Phone 07 870 2024
sales@vetpak.co.nz
www.vetpak.co.nz

Version 1.1

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## SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

### Product Identifier

| | |
|---|---|
| Product Name | Calcium Carbonate |
| Other Names | Calcium carbonate, Lime, Ground limestone, Calcite, Lime Flour, Track Rock |
| Proper Shipping Name | Carbonic acid, calcium salt (1:1) |
| Other means of Identification | None |

### Relevant identified uses of the substance or mixture

| | |
|---|---|
| Relevant identified uses | For use as a fertiliser and animal supplement |

### Details of the supplier of the safety data sheet

| | |
|---|---|
| Registered company name | Vetpak Limited |
| Address | 249 Bruce Berquist Dr, Te Awamutu 3800. |
| Telephone | (07) 870 2024 |
| Website | www.vetpak.co.nz |
| Email | sales@vetpak.co.nz |

### Emergency telephone numbers

| | |
|---|---|
| Association/ Organisation | New Zealand National Poison information centre |
| Emergency telephone number | 0800 764 766<br>(07) 870 2024 Vetpak. 8.00am to 5.00pm Monday to Friday except public holidays. |
| Other emergency telephone numbers | New Zealand emergency services 111 |

## SECTION 2 – HAZARDS IDENTIFICATION

### Hazard Classification:

This product is not hazardous according to the criteria of the Globally Harmonised System of classification and labelling of chemicals (GHS)

### Label pictograms

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|---|---|
| GHS label elements |  |
| Signal Word | WARNING |

### Hazard statements

| HSNO | Hazard Code | GHS Category | Hazard Statement |
|---|---|---|---|
| 6.4A | H 319 | Category 2 | Can cause eye irritation |

Precautionary statements prevention

| | |
|---|---|
| P103 | Read label before use |
| P264 | Wash hands thoroughly after handing the product |
| P280 | Wear protective gloves/eye protection/ face protection |

Precautionary statement responses

| | |
|---|---|
| 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 |

Precautionary statement disposal

| | |
|---|---|
| P501 | Disposal should be through a suitably qualified contractor |

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

| CAS Number | % (weight) | Name |
|---|---|---|
| 471 – 34 – 1 | 100 | Calcium Carbonate |

## SECTION 4 – FIRST AID MEASURES

Description of first aid measures

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|---|---|
| Eye contact | ➢ IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids.<br>➢ Remove contact lenses if present and easy to do.<br>➢ Continue rinsing for at least 15 minutes.<br>➢ If eye irritation persists, get medical advice/attention. |
| Skin contact | ➢ IF ON SKIN: Wash with plenty of soap and water.<br>➢ Take off contaminated clothing and wash it before reuse.<br>➢ If skin irritation occurs, get medical advice/attention. |
| Inhalation | ➢ IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>➢ If respiratory symptoms persist, get medical advice/attention.<br>➢ Give artificial respiration if victim is not breathing. |
| Ingestion | ➢ IF SWALLOWED: Rinse mouth, then drink a glass of water. Do not induce vomiting. Get medical advice/attention if you feel unwell.<br>➢ Never give anything by mouth to an unconscious person. |
| Advice to the doctor | Treat symptomatically and supportively. Most important symptoms and effects, both acute and delayed: None known. |

## SECTION 5 – FIREFIGHTING MEASURES

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|---|---|
| Extinguishing media | ➢ Use dry chemical, Carbon dioxide (CO2)<br>➢ alcohol-resistant foam or water spray for extinction<br>➢ Do not use water jets. |

| | |
|---|---|
| Flammability Conditions | ➢ Not flammable<br>➢ Alert fire brigade and tell location and nature of hazard |

Advice for fire fighters

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|---|---|
| Fire fighting | ➢ Alert fire brigade and tell location and nature of hazard<br>➢ Wear breathing apparatus plus protective gloves in the event of a fire<br>➢ Prevent spillage from entering the waterways or drains<br>➢ Fight the fire from a safe distance and adequate cover |
| Fire/explosion hazard | ➢ Not flammable |
| Special fire fighting hazards | ➢ Contain runoff from fire control or dilution water - Runoff may pollute waterways. |
| Protection Equipment | ➢ Wear positive pressure self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firelighter's uniform may provide limited protection. |

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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|---|---|
| General Response Procedure | ➢ Ensure adequate ventilation.<br>➢ Do not touch or walk through spilled material.<br>➢ Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing. |
| Clean Up Procedures | ➢ Collect material (sweep up or vacuum) and place into suitable, labelled containers for subsequent recycling or disposal. If appropriate, moisten first to prevent dusting. |
| Containment | ➢ Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Dike far ahead of large spill for later disposal. |
| Decontamination | ➢ Wash surfaces thoroughly with soap and water. |
| Environment Precaution Measures | ➢ Use personal protective equipment as required |

## SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

| | |
|---|---|
| Safe Handling | ➢ Safety showers and eyewash facilities should be provided within the immediate work area for emergency use.<br>➢ Ensure adequate ventilation.<br>➢ Handle in accordance with good industrial hygiene and safety practice. Avoid generating dust and prevent the build-up of dust in the work atmosphere.<br>➢ Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required. |

Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| Suitable container | ➢ Keep in the original container |
| Storage | ➢ Store in a cool, dry and well-ventilated place, out of direct sunlight.<br>➢ Keep containers tightly closed.<br>➢ Protect against physical damage.<br>➢ Protect from moisture.<br>➢ Keep away from incompatible materials |

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---|---|
| General | For Calcium carbonate (CAS No. 471-34-1):- Safe Work Australia Exposure Standard: TWA = 10 mg/m3; This value is for inhalable dust containing no asbestos and < 1% crystalline silica (a).- New Zealand Workplace Exposure Standard: TWA = 10 mg/m3 |

Exposure controls

| | |
|---|---|
| Appropriate engineering controls | A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.<br>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.<br>Do not eat, drink or smoke when using this product.<br>Always wash hands before smoking, eating, drinking or using the toilet.<br>Wash contaminated clothing and other protective equipment before storage or re-use. |
| Personal protection |  |
| Eye and face protection | ➢ Safety glasses with side shields<br>➢ Contact lenses may pose a special hazard soft contact lenses may absorb and concentrate materials.<br>➢ Medical personal should be trained and readily available in the event of chemical exposure; they should begin eye irrigation and remove contact lenses as soon as practicable. Lenses should be removed at the first sign of eye irritation |
| Skin protection | Wear general protective gloves e.g. light weight rubber gloves |
| Hand / feet protection | As above for hands; wear appropriate footwear for the environment |
| Other protection | ➢ Overalls<br>➢ PVC Aprons<br>➢ PVC protective gear<br>➢ Eyewash facilities<br>➢ Ensure there is ready access to a safety shower |

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|---|---|---|---|
| Appearance | White Powder | Relative density (Water = 1) | Not available |
| Odour | Odourless | Auto ignition temperature | Not available |
| Odour threshold | Not Available | Decomposition temperature | Not available |
| pH | No data | Viscosity | Not available |
| Melting point ($^{o}$C) | 825 °C | Molecular weight (g/mol) | Not available |
| Boiling point ($^{o}$C) | Not available | Bulk Density | 2700 kg/m3 |
| Flash point ($^{o}$C) | Not available | Specific Gravity | 2.7 g/cm3 |
| Evaporation rate | Not available | Oxidising properties | Not available |
| Flammability | Not flammable | Volatile component (% vol) | None |

## SECTION 10 – STABILITY AND REACTIVITY

| | |
|---|---|
| General Information | Stable under normal conditions. |
| Chemical stability | Stable under normal conditions of use. |
| Conditions to avoid | Acids, fluorine, ammonium salts, alum (oxidising agents), Will burn fiercely in contact with fluorine, hygroscopic. |
| Incompatible materials | None Known |
| Hazardous Polymerisation | Hazardous polymerisation will not occur. |

## SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---|---|
| General Information | Not applicable. LD50: 6450 mg/kg, oral, rat |
| Swallowed | Not applicable |
| Inhalation | Not applicable |
| Eyes | Causes serious eye irritation |
| Skin | Not applicable |
| Carcinogen | Not applicable |
| Mutagen | Not applicable |
| Reproductive Toxicity | Not applicable |
| Aspiration | Not applicable |

## SECTION 12 – ECOLOGICAL INFORMATION

This product is not hazardous to the environment.

| | |
|---|---|
| Ecotoxicity | No data available. |
| Persistence/Degradability | No data available. |
| Bioaccumulation Potential | No data available. |
| Other adverse effects | Avoid washing excessive amounts into streams and waterways. Avoid unintended release into the environment. |

## SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|---|---|
| Product / packaging disposal | ➢ Do not allow wash water from cleaning or process equipment to enter drains<br>➢ It may be necessary to collect all wash water for treatment before disposal<br>➢ In all case disposal to sewer may be subject to local laws and regulations and these should be considered first<br>➢ If in doubt contact the responsible authority<br>➢ Contact manufacturer for recycling options or consult local or regional waste management authority for disposal |

## SECTION 14 – TRANSPORT INFORMATION

Labels required

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

| | |
|---|---|
| Marine Pollutant | NO |
| HAZCHEM | Not Hazardous |

Land transport (ADG)

| | |
|---|---|
| UN Number | No data available |
| Packing group | No data available |
| UN proper shipping name | No data available |
| Environmental hazard | Not Hazardous |
| Transport hazard classes | No data available |
| Special precautions for user | No data available |

Air transport (ICAO-IATA / DGR)

| | |
|---|---|
| UN Number | No data available |
| Packing group | No data available |
| UN proper shipping name | No data available |
| Environmental hazard | Not Hazardous |
| Transport hazard classes | No data available |
| Special precautions for user | No data available |

Sea transport (IMDG / GGVSee)

| | |
|---|---|
| UN Number | No data available |
| Packing group | No data available |
| UN proper shipping name | No data available |
| Environmental hazard | Not Hazardous |
| Transport hazard classes | No data available |
| Special precautions for user | No data available |
| Marine Pollutant | No data available |

## SECTION 15 – REGULATORY INFORMATION

Safety, health and environment regulations / legislation specific for the substance or mixture

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

| | |
|---|---|
| GHS Code | 6.4A |
| National Inventory | Status |
| Australia – AICS | Yes |
| Europe – EINEC / ELINCS / NLP | Yes |
| New Zealand – NZIoC | Yes<br>All ingredients are on the inventory<br>Appears on GRAS (Generally Regarded As Safe) of Ministry of Primary Industries, New Zealand. |
| Environmental Protection Authority (New Zealand) | Hazardous Substances and New Organisms Amendment Act 2015 |
| Approval Code | HSR006678 |

## SECTION 16 – OTHER INFORMATION

While Vetpak Limited in good faith has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Vetpak Limited accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

| | |
|---|---|
| New Zealand National Poison Information Centre: | 0800 764 766 |
| New Zealand Emergency Services: | 111 |
| Vetpak Limited: | +64 7 870 2024 |

Definitions and abbreviations

| | |
|---|---|
| PC – TWA | Permissible concentration – time weighted average |
| PC – STEL | Permissible concentration – short term exposure limit |
| IARC | International agency for research on cancer |
| ACGIH | American conference of Government Industrial Hygiene |
| STEL | Short term exposure limit |
| TEEL | Temporary emergency exposure limit |
| IDLH | Immediate dangerous to life or health concentration |
| OSF | Odour safety factor |
| NOAEL | No observed adverse effect level |
| LOAEL | Lowest observed adverse effect level |
| TLV | Threshold limit value |
| LOD | Limit of detection |
| OTV | Odour threshold value |
| BCF | BioConcentration factors |

**END OF SDS**