

DATE OF ISSUE 26th JUNE 2008

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

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BARMAC TERRACLOR SOIL FUNGICIDE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Classified as hazardous by Worksafe Australia Criteria

IDENTIFICATION

OTHER NAMES: Quintozene (PCNB)

USE: Soil fungicide for control of soil borne diseases.

UN NUMBER: 3077

HAZCHEM CODE: 2X

DANGEROUS GOODS CLASS: 9

POISONS SCHEDULE: S5

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE: Fine ground powder with characteristic odour

FLASHPOINT (°C): N/A

BOILING POINT (°C): Not relevant

FLAMMABILITY LIMITS (%): N/A

VAPOUR PRESSURE (___): NA

SOLUBILITY IN WATER (g/L): Soluble in water

SPECIFIC GRAVITY: NA

FREEZING/MELTING POINT: NA

DENSITY: NA

VAPOUR DENSITY: NA

% VOLITILE BY VOLUME: NA

SOLUBILITY (OTHER): NA

PARTITION COEFFICIENT (O/W): NA

pH: NA

EVAPORATION RATE: N/A

DATE OF ISSUE 26th JUNE 2008

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

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BARMAC TERRACLOR SOIL FUNGICIDE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Classified as hazardous by Worksafe Australia Criteria

INGREDIENTS

<u>CHEMICAL ENTITY</u>	<u>CAS NO</u>	<u>PROPORTION</u>
Quintozene	82-68-8	75%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE:

SWALLOWED: Slightly toxic. May cause fatigue or dizziness.

EYES: Contact with eyes may cause slight irritation.

SKIN: May be moderately toxic by dermal exposure.

INHALED: Individuals with respiratory problems should avoid inhalation exposure.

CHRONIC: Long term exposure to quintozene may cause liver damage. Repeated, minimal contact with skin may cause sensitization.

FIRST AID

If poisoning occurs contact a doctor or Poison Information Centre. Phone Australia 131 126

SWALLOWED: If patient is fully conscious, administer a large glass of water. Seek medical advice.

DATE OF ISSUE 26th JUNE 2008

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

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BARMAC TERRACLOR SOIL FUNGICIDE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Classified as hazardous by Worksafe Australia Criteria

EYES: Hold eye(s) open and flush with water for 15 minutes. Seek medical advice.

SKIN: Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical advice.

INHALED: Remove to fresh air. Seek medical advice.

FIRST AID FACILITIES: Eye wash station.

ADVICE TO DOCTOR: Treat symptomatically.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS: Recommended hygiene standard (TWA) for quintozone by the National Occupational Health and Safety Commission is = 0.5mg/m³.

ENGINEERING CONTROLS: Sufficient ventilation to minimise dust exposure. Ensure ventilation is adequate to maintain air concentrations below quintozone exposure standard. Protect closed dust handling systems against possible dust explosions. Avoid dust accumulations on building or equipment surfaces. Keep containers closed when not in use.

PERSONAL PROTECTION: Avoid all personal contact. When using, do not eat, drink or smoke. Wear elbow-length PVC gloves and a face shield. In the absence of adequate ventilation, use a respirator fitted with agriculture chemical cartridge(s). After use and before eating, drinking, smoking or using the toilet, wash hands, arms and face thoroughly with soap and water. Launder clothing before storing or re-using

FLAMMABILITY: Not flammable under conditions of use.

DATE OF ISSUE 26th JUNE 2008

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

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BARMAC TERRACLOR SOIL FUNGICIDE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Classified as hazardous by Worksafe Australia Criteria

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT:

Dangerous Good Class: 9-Miscellaneous

Correct Shipping Name: Environmentally Hazardous Substances, Solid, N.O.S. (contains Quintozene) marine pollutant.

Packaging Group: III

Store and transport in accordance with the Australian Code for the Transport of Dangerous Goods Code, 25th amendment).

This material is a Scheduled Poison (S5) and must be stored, maintained and used in accordance with the relevant regulations. Store in original container, away from seeds, fertilisers, animal and human feedstuffs, strong oxidizing agents and sources of direct heat. Keep dry and out of direct sunlight. Store below 40°C. Keep containers closed when not in use.

SPILLS: Vacuum up to avoid creating dust. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined above. Do not contaminate watercourses or drains with the product or containers. Do not reuse the container for any purpose. If there is contamination of crops or waterways, advise emergency services or State Department.

DISPOSAL: **For disposal after intended use:** Break, crush or puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

For disposal after accident or spill: Dispose of sealed containers at an approved local waste disposal site.

FIRE/EXPLOSION HAZARD: Not flammable. Although, in case of fire. Protect against inhalation of combustion products. On combustion, there may be production of phosgene, hydrogen chloride and oxides of nitrogen. Reacts with strong oxidizing agents. May form explosive dust-air mixtures.

DATE OF ISSUE 26th JUNE 2008

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

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BARMAC TERRACLOR SOIL FUNGICIDE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Classified as hazardous by Worksafe Australia Criteria

EXTINGUISHING MEDIA: Water spray or dry chemical. Contain runoff.

OTHER INFORMATION

ENVIRONMENTAL HAZARDS:

Not toxic to bees. Not toxic to birds. Toxic to fish.

Rainbow Trout LC₅₀ = 0.55 mg/L

Bluegill Sunfish LC₅₀ = 0.1 mg/L

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.
