

DATE OF ISSUE: 24TH DECEMBER 2007

**BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306
MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: Hi Cal

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as Hazardous by Worksafe Australia Criteria

IDENTIFICATION

OTHER NAMES: None

USE: Fertiliser (soil nutrient)

UN NUMBER: Not applicable

HAZCHEM CODE: Nil

DANGEROUS GOODS CLASS: Not applicable

POISONS SCHEDULE: Exempt

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE: White to grey granule

FLASHPOINT (° C): None

BOILING POINT (° C): Not applicable

FLAMMABILITY LIMITS (%): None

VAPOUR PRESSURE (___): Not applicable

SOLUBILITY IN WATER (g/L): Almost insoluble in water

BULK DENSITY: 1 550 – 1 875 kg/m³

INGREDIENTS

<u>CHEMICAL ENTITY</u>	<u>CAS NO</u>	
Calcium carbonate	471-34-1	> 98.0%
Silicon dioxide	63231-67-4	< 1.0%
Aluminium oxide	1344-28-1	< 0.5%
Magnesium oxide	1309-48-4	< 0.5%
Ferric oxide	1309-37-1	< 0.5%

HEALTH HAZARD INFORMATION

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HEALTH EFFECTS: Not considered to be a health hazard under normal circumstances. Data relates to individual components. No data available for mixture.

ACUTE: Not applicable

SWALLOWED: Ingesting of very large amounts may cause irritability, diarrhoea, nausea, vomiting, dehydration and constipation. Estimated lethal dose for an adult is over 1 kg.

EYES: Can cause mild irritation to eyes. Risk of mechanical scratching to the eye surface.

SKIN: No harmful effects reported.

INHALED: May cause irritation to the nose and throat.

CHRONIC: Regular ingestion of more than 8 g/day (calcium carbonate) reported to cause blood and kidney disorders. (LD₅₀: calcium carbonate 6 450 mg/kg oral, rat)

FIRST AID

SWALLOWED: Do not induce vomiting. Give a glass of water

EYES: Hold eye open, flood with copious amounts of water for 15 minutes and see a doctor.

SKIN: A small amount of skin contact is not normally harmful. Remove contaminated clothing and wash skin thoroughly with soap and water. Launder contaminated clothing before re-use.

INHALED: Inhalation is not normally harmful. Recovery is rapid after removal from exposure. If symptoms are experienced, remove source of contamination or remove victim to fresh air.

PRECAUTIONS FOR USE

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EXPOSURE STANDARDS: NOHSC has set a TLV-TWA exposure standard for calcium carbonate of 10 mg/m³.

ENGINEERING CONTROLS: Consider local mechanical exhaust/extraction to keep airborne contamination below TLV.

PERSONAL PROTECTION: When using do not eat, drink or smoke. Wash thoroughly before smoking, eating or using toilet facilities. Wear overalls, boots, gloves, dust masks and safety goggles. Where high concentrations of airborne dust is present, respirators conforming to AS1716 should be worn.

FLAMMABILITY: Non flammable.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT: Not classified as dangerous goods. Store in a cool place. Store apart from acids, aluminium and ammonium salts.

SPILLS AND DISPOSAL: Small spills can be swept for re-use. Or can be sluiced away with large quantities of water to drains. Large spills, (>100kg), should be swept up and shovelled into containers for reclamation. Add any broken packages to the container. Sluice down the spill area with large quantities of water. Do not contaminate streams, rivers or water courses.

FIRE/EXPLOSION HAZARD: Non flammable. For fires involving this material decomposition may give rise to calcium oxide and calcium dioxide. May react with acids generating carbon dioxide. Spray water on decomposing mass and fight fire upwind if outdoors.

OTHER INFORMATION: Stable under ordinary conditions of use and storage.

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.