

## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

### Section 1. Identification of the material and the supplier

Product: **Lime Flour**  
 Product Use: Animal Health product; prevention of milk fever in dairy cows and calcium deficiency in grazing livestock  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Hatuma Lime Company Ltd**  
 Address: 520 Maharakeke Road  
 RD1, Waipukurau, 4281

Telephone: +64 6 858-8567  
 Fax Number: +64 6 858-8018

**Emergency Telephone: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 11 September 2019

### Section 2. Hazards Identification

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

**EPA Approval No: Animal Nutritional and Animal Care Products – HSR002521**

#### Pictograms



Irritant

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1E (Resp)	H335	May cause respiratory irritation.	STOT SE 3
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A

Prevention Code	Prevention Statement
P103	Read label before use.
P261	Avoid breathing dust and fumes.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing.

Response Code	Response Statement
P310	Immediately call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing and wash before re-use.

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

<b>Storage Code</b>	<b>Storage Statement</b>
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Limestone	>65	1317-65-3

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: get medical advice/attention.
If Swallowed	Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

#### Most important symptoms and effects, both acute and delayed

Symptoms:

<b>Ingestion:</b>	Not applicable.
<b>Inhalation:</b>	May cause respiratory irritation.
<b>Skin:</b>	Causes skin irritation.
<b>Eye:</b>	Causes serious eye damage.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non-Flammable /Non-combustible
<b>Hazards from combustion products</b>	Decomposes on heating emitting toxic fumes, including those of carbon dioxide.
<b>Suitable Extinguishing media</b>	Use extinguishing media appropriate for surrounding fire.
<b>Precautions for firefighters and</b>	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

<b>special protective clothing</b>	Keep containers cool with water spray.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

**Section 6. Accidental Release Measures**

Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Clear area of any unprotected personnel.

Do not allow to enter into surface water or drains.

Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash area down with detergent and excess water. Dispose according to Local Regulations.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Read label before use.
- Avoid breathing dust and fumes.
- Wash hands thoroughly after handling.
- Avoid skin and eye contact and breathing in dust.
- Avoid handling which leads to dust formation.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Store in a dry, cool, well-ventilated place.
- Store only in original container.
- Protect from moisture.
- Keep containers closed when not in use - check regularly for spills.

**Section 8 Exposure Controls / Personal Protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits.

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.

**Engineering Controls**

Ensure ventilation is adequate.

**Personal Protection Equipment**



<b>Eyes</b>	Tightly fitting safety glasses with side shields. Avoid wearing contact lenses.
<b>Skin</b>	Wear impervious gloves. Wear protective clothing.
<b>Respiratory</b>	Wear a dust mask/respirator meeting the requirements of AS/NZS 1715 and

	AS/NZS 1716.
<b>General</b>	Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Fine ground calcium carbonate
<b>Colour</b>	White
<b>Odour</b>	None
<b>Odour Threshold</b>	Not available
<b>pH</b>	8.5
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Relative Density</b>	Not available
<b>Water Solubility</b>	Non water soluble
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	825°C
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Dusty

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Avoid dust generation. Avoid exposure to moisture.
<b>Incompatible Materials</b>	Incompatible with acids, strong oxidising agents, ammonium salts
<b>Hazardous Decomposition Products</b>	Carbon dioxide.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Eye</b>	Causes serious eye damage.
<b>Skin</b>	Causes skin irritation.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.

**Section 12. Ecotoxicological Information**

This product is not hazardous to the environment.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

**Section 13. Disposal Considerations**

**Disposal Method:** Triple Rinse container and dispose of according to local regulations.

**Precautions and methods to avoid:** None known.

**Section 14 Transport Information**

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

**Section 15 Regulatory Information**

EPA Approval Code: Animal Nutritional and Animal Care Products – HSR002521

HSNO Classification: 6.1E(Resp), 6.3A, 6.4A

HSNO Controls:

Trigger quantities for this substance:

	<b>Trigger Quantity</b>
Certified Handlers	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	Only use for the intended purpose.

**Section 16 Other Information****Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).

4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

#### Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have 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, TCC (NZ) Ltd accept 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

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Please contact the New Zealand distributor, Hatuma, if further information is required.

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