

MATERIAL SAFETY DATA SHEET

BARMAC KEY – EL MANGANESE

1. IDENTIFICATION OF MATERIAL

PRODUCT NAME **BARMAC KEY-EL MANGANESE**

OTHER NAMES N/A

USE Fertiliser (micronutrient)

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

R22 Harmful if swallowed.

R36 Irritating to eyes.

R40 Limited evidence of a carcinogenic effect.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL ENTITY</u>	<u>CAS NO</u>	<u>% by weight</u>
Trisodium nitrilotriacetate	5064-31-3	<5%

4. FIRST AID MEASURES

SWALLOWED: May cause digestive tract irritation, with accompanying nausea, vomiting and diarrhoea. Have the individual drink several glasses of water but DO NOT induce vomiting. If intestinal tract irritation persists, obtain medical attention.

EYES: May cause eye irritation. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Obtain medical attention if irritation persists.

SKIN: May cause skin irritation. Wash contaminated skin with soap and water. If irritation persists, obtain medical attention. Wash contaminated clothing before re-using.

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INHALED: Inhalation of large quantities of dust may cause lung irritation and coughing. Allow individuals to rest in a well ventilated area. Seek medical attention if irritation persists or if not feeling well.

FIRST AID FACILITIES

Provide eye wash and shower facilities in workplace.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray. Do not use high volume water jet.

HAZARDS FROM COMBUSTING PRODUCTS

Carbon and nitrogen oxides

PRECAUTIONS FOR FIRE FIGHTERS

Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation.

6. ACCIDENTAL RELEASE MEASURES

SPILLS

Collect spilled product in labelled containers and store to re-use.
Prevent spill from entering sewage systems, ground and surface water.

7. HANDLING AND STORAGE

STORAGE

Store in a dry place away from humid conditions. If an entire sachet is not used, return unused contents of sachet to container and keep container tightly closed. Keep out of reach of children. Keep away from food, drink and animal feed.

HANDLING

Avoid creating dust. Do not breathe dust or ingest product. After handling, always wash hands thoroughly with soap and water. Do not eat, drink or smoke while handling product.

FLAMMABILITY

Product is not flammable.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS

No information available.

ENGINEERING CONTROLS

Local exhaust ventilation may be necessary to control any air contaminants to within the occupational exposure limits during the use of this product. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.

PERSONAL PROTECTION

Eye protection with side shields, plastic or rubber gloves and light weight protective clothing may be required to prevent skin and eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Dry, white-pink powder

FLASHPOINT (°C): Non flammable

BOILING POINT (°C): Not applicable

FLAMMABILITY LIMITS (%): Not applicable

VAPOUR PRESSURE (___): Not applicable

SOLUBILITY IN WATER (g/L): approx. 150 g/L

SPECIFIC GRAVITY: Not applicable

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage conditions.

CONDITIONS TO AVOID

Extreme temperatures (100°C) and humidity.

INCOMPATIBILITY

Strong oxidizers and bases

HAZARDOUS DECOMPOSITION PRODUCTS

None expected under recommended storage conditions.

HAZARDOUS POLYMERIZATION

Will not occur.

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11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

SWALLOWED: Ingestion may result in stomach irritation causing nausea, vomiting, diarrhea and may include fever, chills, muscle ache, cough, weakness, metallic or sweet taste, abdominal pain, gastrointestinal bleeding, and shock. Liver or kidney damage may develop after several days in the event of massive overexposure.

EYES: May cause irritation

SKIN: May cause irritation

INHALED: May cause irritation.

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Contaminated product and/or environmental media should be recovered and disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

Product should be transported in accordance with appropriate legislation. Product is not classified as dangerous for transportation by road in Australia.

UN NUMBER: Not applicable

HAZCHEM CODE: Nil

DANGEROUS GOODS CLASS: Not applicable

POISONS SCHEDULE: Exempt

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.
