



Omnia Specialities Australia Pty Ltd

PO Box 3418, Morwell BC, Victoria 3841

Telephone: +61 3 5133 9118 • Facsimile: +61 3 5133 9114
www.australianhumates.com • info@omnia.net.au

Emergency Telephone Number: Dr Sammy Heng

Telephone: +61 3 9574 8001 • Mobile: +61 4 1750 6819

After Hours: +61 4 1750 6819



Material Safety Data Sheet

IDENTIFICATION:

Product Name:	Potassium Nitrate Powder
Other Name:	Saltpeter; niter; nitric acid, potassium salt
UN Number:	N/A
Hazchem Code:	N/A
Dangerous Goods Class:	N/A
Packaging Group:	N/A
Manufacturer's Product Code:	Potassium Nitrate Powder
Use:	Fertiliser

PHYSICAL DESCRIPTION/PROPERTIES:

Appearance:	White crystalline powder, odourless
pH:	5 - 7 in 10% water solution
Solubility in Water:	100%
Density (kg/l):	1.1 - 2.1
Boiling Point:	400°C (752°F)
Melting Point:	333°C (631°F)

HEALTH HAZARD INFORMATION:

Health Effects:

Acute:

Swallowed:

Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. May cause gastroenteritis and abdominal pains. Purging and diuresis can be expected. Rare cases of nitrates being converted to the more toxic nitrites have been reported, mostly with infants.

Eye:

Causes irritation, redness, and pain.

Skin:

Causes irritation to skin. Symptoms include redness, itching, and pain.

Inhaled:

Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Chronic:

Under some circumstances methemoglobinemia occurs in individuals when the nitrate is converted by bacteria in the stomach to nitrite. Nausea, vomiting, dizziness, rapid heart beat, irregular breathing, convulsions, coma, and death can occur should this conversion take place. Chronic exposure to nitrites may cause anemia and adverse effects to kidney.

First Aid:

Swallowed:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Eye:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before re-use. Thoroughly clean shoes before re-use.

Inhaled:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention..

PRECAUTIONS FOR USE:

Personal Protection: Face shields, gloves and overalls recommended during handling of product.

SAFE HANDLING INFORMATION:

Storage and Transport: Store in a cool, dry, ventilated area. Transport in sealed containers and protect from physical damage.

Contact: Dr Sammy Heng

Unit 10 17-19 Miles Street

MULGRAVE VIC 3170

Telephone: +61-3 9574 8001

Mobile: (04) 1750 6819

After Hours: +61-3 9887 8892

Talk to us. It pays.

Proudly Australian made 

1st April 2008

All information, recommendations and suggestions herein concerning this product are based upon data believed to be reliable at the time of printing. However it is the users responsibility to determine the safety, toxicity and suitability of this product for his/her own use. Since the actual use by others is beyond our control, we make no guarantee expressed or implied as to the effects of such use, the results to be obtained, or the safety and toxicity of the product. This information is not to be construed as absolutely complete, since additional information may be necessary or desirable when exceptional conditions or circumstances exist or because of applicable laws or government regulations.