

# VETPAK SAFETY DATA SHEET

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## Section 1: Identification of the Substance or Mixture and of the Supplier

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**Product Name:** Calcium Chloride Dihydrate

**Other names:** Calcium chloride, Calcium chloride flakes

**Recommended Use:** Calcium supplement for livestock.

**Company Details:** Vetpak Ltd.

**Address:** 150 Rickit Road, Te Awamutu.

**Telephone Number:** (07) 870 2024

**Emergency Telephone Number:** (07) 870 2024 8.00am to 5.00pm Monday to Friday except public holidays. National Poisons Centre, Department of Preventative and Social Medicine, University of Otago, P O Box 913, Dunedin, New Zealand. Phone (0800) 764-766 24 hours.

**Date of Review:** 8<sup>th</sup> August 2008

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## Section 2: Hazards Identification

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**HSNO Hazards Classification:** Hazardous according to the criteria of HSNO.

6.1D (oral), 6.3A, 6.4A, 9.3C.

**Hazard Statements:**

H302: Harmful if swallowed.

H313: May be harmful in contact with skin.

H320: Causes eye irritation.

H433: Harmful to terrestrial vertebrates.

**Prevention Statements:**

P102: Keep out of reach of children.

P103: Read label before use.

P104: Read safety data sheet before use.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves.

P273: Avoid release to the environment.

**Response statements:**

P101: If medical advice is needed, have product container or label at hand.

P301 + P312: If swallowed: Call a poisons centre or doctor/physician if you feel unwell.

P330: Rinse mouth.

P302 + P352: If on skin; wash with plenty of water.

P332 + P313: If skin irritation occurs: get medical advice / attention.

P362: Take off contaminated clothing and wash before reuse.

P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: get medical advice / attention.

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## Section 3: Composition / Information on Ingredients:

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### INGREDIENTS:

| Pure Substance             | CAS Number | Proportion |
|----------------------------|------------|------------|
| Calcium Chloride Dihydrate | 10035-04-8 | 100%       |

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## Section 4: First Aid Measures:

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### Description of necessary first Aid measures:

**Swallowed:** Rinse mouth out with water. Give plenty of water to drink provided person is fully conscious. If vomiting occurs, give further water to achieve effective dilution. Seek medical assistance.

**Skin:** Remove contaminated clothing. Flush affected area with plenty of water. If irritation persists seek medical assistance.

**Eye:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical assistance.

**Inhaled:** Remove victim from exposure to fresh air. If rapid recovery does not occur, seek medical assistance.

**Workplace Facilities:** Running water.

**Notes for Medical Personnel:** Treat symptomatically based on individual reactions to patient and judgement of doctor.

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## Section 5: Fire Fighting Measures

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**Type of Hazard:** Product is a non-flammable solid.

**Hazards from combustion products:** Non-combustible solid. Material does not burn. Keep away from sources of ignition. Avoid dust contamination. Containers may explode upon heating. Fire or heat may produce irritating, poisonous and / or corrosive gases.

**Extinguishing Media & Methods:** In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions.

**Recommended Protective Clothing:** Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

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## Section 6: Accidental Release Methods

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**Emergency procedures:** Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Stop leak if safe to do so. Avoid generating dust. Do Not let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use spark-proof tools and equipment.

**Methods and materials for containment and clean up:** Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a dry, suitable, labelled container and hold for safe disposal. Once pick up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment.

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## Section 7: Handling and Storage

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### Handling:

Ensure an eye bath is available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

### Storage:

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from sources of ignition. Protect from direct sunlight and moisture. This product is not classified dangerous for transport.

**Packaging:** Store in original packaging as approved by the manufacturer.

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## Section 8: Exposure Controls / Personal Protection

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**Workplace Exposure Standards:** No exposure standard has been established for this product by New Zealand Workplace Exposure Standards.

### Engineering Controls:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

### Personal Protective Equipment (PPE):

**RESPIRATOR:** Wear an NIOSH approved respirator conforming with EN141 in dusty conditions.

**EYES:** Safety glasses with side shields approved to EN166. **HANDS:** Where hand contact with the product may occur, wear gloves approved to relevant standards EN374.

**CLOTHING:** Wear chemical resistant coveralls and safety footwear.

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## Section 9: Physical and Chemical Properties

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### Specify data for the product not the individual components:

#### Required Specifications:

Physical State: Solid.

Appearance: White deliquescent crystals, granules, lumps or flakes.

Boiling Point / Melting Point: N/A.

Vapour Pressure: N/A.

Specific Gravity: 0.835 (25°C) (Water = 1)

Flash Point: N/A.

Flammability Limits: N/A.

Solubility in Water: Soluble in water.

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## Section 10: Stability and Reactivity

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**Stability of the Substance:** Product is stable under normal conditions of use and storage.

**Conditions to avoid:** Avoid excessive heat, dusty conditions, static discharges, moisture and high temperatures.

**Hazardous decomposition Products:** Fire or heat may produce irritating, poisonous and / or corrosive gases.

**Hazardous polymerization:** Does not occur.

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## Section 11: Toxicological Information

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### Toxicity Data:

Oral LD<sub>50</sub> rat: 1000mg/Kg anhydrous.

Oral LD<sub>50</sub> rabbit 500 – 1000 mg/Kg anhydrous.

Dermal LD50 rat 2630 mg/Kg

### Acute Effects:

**Swallowed:** Ingestion may cause stomach upset. Symptoms include constipation, hypercalcaemia and possible renal damage. Ingestion of large amounts could be harmful as the blood calcium level is increased, resulting in the precipitation of calcium in the kidney, which may cause renal damage, which can be reversed if treated early.

**Skin:** Irritating to skin.

**Eye:** Irritating to eyes.

**Inhaled:** Inhalation of product dust may cause irritation to the respiratory system.

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## Section 12: Ecological Information

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**Potential Environmental Considerations:** No data.

**Environmental risk phrases:** Avoid contaminating waterways, drains and sewers.

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## Section 13: Disposal Considerations

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**Disposal Information:** Dispose of in accordance with local and government regulations.

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## Section 14: Transport Information

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**UN No.** Not allocated.

**Shipping Name:** Calcium Chloride.

**Dangerous Goods Class:** None allocated.

**Packing Group:** None allocated.

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## Section 15: Regulatory Information

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### Regulatory status:

**HSNO Hazards Classification:** Hazardous according to the criteria of HSNO.

6.1D (oral), 6.3A, 6.4A, 9.3C.

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## Section 16: Other Information

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**Additional Information:** National Poisons Centre, Department of Preventative and Social Medicine, University of Otago, P O Box 913, Dunedin, New Zealand. Phone (0800) 764-766 24 hours.

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1. The above information has been compiled on the basis of good faith, and our experience from the available technical knowledge and data for this product.
  2. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used.
  3. No responsibility can be accepted for the wrongful or misinterpretation of this data.
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