

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

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME: BARMAC MANNI TURF ROOT BUILDER**

**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: N/A**

**USE: Micronutrient fertilizer**

**UN NUMBER: N/A**

**HAZCHEM CODE: N/A**

**DANGEROUS GOODS CLASS: N/A**

**POISONS SCHEDULE: N/A**

**PHYSICAL DESCRIPTION/PROPERTIES**

**APPEARANCE:** Light blue translucent liquid

**FLASHPOINT ( °C):** Does not flash.

**BOILING POINT ( °C):** N/A

**FLAMMABILITY LIMITS (%):** N/A

**VAPOUR PRESSURE (\_\_\_):** N/A

**SOLUBILITY IN WATER (g/L):** Miscible

**SPECIFIC GRAVITY:** N/A

**INGREDIENTS**

<b><u>CHEMICAL ENTITY</u></b>	<b><u>CAS NO</u></b>	<b><u>PROPORTION</u></b>
Magnesium Nitrate	10377-60-3	1.4
Manganese Nitrate	10377-66-9	1.9
Zinc Nitrate	7779-88-6	9.4

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**HEALTH HAZARD INFORMATION**

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**HEALTH EFFECTS**

**ACUTE:**

**SWALLOWED:** May cause stomach cramps and/or nausea.

**EYES:** May cause temporary eye irritation.

**SKIN:** May cause slight irritation, especially from prolonged exposure. May cause redness.

**INHALED:** None expected but inhalation may cause mild irritation of nasal mucous membranes.

**CHRONIC:** None Known

**FIRST AID**

**SWALLOWED:** If conscious and alert, administer water or milk to dilute, then induce vomiting. Call Poison Control Centre or physician immediately. Do not give anything by mouth to an unconscious person.

**EYES:** Rinse eyes with plenty of running water for at least 15 minutes. Get medical attention if irritation persists.

**SKIN:** Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.

**INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

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**PRECAUTIONS FOR USE**

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**EXPOSURE STANDARDS:**

**ENGINEERING CONTROLS:**

**PERSONAL PROTECTION:**

**EYES:** Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.

**SKIN:** Impervious gloves and clothes.

**RESPIRATORY:** Not normally needed. If used generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).

**VENTILATION:** Recommended but no TLV established

**FLAMMABILITY:** Non-flammable

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**SAFE HANDLING INFORMATION**

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**STORAGE AND TRANSPORT:**

**STORAGE:** Store in original container only in a cool, well-ventilated, dry place at temperatures between 40 and 95°F. Do not store near food or feeds. Do not stack pallets more than two high.

**TRANSFER EQUIPMENT:** Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc

**WORK/HYGIENIC PRACTICES:** Keep out of reach of children. Harmful if swallowed. Avoid breathing spray mists or vapours. Avoid contamination of feed or foodstuffs. After using this product remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water.

**SPILLS AND DISPOSAL:** Prevent product spillage from entering drinking water supplies or streams. Collect liquid or absorb onto absorbent material and package for disposal.

**FIRE/EXPLOSION HAZARD:** None

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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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