



# MATERIAL SAFETY DATA SHEET

## MAGNESIUM NITRATE FERTILISER

Date of Issue: January 01, 2011

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

**Product name:** **Magnesium Nitrate 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](http://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

<b>Inhalation:</b>	Remove victim to fresh air. If effects occur, seek medical advice.
<b>Skin contact:</b>	Promptly wash with soap and water for at least 15 minutes while removing contaminated clothing. Wash contaminated clothing before re-use.
<b>Eye contact:</b>	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.
<b>Ingestion:</b>	Give large quantities of water and induce vomiting. Seek medical attention.
<b>First Aid Facilities:</b>	Ensure washing facilities are available and maintained.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Water spray or jets
<b>Hazards from combustion products:</b>	Decomposes on heating emitting toxic fumes including those of nitrous and nitric oxide.
<b>Precautions for fire fighters:</b>	Magnesium Nitrate is a moderate oxidiser. Wear full protective clothing. Use self-contained breathing apparatus with full face piece operated in positive pressure mode, to protect from toxic fumes. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

### 6. ACCIDENTAL RELEASE MEASURES

Wear self-contained breathing apparatus and full protective clothing. Keep combustibles (wood, paper, oil etc.) away from spilled materials. Carefully place material into clean, dry containers and cover; remove from area. Flush spilled area with water. Do not contaminate streams, rivers or waterways. Dispose of material 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 flakes

**Odour:** Not available

**Vapour pressure:** Not applicable

**Vapour density:** Not available

**Boiling point:** Not available

**Melting point:** 89 °C

**Solubility:** Not available

**Density:** 0.7 g/cm<sup>3</sup>

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<b>pH:</b>	5.5 to 6.5 (1% solution in water)
<b>Molecular Weight:</b>	102
<b>Flash Point:</b>	Not available
<b>Flammability (explosive) limits:</b>	Not flammable
<b>Auto-ignition temperature:</b>	Not available
<b>Octanol/water partition coefficient:</b>	Not available

### 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable in normal use and storage
<b>Hazardous polymerisation:</b>	None
<b>Conditions to avoid:</b>	Avoid contact with organic materials, combustible materials and heat.
<b>Incompatible materials:</b>	Oxidisable materials such as organic compounds and reducing agents.
<b>Hazardous decomposition products:</b>	Nitrous and nitric oxides

### 11. TOXICOLOGICAL INFORMATION

#### POTENTIAL HEALTH EFFECTS

##### Information on Product:

<b>Inhalation:</b>	Dust may be irritating.
<b>Skin contact:</b>	Normally non-hazardous. Repeated or prolonged skin contact may cause irritation.
<b>Eye contact:</b>	Dust may cause mild irritation and burn.
<b>Ingestion:</b>	Swallowing large amounts may have serious or even fatal effects.
<b>Other:</b>	No other known health effects.
<b>Signs and symptoms of</b>	Small amounts: weakness, general depression, headache and mental impairment Large amounts: dizziness, abdominal cramps, vomiting, bloody diarrhoea,

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**exposure:** weakness, convulsions and collapse

**Chronic:** local: unknown  
systems: Ingestion - moderate  
Inhalation - moderate

**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:** 1474  
**Proper shipping name:** Magnesium nitrate Hexahydrate  
**Class and Subsidiary Risk:** 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:**

**Preparation information:** Prepared by Campbells Fertilisers Australasia

**Data sources:** Supplier MSDS

END OF MSDS