

MATERIAL SAFETY DATA SHEET

BARMAC AUTOFERT SILICA

1. IDENTIFICATION OF MATERIAL

PRODUCT NAME	AUTOFERT SILICA
OTHER NAMES	N/A
USE	Fertiliser
SUPPLIER	BARMAC PTY LTD ABN 21009674953
ADDRESS	3 MARY STREET BLACKSTONE QUEENSLAND 4304
EMERGENCY PHONE	(07) 3280 3000

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION: Not classified as hazardous by Worksafe Australia Criteria

RISK PHRASES: R36/37/38 (Irritating to eyes, respiratory system and skin)

SAFETY PHRASES: See section 4, 5, 6, 7, 8, and 11

3. COMPOSITON/INFORMATION ON INGREDIENTS

<u>CHEMICAL ENTITY</u>	<u>CAS NO</u>	<u>PROPORTION</u>
Water	7732-18-5	
Silicic acid, potassium salt; Potassium silicate	1312-76-1	

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4. FIRST AID MEASURES

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: Provide eye wash and shower facilities in workplace.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: No specific extinguishing media

HAZARDS FROM COMBUSTING PRODUCTS: Hydrogen

PRECAUTIONS FOR FIRE FIGHTERS: Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Contain any liquid run off.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: 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.

7. HANDLING AND STORAGE

STORAGE: Store in a cool place. Store apart from combustible materials, herbicides and fungicides and foodstuffs.

FLAMMABILITY: Not Flammable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

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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 concentration of airborne dust is present, respirators conforming to AS1716 should be worn.

9. PHYSICAL AND CHEMICAL 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

10. STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions for use and storage.

CONDITIONS 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.

INCOMPATIBILITY: acids

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

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.

INGESTION: May cause irritation to mouth, esophagus and stomach

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

12. ECOLOGICAL INFORMATION

No ecological hazards expected

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13. DISPOSAL CONSIDERATIONS

Dispose of waste according to local, state and federal regulations for non hazardous waste. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

14. TRANSPORT INFORMATION

Not classified as a Dangerous Good for transport.

UN NUMBER: N/A

HAZCHEM CODE: N/A

DANGEROUS GOODS CLASS: N/A

POISONS SCHEDULE: N/A

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

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 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.
