



# Material Safety Data Sheet

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Infosafe No.	LPW4H	Issue Date : February 2007	ISSUED by SCOTSAU
Product Name :	<b>PETERS PROFESSIONAL PLANT STARTER 10+23+8+TE</b>		

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	PETERS PROFESSIONAL PLANT STARTER 10+23+8+TE
<b>Product Code</b>	2104
<b>Company Name</b>	SCOTTS AUSTRALIA PTY LTD
<b>Address</b>	11 Columbia Way Baulkham Hills NSW 2153 Australia
<b>Emergency Tel.</b>	1800 033 111
<b>Telephone/Fax Number</b>	Tel: (02) 8853 7300 Fax: (02) 8853 7310
<b>Recommended Use</b>	Water soluble 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: Not 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.
<b>Safety Phrase(s)</b>	S17 Keep away from combustible material.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Ingredients determined not to be hazardous	Not required	60-100 %
	Potassium Nitrate	7757-79-1	0-10 %
	Sodium molybdate	7631-95-0	0-<1 %

## 4. FIRST AID MEASURES

<b>Inhalation</b>	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.
<b>Skin</b>	Wash affected area extremely thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
<b>Eye</b>	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
<b>First Aid Facilities</b>	Eye wash and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Water, water spray, high volume water jet.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes such as nitrogen dioxide, carbon dioxide, ammoniac and hydrogen chloride.
<b>Special Protective Equipment for fire fighters</b>	Full protective clothing and self-contained breathing apparatus.
<b>Specific Methods</b>	This product smoulders, in case of a fire cool with water or water spray.
<b>Hazchem Code</b>	None Allocated



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## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Slippery when spilt, avoid accidents. Remove ignition sources. Evacuate all unnecessary personnel. Remove sources of heat, impact and friction. Wear protective clothing and minimise inhalation, skin and eye contact. Shovel/sweep up avoiding any dust generation into an antistatic bag or conductive container. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Avoid generating dust. Use smallest possible amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Label containers. Keep containers closed when not in use and handle containers with care. Keep partly used bags closed. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.

**Conditions for Safe Storage** Store in a well ventilated area away from heat and sources of ignition. Store away from food, drink, feedstuffs and incompatible materials. Store in suitable, labelled containers. Keep containers closed when not in use. Avoid any dust build-up by frequent cleaning and suitable construction of storage area. Keep storage separated from work areas. Inspect periodically for deficiencies such as damage or leaks. Avoid impact and friction.

**Storage Temperatures** 0 - 40°C

**Recommended Materials** Plastic bags.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure standards have been established for this material by the Australian National Occupational Health & Safety Commission (NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, 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** No biological limit allocated.

**Engineering Controls** Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.

**Respiratory Protection** Where sufficient ventilation is not available, avoid breathing dust by wearing an AS 1716 approved P1 or P2 particulate filter respirator. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

**Eye Protection** Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection** Wear gloves of impervious material such as rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

**Body Protection** Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist.

## 9. PHYSICAL AND CHEMICAL PROPERTIES



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<b>Appearance</b>	Off-white solid, prills, flakes and powder.
<b>Odour</b>	Not available.
<b>Melting Point</b>	Not available.
<b>Boiling Point</b>	Not applicable.
<b>Solubility in Water</b>	Complete solubility.
<b>Specific Gravity</b>	Not available.
<b>pH Value</b>	Not applicable.
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	Not available
<b>Density</b>	Bulk density: 800 - 1200 kg/m <sup>3</sup>
<b>Flash Point</b>	Not available.
<b>Flammable Limits - Lower</b>	Not available
<b>Flammable Limits - Upper</b>	Not available

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Heat, flames and other ignition sources.
<b>Incompatible Materials</b>	Combustible materials.
<b>Hazardous Decomposition Products</b>	Decomposition can result in the release of toxic and/or irritating fumes.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	Acute toxicity data available for this product.
<b>Inhalation</b>	Inhalation of dusts may irritate the respiratory system.
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Skin</b>	May cause redness, itching and irritation.
<b>Eye</b>	May cause eye irritation, tearing, stinging, blurred vision, and redness.
<b>Chronic Effects</b>	Not available.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	No ecological data available for this product.
<b>Persistence / Degradability</b>	Not available.
<b>Mobility</b>	Not available.
<b>Information on Ecological Effects</b>	Ecotoxicity effects (Sodium molybdate): LC50/96h/rainbow trout => 2800 g/l
<b>Environ. Protection</b>	Do not allow product to enter drains, waterways or sewers.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Dispose of waste according to federal, EPA and state regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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**U.N. Number** None Allocated  
**Proper Shipping Name** None Allocated  
**DG Class** None Allocated  
**Hazchem Code** None Allocated  
**Packing Group** None Allocated  
**Other Information** This product is non hazardous due to the Directive 1999/45/EC.

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## 15. REGULATORY INFORMATION

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**Regulatory Information** Australia:  
Not classified as hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC).  
**Poisons Schedule** Not Scheduled  
**National and or International Regulatory Information** New Zealand:  
Not classified as Hazardous according to the Hazardous Substances (Classification) Regulations 2001.

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## 16. OTHER INFORMATION

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

**Contact Person/Point** New Zealand:  
180c Great South Rd  
Takanini, Auckland  
Phone: (09) 299 6558  
Fax: (09) 296 0186  
Emergency Tel: 0800 734 607  
...End Of MSDS...