



Material Safety Data Sheet

MSDS No.	4175	Issue Date : January 2008	Issued by Scotts Australia Pty Ltd
Product Name:	SIERRABLEN NK Turf 18+0+15		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	SIERRABLEN NK TURF 18+0+15
Product Code	4175
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	Fertiliser

2. HAZARDS IDENTIFICATION

Hazard Classification Not classified as hazardous according to ASCC. Not classified as dangerous goods according to the ADG Code.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Ingredients
	Biuret	108-19-0	1-5%	
	Boric acid	10043-35-3	<1%	
	Copper sulphate	7758-98-7	<1%	
	Iron sulphate	7720-78-7	<1%	
	Magnesium oxide	1309-48-4	<1%	
	Manganese sulphate	7785-87-7	<1%	
	Sodium molybdate	7631-95-0	<1%	
	Calcium sulphate dehydrate	10101-41-4	<1%	

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 poisoning occurs contact a doctor or Poisons Information Centre on 13 11 26 (Australia) or 0800 764 766 (New Zealand).
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	Coordinate fire extinguishing measures to fire in surrounding area.
Hazards from Combustion Products	Burning produces noxious and toxic fumes. In case of fire, cool with water or water spray.
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 to prevent slipping hazard. Shovel or sweep into containers. Use as intended or dispose of waste at an approved waste disposal facility. Prevent product from entering waterways.
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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. Not compatible with oxidising and spontaneously flammable products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Australian Safety and Compensation Council(ASCC) Exposure Standards:				
	Substance	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
	Magnesium oxide (fume)	-	10	-	-
	New Zealand Occupational Health & Safety Service (OSH) Workplace Exposure Standards:				
	Magnesium oxide (fume)	-	10	-	-
	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	Respiratory protection should not be required for normal use/handling.				
Hand Protection	PVC or other plastic material gloves.				
Eye/face protection	Safety glasses.				
Skin and body Protection	Not applicable				

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid resin-coated granules
Odour	No information available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Coating not soluble, nutrients release through coating
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Bulk density	990-1036kg/m ³
Decomposition temperature	Not available
Flashpoint	Not available
Flammable Limits	Not flammable

10. STABILITY AND REACTIVITY

Chemical Stability	This product is stable under recommended storage conditions.
Conditions to Avoid	Keep away from open flames, hot surfaces and sources of ignition.
Materials to avoid	Combustible material. Oxidising agents.
Hazardous Decomposition Products	No decomposition if stored normally. Hazardous decomposition products: Poisonous gasses/vapours

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause sensitisation by inhalation.
Ingestion	Ingestion may cause gastro-intestinal irritation, nausea, vomiting or diarrhoea.
Skin	May cause skin irritation in susceptible persons.
Eye	May cause eye irritation.

12. ECOLOGICAL INFORMATION



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Ecotoxicity	<i>Component information:</i>	
	<i>Copper sulphate, CuSO4</i>	EC50/48h/daphnia =0.8 mg/L
	<i>Manganese sulphate, MnSO4</i>	EC50/48h/daphnia => 100 mg/L
	<i>Iron sulphate, FeSO4+1H2O</i> LD50/oral/rat = 1389 mg/kg	EC50/48h/daphnia = >100mg/L LC50/96h/rainbow trout = >72.5mg/L (6d) EC50/72h/algae = 22mg/L
Persistence / Degradability	<i>Sodium molybdate, Na2MoO4+2H2O</i>	LC50/96h/rainbow trout => 2800 g/L
	Will not bioaccumulate	
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.
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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: January 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