

VETPAK SAFETY DATA SHEET

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

Product Name: **CALCIUM CARBONATE FOOD GRADE**

Other names: Calcium carbonate, limestone.

Recommended Use: Source of lime; neutralising agent; filler and extender in rubber; plastic and paints; opacifying agent in paper; fortification of bread; putty; tooth powders; antacid; whitewash; Portland cement; sulphur dioxide from stack gases; metallurgical flux; analytical chemistry; carbon dioxide generation (laboratory); animal nutrition.

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: 8th August 2008

Section 2: Hazards Identification

Hazards Classification: Not hazardous. Appears on GRAS (Generally regarded as safe) of ERMA, New Zealand.

Section 3: Composition / Information on Ingredients:

INGREDIENTS:

Pure Substance	CAS Number	Proportion
Calcium carbonate	471-34-1	>98%

Section 4: First Aid Measures:

Description of necessary first Aid measures:

Swallowed: Refer for medical attention in case of large amount ingested.

Skin: Rinse the affected skin with fresh water.

Eye: Rinse the affected eyes with fully clean water; refer for medical attention as soon as possible.

Inhaled: Remove to fresh air. If breathing is difficult, give oxygen. Call a doctor immediately.

Workplace Facilities: Eye bath, washing facilities.

Notes for Medical Personnel: Consult a poisons Information Centre and then treat patient symptomatically.

Section 5: Fire Fighting Measures

Extinguishing Media & Methods: Use extinguishing media suitable to surrounding fire conditions.

Recommended Protective Clothing: Fire-fighters should wear full protective clothing including self contained breathing apparatus.

Section 6: Accidental Release Methods



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Procedures to be covered: Contain spillage and scoop up or vacuum. Do not use a cleaning method that will generate dust.

Section 7: Handling and Storage

Storage: Keep away from acids (reaction with acids gives off carbon dioxide). Avoid breakage of bagged material or spills of bulk material. Use dustless systems for handling, storage and clean up so that airborne concentrations do not exceed exposure standards.

Section 8: Exposure Controls / Personal Protection

Workplace Exposure Standards: TWA for calcium carbonate is 10mg/m³

Engineering Controls: General, local exhaust ventilation as necessary to control and air contaminants to within their TLV's, in the use of the product.

General hygiene: Respiratory protection – use dust respirator. Safety glasses – use safety glasses. Wear gloves and protective clothing.

Section 9: Physical and Chemical Properties

Specify data for the product not the individual components:

Required Specifications:

Physical State: Powder.

Appearance: White powder, odourless.

Formula: CaCO₃.

Boiling Point: Not applicable.

Melting Point: 825°C

Specific Gravity: 2.6 (water = 1)

Flash Point: Not flammable.

Flammability Limits: Not flammable.

Solubility in Water: Only very slightly soluble.

Section 10: Stability and Reactivity

Stability of the Substance: The product is stable.

Conditions to avoid: Hygroscopic. Will ignite and burn fiercely in contact with fluorine. Incompatible with acids, alum, ammonium salts, mercury + hydrogen, aluminium and magnesium

Material to avoid: Reactive with oxidising agents and acids.

Hazardous decomposition Products: Reacts with oxidising agents and acids to produce carbon dioxide.

Hazardous polymerization: Does not occur.

Section 11: Toxicological Information

Acute toxicity: Oral LD₅₀ (rat) 6.450mg/Kg

Acute Effects:

Swallowed: Ingestion of large amounts may cause gastrointestinal tract disturbances with nausea and possibly constipation. Expected to be a low hazard for usual industrial handling.



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Skin: Causes skin irritation.

Eye: Some cases, mucus membranes are irritated.

Inhaled: Excessive inhalation causes respiratory tract and mucous membrane irritation. Low hazard for usual industrial handling.

Long Term Effects: Chronic ingestion may affect kidneys, and may cause hypercalcemia with alkalosis.

Section 12: Ecological Information

Potential Environmental Considerations: The product itself and its products of degradation are not toxic.

Section 13: Disposal Considerations

Disposal Information:

Waste must be disposed of in accordance with local, regional and government regulations.

Section 14: Transport Information

U.N. number: Not allocated.

Shipping Name: Calcium Carbonate Food Grade.

Hazchem code: Not applicable.

Section 15: Regulatory Information

Regulatory status: Appears on the GRAS (Generally regarded as safe) list of ERMA, New Zealand.

Section 16: Other Information

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.

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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