



MATERIAL SAFETY DATA SHEET

AQUA-FERT CALCIUM NITRATE FERTILISER

Date of Issue: January 01, 2011

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Aqua-Fert[®] Calcium Nitrate Fertiliser
Recommended use: Liquid 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: (03) 9931 2211 (business hours only 8.30 to 5.00)

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD

Hazard designation: Based on available information, not classified as hazardous according to the criteria of NOHSC.
Risk phrases: Harmful if Swallowed
Safety phrases: Keep out of reach of children. Avoid contact with eyes and skin. Wear Suitable protective clothing and gloves.
ADG classification: This product is not classified as a 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 (g/kg):
Non-hazardous ingredients		

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4. FIRST AID MEASURES

Inhalation:	Unlikely to occur. Remove person from exposure. Seek medical advice if effects persist.
Skin contact:	Remove contaminated clothing. Wash skin with running water. If irritation occurs, seek medical advice.
Eye contact:	In case of contact, immediately flush eyes with copious quantities of water for at least 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Ingestion:	Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical advice.
First Aid Facilities:	Ensure washing facilities are available and maintained.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water jets or water spray (large quantities), dry chemical powder, carbon dioxide.
Hazards from combustion products:	May emit irritating, poisonous or corrosive fumes.
Precautions for fire fighters:	Self-contained breathing apparatus if risk of exposure to products of decomposition. Wear full protective clothing. Fires should be fought from a protected location. Keep containers and adjacent areas cool with water spray. If safe to do so, remove containers from path of fire. A major fire may involve a risk of explosion in the event of contamination or strong confinement. An adjacent detonation may also involve the risk of explosion.

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent skin and eye contamination and inhalation of vapour. Contain spill using barriers or absorbent material. Collect and seal in properly labelled containers for disposal. Wash area down with excess water. Do not contaminate streams, rivers or waterways.

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7. HANDLING AND STORAGE

- Handling:** Avoid contact with eyes and skin.
Wear gloves when handling the product over long periods.
- Storage:** Keep out of reach of children. Store in a cool, dry, well-ventilated place and away from combustible materials, herbicides and fungicides. Store away from incompatible materials such as reducing agents and acids. Keep containers closed when not in use - check regularly for leaks. If the product is allowed to dry out or to become concentrate, the preparation becomes an oxidiser.

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. 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 respiratory protection if prolonged contact with mist or vapour.
 - Other:*
None
- Other Use Precautions:** Wash contaminated clothing and other protective equipment before storage or re-use. To be used strictly in accordance with label instructions.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Colourless to amber liquid
- Odour:** Mild
- Vapour pressure:** As for water
- Vapour density:** Not available
- Boiling point:** > 100 °C

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Freezing/melting point:	Not applicable
Solubility:	Soluble in water
Specific gravity:	1.50
pH:	5 - 7 (10% solution)
Molecular Weight:	Not available
Flash Point:	Not Applicable
Flammability (explosive) limits:	Not Applicable
Auto-ignition temperature:	Not Applicable
Octanol/water partition coefficient:	Not available

10. STABILITY AND REACTIVITY

Chemical stability:	Strong oxidising agent
Hazardous polymerisation:	No information available
Conditions to avoid:	No information available
Incompatible materials:	No information available
Hazardous decomposition products:	Strong oxidising agent. Non-combustible, but will support combustion of other materials. Decomposes on heating emitting toxic fumes including those of nitrogen oxide.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Information on Product:

Inhalation:	Breathing in mists or aerosols may cause respiratory irritation.
Skin contact:	Repeated or prolonged skin contact may cause irritation.
Eye contact:	May cause irritation.
Ingestion:	Swallowing may result in nausea, diarrhoea and abdominal pain.
Other:	No other known health effects.

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Chronic: Not available

Information on Components: No information available

Acute:

Oral toxicity: component calcium nitrate: Oral LD₅₀ (rat) = 302 mg/kg

Dermal toxicity: Not available

Inhalation toxicity: Not available

Skin irritation: Not available

Eye irritation: Not available

Sensitisation: Not available

12. ECOLOGICAL INFORMATION

Avoid contaminating streams, rivers or 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: Not applicable
Proper shipping name: Not applicable
Class and Subsidiary Risk: Not classified as Dangerous Goods for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Packing Group: Not applicable
EPG: Not applicable
Hazchem code: Not applicable

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: Aqua-Fert is a Registered Trademark of Campbells Fertilisers Australasia
Preparation information: Prepared by Campbells Fertilisers Australasia
Data sources: Supplier MSDS

END OF MSDS