



Material Safety Data Sheet

MSDS No.	3020	Issue Date : June 2007	Issued by Scotts Australia Pty Ltd
Product Name:	PETERS PROFESSIONAL STEM		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	PETER'S PROFESSIONAL STEM (SOLUBLE TRACE ELEMENT MIX)
Product Code	91391
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	Water soluble fertiliser

2. HAZARDS IDENTIFICATION

Hazard Classification	Not classified as hazardous according to NOHSC. Not classified as dangerous goods according to the ADG Code.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Ingredients
	Boric Acid	10043-35-3		
	Copper Sulphate	7758-98-7		
	Iron Sulphate	7782-63-0		
	Manganese Sulphate	7785-87-7		
	Sodium Molybdate	7631-95-0		
	Zinc Sulphate	7733-02-0		
	Surfactants	Not disclosed		
	Water	7732-18-5		balance

4. FIRST AID MEASURES

Inhalation	Remove patient to fresh air. Obtain medical attention if irritation occurs and persists.
Ingestion	If conscious, drink plenty of water. Do not induce vomiting. Rinse mouth. If poisoning occurs contact a doctor or poisons information centre, phone 13 11 26 (Australia) 0800 764 766 (New Zealand).
Skin	Remove contaminated clothing and wash the effected area thoroughly with soap and water. Obtain medical attention if irritation occurs and persists.
Eye	Flush eyes with water holding eyelids open. Obtain medical attention if irritation occurs and persists.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, water fog, foam, CO ₂ .
Hazards from Combustion Products	sulphur oxides
Special Protective Equipment for fire fighters	In the event of fire and/or explosion, do not breathe fumes. Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Sweep-up to prevent slipping hazard. Prevent product from entering drains. Do not contaminate surface water. Shovel or sweep up and return to original container if useable. If not useable dispose of at an approved waste disposal site.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	When using do not eat, drink or smoke.
Conditions for Safe Handling	Avoid container breakage.
Conditions for Safe Storage	Avoid container breakage. Keep away from food, feed or feedstuffs. Avoid contact with skin, eyes



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Storage or clothing. Wash after handling. 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 ventilation is adequate and that air concentrations are controlled below quoted Exposure Standards. Avoid generating and inhaling dusts. Keep containers closed when not in use.
Respiratory Protection	Respiratory protection should not be required for normal use/handling. Avoid breathing dust. If airborne dust levels are high, a dust mask is recommended to avoid inhalation. The respirator use limitations specified by the manufacturer must be observed. Respirators must be in compliance with AS/NZS 1715 and AS/NZS 1716.
Eye Protection	Protective eye wear is normally not required when handling this product but is suggested to avoid eye contact.
Hand and body Protection	Although this material does not present a significant skin concern, minimise skin contamination by following good industrial practice. Wash hands and contaminated skin thoroughly after handling. Wear gloves if in regular contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale greenish-yellow solid
Odour	Slight sulphur odour
Melting Point	Not available
Boiling Point	Decomposes on heating
Solubility in Water	100%
pH Value	Neutral
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Density	Not available
Decomposition temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Extreme heat
Incompatible Materials	Strong alkalis, oxidizers and reducing agents, fuels and other organic or combustible materials, active metals such as aluminium and magnesium. Strong acids.
Hazardous Decomposition Products	Sulphur oxides.

11. TOXICOLOGICAL INFORMATION

Inhalation	Dust if inhaled, is irritating to the linings of the upper respiratory tract resulting in congestion of nasal membranes and sore throat. This product is formulated as a granule and is unlikely to be inhaled but if granule breakdown leads to dust formation then inhalation of product in dust form may cause irritation.
Ingestion	Swallowing dry product or product in concentrated solution may cause irritation to the linings of the gastrointestinal tract, nausea, vomiting and diarrhoea.
Skin	Brief skin contact is unlikely to cause irritation. Prolonged or repeated contact, especially with



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Eye moist skin may cause irritation and dermatitis.
Eye contact with dry product or product in concentrated solution may cause moderate to severe irritation resulting in redness, tearing, conjunctivitis and possible corneal injury.

Chronic Effects This product has low chronic toxicity. No long term effects are known.

12. ECOLOGICAL INFORMATION

Ecotoxicity May be beneficial to plant life.

Persistence / Degradability Will degrade on contact with soil. Will not bioaccumulate.

Mobility No information available.

Environ. Protection Do not allow chemical or container to contaminate streams, ponds, drains and other waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Use up product completely. Dispose of packaging according to state and local waste disposal regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Regulatory Information No information available.

Poisons Schedule Not a scheduled poison.

16. OTHER INFORMATION

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

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