

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 MANCOZEB DG**  
**PHONE: (07) 3280 3000**  
**EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000**

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Classified as hazardous by Worksafe Australia Criteria

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**IDENTIFICATION**

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**OTHER NAMES: N/A**

**USE:** For the control of fungus diseases on turf, fruit, vegetables, peanuts, soybeans, tobacco and ornamentals.

**UN NUMBER: N/A**

**HAZCHEM CODE: N/A**

**DANGEROUS GOODS CLASS: N/A**

**POISONS SCHEDULE: 5**

**PHYSICAL DESCRIPTION/PROPERTIES**

**APPEARANCE:** A brown free flowing small granule

**FLASHPOINT ( ° C):** 137.8 ° C (open cup)

**BOILING POINT ( ° C):** N/A

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

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

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

**SPECIFIC GRAVITY:** N/A

**INGREDIENTS**

<b><u>CHEMICAL ENTITY</u></b>	<b><u>CAS NO.</u></b>	<b><u>PROPORTION</u></b>
Mancozeb	8018-01-7	75%
Inert Material	N/A	25%

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**HEALTH HAZARD INFORMATION**

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**HEALTH EFFECTS**

**ACUTE:**

**SWALLOWED:** Mancozeb itself has a very low acute toxicity. While this formulation has not been tested it is also expected to be low.

**EYES:** May cause discomfort and irritation to the eyes particularly in the dry state.

**SKIN:** Contact with skin not considered a hazard under normal use conditions although repeated exposure may cause irritation or dermatitis to susceptible individuals.

**INHALED:** Inhalation may cause irritation of nose, throat and other mucus membranes.

**CHRONIC:** Prolonged or frequent irritation may cause skin irritation, conjunctivitis and bronchitis. Prolonged exposure to the dust or mist of this and other products containing manganese can cause progressive poisoning. Symptoms are apathy, loss of balance and weakness. More advanced poisoning may show evidence of central nervous system disturbances.

**FIRST AID**

**SWALLOWED:** If swallowed contact a doctor or Poisons Information Centre.

**EYES:** Irrigate for 15 minutes with copious quantities of water holding eyelids open.

**SKIN:** Remove contaminated clothing and laundry before re-use. Wash affected area thoroughly with soap and water.

**INHALED:** Remove victim to fresh air. Seek medical advice.

**FIRST AID FACILITIES:** N/A

**ADVICE TO DOCTOR:** Treat symptomatically. Avoid giving alcohol as it may cause vomiting

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and shock.

### **PRECAUTIONS FOR USE**

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**EXPOSURE STANDARDS:** No exposure standards have been set for this product. The exposure standard for manganese, dust and compounds is 1 mg/m<sup>3</sup>, TWA

**ENGINEERING CONTROLS:** Use in a well-ventilated area only or provide local exhaust.

**PERSONAL PROTECTION:** Agricultural respirator should be worn during spraying operations. A gauze facemask suitable for toxic dusts or respirator should be worn when handling the dry material. Safety goggles or glasses, rubber or PVC gloves, long sleeves and trousers and suitable footwear are recommended.

**FLAMMABILITY:** Combustible. The active ingredient decomposes releasing carbon disulphide which will also burn.

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### **SAFE HANDLING INFORMATION**

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**STORAGE AND TRANSPORT:** Store away from food, feed or any other items intended for human or animal consumption. Store in a cool, dry place away from direct sunlight. Keep out of reach of children. Product is not classified as hazardous for road transport.

**SPILLS AND DISPOSAL:** Place spillages into suitable bags or drums. Do not allow product to enter drains, sewers or waterways. Dispose by industrial incineration or dumping at a site approved by local authorities.

**FIRE/EXPLOSION HAZARD:** May emit toxic fumes of sulphur and nitrogen oxides, carbon disulphide and ethylenediamine if involved in fires or subjected to extreme heat. Keep all non-essential personnel upwind. Firefighters and other people who may be exposed to fumes should wear self-contained breathing apparatus.

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**OTHER INFORMATION**

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**TOXICITY:**

Technical Mancozeb

Acute Oral Toxicity LD 50 (rats) >5000 mg/kg

Acute percutaneous LD 50 (rats) >10 000 mg/kg & (rabbit) .5 000 mg/kg

**Not toxic to birds.**

**Toxic to fish:**

LC50 (48 hours) goldfish 9.0mg/L, rainbow trout 2.2 mg/L, catfish 5.2 mg/L, carp 4.0 mg/L

**Toxic to bees:**

LC 50 0.193 mg/bee

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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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