



Material Safety Data Sheet

Page: 1 of 4

Infosafe No.	LPW4Q	Issue Date : February 2007	ISSUED by SCOTTS AU
Product Name :	PETERS PROFESSIONAL UNI-MIX PLUS III 10+2.2+8.3+TE		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	PETERS PROFESSIONAL UNI-MIX PLUS III 10+2.2+8.3+TE
Product Code	91195
Company Name	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	Water soluble fertiliser.

2. HAZARDS IDENTIFICATION

Hazard Classification	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.
Safety Phrase(s)	S17 Keep away from combustible material.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Calcium nitrate	13477-34-4	10-30 %
	Potassium Nitrate	7757-79-1	10-30 %
	Ureaform	9011-05-6	10-30 %
	Calcium sulphate anhydrous	7778-18-9	10-30 %
	Potassium magnesium sulphate	17855-14-0	10-30 %
	Tricalcium phosphate	7758-87-4	7-13 %
	Magnesium Sulphate	7487-88-9	0-10 %
	Iron (II) sulphate	7782-63-0	0-10 %
	Manganese (II) sulphate monohydrate	7785-87-7	0.1-1 %
	Copper sulphate	7758-98-7	0.1-1 %
	Boric acid	10043-35-3	0.1-1 %
	zinc sulfate	7733-02-0	0.1-1 %
	Ammonium Molybdate	12054-85-2	0-<0.1 %

4. FIRST AID MEASURES

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.
Skin	Wash affected area extremely thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
Eye	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.



Material Safety Data Sheet

Page: 2 of 4

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First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water spray, dry chemical, foam and carbon dioxide (CO₂).

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including ammonia and toxic metal oxides.

Special Protective Equipment for fire fighters Full protective clothing and self-contained breathing apparatus.

Specific Methods Collect water used to fight fire.

Specific Hazards Contact with combustible material may cause fire.

Hazchem Code None Allocated

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures 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. Do Not smoke. Avoid impact and friction. 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.

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/m³ (for inspirable dust) and 3 mg/m³ (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



Material Safety Data Sheet

Page: 3 of 4

Infosafe No.	LPW4Q	Issue Date : February 2007	ISSUED by SCOTTS AU
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	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 PVC. 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

Appearance	Solid, powder.
Odour	Not available.
Melting Point	Not available.
Boiling Point	Not applicable.
Solubility in Water	Highly soluble (80%)
Specific Gravity	Not available.
pH Value	Not applicable.
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Flash Point	Not available.
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Avoid combustibles, shock, static charge, friction, fire or other sources of ignition.
Incompatible Materials	Combustible materials such as fuel, organic materials, strong alkalis, strong acids, oxidisers and reducing agents. Active metals such as aluminium, magnesium, chlorine compounds.
Hazardous Decomposition Products	Decomposition can result in the release of toxic and/or irritating fumes such as toxic metal oxides.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

Ecotoxicity	May be toxic to aquatic organisms.
Persistence / Degradability	Degrades slowly.
Mobility	Water contaminating.



Material Safety Data Sheet

Page: 4 of 4

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Information on Ecological Effects	Contains Molybdenum (Mo). The application of materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) which are toxic to ruminant animals. Do not contaminate water sources when disposing of equipment washwaters.
Environ. Protection	Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to federal, EPA and state regulations.
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14. TRANSPORT INFORMATION

Transport Information	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 Dangerous Goods for transport according to the NZS 5433:1999 Transport of Dangerous Goods on Land.
U.N. Number	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
Packing Group	None Allocated

15. REGULATORY INFORMATION

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.

16. OTHER INFORMATION

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

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