



MATERIAL SAFETY DATA SHEET
POTASSIUM NITRATE (GREENHOUSE GRADE) FERTILISER

Date of Issue: January 01, 2011

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Potassium Nitrate (Greenhouse Grade)
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. Seek medical advice.
Skin contact:	Remove contaminated clothing. Flush skin thoroughly with plenty of water and soap.
Eye contact:	In case of contact, immediately flush eyes with copious quantities of water for at least 30 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Ingestion:	Give plenty of water to drink. Induce vomiting. Seek medical advice.
First Aid Facilities:	Ensure washing facilities are available.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Non-flammable. Water jets or water spray (large quantities), fog or foam.
Hazards from combustion products:	Strong oxidising agent. Decomposes on heating emitting toxic fumes including those of nitrogen oxides.
Precautions for fire fighters:	Oxidiser. Keep away from reducing agents. Will explode if heated to 1000 °C in presence of reducing agents, organic materials or when mixed with cyanides. Suitable self-contained respiratory protective device. Goggles giving complete protection to eyes. Plastic or synthetic rubber gloves. 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.

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Sweep up, but avoid generating dust. Collect and seal in properly labelled containers for disposal or reuse. Wash area down with excess water. Do not contaminate streams, rivers or waterways.

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7. HANDLING AND STORAGE

Handling: Promotes the combustion of combustible substances. Keep away from combustible material. In case of fire and/or explosion, do not breath the fumes. Avoid excessive generation of dust. Avoid contact with eyes. Avoid breathing dust. Use with adequate ventilation. Wear gloves when handling the product over long periods.

Storage: 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 goggles.

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.

Other:
None

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid white crystals.

Odour: Odourless

Vapour pressure: Below 1

Vapour density: Not available

Boiling point: Decomposes at 750 °C

Melting point: 333 °C

Solubility: 380 g/L

Density: 1.2 kg/L



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pH:	9.5 to 10.5 (10% solution in water)
Molecular Weight:	101.0
Flash Point:	Above 150 °C, TCC
Flammability (explosive) limits:	Not flammable
Auto-ignition temperature:	Not Applicable
Octanol/water partition coefficient:	Not available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable in normal use and storage.
Hazardous polymerisation:	Will not occur. No known conditions to avoid.
Conditions to avoid:	Fire conditions.
Incompatible materials:	Corrosive to metals.
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 oxides.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Information on Product:

Inhalation:	May cause respiratory irritation.
Skin contact:	Normally non-hazardous. Repeated or prolonged skin contact may cause irritation.
Eye contact:	Dust may cause irritation.
Ingestion:	Swallowing large amounts may result in anaemia, headaches, heart beat irregularities, cramps and breathing difficulties.
Other:	No other known health effects.
Chronic:	Not available

Information on Components: Not available



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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:	Excess of nitrates in lakes, rivers and waterways may lead to eutrophication.
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.

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]



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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