

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Lime
Other Names:	Calcium carbonate, Lime, Ground limestone, Calcite
Product Code:	
Recommended Use:	For use as a fertiliser and animal supplement
Restrictions of Use:	Refer to Section 15
Company Identification:	Ravensdown Limited
Address:	292 Main South Road, Hornby, Christchurch, 8042 PO Box 1049, Christchurch 8011
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Phone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency Phone Number:	111 - tell operator what service is needed: Fire, Ambulance or Police
Date of SDS Preparation	24 June 2026 v2

Section 2: HAZARD IDENTIFICATION

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No:	Fertilisers (subsidiary) – HSR002571
Pictograms:	
Signal Word:	Warning

HSNO Classification	Hazard Code	Hazard Statement
Eye irritation Cat. 2	H319	Causes serious eye irritation.

Prevention Code	Prevention Statement
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
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.

Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Calcium carbonate	471-34-1	70-99

Section 4: FIRST AID MEASURES

Routes of Exposure:	
If in eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If on skin:	Wash effected area with water and then soap and water. Wash hands thoroughly before eating. Remove contaminated clothing. Seek medical attention if needed.
If ingested:	If large quantities have been swallowed, give 1 or 2 glasses of fluids to dilute (if conscious) – seek medical attention. Never give anything by mouth to an unconscious person.
If inhaled:	Remove patient from area of exposure. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if patient is not breathing. Seek medical advice if needed.
Most important symptoms and effects, both acute and delayed	
Symptoms:	Refer to Section 11 for all symptoms.
Eyes:	Causes serious eye irritation.
Skin:	Not applicable.
Ingested:	Not applicable.
Inhaled:	Not applicable.

Section 5: FIRE FIGHTING MEASURES

Hazard Type	Non Flammable
Hazards from combustion products	No data available.
Suitable Extinguishing media	Use extinguishing media suitable for surrounding area.
Precautions for firefighters and special protective clothing	No data available.
HAZCHEM CODE	None allocated.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	
Wear appropriate protective clothing as detailed in Section 8. Exclude non-essential people from the area.	
Environmental precautions:	
Avoid unintended release of excessive amounts into waterways or sewers. If spill does enter waterway contact local authority.	
Methods and material for containment and cleaning up:	
Sweep up as much as possible. Avoid generating dusts. If required, dispose of waste safely and responsibly in an approved landfill.	

Section 7: HANDLING AND STORAGE

Handling:	Wash hands thoroughly after handling. Wear protective clothing as detailed in Section 8. Avoid generating dust.
Storage:	Store in a cool, dry, well ventilated area. Store away from incompatible materials listed in Section 10.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Calcium carbonate [471-34-1]	-	10	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices FEB 2025 15TH EDITION.

Engineering Controls:	Handle in well-ventilated area. Avoid inhalation of dust. Dust mask if dust is a nuisance. Use local extraction to control dusts.
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Personal Protection Equipment:

Eyes:	Safety glasses. If dust present wear goggles. Eye wash facilities should be available.
Skin/Hands:	Overalls, gloves.
Respiratory:	Dust mask.
General:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid Fine lime = 95% < 100 micron Ag Lime = 95% <2mm, 50% 0.5mm
Colour	White to off white / yellow
Odour	Odourless
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	825°C
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	2.7 g/cm ³
Bulk Density	2700 kg/m ³
Water Solubility	Negligible
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10: STABILITY AND REACTIVITY

Stability of Substance	Stable under normal conditions.
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Possibility of hazardous reactions	Not available
Conditions to Avoid	Acids, fluorine, ammonium salts, alum (oxidising agents), Will burn fiercely in contact with fluorine, hygroscopic.
Incompatible Materials	No data available.
Hazardous Decomposition Products	None known.

Section 11: TOXICOLOGICAL INFORMATION

Under normal conditions of use adverse health effects are not anticipated. This product is generally considered to be of low toxicity, however over exposure to any dust should be avoided. Use safe work practices to avoid direct eye contact or prolonged skin contact and dust generation or inhalation.

Acute Effects:

Swallowed	Not applicable. LD50: 6450 mg/kg, oral, rat
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes severe eye irritation.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12: ECOLOGICAL INFORMATION

This product is not hazardous to the environment.

Product:	
Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in Soil	No data available.
Other adverse effects	Avoid washing excessive amounts into streams and waterways. Avoid unintended release into the environment.

Section 13: DISPOSAL INFORMATION

Disposal Method:	Observe any local authority restrictions that may apply. Collection into sealable containers and dispose of responsibly into an approved land fill.
Container Disposal:	Rinse containers thoroughly prior to re-use. Otherwise render unusable and dispose of responsibly according to waste management program on site.
Precautions or methods to avoid:	None known.

Section 14: TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020

Section 15: REGULATORY INFORMATION

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020	
EPA Approval Code:	Fertilisers (subsidiary) – HSR002571
GHS Classification:	Eye irritation Cat. 2

HSW (HS) Regulations 2017	Trigger Quantity
Signage Trigger Quantities (Schedule 3)	Not required
Emergency Response Plan (Schedule 5)	Not required
Secondary Containment (Schedule 5)	Not required
Location Certificate	Not required
Tracking (Schedule 26)	Not required
Certified Handlers	Not required
Restrictions of use	None known.

Section 16: OTHER INFORMATION

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices FEB 2025 15th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact Ravensdown, if further information is required.

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