

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 WETTABLE SULPHUR**  
**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:** Fungicide.  
**UN NUMBER:** N/A  
**HAZCHEM CODE:** N/A  
**DANGEROUS GOODS CLASS:** N/A  
**POISONS SCHEDULE:** N/A

**PHYSICAL DESCRIPTION/PROPERTIES**

**APPEARANCE:** Brown free flowing powder. Mild odour.  
**FLASHPOINT ( ° C):** Not flammable  
**BOILING POINT ( ° C):** Sulfur boils at 445°C at 100kPa  
**FLAMMABILITY LIMITS (%):** N/A. This product is not flammable  
**VAPOUR PRESSURE (\_\_\_):** Check Boiling Point.  
**SOLUBILITY IN WATER (g/L):** Dispersible  
**SPECIFIC GRAVITY:** No data. Bulk density about 0.9.  
**VOLATILE MATERIALS:** No specific data. Expected to be low at 100°C  
**CORROSIVENESS:** Not corrosive. pH of 1% solution in water at 20°C is 4-6

**INGREDIENTS**

<b><u>CHEMICAL ENTITY</u></b>	<b><u>CAS NO.</u></b>	<b><u>PROPORTION</u></b>
Sulfur	7704-34-9	80%
Lignin Sulfonate	No Data	No Data
Silicic Acid	No Data	No Data

These ingredients add up to 20%  
This is a commercial product  
whose exact ratio of components  
may vary. Trace quantities of  
impurities are also likely.

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**HEALTH HAZARD INFORMATION**

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**HEALTH EFFECTS:**

No specific data is available for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995)

**ACUTE:**

**SWALLOWED:** Data suggests that this product should present no significant problems to typical persons in normal use. May cause flatulence and diarrhoea.

**EYES:** Data suggests that this product should present no significant problems to typical persons in normal use.

**SKIN:** Data suggests that this product should present no significant problems to typical persons in normal use

**INHALED:** Data suggests that this product should present no particular problems to typical persons in normal use.

LD<sub>50</sub> Oral (Rat) >5,000mg/kg

**CHRONIC:** N/A

**FIRST AID:**

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If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 11 26 from anywhere in Australia.

**SWALLOWED:** Swallowing small quantities is not normally harmful. If swallowed, do NOT induce vomiting. Give a glass of water.

**EYES:** Hold eyes open, flood with water for 15 minutes and see a doctor. No further measures should normally be required.

**SKIN:** Wash with soap and water. No further measures should normally be required.

**INHALED:** No first aid measures normally required. However, if vapours or dusts have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

**FIRST AID FACILITIES:**

**ADVICE TO DOCTOR:** Treat symptomatically. Note the nature of this product

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**PRECAUTIONS FOR USE**

**EXPOSURE STANDARDS:** A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

**ENGINEERING CONTROLS:** In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

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**PERSONAL PROTECTION:** When using do not eat, drink or smoke. Wash thoroughly before smoking, eating or using toilet facilities. When using the material always wear protective overalls with close fit at neck and wrists, protective gloves and chemical gloves. In dusty conditions a dust respirator approved to AS1716 should be worn.

**FLAMMABILITY:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

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**SAFE HANDLING INFORMATION**

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**STORAGE AND TRANSPORT:** No special storage and transport requirements. This product has no UN classification. Not a Scheduled Poison. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under “ Materials to avoid” below. Do not store bags in more than 8 layers, and do not stack pallets.

**SPILLS AND DISPOSAL:** Minor spills do not normally need any special clean up measures. In the event of a major spill, prevent spillage from entering drains and water courses. No special protective clothing is normally necessary. However use judgement and take care. Stop leak if safe to do so. And contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area preventing run off from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved land fill. Dispose of only in accord with all regulations.

**FIRE/EXPLOSION HAZARD:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam, water fog. Avoid using water jets as this may promote steam explosion.

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**SPECIAL FIRE- FIGHTING PROCEDURES:** When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and self contaminated breathing apparatus. All skin areas should be covered.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Fire decomposition products from this product may form toxic and corrosive mixtures in confined spaces. This product may form flammable or explosive dust clouds in air.

**STABILITY:** This product is unlikely to spontaneously decompose.

**POLYMERISATION:** This product is unlikely to spontaneously polymerise.

**DECOMPOSITION PRODUCTS:** Oxides of sulfur (Sulfur dioxide is a respiratory hazard)

**MATERIALS TO AVOID:** Strong agents, copper, copper oxide. May form shock-sensitive mixtures with chlorates, nitrates, perchlorates and permanganates.

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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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