

# 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:** 249 Bruce Berquist Dr, Te Awamutu 3800.

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

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

**Date of Review:** 10<sup>th</sup> July 2019

## Section 2: Hazards Identification

### STATEMENT OF HAZARDOUS NATURE

While this product is generally recognized as safe (non-hazardous), and appears on the GRAS (Generally Regarded As Safe) list of Ministry of Primary Industries, New Zealand, it is, however, classified as a Class 6.4A Eye Irritant **HAZARDOUS** Substance. Handle correctly and as directed by this SDS.

### HAZARD LABELLING WARNING



### HAZARD CLASSIFICATION AND STATEMENTS

| HSNO | HSNO                  | GHS        | Signal Word | GHS Hazard Statement               |
|------|-----------------------|------------|-------------|------------------------------------|
| 6.4A | Irritating to the eye | Category 2 | Warning     | H319 Causes serious eye irritation |

### GHS Prevention Statements

P103: Read label before use  
P264: Wash hands thoroughly after handling  
P280: Wear protective gloves and eye/face protection

## Section 3: Composition / Information on Ingredients:

### COMPOSITION

| Ingredient        | CAS Number | % w/w | HAZARDOUS |
|-------------------|------------|-------|-----------|
| Calcium carbonate | 471-34-1   | >98   | Yes 6.4A  |

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## Section 4: First Aid Measures:

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### Description of necessary first Aid measures:

**Swallowed:** Rinse mouth, then drink plenty of water. Do not induce vomiting. If vomiting occurs, give further water to drink. Get medical advice/attention.

**Skin:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.

**Eye:** Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. If eye irritation persists, get medical advice/attention

**Inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing until recovered. If respiratory symptoms persist, get medical advice/attention. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult.

**Workplace Facilities:** Eye bath, washing facilities.

**Notes for Medical Personnel:** Treat patient symptomatically.

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## Section 5: Fire Fighting Measures

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**General:** If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.

**Type of Hazard:** Not flammable.

**Fire Hazard Properties:** Enclosed containers may explode when heated.

**Extinguishing Media & Methods:** Use dry chemical, Carbon dioxide, foam or water spray for extinction; Use extinguishing media appropriate to surrounding fire conditions.

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

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## 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.

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## Section 7: Handling and Storage

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**Safe Handling & Storage:** 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. Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers tightly closed. Protect from moisture. Keep away from incompatible materials (acids, strong oxidising agents, ammonium salts).

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## Section 8: Exposure Controls / Personal Protection

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**Workplace Exposure Standards:** TWA for calcium carbonate is 10mg/m<sup>3</sup>

**Engineering Controls:** Exhaust ventilation to control air contaminates.

**Personal Protective Equipment (PPE):**

**Respiratory protection.** Recommended: Dust mask/respirator meeting the requirements of AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices, and AS/NZS 1716 - Respiratory protective devices.

**Eye/face protection:** Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side shields or chemical goggles. Eye protection devices should conform with AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand protection:** Handle with gloves. Recommended: Impervious gloves. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

**Skin/body protection:** Wear appropriate personal protective clothing to avoid skin contact. Recommended: Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrists; Chemical-resistant apron when large quantities are handled.



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## Section 9: Physical and Chemical Properties

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**Appearance (physical state, colour etc.):** White powder

**Odour:** Odourless

**pH:** 9.5 (as 20% slurry)

**Melting Point/Freezing Point (°C):** 825

**Boiling Point (°C):**

**Flash Point (°C):** Not flammable.

**Flammability:**

**Lower Flammability/Explosive Limit:**

**Upper Flammability/Explosive Limit:**

**Auto-ignition Temperature (°C):**

**Vapour Pressure:** Not applicable.

**Vapour Density:**

**Relative Density:**

**Solubility in Water:** Very slightly soluble.

**Specific Gravity:** 2.72 (water = 1)

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## Section 10: Stability and Reactivity

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**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.

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## Section 11: Toxicological Information

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**Swallowed:** Ingestion of this product may irritate the gastrointestinal tract causing nausea and vomiting

**Skin:** May cause skin irritation, redness, itching and swelling. Repeated or prolonged contact may cause skin dryness and cracking and may lead to dermatitis.

**Eye:** May cause (physical) eye irritation, redness, itching and tearing.

**Inhaled:** Inhalation of dusts may irritate the respiratory system. (Chronic) exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. Repeated exposure to respirable crystalline silica may lead to silicosis or other serious delayed lung injury. COMPONENT: Silica dust, crystalline, in the form of quartz... (CAS No. 14808-60-7) is classified by the IARC Monographs as carcinogenic to humans (Group 1). Product contains <1% respirable crystalline silica.

**Acute Effects:** No Data

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

**Toxicity:** No Data

**Irritation/Corrosion:** No Data

**Carcinogenic Effects:** N/A

**Mutagenic Effects:** N/A

**Reproductive or developmental effects:** None identified

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## Section 12: Ecological Information

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**Ecotoxicity:** No data.

**Persistence and degradability:** No data.

**Environmental fate:** Prevent entry into drains and waterways.

**Bio-accumulative potential:** No information available.

**Mobility in soil:**

**Any other adverse effects:**

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## Section 13: Disposal Considerations

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

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## Section 14: Transport Information

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**Relevant information:** This product is not classified as dangerous goods.

**UN Number:** Not allocated.

**UN Proper Shipping Name:** Calcium Carbonate Food Grade.

**Hazchem code:** Not applicable.

**UN DG Class:** None allocated.

**UN Packing Group:** None allocated.

**Land Transport:** Not regulated

**Sea Transport:** Not regulated

**Air Transport:** Check current air transport regulations.

**Other Information:** Handle with care. Stack correctly. Transport upright in the original container with the lid tightly closed. Avoid spillage and any release into the environment.

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## Section 15: Regulatory Information

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**HSNO Approval Number:** HSR006678

**Regulatory status:** Appears on GRAS (Generally Regarded As Safe) of Ministry of Primary Industries, New Zealand.

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## Section 16: Other Information

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### Interpretation and Abbreviations

Controls applying to a substance:

- \* denotes that changes have been made to these controls, further information on these changes is located in the transfer notice for that substance,
- ( R ) abbreviation for the term Regulation of the Hazardous Substances regulations

AICS – Australian Inventory of Chemical Substances

AOX – Absorbable organic halogens.

APF – Assigned Protection Factor.

BOD – Biochemical Oxygen Demand China

COD – Chemical Oxygen Demand

DSL – Canadian Domestic Substances List.

EINECS – European Inventory of Existing Commercial Chemical Substances.

ENCS – Japanese Existing and New Chemical substances.

IARC – International Agency for Research on Cancer.

IDLH – Immediately Dangerous to Life or Health Concentrations.

ISHL – Japanese Industrial Safety and Health Law List of Chemicals.

LOEL – Lowest Observed Effect Level.

LD<sub>Lo</sub> – Lethal Dose Low (the lowest dosage per unit of bodyweight of a substance known to have resulted in fatality in a particular animal species).

MAK – Maximum workplace concentration in the workplace air that generally does not have known adverse effects on the health of the employee nor cause unreasonable annoyance when a person is repeatedly exposed during long periods, usually 8 hours daily, 40hour working week).

NOAA – National Oceanic and Atmospheric Administration.

NOEC – No Observed Effect Concentration.

NTP – National Toxicology Program.

NZIoC – New Zealand Inventory of Chemicals.

OECD HPV – The Organisation for Economic Co-operation and Development High Product Volume Chemicals.

PEL – Permissible exposure limit.

PPE – Personal Protective Equipment.

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Prop 65 – California Proposition 65 List of Chemicals.

RTECS – Registry of Toxic Effects of Chemical substances

STEL – Short term exposure limit.

TOC – Total Organic Carbon.

TSCA – US Toxic Substances Control Act Existing Chemicals.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

VOC – Volatile Organic Compounds.

**Date of Preparation/Review:** 10 July 2019

**Sources of key data used to compile the datasheet:**

Manufacturers SDS

NZ EPA CCID

**DISCLAIMER**

*The information contained in this safety data sheet was obtained from current and reliable sources.*

*This data is supplied without warranty, expressed or implied, regarding its correctness and accuracy.*

*It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.*

**END OF SDS**