



# Material Safety Data Sheet

MSDS No.	2044	Issue Date : October 2007	ISSUED by SCOTSAU
Product Name:	SIERRAFORM GT K-STEP		

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	SIERRAFORM GT K-STEP 6+0+22
Product Code	4102
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

<b>Hazard Classification</b>	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.
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion Ingredients
	Sand	14808-60-7	5 - 10 %
	Iron sulphate	7720-78-7	1 - 5%
	Talc	14807-96-6	1 - 5%
	Potassium sulphate	7778-80-5	> 25 %

## 4. FIRST AID MEASURES

<b>Inhalation</b>	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).
<b>Ingestion</b>	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).
<b>Skin</b>	If a person feels unwell or symptoms of skin irritation appear, consult a doctor.
<b>Eye</b>	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

## 5. FIRE FIGHTING MEASURES



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**Suitable Extinguishing Media** Coordinate fire extinguishing measures to fire in surrounding area.

**Hazards from Combustion Products** Product smoulders! In case of fire, cool with water or water spray. 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/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Talc (containing no asbestos fibres)	-	2.5	-	-
Quartz (silica crystalline)	-	0.1	-	-

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

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Talc (containing no asbestos fibres)	-	2 (respirable dust)	-	-
Quartz (silica crystalline)	-	0.2 (respirable dust)	-	-

The exposure standard for dust not otherwise specified is 10 mg/m<sup>3</sup> (for inspirable dust) and 3 mg/m<sup>3</sup> (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



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Product Name: **SIERRA FORM GT K-STEP**

<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Moderately soluble
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	Not available
<b>Bulk density</b>	800-1100 kg/m <sup>3</sup>
<b>Decomposition temperature</b>	> 150°C
<b>Flashpoint</b>	Non-flammable
<b>Flammable Limits</b>	Non-flammable

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces and sources of ignition.
<b>Materials to avoid</b>	Oxidising agents
<b>Hazardous Decomposition Products</b>	No decomposition if stored normally Thermal decomposition can lead to release of irritating gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation</b>	May cause sensitization by inhalation.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
<b>Skin</b>	May cause skin irritation in susceptible persons.
<b>Eye</b>	Contact with eyes may cause irritation.

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations</b>	Use up product completely. Empty containers can be landfilled, when in compliance with the local regulations.
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## 14. TRANSPORT INFORMATION

<b>Transport Information</b>	Australia: Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. New Zealand: Not classified as Dangerous Goods for transport, according to the New Zealand Standard NZS 5433:1999 Transport of Dangerous Goods on Land.
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## 15. REGULATORY INFORMATION

<b>Regulatory Information</b>	HSNO Approval Code HSR000257.
<b>Poisons Schedule</b>	Not a scheduled poison.

## 16. OTHER INFORMATION



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**Date of preparation or last revision of MSDS**      MSDS Created: October 2007

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Baulkham Hills NSW 2153  
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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