



## MATERIAL SAFETY DATA SHEET

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Date of Issue August 2005  
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### STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Australia.

### COMPANY DETAILS

Company	Scotts Australia Pty. Ltd.	
Address	Australia: 11 Columbia Way Baulkham Hills, NSW, 2153	New Zealand: 180c Great South Rd Takanini, Auckland
Telephone Number	(02) 8853 7300	(09) 299 6558
Fax Number	(02) 8853 7310	(09) 296 0186
Emergency Telephone Number	Australia: 1800 033 111	New Zealand: 0800 734 607

### IDENTIFICATION

Product Name	<b>PREMAX HIGH K 14:0:12 FERTILISER WITH PRE-EMERGENT HERBICIDE</b>
Other Names	Sierracare Turf Fertiliser 14:0:12 Plus Pre-emergent Weed Control
Manufacturers Product Code	86342
UN Number	None allocated
Dangerous Goods Class	None allocated
Sub-Risk Class	None allocated
Packaging Group	None allocated
Hazchem Code	None allocated
Poisons Schedule	S5- CAUTION
Uses	A combination herbicide and fertiliser product for use on turf

### Physical Description /Properties

Appearance & Odour	Yellow granule
Melting point/softening point	Starts at 47-53°C; complete at 56-57°C
Boiling Point	Not available
Vapour Pressure	Not available
Flashpoint	Non flammable
Flammability Limits	Not available
Solubility in Water	Not readily soluble. Granule softens and breaks down within 24 hours.
pH	Not available
Incompatibility	Not available
Specific Gravity	Not available
Bulk density	706-879kg/m <sup>3</sup>
Volatile Proportion	Non-volatile
Corrosiveness	Non-corrosive

### Ingredients

	Chemical Name	CAS Number	Proportion % w/w
Active ingredients	Pendimethalin	40487-42-1	1.07
	Potassium chloride	7447-40-7	10-30
	Sulphur	7704-34-9	1-5
	Urea	57-13-6	10-30
Inerts	Limestone	53404-59-4	30-50
	Aromatic 200 solvent (aromatic hydrocarbon)	68477-31-6	<5

**HEALTH HAZARD INFORMATION**

**Health Effects**

*Acute*

Swallowed Possible gastrointestinal tract irritation.  
 Eye Contact with eyes may cause irritation.  
 Skin May cause skin irritation in susceptible persons.  
 Inhaled May cause irritation of respiratory tract.

*Chronic*

No chronic effects have been reported for this product. No special medical surveillance is considered necessary for this product.

**First Aid**

Swallowed Contact a doctor or Poisons Information Centre on 13 11 26 (Australia) or 0800 764 766 (New Zealand). Have person sip a glass of water if able to swallow. Do not induce vomiting without medical advice.

Eye If in eyes, hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes then keep rinsing. If irritation persists seek medical advice.

Skin If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poisons information centre on 13 11 26 (Australia) or 0800 764 766 (New Zealand) or doctor for treatment advice.

Inhaled Move person to fresh air. If person is not breathing, call 000 (Australia) or 111 (New Zealand) for an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poisons information centre 13 11 26 (Australia) or 0800 764 766 (New Zealand) or doctor for further treatment advice.

First Aid Facilities Eye wash.

**Advice to Doctor** Treat symptomatically.

Medical conditions which may be aggravated by contact Inhalation of dust may aggravate asthma.

**PRECAUTIONS FOR USE**

Exposure Standards Exposure limit standards for some of the constituents of this preparation are as follows:

<u>Constituent:</u>	<u>mg/m<sup>3</sup> OSHA</u>
Pendimethalin	None
Urea	None
Potassium chloride	None

Engineering Controls Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard

Personal Protection Eye/face protection: eye/face protection is not required but is recommended in manufacturing situations where contact may occur. Safety glasses with side shields or goggles.  
 Skin and body protection: no special protective clothing is required under normal workplace conditions. After using product, remove clothing and wash before reuse.  
 Respiratory protection: if airborne levels are high or product does not remain intact use a combination of engineering controls (e.g. ventilation) and personal protection (an approved respirator for dusts, mists and fumes).

**SAFE HANDLING INFORMATION**

- Storage and Transport** Store in the closed original container, in a dry cool well ventilated area out of direct sunlight. Avoid bag breakage. Do not store with seed, feed or foodstuffs.
- Spills and Disposal** Sweep up spilled material and return to the original container or to a well marked drum. Wash contaminated equipment taking care that washings do not enter sewers, drains and other waterways. Shred empty container and bury in a local authority landfill. If not available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
- Fire/Explosion Hazard** The material does not present a fire or explosion hazard. If stored where a fire occurs, dry chemical, water, carbon dioxide and foam may be used. In a fire, thermal decomposition of urea will generate ammonia and hydrochloric acid. Oxides of nitrogen and carbon are also possible.

**OTHER INFORMATION**

**Environmental Protection** The product is not particularly dangerous to terrestrial organisms including wild life. Toxic to aquatic organisms including fish. Do not contaminate dams, streams or other water bodies with the product or used containers.

The LC50 values for pendimethalin are as follows:-

Channel catfish	1.9 ppm	Sheepshead minnow	0.71 ppm
Eastern oyster	0.21 ppm	Pink shrimp	1.6 ppm
Crayfish	>300 ppm	<i>Daphnia magna</i>	0.52 ppm (24 hour)
Mallard Duck (8 day dietary)	10,338 ppm		
Bobwhite quail (8 day dietary)	4,187 ppm		

**Animal Toxicity Data** LD50 oral, rat > 5,000 mg/kg  
LD50 dermal, rabbit >2,000 mg/kg  
Eye effects, rabbit- mild eye irritation.

**APVMA no.** 56199

**CONTACT POINT**

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**24 hour Emergency Response for Transport and Exposure:**

Australia: 1800 033 111

New Zealand: 0800 734 607