

Material Safety Data Sheet

Fine ground limestone (Ca Co³)

July 2018



Section 1 – PRODUCT AND COMPANY INFORMATION

Product Name Fine Ground Limestone (Ca Co³)
Synonyms lime flour, G1, fine ground limestone, calcium carbonate
Appearance White powder
Odour Odourless
Uses Neutrilisation, Flocculation, Flux, Caustic Agent, Absorbent, PH correction, calcium supplement, Agriculture

Supplier information Websters Hydrated Lime Co Ltd
641 middle Rd
P.O. Box 8046
Havelock North
Hawkes Bay
(06) 8777617
www.whlc.co.nz

Emergency Contact National Poison Centre (0800) 764 766
Websters Lime (06) 877 7617

Section 2 – HAZARD IDENTIFICATION

Health Hazards

Use safe work practices to avoid eye - skin contact and dust generation-summary inhalation.
Once water is added an inhalation hazard is not anticipated.

Respiratory effects Are not anticipated with over exposure at high levels due to the immediate irritant and/or corrosive effects.

Eye Irritant. Exposure may result in pain, redness,

Inhalation Over exposure to powder - dust (when mixing) may result in severe mucous membrane irritation of nose and throat, coughing and bronchitis at high levels.

Skin Corrosive Prolonged and repeated contact may result in skin rash, dermatitis.

Ingestion Corrosive Ingestion may result in nausea, vomiting, abdominal pain and diarrhea.

Flammability Non flammable

Reactivity Incompatible (violently) with acids, maleic anhydride, nitroethane, nitromethane, nitroparaffins, nitropropane, water and phosphorus.

Ventilation Do Not Inhale Dust

Section 3 – Composition Information on Ingredients

Ingredients Lime Stone – Calcium Carbonate – CaCo³

Section 4 First Aid

Eye Contamination Get Medical help Immediately. Flush gently with running water, holding eyelids open under water for 20minute period.

Symptoms **Inhalation** May Cause pain, redness, watering, can cause serious eye irritation

If over exposure occurs leave exposure area immediately. If anything other than minor symptoms are displayed seek immediate medical attention.

Symptoms **Skin Exposure** May Cause respiratory irritation and coughing

Remove contaminated clothing and gently flush affected areas with plenty of water.
Seek medical attention if irritation develops. Launder clothing before reuse.

Symptoms **Ingestion** May Cause skin irritation, itching, irritation,

If poisoning occurs, contact a Doctor or Poisons Information Centre on (0800) 764 766.
Seek immediate medical attention.

Symptoms stomach ache

If medical attention is necessary ensure you inform them that lime is a strong Alkaline

Section 5 Fire Fighting

Suitable	Use any extinguisher suitable for the surrounding area.
Not Suitable	Do not use water based extinguisher on Burnt Lime except if you are using large amounts of water to extinguish small amount of burnt lime.
Flash point	Non Combustible
General Hazard	Avoid breathing dust (caustic)
Fire Equipment	Fine ground lime poses no fire- related hazard
Combustion Products	N/A

Section 6 Accidental Release

Spillage	If spilt (bulk), contact emergency services where appropriate. Wear dust-proof goggles, PVC/rubber gloves, a Class P2 (Particulate) respirator (where an inhalation risk exists) coveralls and rubber boots. Clear area of all unprotected personnel. Prevent spill entering drains or waterways. . Avoid generating dust.
Environment	The aquatic toxicity of Fine ground lime is due to it's alkalinity. Fine Ground Lime does not bio accumulate in the environment.
Spill Containment	Remove unspent containers from the area and approached spill area from a windward direction. Prevent material from entering sewers, drains and other confined spaces. Sweep or vacuum up the excess material, do not create dust DO NOT TRY AND HOSE AREA DOWN OR INTRODUCE ANY WATER.

Section 7 Handling and storage

Safe handling	Ensure you are wearing correct PPE while working with this material once finished handling wash hands and forearms to remove any residual dust, ensure you use plenty of water and soap to avoid ingesting any limestone. Avoid contamination do not get in eyes mouth, or on skin or clothing. Do not ingest or release to the environment.
Safe Storage	Store in original container in a dry and well ventilated area. Store away from non compatible materials. Ensure the product remains dry and out of direct sunlight. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use. Storage Store in cool, dry, well ventilated area, removed from acids, maleic anhydride, nitroethane, nitromethane, nitroparaffin, nitropropane, phosphorus and foodstuffs. Waste Neutralise with dilute acid (eg. 3 mol/L hydrochloric acid) or similar. For small Disposal amounts absorb with sand or similar and dispose of to an approved landfill site. Contact manufacturer for additional information. Transport Not regulated for transport purposes.

Section 8 Exposure controls and personal protection

Engineering controls	If operation causes dust, fumes of gas, use process enclosures, local exhaust fans or other appropriate engineering controls to segregate dust from workers.
Individual controls	
Hygiene	Ensure you maintain high levels of personal hygiene when using material, wash hands and fore arms with soap and lots of water, remove contaminated clothes and wash as required. Ensure eyewash station and safety shower are available if needed.
Respiratory	Use a properly fitted, particulate filter. Filter selection must be based on anticipated exposure levels and sizing of material. Where an Inhalation risk exists, wear a Class P1 (Particulate) Respirator. At high dust levels wear a Powered Air Purifying Respirator (PAPR) with Class P3 (Particulate) filter or a Full-face Class P3 (Particulate) respirator
Hands	Chemical resistant, impervious gloves, should be worn at all times when handling material, ensure burnt lime dose not enter the gloves or contaminate the cuffs as this may lead to skin irritation.
Eyes	Wear sealed goggles at all times while handling burn lime
Skin	Wear coveralls to limit skin exposure

Section 9 Physical and Chemical Properties

Flammability	N/A
Flash Point	N/A
Boiling Point	N/A
Melting Point	N/A
Exposure	Std (TWA) 5 mg/m ³ Calcium carbonate
Evaporation Rate	NON VOLATILE ph 12.4 %
Volatiles	N/A
Specific Gravity	2.24
Solubility	INSOLUBLE
Vapor Pressure	N/A
Upper Explosion limit	N/A
Lower Explosion limit	N/A
Decomposition Temp	580C AMBER

Section 10 Stability and reactivity

Reactivity	Reacts violently with strong acids.
Chemical Stability	The product is stable

Section 11 Toxicology

Exposure	Dermal contact, eye contact, inhalation, ingestion.
Acute toxicology	N/A
Irritation	N/A
Sensitisation	N/A
Health Effects	
General	Causes damage to organs through prolonged repeat exposure
Inhalation	Repeat exposure can cause mucous membrane irritation, bronchitis and pneumonia
Ingestion	Repeat exposure can cause mucous membrane irritation, bronchitis and pneumonia
Skin Contact	Prolonged exposure and irritate skin
Eye Contact	Exposure can cause lens scratches, and Ph anomalies

Section 12 Ecology

Eco toxicity	Toxic to aquatic life
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Section 13 Disposal

Disposal Methods	Disposal of this product should comply with the requirements of environmental protection and waste disposal legislation and any regional requirements influencing the dumping of material.
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Section 14 Transport

	DOT Classification	TDG Classification	IMDG	IATA
UN Number	N/A	N/A	N/A	N/A
UN Proper Shipping Name	-	-	-	-
Transport Hazard Class	-	-	-	-
Packaging Group	-	-	-	-
Environmental Hazard	No	No	No	No

Section 15 Regulatory information

NZloc	All components are listed or exempt
HSNO #	Calcium Oxide: HSR002926
HSNO Group	N/A
HSNO Classification	6.3 skin irritant – Cat A 8.3 Corrosive of ocular tissue – Cat A 6.9 Specific Target Organ Toxicology – Cat B 9.1 Aquatic Eco toxicity – Cat D

Section 16 Other information

Date of preparation: 2nd July 2018

