid may be irritating; use chemical goggles.

Hand and body Protection None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Mixed light and dark tan spherical pills

Odour No odour

Melting Point Decomposes on heating

Boiling Point Decomposes on heating

Solubility in Water 80-85%

pH Value Not available

Vapour Pressure Non-volatile

Vapour Density (Air=1) Not available



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Bulk density	1.1
Decomposition temperature	Not available
Flashpoint	Not available
Flammable Limits	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage.
Conditions to Avoid	None known
Incompatible Materials	Galvanised steel, mild steel, aluminium, zinc
Hazardous Decomposition Products	None known

11. TOXICOLOGICAL INFORMATION

Inhalation	No information available
Ingestion	Ingestion can lead to gastro-intestinal disturbances.
Skin	No information available
Eye	No information available.
Chronic Effects	Ammonium nitrate is allergen. Prolonged or repeated direct contact with fertilizer 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 sever 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. Inhalation of heavy concentrations of manganese-containing dusts over very prolonged periods of exposure (usually 1 to 3 years) has been reported to cause damage to the central nervous system.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available
Persistence / Degradability	No information available
Mobility	No information available
Environ. Protection	Do not allow chemical or container to contaminate streams, ponds, drains and other waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	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	Not classified as dangerous goods according to the Australian Dangerous Goods Code.
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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: July 2007
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Contact Person/Point Scotts Australia Pty Ltd
11 Columbia Way

New Zealand:
180c Great South Rd



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Phone (02) 8853 7300
Fax (02) 8853 7310
Emergency phone 1800 033 111
...End Of MSDS...

Takanini, Auckland
Phone (09) 299 6558
Fax (09) 296 0186
Emergency phone 0800 734 607