



MATERIAL SAFETY DATA SHEET

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MSDS No. 2010

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 **PREMAX HIGH N 22:0:5 FERTILISER WITH PRE-EMERGENT HERBICIDE**
Other Names Turf Fertiliser & Pre-emergent Weed Control 22:0:5
Manufacturers Product Code 86052
UN Number None allocated
Dangerous Goods Class Not a Dangerous Good
Sub-Risk Class None allocated
Packaging Group None allocated
Hazchem Code None-allocated
Poisons Schedule 5 -CAUTION
Uses A combination herbicide and fertiliser product for use on turf.

Physical Description /Properties

Appearance & Odour Granule, yellow.
Melting point/softening point Starts at 47-53°C; completes 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/m³
Volatile Proportion Non-volatile
Corrosiveness Non-corrosive

Ingredients

Ingredient	Chemical Name	CAS Number	Proportion % w/w
Active ingredients	Pendimethalin	40487-42-1	0.75
	Potassium chloride	7447-40-7	10-30
	Sulphur	7704-34-9	5-10
	Urea	57-13-6	15-40
Inerts	Limestone	53404-59-4	10-30
	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 immediately 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. Never give anything by mouth to an unconscious person.
 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 continue 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. If irritation persists, seek medical 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 doctor or Poisons Information Centre on 13 11 26 (Australia) or 0800 764 766 (New Zealand) 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>OSHA</u> <u>PEL</u>	<u>OCGIH</u> <u>TLV</u>
Pendimethalin	None	None
Urea	None	None
Potassium chloride	None	None

Engineering Controls Use adequate ventilation to keep the airborne dust 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 equipment is required under normal workplace conditions. After using the 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 (e.g. approved respirator for dusts, mists and fumes).
 General hygiene considerations: wash hands before breaks and immediately after handling the product.

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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 500mm 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.
Animal Toxicity Data	The LC50 values for pendimethalin are as follows:- Channel catfish 1.9ppm Eastern oyster 0.21ppm Crayfish >300ppm Mallard Duck (8 day dietary) 10,338ppm Bobwhite quail (8 day dietary) 4,187ppm Sheepshead minnow 0.71ppm Pink shrimp 1.6ppm Daphnia magna 0.52ppm (24hr) LD50 oral, rat >5,000mg/kg LD50 dermal, rabbit >2,000mg/kg
APVMA No.	56189
ERMA no.	HRS000548

CONTACT POINT

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24 hour Emergency Response for Transport and Exposure:

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