



Safety Data Sheet

MSDS No.	118950	Issue Date:	September 2015	Page:	1 of 4
Product Name:	SCOTTS OSMOCOTE PLUS TRACE ELEMENTS WATER GARDENS & AQUATIC PLANTS			Version:	1.0

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	SCOTTS OSMOCOTE PLUS TRACE ELEMENTS WATER GARDENS & AQUATIC PLANTS		
Other name/s	AMMONIUM NITRATE BASED FERTILIZER		
Product code/s	118950		
Recommended use	Fertiliser		
Manufacturer	SCOTTS AUSTRALIA PTY LTD		
Address	Australia: Building E, Level 2 32 Lexington Drive Bella Vista NSW 2153	New Zealand: Level 4 152 Fanshawe St Auckland 1140	
Telephone	(02) 8602 9000	0800 449 213	
Emergency telephone	1800 033 111 (24 hour)	0800 734 607 (24 hour)	

2. HAZARDS IDENTIFICATION

Hazard classification	Australia: Not classified as hazardous according to Australian GHS criteria. Not classified as dangerous goods according to the ADG Code. New Zealand: EPA approval details Not classified as hazard according to the criteria in the Hazardous Substance (Minimum Degrees of Hazard) Regulations 2001 Classified as dangerous goods according to NZS 5433/UN/IMDG/IATA.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS	Concentration
Ammonium nitrate	6484-52-2	30-60%
Iron EDTA	15708-41-5	<1%
Iron oxide	1309-37-1	<1%
Copper sulphate	7758-98-7	<1%
Manganese sulphate	7785-87-7	<1%
Sodium borate	1330-43-4	<1%
Sodium molybdate	7631-95-0	<1%
Magnesium oxide	1309-48-4	<1%
Other ingredients determined not to be hazardous	-	Balance

4. FIRST AID MEASURES

Inhalation	Dusty conditions are unlikely if product is used as intended. However, if prolonged inhalation of dust occurs, remove casualty to fresh air. If symptoms persist, seek medical attention.
Ingestion	If conscious, drink plenty of water. Do not induce vomiting. Rinse mouth. Seek medical attention if necessary.
Skin	If a person feels unwell or symptoms of skin irritation appear, seek medical attention.
Eye	Rinse eyes with water as a precaution. If eye irritation persists, s.
Advice to doctor	Artificial respiration and/or oxygen may be necessary

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Water. Coordinate fire extinguishing measures to fire in surrounding areas. Unsuitable extinguishing media: dry powder, sand, foam, CO ₂ .
Specific hazards arising from the chemical	Burning produces noxious 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 precautions and 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. In case of fire, separate from centre of fire.



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Hazchem code 1Z

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Sweep up to prevent slipping hazard.
Environmental precautions	Prevent product and packaging from entering drains. do not contaminate surface water.
Methods and materials for containment and cleanup	Shovel or sweep up. Use up product completely. Packaging material should be disposed of as industrial waste (large quantities) or in household garbage (small quantities).

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid dust formation. Keep away from flammable materials. When using, do not eat or drink.
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards	Safe Work Australia Exposure Standards:					
	Substance	TWA		STEL		
		ppm	mg/m ³	ppm	mg/m ³	
	Iron EDTA	-	1	-	-	
	Iron oxide	-	5	-	-	
	Manganese sulphate	-	1	-	-	
	Sodium borate	-	1	-	-	
	Sodium molybdate	-	5	-	-	
	Magnesium oxide	-	10	-	-	
	New Zealand Occupational Safety & Health Service (OSH) Workplace Exposure Standards:					
Substance	TWA		STEL			
	ppm	mg/m ³	ppm	mg/m ³		
	The exposure standard for dust not otherwise specified is 10mg/m ³ for inspirable dust and 3mg/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.					
Skin protection	PVC or other plastic material gloves.					
Eye protection	Safety glasses					

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid agglomerations of brown-greenish resin coated granules
Odour	No significant odour
pH	Not available
Melting point/freezing point	Not applicable
Boiling point	Not applicable
Flashpoint	Not available
Flammability	Non-flammable



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Upper/lower flammability limits	Not available
Solubility	Partly soluble. Coating not soluble, releases nutrients through coating.
Bulk density/specific gravity	Not available

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under recommended conditions of storage and handling.
Conditions to avoid	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials and possible hazardous reactions	Combustible materials, oxidisers.
Hazardous decomposition products	No decomposition if stored as recommended. Danger of toxic gases in smoke in case of fire

11. TOXICOLOGICAL INFORMATION

General	<i>Product information:</i> LD50/dermal/rat >2000mg/kg LD50/oral/rat >10g/kg <i>Component information:</i>		
	Ammonium nitrate	LD50/oral/rat	2410mg/kg
	Copper sulphate	LD50/oral/rat	960mg/kg
	Manganese sulphate	LD50/oral/rat	9g/kg
	Sodium molybdate	LD50/oral/rat	4000mg/kg
Inhalation	May cause sensitization by inhalation.		
Ingestion	Ingestion may cause irritation to the gastrointestinal tract, irritation, nausea, vomiting and diarrhea.		
Skin	May cause skin irritation in susceptible persons.		
Eye	May cause eye irritation in susceptible persons.		
Chronic effects	No information available.		

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological information is available for this product.
Persistence and degradability	No persistent or cumulative effects were observed.
Bioaccumulative potential	Does not bioaccumulate.
Mobility in soil	No information available
Environmental protection	Do not allow product or empty packaging to contaminate drains, rivers, streams or ponds.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods	Wear appropriate personal protective equipment when handling waste.
Disposal of contaminated packaging	Packaging material is industrial waste (large quantities) or dispose of domestic quantities in household garbage.
Environmental regulations	Dispose of product and packaging in accordance with local and national environmental protection legislation.

14. TRANSPORT INFORMATION

Transport information	ADG Code:	Not classified as dangerous goods by road and rail.
	NZS5433:2007:	Classified as dangerous goods by road and rail.



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U.N. number	IMDG Code:	Classified as dangerous goods by transport over sea.
Proper shipping name	IATA Regulations:	Classified as dangerous goods by air transport.
Hazard class	2071	
Packing group	AMMONIUM NITRATE BASED FERTILIZER	
Hazchem code	9	
	III	
	1Z	

15. REGULATORY INFORMATION

Safety, health and environmental regulations	Not classified as hazardous under Australian GHS classification criteria.
Poisons schedule number	Not classified as hazard according to the criteria in the Hazardous Substance (Minimum Degrees of Hazard) Regulations 2001.
	Not a scheduled poison.

16. OTHER INFORMATION

Date of preparation or last revision of SDS	SDS Created: September 2015
Key abbreviations and acronyms used	ADG Code: Australian Code for the Transport of Dangerous Goods by Road & Rail GHS: Globally Harmonized System of Classification and Labelling HSNO: New Zealand Hazardous Substances and New Organisms legislation. IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods Code NZS5433: New Zealand Standard- Transport of Dangerous Goods on Land. UN: United Nations