



MATERIAL SAFETY DATA SHEET

MAG-I-NITE PRILLS FERTILISER

Date of Issue: January 01, 2011

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: **Mag-I-Nite Prills Fertiliser**
Recommended use: Fertiliser
Supplier: Campbells Fertilisers Australasia
Address: 18 Raymond Road, Laverton North, Victoria, 3026
Telephone: (03) 9931 2211
Facsimile: (03) 9931 2201
Website: www.campbellsfert.com.au
Contact:
Emergency Telephone Number: **0011 972 4 8469611**

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE - DANGEROUS GOODS

Hazard designation: Based on available information, not classified as hazardous according to the criteria of NOHSC.
Risk phrases: Not applicable.
Safety phrases: Not applicable.
ADG classification: This product is classified as a Class 5.1 Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.
SUSDP classification: Exempt

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (%):
Non-hazardous ingredients		



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4. FIRST AID MEASURES

- Inhalation:** Remove victim to fresh air. If effects occur, seek medical advice.
- Skin contact:** Promptly wash with soap and water for at least 15 minutes while removing contaminated clothing. Wash contaminated clothing before re-use.
- Eye contact:** Flush immediately and continuously with flowing water for at least 30 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
- Ingestion:** Give large quantities of water and induce vomiting. Seek medical attention.
- First Aid Facilities:** Ensure washing facilities are available and maintained.

5. FIRE FIGHTING MEASURES

- Extinguishing media:** Water spray or jets
- Hazards from combustion products:** Decomposes on heating emitting toxic fumes including those of nitrogen oxide.
- Precautions for fire fighters:** Wear full protective clothing. Use self-contained air supply to protect from nitrogen oxides. Potassium nitrate is an oxidiser and therefore increases the intensity of any fire and the possibility of an explosion.

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Contain material. Pick-up material and store in plastic bags, away from combustibles. Do not contaminate streams, rivers or waterways. Dispose of in approved landfill in accordance with state, federal and local regulations.

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7. HANDLING AND STORAGE

Handling: Avoid excessive generation of dust. Avoid contact with eyes and skin. Avoid breathing dust. Use with adequate ventilation. Wear gloves when handling the product over long periods.

Storage: Keep out of reach of children. Store in a cool, dry place and away from combustible materials and reducing agents. Storage area should be well ventilated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

Engineering controls: General ventilation. Local exhaust ventilation is recommended to avoid breathing dust. Keep containers closed when not in use.

Personal Protective Equipment:

Eyes:
Safety glasses with side-shields.

Gloves:
Avoid prolonged contact with skin; wear impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet.

Respiratory:
Use an approved dust respirator to protect from dust if conditions warrant.

Other:
Body-covering clothing.

Other Use Precautions: Shower after handling. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white granules

Odour: Not available

Vapour pressure: Not applicable

Vapour density: Not available

Boiling point: decomposes > 400 °C

Melting point: 333 °C

Solubility: very soluble

Density: 2.1 g/cm³

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pH:	8 to 11 (10% solution in water)
Molecular Weight:	102
Flash Point:	> 150 °C
Flammability (explosive) limits:	Not flammable
Auto-ignition temperature:	Not available
Octanol/water partition coefficient:	Not available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable in normal use and storage
Hazardous polymerisation:	Will not occur.
Conditions to avoid:	Violent reactions (including fire and explosion) may occur upon contact with organic materials, combustible materials and reducing agents.
Incompatible materials:	Corrosive to metals. Specific incompatibilities under various conditions include aluminium, titanium, antimony, germanium, zinc, zirconium, calcium disilicide, chromium nitride, metal sulphides, boron, carbon, sulfur, phosphorus, phosphides, sodium phosphinate, sodium thiosulfate, citric acid, tin chloride, sodium acetate, thorium carbide.
Hazardous decomposition products:	Nitrogen oxides

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Information on Product:

Inhalation:	Dust may be irritating.
Skin contact:	Normally non-hazardous. Repeated or prolonged skin contact may cause irritation.
Eye contact:	Dust may cause mild irritation and burn.
Ingestion:	Swallowing large amounts may cause nitrate poisoning.
Other:	No other known health effects.

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Signs and symptoms of exposure: Small amounts: weakness, general depression, headache and mental impairment
Large amounts: dizziness, abdominal cramps, vomiting, bloody diarrhoea, weakness, convulsions and collapse

Chronic: None known

Information on Components: Not available

Acute:

Oral toxicity: Not available
Dermal toxicity: Not available
Inhalation toxicity: Not available
Skin irritation: Not available
Eye irritation: Not available
Sensitisation: Not available

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways with product.

Environmental fate: No data available
Mobility: No data available
Persistence / degradation: No data available
Ecotoxicological Information: No data available

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method:

Depending on degree or nature of contamination, dispose of by use as a fertiliser on farm or to an authorised waste facility.

Contaminated Packaging:

Empty containers must be handled according to local regulations.

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14. TRANSPORT INFORMATION

UN number: 1486
Proper shipping name: POTASSIUM NITRATE
Class and Subsidiary Risk: CLASS 5.1
Packing Group: III
EPG: 5A1
Hazchem code: 1[T]

15. REGULATORY INFORMATION

Based on available information, not classified as hazardous according to criteria of Worksafe Australia.

Poisons Schedule (Aust)/Toxic Substance (NZ): Exempt

16. OTHER INFORMATION

Trademark information: Mag-I-Nite is a Registered Trademark of Campbells Fertilisers Australasia

Preparation information: Prepared by Campbells Fertilisers Australasia

Data sources: Supplier MSDS

END OF MSDS