

Calcicarb® FG40

For further information, please see the relevant factsheet, or visit palmerminerals.co.nz

Precautions



1. Identification of the material and supplier

Product name: Calcicarb® FG40

Supplier: Palmer Industrial Minerals Ltd

Address: Peaches Rd, Mt Somers, RD1,
Ashburton 7771

Telephone number: 0800 303 980

Website: www.vlime.co.nz

Emergency telephone: 0800 POISON or 0800 746766

2. Hazards identification

Flammability: Non-combustible

Reactivity: Extremes of temperature

Personal protection: Wear a NIOSH / MSHA approved dust mask, eye protection and skin protection

Swallowed: None

Eye: Irritation of cornea. Mildly alkaline
pH 10.5 approximately

Skin: Skin contact may cause mechanical irritation
resulting in redness and itching

Inhaled: May irritate the respiratory system

Chronic exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure

Eye: May be irritating to eyes. The symptoms may include redness, itching and tearing

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3. Composition / information on ingredients

CAS No	Name	Proportion
471-31-1	Calcium carbonate	100%

4. First aid measures

Inhalation: If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention

Ingestion: Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention

Skin: Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention

Eye: If dust in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention

5. Fire fighting measures

Suitable Extinguishing Media: Use appropriate fire extinguisher for surrounding environment.

Hazards from Combustion Products: Non combustible material, however on burning will emit smoke, dust, carbon dioxide and corrosive fumes of calcium oxide.

Specific Hazards: The product is not combustible, however the packaging may burn under fire conditions. At 825°C calcium carbonate decomposes and gives off carbon dioxide and corrosive fumes of calcium oxide.

Precautions in connection with Fire: Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers

6. Accidental release measures

Emergency Procedures: Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash surfaces well with soap and water. Seal all wastes in labelled plastic containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations

7. Handling and storage

Precautions for Safe Handling: Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere

Avoid inhalation of dust, and skin or eye contact.

Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled, corrosion -resistant containers. Keep containers tightly closed. Store away from bases, water and other incompatible materials. Have appropriate fire extinguishers available in and near the storage area

Ensure that storage conditions comply with applicable local and national regulations

8. Exposure controls / personal protection

Exposure limits (TWA): 10mg/m³ inspirable dust as bentonite (clay) dust, 0.2mg/m³ respirable dust as quartz, 0.1mg/m³ respirable dust as cristobalite

Ventilation: Dust control/extraction to meet exposure standards

Personal protection: Wear a NIOSH / MSHA approved dust mask, eye protection and skin protection

Flammability: Non flammable

9. Physical and chemical properties

UN number: N/A

DG class: N/A

Hazchem code: N/A

Toxic substances sch.: N/A

Chemical name: Calcium Carbonate CaCO₃

Physical description / properties: White powder or colourless crystals

Decomposition temp.: 825-1339°C

Melting point: 825-1339°C

Specific gravity: 2.7-2.9g/cm³

pH (5% dispersion): 8.0-9.0 (aqueous slurry)

10. Stability and reactivity

Chemical Stability: Stable under normal conditions of storage and handling

Conditions to Avoid: Extremes of temperature and direct sunlight. Dust accumulation

Incompatible Materials: Strong oxidising agents

Hazardous Decomposition Products: Thermal decomposition may result in the release of toxic and/or irritating fumes, including carbon dioxide and corrosive fumes of calcium oxide

Hazardous Polymerization: Will not occur

11. Toxicological information

Toxicology Information: No toxicity data available for this product.

Inhalation: Inhalation of dusts may irritate the respiratory system.

Ingestion: Ingestion of very large quantities may result in intestinal obstruction and/or constipation. Considered to be of low toxicity.

Skin: Skin contact may cause mechanical irritation resulting in redness and itching.

Eye: May be irritating to eyes. The symptoms may include redness, itching and tearing.

Chronic Effects: Chronic exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure.

12. Ecological information

Ecotoxicity: No ecological data are available for this material

Environment Protection: Prevent this material entering waterways, drains and sewers

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VICTORY LIME

SLC SPRINGFIELD
LIME COMPANY

For more information
on our products,
please get in touch:



0800 303 980



admin@palmerresources.co.nz



Peaches Rd, Mt Somers, RD1, Ashburton 7771



www.vlime.co.nz

13. Disposal considerations

Product Disposal: Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. The product should be rendered non-hazardous before being sent to a licensed landfill facility. Do not dispose directly into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.

In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

13. Disposal considerations (cont.)

Container Disposal: The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.

Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.

In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

14. Transport information

Not classified as Dangerous Goods for transport according to the NZS 5433:2007 Transport of Dangerous Goods on Land.

15. Regulatory information

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001

All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted