

# VETPAK SAFETY DATA SHEET

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

### Product Name: **Di-Calcium Phosphate**

**Recommended Use:** As a nutritional supplement of calcium and phosphate in livestock and small animals.

**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 Preparation:** 27<sup>th</sup> August 2008

## Section 2: Hazards Identification

**Hazards Classification:** Di-Calcium Phosphate appears on the GRAS (Generally Regarded As Safe) list.

**HSNO Hazard Classification** 6.1E, 6.3A, 6.4A.

### Risk Phrases

Warning: May be harmful if swallowed and enters the airways. Causes skin irritation. Causes eye irritation.

### Safety Phrases:

Keep out of reach of children.

Read label before use.

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

If swallowed: immediately call a poison centre or doctor / physician.

Do not induce vomiting.

Store locked up.

Wash hands thoroughly after handling.

Wear protective gloves.

If on skin: wash with plenty of soap and water.

If skin irritation occurs: Get medical advice / attention.

Take off contaminated clothing and wash before re-use.

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

If eye irritation persists: Get medical advice / attention.

## Section 3: Composition / Information on Ingredients:

### INGREDIENTS:

Mixture	CAS Number	Proportion
Di-calcium Phosphate Dihydrate	7757-93-9	56%
Mono-calcium Phosphate Monohydrate	7758-23-8	38%
Magnesium, Aluminium, Iron Phosphates / Sulphates		4%
Moisture uncombined		1.8%
Fluoride as F (Max)		0.20%

## Section 4: First Aid Measures:



# VETPAK SAFETY DATA SHEET

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## Description of necessary first Aid measures:

**Swallowed:** Rinse mouth with water. Give water to drink. Do NOT induce vomiting. If symptoms develop, consult a doctor.

**Skin:** Remove contaminated clothing. Wash affected area with soap and plenty of water. If irritation persists, consult a doctor.

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

If eye irritation persists: Get medical advice / attention.

**Inhaled:** Remove victim from exposure to fresh air. If rapid recovery does not occur, consult a doctor.

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

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## Section 5: Fire Fighting Measures

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

**Fire Hazard Properties:** Non-combustible solid. Avoid generating dust. Incompatible with strong oxidizing agents and sources of ignition. When involved in a fire, this product may release small amounts of toxic and/or irritating phosphorus oxides.

**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 positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources.

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## Section 6: Accidental Release Methods

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**Procedures to be covered:** Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.

**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 suitable, labelled container. If uncontaminated, re-use product. If contaminated, hold for disposal.

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## Section 7: Handling and Storage

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**Precautions for Safe Handling:** Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes.

**Store Site Requirements:** 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 incompatible materials including oxidizing agents and sources of ignition. Protect from freezing, sunlight, moisture and static discharges. This product is not classified dangerous for transport.

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

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# VETPAK SAFETY DATA SHEET

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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. However, the exposure standard for dust not otherwise specified is 10mg/m<sup>3</sup> (for inspirable dust) and 3mg/m<sup>3</sup> (for respirable dust).

**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.

**Subsection 3: Personal Protective Equipment (PPE):** RESPIRATOR: Wear an effective dust mask where dusts are formed and engineering controls are inadequate (AS1715/1716). EYES: Safety glasses with side shields (AS1336/1337). HANDS: Protective gloves (AS2161). CLOTHING: Long-sleeved protective coveralls and safety footwear (AS3765/2210)

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## Section 9: Physical and Chemical Properties

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### Required Specifications:

**Physical State:** Solid

**Appearance:** Light grey granular solid.

**Boiling Point:** N/A.

**Melting Point:** Loses H<sub>2</sub>O at 109°C.

**Vapour Pressure:** N/A.

**Specific Gravity:** 2.3 (Water = 1)

**Flash Point:** N/A.

**Flammability Limits:** N/A.

**Solubility in Water:** 0.017%

**pH:** 3.4 (10% slurry)

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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, storage and temperature.

**Conditions to avoid:** Avoid excessive heat, direct sunlight, generating dust, moisture, freezing and high temperatures.

**Material to avoid:** Incompatible with oxidizing agents and sources of ignition.

**Hazardous decomposition Products:** When involved in a fire, this product may release small amounts of toxic and/or irritating phosphorus oxides.

**Hazardous polymerization:** Hazardous polymerization will not occur.

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## Section 11: Toxicological Information

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**Data and interpretation:** Oral LD<sub>50</sub> Rat: 3986mg/Kg (calcium phosphate, dibasic)

### Acute Effects:

**Swallowed:** Not a hazard under normal use conditions.

**Skin:** May cause slight skin irritation.

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# VETPAK SAFETY DATA SHEET

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**Eye:** May cause slight irritation to the eyes.

**Inhaled:** Inhalation of product dust or vapours from the heated product may cause slight irritation to the nose and throat.

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## Section 12: Ecological Information

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**Potential Environmental Considerations:** None known.

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## Section 13: Disposal Considerations

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

**Relevant Information:** Avoid contaminating waterways, drains and sewers.

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## Section 14: Transport Information

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**Land and Sea Transport Shipping Name:** Dicalcium Phosphate

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## Section 15: Regulatory Information

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**Regulatory status:** Appears on the GRAS (Generally Regarded As Safe) List.

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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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