

DATE OF ISSUE 9th April 2009

**BARMAC INDUSTRIES PTY LTD  
3 MARY ST, BLACKSTONE Q 4304**

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME: BARMAC MAGNESIUM SULPHATE**  
**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:** MAGNESIUM SULPHATE MONOHYDRATE MAGNESIUM MESOSULFATE SULFURIC ACID, MAGNESIUM SALT (1:1), MONOHYDRATE

**USES:** Fire-proofing, textiles (warp-sizing and loading cotton goods, weighing silk, dyeing and calico printing), mineral waters, catalyst carrier, ceramics, fertilizers, paper (sizing), cosmetic lotions, dietary supplement

**UN NUMBER:** N/A

**HAZCHEM CODE:** N/A

**DANGEROUS GOODS CLASS:** N/A

**POISONS SCHEDULE:** N/A

**SUBSIDIARY RISK:** N/A

**PHYSICAL DESCRIPTION/PROPERTIES**

**APPEARANCE:** white opaque needles, crystals

**FORMULA:** H<sub>2</sub>O<sub>4</sub>S.H<sub>2</sub>O.Mg

**BOILING POINT (°C):** N/A

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

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

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

**SPECIFIC GRAVITY:** N/A

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**INGREDIENTS**

<b><u>CHEMICAL ENTITY</u></b>	<b><u>CAS NO.</u></b>	<b><u>PROPORTION</u></b>
MAGNESIUM SULPHATE MONOHYDRATE	[14168-73-1]	100%

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**HEALTH HAZARD INFORMATION**

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**HEALTH EFFECTS**

**ACUTE:**

**SWALLOWED:** Ingestion of this product may cause flushing of the skin, thirst, hypotension, loss of reflexes and respiratory depression.

**EYES:** May cause mechanical irritation of the eyes

**SKIN:** Contact with skin may result in irritation.

**INHALED:** Inhalation of this product may irritate the upper respiratory tract.

**FIRST AID**

**SWALLOWED:** Give water to drink if the amount ingested exceeds the medical dose (5g), seek medical attention

**EYES:** Irrigate the affected eye with 1% sodium chloride solution or cold running water and if irritation persists, seek medical attention.

**SKIN:** Remove contaminated clothing. Wash the affected area with water and soap. If irritation persists, seek medical attention.

**INHALED:** Remove from exposure to fresh air. If rapid recovery does not occur, seek medical attention.

**ADVICE TO DOCTOR**

Treat symptomatically based on judgement of doctor and individual reactions of patient.

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**PRECAUTIONS FOR USE**

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**EXPOSURE STANDARDS:** No exposure limit has been assigned to this material. However, the exposure standard for dust not otherwise specified is 10mg/m<sup>3</sup> (for inspirable dust) and 3mg/m<sup>3</sup> (for respirable dust)

**ENGINEERING CONTROLS:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

**PERSONAL PROTECTION:** RESPIRATOR: Wear a dust mask where dust is likely to be encountered. EYES: Chemical glasses recommended. HANDS: Latex or neoprene gloves. CLOTHING: Overalls or similar protective apparel.

**FLAMMABILITY:** Product is non-flammable

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**SAFE HANDLING INFORMATION**

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**STORAGE AND TRANSPORT:** Ensure an eye bath and safety shower are available and ready for use. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Store in a cool, dry, well-ventilated area. Keep containers tightly sealed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect from physical damage. Store away from incompatible materials including sources of ignition.

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**SPILLS AND DISPOSAL:** Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and hold for disposal. Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Ensure that walking surfaces are not slippery before walking on them. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management Authority.

**FIRE/EXPLOSION HAZARD:** Product is non-flammable. Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

**EXTINGUISHING MEDIA** In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions.

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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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