

DATE OF ISSUE 24<sup>TH</sup> DECEMBER 2007

**BARMAC INDUSTRIES PTY LTD**  
**BOX FLAT ESTATE, SWANBANK RD. SWANBANK Q 4306**

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME: BARMAC LINKS MICRO (Various Analyses)**  
**PHONE: (07) 3280 3000**  
**EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000**

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Not classified as hazardous by Worksafe Australia Criteria

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**IDENTIFICATION**

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**OTHER NAMES:** Nil  
**USE:** Fertilizer  
**UN NUMBER:** N/A  
**HAZCHEM CODE:** N/A  
**DANGEROUS GOODS CLASS:** N/A  
**POISONS SCHEDULE:** N/A

**PHYSICAL DESCRIPTION/PROPERTIES**

**APPEARANCE:** Pink Gray granule  
**FLASHPOINT (°C):** N/A  
**BOILING POINT (°C):** N/A  
**FLAMMABILITY LIMITS (%):** N/A  
**VAPOUR PRESSURE (\_\_\_):** N/A  
**SOLUBILITY IN WATER (g/L):** Coating is relatively insoluble  
**SPECIFIC GRAVITY:** N/A

**INGREDIENTS**

<b><u>CHEMICAL ENTITY</u></b>	<b><u>CAS NO</u></b>	<b><u>PROPORTION</u></b>
Ammonium Sulphate	7783-20-2	10 – 20%
Methylene Urea	13547-17-6	50%
Urea	57-13-6	10 – 35%
Monoammonium Phosphate	7722-76-1	< 5%
Potassium Sulphate	7778-80-5	10 – 40%

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**HEALTH HAZARD INFORMATION**

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**HEALTH EFFECTS**

**ACUTE:**

**SWALLOWED:** Ingestion of very large amounts may cause diarrhoea, nausea, vomiting and cramps.

**EYES:** May cause irritation to eyes.

**SKIN:** May cause skin irritation.

**INHALED:** Product should not cause any irritation under normal use patterns.

**CHRONIC:** Product is not listed as a carcinogen and no other effects are known.

**FIRST AID**

**SWALLOWED:** Swallowing small quantities is not normally harmful. Give large volumes of water. Induce vomiting or perform gastric lavage if large amounts ingested. Seek medical advice.

**EYES:** Flush eyes for 15 minutes with running water. If irritation persists consult a doctor.

**SKIN:** Wash thoroughly.

**INHALED:** Irritation from dust should cease once patient is removed from source of dust. If not seek medical advice.

**FIRST AID FACILITIES:** No special facilities required for this product.

**ADVICE TO DOCTOR:** Treat symptomatically

**PRECAUTIONS FOR USE**

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**EXPOSURE STANDARDS:** No exposure standards have been set for this product.

**ENGINEERING CONTROLS:** Provide local exhaust ventilation to reduce dust levels to less than permissible levels.

**PERSONAL PROTECTION:** None normally required. Eye protection is suggested so contact can be avoided. If airborne dust levels are high a dust mask is recommended to avoid inhalation.

**FLAMMABILITY:** Not flammable.

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**SAFE HANDLING INFORMATION**

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**STORAGE AND TRANSPORT:** Not classified as a dangerous good. Store in a cool, dry place, apart from herbicides and fungicides.

**SPILLS AND DISPOSAL:** Sweep up spills and apply in normal manner. If contamination of material renders it unusable dispose of at a landfill site approved by local authorities.

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**PHYSICAL HAZARD INFORMATION**

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Fire and Explosion

Flash point (Test Method): N/A  
Flammable Limits (% in Air): N/A  
Auto Ignition Temperature: N/A

Reactivity

Stability: Stable  
Hazardous Polymerization: Will not occur  
Conditions to Avoid: None known  
Hazardous Decomposition Products: Urea and methylene urea nitrogen sources can generate ammonia in a fire. Oxides of nitrogen, carbon, sulphur, phosphorus and potassium may also be generated.  
Chemical Incompatibilities: None known  
Unusual Fire, Explosion risks: Urea and methylene urea nitrogen sources can generate ammonia in a fire  
Reactivity Hazards: Oxides of nitrogen, carbon, sulphur, phosphorus and potassium may also be generated.  
Extinguishing Media: Dry chemical or select appropriate method of extinguishing surrounding fire.

In Case of Fire: Use self-contained air supply. Contain run-off as ingredients may be toxic to aquatic organisms.

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NOTICE: Information for this product is believed to be reliable, however buyer and user assume all risk of use, handling and storage whether in accordance with directions or not. Barmac Industries Pty Ltd and its agents give no guarantee or warranty of any kind express or implied concerning the use of this product and will not accept any responsibility whatsoever whether in contract or tort for any loss including consequential loss arising out of the use of this product or caused by this product.

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