



# Material Safety Data Sheet

MSDS No.	2013	Issue Date : March 2008	Issued by Scotts Australia Pty Ltd
Product Name:	<b>SIERRAFORM HI MAINTENANCE 31-1-8</b>		

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	SIERRAFORM HI MAINTENANCE 31-1-8
Product Code	8331A
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 NOHSC. Not classified as dangerous goods according to the ADG Code.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Ingredients
	Monoammonium phosphate	7722-76-1	*	
	Urea	57-13-6	*	
	Potassium sulphate	7778-80-5	*	
	Iron sulphate	7782-63-0	*	
	Manganese sulphate	7439-96-5	*	
				* Amounts not disclosed by supplier.

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Remove patient to fresh air. Get medical attention if irritation occurs and persists.
<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. If conscious, rinse mouth with water. If poisoning occurs, contact a doctor or Poisons Information Centre, phone 13 11 26 (Australia) or 0800 764 766 (New Zealand).
<b>Skin</b>	Wash thoroughly. Get medical attention if irritation occurs and persists.
<b>Eye</b>	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Dry chemical, water fog, CO <sub>2</sub> , foam.
<b>Hazards from Combustion Products</b>	In a fire, thermal decomposition of urea and methylene urea will generate ammonia. Oxides of nitrogen, sulphur and carbon are also possible.
<b>Special Protective Equipment for fire fighters</b>	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

<b>Emergency Procedures</b>	Avoid dust formation. Prevent product from entering drains. Do not contaminate surface water. Sweep up spills and return to original container if product usable. If not usable dispose of at an approved waste disposal site.
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## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Keep away from open flames, hot surfaces and sources of ignition.
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**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

<b>National Exposure Standards</b>	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.
<b>Biological Limit Values</b>	None allocated.
<b>Engineering Controls</b>	Ensure ventilation is adequate and that air concentrations are controlled below quoted Exposure Standards. Avoid generating and inhaling dusts. Keep containers closed when not in use.
<b>Respiratory Protection</b>	Respiratory protection should not be required for normal use/handling. Avoid breathing dust. If airborne dust levels are high, a dust mask is recommended to avoid inhalation. The respirator use limitations specified by the manufacturer must be observed. Respirators must be in compliance with AS/NZS 1715 and AS/NZS 1716.
<b>Hand Protection</b>	Although this material does not present a significant skin concern, minimise skin contamination by following good industrial practice. Wash hands and contaminated skin thoroughly after handling. Wear gloves if in regular contact.
<b>Eye/face protection</b>	Protective eyewear is normally not required when handling this product but is suggested to avoid eye contact.
<b>Skin and body Protection</b>	Usual safety precautions while handling the product will provide adequate protection against this potential effect.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Granule
<b>Odour</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Partly 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>	Not available
<b>Decomposition temperature</b>	Not available
<b>Flashpoint</b>	Not available
<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>	Combustible material
<b>Hazardous Decomposition Products</b>	No decomposition if stored normally. Thermal decomposition may lead to release of irritating gases and vapours.

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation</b>	This product is formulated as a granule and is unlikely to be inhaled but if granule breakdown leads to dust formation then inhalation of product in dust form may cause irritation.
<b>Ingestion</b>	Ingestion of large doses may cause gastro-intestinal irritation, nausea, vomiting and diarrhoea.
<b>Skin</b>	May cause skin irritation in susceptible persons.
<b>Eye</b>	Contact with eyes may cause irritation.



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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

**Persistence / Degradability** Will degrade on contact with soil. Will not bioaccumulate.

**Environ. Protection** Prevent product or empty packaging from entering waterways.

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## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORT INFORMATION

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**Transport Information** Not classified as dangerous goods according to the ADG Code.

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## 15. REGULATORY INFORMATION

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**Regulatory Information** No information available.

**Poisons Schedule** Not a scheduled poison.

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## 16. OTHER INFORMATION

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**Date of preparation or last revision of MSDS** MSDS Created: March 2008

**Contact Person/Point** Scotts Australia Pty Ltd  
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Baulkham Hills NSW 2153  
Phone (02) 8853 7300  
Fax (02) 8853 7310  
Emergency phone 1800 033 111  
...End of MSDS...

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180c Great South Rd  
Takanini, Auckland  
Phone (09) 299 6558  
Fax (09) 296 0186  
Emergency phone 0800 734 607