



Material Safety Data Sheet

MSDS No.	2021	Issue Date : January 2008	Issued by Scotts Australia Pty Ltd
Product Name:	PREMAX HI K 14:0:12 FERTILISER WITH PRE-EMERGENT HERBICIDE		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	PREMAX HI K 14:0:12 FERTILISER WITH PRE-EMERGENT HERBICIDE
Product Code	8634
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 with pre-emergent herbicide

2. HAZARDS IDENTIFICATION

Hazard Classification	Australia: Classified as hazardous according to criteria of the Australian Safety & Compensation Council (ASCC), Australia. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. R43- May cause sensitization by skin contact. R50/53- Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment. S2- Keep out of reach of children. S24- Avoid contact with skin. S29- Do not empty into drains. S37- Wear suitable gloves. S60- This material and its container must be disposed of as hazardous waste. S61- Avoid release to the environment.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	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 %	
	Limestone	53404-59-4	30-50	
	Aromatic 200 solvent (aromatic hydrocarbon)	68477-31-6	<5 %	

4. FIRST AID MEASURES

Inhalation	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.
Ingestion	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.
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.
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 and then continue rinsing. If irritation persists seek medical advice.

5. FIRE FIGHTING MEASURES

Suitable	Water spray, dry chemical, foam, CO ₂
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Extinguishing Media	
Hazards from Combustion Products	Combustion can produce toxic fumes and irritating gases.
Special Protective Equipment for fire fighters	Dust at sufficient concentrations may form explosive mixture with air. In case of fire wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Avoid contact with skin, eyes and clothing. Do not let product enter drains. Vacuum or sweep up material and place in a disposal container. If material is uncontaminated, collect and reuse as recommended for product. If material is contaminated, put in appropriate container and dispose according to local waste disposal regulations.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Wash hands after handling. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams or ponds. Avoid generating and inhaling dusts.
Conditions for Safe Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Do not contaminate water, food, or feed by storage or disposal. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	The exposure standard for dust not otherwise specified is 10 mg/m ³ (for inspirable dust) and 3 mg/m ³ (for respirable dust). The limit applies to both Australia and New Zealand.
Biological Limit Values	None allocated
Engineering Controls	Ensure adequate ventilation.
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. Respirator for dusts, mists, and fumes conforming to AS/NZS 1715 and AS/NZS 1716).
Hand Protection	Wear rubber gloves. Wash hands thoroughly after handling.
Eye/face protection	Face shield 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow granule
Odour	Fertiliser
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Not available
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Bulk density	720-880kg/m ³
Decomposition temperature	Not available
Flashpoint	Not available
Flammable Limits	Not flammable

10. STABILITY AND REACTIVITY



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Chemical Stability	This product is stable under recommended storage conditions.
Conditions to Avoid	Extreme heat. Contact with strong alkalis, oxidizers, and reducing agents. Contact with fuels and other organic or combustible materials. Active metals such as aluminum, magnesium, and chlorine compounds.
Materials to avoid	Strong acids, bases, oxidizers, and reducing agents.
Hazardous Decomposition Products	Combustion may produce irritating gases and vapors. Toxic metal oxides may be produced.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD50/oral: >5g/kg, rat LD50/dermal: >2g/kg, rabbit Eye effects: Mild irritation, rabbit Skin effects: Slight irritation, rabbit
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Skin	May cause skin irritation.
Eye	May cause eye irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to fish.
Persistence / Degradability	Inherently biodegradable.
Mobility	Water contaminating.
Environ. Protection	Prevent product and empty packaging from entering waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Use product as intended. 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. Do not allow product or empty container to enter drains, sewers, streams, ponds or any other waterways.
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14. TRANSPORT INFORMATION

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

Regulatory Information	Australia: APVMA approval no. 56199
Poisons Schedule	S5

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Created: January 2008	
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 ...End of MSDS...	New Zealand: 180c Great South Rd Takanini, Auckland Phone (09) 299 6558 Fax (09) 296 0186 Emergency phone 0800 734 607