

Aquapac Pty Ltd

ABN 36 114 118 311

Water treatment & Specialty chemicals

MATERIAL SAFETY DATA SHEET

Product: Calcium Nitrate Solution 50%

Company Details

Supplier: Aquapac Pty Ltd
Address: 4/20 Powdrill Road
Prestons NSW 2170

Telephone No.: 02 9826 0201
Facsimile No.: 02 9826 0208
Email: williamsay@optusnet.com.au

Emergency Telephone No.:

Business Hours: 02 9826 0201

After Hours: 000 Fire brigade or Police

IDENTIFICATION

U.N. Number:	None allocated	Class:	None allocated
Hazchem:	N/A	Poisons Schedule:	N/A
EPG:	None allocated	Packaging Group:	None allocated

NOT Classified as hazardous according to criteria of Worksafe Australia

Ingredients

Chemical Entity	CAS No.	Proportion
Calcium Nitrate	10124-37-5	50%
Water	7732-18-5	balance

Other Names

Calcium Nitrate

Uses

Water treatment additive. Chemical reagent. $\text{Ca}(\text{NO}_3)_2$

Physical Description / Properties

Appearance:	Clear to pale yellow liquid.		
Flash point:	N/A	Specific Gravity:	1.45 – 1.50
Boiling point (°C):	N/A	ph (neat solution)	7.5 to 8.5
Freezing point (°C):	10C approx	Solubility in Water (g/L):	soluble

Other Properties

Odour: odourless

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Solubility: Completely soluble

HEALTH HAZARD INFORMATION

Health Effects

Symptoms that may arise if the product is mishandled are:

Acute

Swallowed Ingestion may result in nausea. Low toxicity.

Eye May be irritating to eyes.

Skin May be irritating to skin.

Inhaled Should not occur. However if heated may release mists which may cause respiratory irritation.

Chronic Effects

Repeated or prolonged skin contact may lead to irritant contact dermatitis.

As with any chemical - ingestion, inhalation, and prolonged or repeated skin contact should be avoided by good occupational work practice.

First Aid

Swallowed Rinse mouth thoroughly with water immediately. If you feel unwell seek medical advice.

Eye Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

Skin Immediately wash contaminated skin with plenty of water and then wash with soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice.

Inhalation No data available

Poison Information Centres in each State capital city can provide additional assistance.

Advice to Doctor

Treat symptomatically.

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PRECAUTIONS FOR USE

Exposure Standards (for atmospheric contaminants in the occupational environment)

No value assigned for this product by the NOHSC (Workcover).

TWA		STEL	
ppm	mg/m ³	ppm	mg/m ³

Engineering Controls

Maintain concentration below recommended exposure limit. Use in a well-ventilated area. Avoid generating and inhaling mists and aerosols. Keep containers closed when not in use. If risk of overexposure exists, wear SAA approved respirator to comply with Australian Standards, ensuring correct fit to obtain adequate protection.

Personal Protection

- Eyes:** The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate.
- Skin:** Rubber or PVC gloves, overalls or PVC suit, safety or rubber boots
- Respiratory:** If mist is generated the use of a chlorine vapour half facepiece respirator is recommended.

Avoid contact with eyes and skin. Avoid prolonged or repeated exposure. Always wash hands before smoking, eating, drinking or using the toilet.

Flammability

Not combustible material.

SAFE HANDLING INFORMATION

Storage and Transport

Not classified as a Dangerous Good for the purposes of transport.

Use only plastic (PE, PP, PVC), fibreglass or Stainless steel containers/vessels – may be corrosive to mild steels. Containers to be stored upright and kept sealed.

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Spills

Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination including breathing apparatus.

Contain do not allow spill material to enter the environment. Contain material using inert absorbent material eg vermiculite. Place into suitable labelled containers and hold for waste disposal. Wash area down with excess water once removed.

Disposal

Refer to State and Land Management Authority and relevant Environmental Protection Authority.

Fire / Explosion Hazards

Materials to avoid:

Extinguishing Media:

In case of fire use water, foam, carbon dioxide, dry powder.

OTHER INFORMATION

Toxicity

Toxicology:

Oral LD50 (Rat): 3900 mg/kg. for calcium nitrate tetrahydrate

Company Disclaimer

All information contained in this data sheet is as accurate and up-to-date as possible. Since Aquapac Pty Ltd cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application.

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