

DATE OF ISSUE: 24TH DECEMBER 2007

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

PRODUCT NAME: BARMAC AUTOFERT K Si

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as Hazardous by Worksafe Australia Criteria

IDENTIFICATION

OTHER NAMES: Barmac Autofert K Si

USE: Fertiliser (soil nutrient)

UN NUMBER: Not applicable

HAZCHEM CODE: Nil

DANGEROUS GOODS CLASS: Not applicable

POISONS SCHEDULE: Exempt

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE: Blue, purple liquid

FLASHPOINT (° C): Non flammable

BOILING POINT (° C): No data

FLAMMABILITY LIMITS (%): Not applicable

VAPOUR PRESSURE (___): Not applicable

SOLUBILITY IN WATER (g/L): Miscible

SPECIFIC GRAVITY: N / A

pH: Approximately 11.6

INGREDIENTS

CHEMICAL ENTITY

CAS NO

Water

7732-18-5

Silicic acid, potassium salt; Potassium

1312-76-1

Silicate

DATE OF ISSUE: 24TH DECEMBER 2007

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

PRODUCT NAME: BARMAC AUTOFERT K Si

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as Hazardous by Worksafe Australia Criteria

HEALTH HAZARD INFORMATION

HEALTH EFFECTS: Not considered to be a health hazard under normal circumstances

ACUTE: Not applicable

SWALLOWED: May cause irritation to mouth, esophagus and stomach

EYES: Can cause moderate irritation to eyes.

SKIN: Mildly irritating to skin. If exposed to frequent and prolonged contact it can cause dermatitis or skin irritations. No effect should occur if the product is promptly washed off.

INHALED: If the product is present in high concentrations of airborne dust, prolonged contact may cause irritation to the nose and throat.

CHRONIC: No known chronic hazard. Not listed by NTP, IARC or OSHA

FIRST AID

SWALLOWED: If swallowed immediately rinse mouth out with water. Seek medical advice.

EYES: Hold eye open, flood with copious amounts of water for 15 minutes and see a doctor. It is recommended that permanent or mobile eye wash stations be provided when handling this product.

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.

FIRST AID FACILITIES: It is important to have eye irrigation stations in areas where contact with Barmac

DATE OF ISSUE: 24TH DECEMBER 2007

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

PRODUCT NAME: BARMAC AUTOFERT K Si

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as Hazardous by Worksafe Australia Criteria

Autofert K Si is a hazard.

ADVICE TO DOCTOR: Treat symptomatically, as for strong acids. Consult poisons information centre.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS: No exposure limit has been assigned to this product. Where no specific exposure standard has been assigned, the recommended exposure level for dust in general shall be 10mg/m₃ measured as inspirable dust. The exposure limit is expressed as a time weighted average (TWA) concentration over an eight hour working shift, for a 5 day working week, and is the limit recommended by the supplier of this material.

ENGINEERING CONTROLS: No special ventilation is required.

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. Avoid inhaling dust. 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 combustible materials, herbicides and fungicides and foodstuffs.

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, (>100 L), 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 toxic and noxious fumes. Spray water on decomposing mass and fight fire upwind if outdoors. In smoke or fumes wear self-contained breathing apparatus. Do not use more water than is necessary and contain run off. Advise Fire Brigade of nature of hazard.

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

DATE OF ISSUE: 24TH DECEMBER 2007

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

PRODUCT NAME: BARMAC AUTOFERT K Si

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as Hazardous by Worksafe Australia Criteria

Materials to avoid: Gels and generates heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminium, tin, lead, and zinc.

Hazardous decomposition products: Hydrogen

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.