Material Safety Data Sheet

MSDS No.	2045	Issue Date : October 2007	ISSUED by SCOTTSAU

Product Name: **SIERRAFORM GT NK**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	**SIERRAFORM GT NK 19+0+16**
Product Code	4258
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

Australia:
Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
New Zealand:
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Not classified as Dangerous Goods for transport, according to the New Zealand Standard NZS 5433:1999 Transport of Dangerous Goods on Land.
HSNO classification:
6.3B Substance that is irritating to the skin

Hazard statement code:
H316- Causes mild skin irritation.
Precautionary statement codes- prevention:
P103- Read label before use.
Precautionary statement codes- response:
P332+P313- If skin irritation occurs: Get medical advice/attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion Ingredients
Iron sulphate	7720-78-7	1 - 5%
Potassium sulphate	7778-80-5	> 25%
Talc	14807-96-6	1 - 5%

4. FIRST AID MEASURES

Inhalation
In case of shortness of breath, give oxygen. Possible symptoms are coughing and/or dyspnoea. Move to fresh air. If symptoms persist, call a doctor or poisons information centre on 13 11 26 (Australia) or 0800 764 766 (New Zealand).

Ingestion
Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. In case of respiratory difficulties practice oxygenotherapy.
Possible symptoms are nausea and/or vomiting.
If poisoning occurs contact a doctor or poisons information centre on 13 11 26 (Australia) or 0800 764 766 (New Zealand).

Skin
If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Eye
Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media
Use dry chemical, CO2, water spray or "alcohol" foam.

Hazards from
Product smoulders! In case of fire, cool with water or water spray.

Combustion Products	Thermal decomposition can lead to release of irritating gases and vapours.
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. Evacuate area and fight fire from a safe distance.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Avoid dust formation. Ensure adequate ventilation. Prevent product from entering drains. Do not contaminate surface water. Shovel or sweep up. Use up product completely. Packaging material is industrial waste.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Keep away from open flames, hot surfaces and sources of ignition. Follow good housekeeping practices. When using, do not eat, drink or smoke.
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

Australian National Occupational Health And Safety Commission (NOHSC) Exposure Standards:

Substance	TWA		STEL	
	ppm	mg/m³	ppm	mg/m³
Talc (containing no asbestos fibres)	-	2.5	-	-

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

Substance	TWA		STEL	
	ppm	mg/m³	ppm	mg/m³
Talc (containing no asbestos fibres)	-	2 (respirable dust)	-	-

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	Not applicable.
Hand Protection	PVC or other plastic material gloves.
Eye/face protection	Safety glasses.
Skin and body Protection	Usual safety precautions while handling the product will provide adequate protection against potential effects.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark grey, brownish granules
Odour	No information available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Moderately soluble
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Bulk density	950 kg/m3

Decomposition temperature	> 150°C
Flashpoint	Non-flammable
Flammable Limits	Non-flammable

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.
Materials to avoid	Combustible material.
Hazardous	No decomposition if stored normally
Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors.

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	Contact with eyes may cause irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Component information: Iron sulphate: EC50/48hr/daphnia >100mg/L LC50/96hr/rainbow trout >72.5mg/L (6d) EC50/72hr/algae 22mg/L Potassium sulphate: LC50/96hr/rainbow trout 890mg/L
Persistence / Degradability	Will not bioaccumulate.
Environ. Protection	Do not allow product or empty packaging to enter drains, sewers, streams, ponds or other waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Use up product completely. Empty containers can be landfilled, when in compliance with the local regulations.

14. TRANSPORT INFORMATION

Transport Information	Not classified as dangerous goods according to the Australian Dangerous Goods Code.

15. REGULATORY INFORMATION

Regulatory Information	HSNO Approval Code HSR000257.
Poisons Schedule	Not a scheduled poison.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Created: October 2007	
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	New Zealand: 180c Great South Rd Takanini, Auckland Phone (09) 299 6558 Fax (09) 296 0186 Emergency phone 0800 734 607

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