



# Material Safety Data Sheet

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Infosafe No. LPW8T Issue Date : March 2007 ISSUED by SCOTSAU

Product Name : MICROMAX MICRONUTRIENTS

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** MICROMAX MICRONUTRIENTS  
**Product Code** 90505  
**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** General fertiliser product.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Australia:  
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.  
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
New Zealand:  
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.  
Classified as Dangerous Goods for transport, according to the New Zealand Standard NZS 5433:1999 Transport of Dangerous Goods on Land.  
HSNO classification:  
6.1D - Substance that is moderate acutely toxic.  
6.3A - Substance that is irritating to the skin.  
6.5B - Substance that is a contact sensitiser.  
6.8B - Substance that is a suspected human reproductive or developmental toxicant.  
6.9A - Substance that is toxic to human target organs or systems.  
8.3A - Substance that is corrosive to ocular tissue.  
9.1B - Substance that is ecotoxic in the aquatic environment.  
9.3C - Substance that is harmful to terrestrial vertebrates.  
Hazard statement code:  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H361 Suspected of damaging fertility or the unborn child.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.  
H433 Harmful to terrestrial vertebrates.  
  
Precautionary statement codes- prevention:  
P102 Keep out of reach of children.  
P103 Read label before use.  
P104 Read Safety Data Sheet before use.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 Use personal protective equipment as required.  
  
Precautionary statement codes- Response:  
P101 If medical advice is needed, have product container or label at hand.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.



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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/ attention.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P314 Get medical advice/attention if you feel unwell.  
P330 Rinse mouth.  
P331 Do NOT induce vomiting.  
P332+P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before re-use.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.

Precautionary statement codes - Storage:  
P405 Store locked up.

Precautionary statement codes - Disposal:  
P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

**Risk Phrase(s)** R36 Irritating to eyes.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrase(s)** S25 Avoid contact with eyes.  
S39 Wear eye/face protection.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Other ingredients determined not to be hazardous		60-100 %
	Manganese (II) sulphate monohydrate	7785-87-7	0-10 %
	Copper sulphate, pentahydrate	7758-99-8	0-10 %
	zinc sulfate	7733-02-0	0-10 %

### 4. FIRST AID MEASURES

<b>Inhalation</b>	If prolonged inhalation of dust occurs, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
<b>Ingestion</b>	Wash out mouth with water. If irritation develops and persists seek medical attention.
<b>Skin</b>	Wash affected area 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 station, safety shower and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use carbon dioxide, dry chemical or foam.
<b>Hazards from Combustion Products</b>	Burning produces obnoxious and toxic fumes.



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Product Name : MICROMAX MICRONUTRIENTS

**Special Protective Equipment for fire fighters** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA).  
**Specific Hazards** Dust clouds may be explosive.  
**Hazchem Code** 2X

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, and then transfer material to a suitable container. Use absorbent paper dampened with water to pick up remaining material. Wash surfaces well, with soap and water. Seal all wastes in vapour tight labelled plastic containers for eventual disposal. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage 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 with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available. 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 cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled containers. Keep containers tightly closed. Store away from water and incompatible materials. Have appropriate fire extinguishers available in and near the storage area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** 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** Not required. During industrial applications: Where ventilation is inadequate the use of an Air Purifying Respirator with a Organic Vapour filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.

**Eye Protection** The use of chemical goggles or safety glasses with side shield protection is recommended. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection** Where skin contact is likely to be prolonged or repeated impervious PVC or nitrile rubber gloves are recommended.

**Body Protection** Overalls or similar protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Tan granulate.

**Odour** Not available.

**Melting Point** Not available.

**Boiling Point** Not applicable.

**Solubility in Water** Slight.

**pH Value** Not available.

**Vapour Pressure** Not applicable.

**Vapour Density (Air=1)** Not applicable.

**Flash Point** Not applicable.

**Auto-Ignition Temperature** Not available.



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Flammable Limits - Not applicable.

Lower

Flammable Limits - Not applicable.

Upper

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions of use.

**Conditions to Avoid** Heat, direct sunlight, open flames or other sources of ignition.

**Incompatible Materials** Strong oxidising agents and acids.

**Hazardous Decomposition Products** Combustion produces caustic fumes.

**Hazardous Polymerization** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Inhalation** Inhalation of dust may cause irritation to the mucous membrane and upper airways.

**Ingestion** Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Ingestion of large quantities may depress the central nervous system.

**Skin** Skin contact may cause mechanical irritation resulting in redness and itching.

**Eye** Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

**Chronic Effects** Prolonged or repeated skin contact may cause defatting leading to dermatitis.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability** No data is available for this material.

**Mobility** No data is available for this material.

**Environ. Protection** Do not allow product to enter drains, waterways or sewers.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

## 14. TRANSPORT INFORMATION

**Transport Information** Australia:  
This material is classified as a Class 9 (Miscellaneous Dangerous Goods) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Dangerous goods of Class 9 (Miscellaneous Dangerous Goods) are incompatible in a placard load with any of the following:  
- Class 1, Explosive  
- Class 5.1, if the Class 9 substance is a fire risk substance  
- Class 5.2, if the Class 9 substance is a fire risk substance  
New Zealand:  
This material is classified as a Class 9 - Miscellaneous Substance according to NZS 5433:1999 Transport of Dangerous Goods on Land.  
Must not be loaded in the same freight container or on the same vehicle with:  
- Class 1, Explosives  
Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:  
(Note 3; Segregation devices may be used as to segregate dangerous goods of Class 9 when the nature of those dangerous goods requires them to be segregated from dangerous goods of);



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- Class 3, Flammable liquids
- Class 4.1, Flammable solids
- Class 4.2, Spontaneously combustible substances
- Class 4.3, Dangerous when wet substances
- Class 5.1, Oxidising substances
- Class 5.2, Organic peroxides
- Class 6.1, Toxic substances
- Class 6.2, Infectious substances
- Class 8, Corrosive substances

And are incompatible with food and food packaging in any quantity.

**U.N. Number** 3077  
**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. - (CONTAINS COPPER SULPHATE)  
**DG Class** 9  
**Hazchem Code** 2X  
**Packaging Method** 3.8.9  
**Packing Group** III  
**EPG Number** 9C1  
**IERG Number** 47

## 15. REGULATORY INFORMATION

**Regulatory Information** Australia:  
Classified as hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC).  
New Zealand:  
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.  
Group Standard:  
Fertilisers (Subsidiary Hazard) Group Standard 2006  
HSNO Approval Number: HSR002571  
**Poisons Schedule** Not Scheduled  
**Hazard Category** Irritant, Dangerous for the environment

## 16. OTHER INFORMATION

**Date of preparation or last revision of MSDS** MSDS created: March 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...