



**GRAYMONT**

## SAFETY DATA SHEET

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

Product: **Industrial Fine Lime, Taylocarb**  
 Product Use: Neutralisation, desulphurisation, flux, aggregates, mineral filler, liming, lime, feed ingredient.  
 Restriction of Use in NZ: Refer to Section 15

New Zealand Supplier: **Graymont NZ**  
 Address: Hamilton Regional Office  
 214 Collingwood Street, Level 4  
 Hamilton, 3204

Telephone: +64 7 839 3210  
 Toll Free 0800 245 463

**Emergency No: 0800 764 766 (National Poison Centre)**  
**Website: www.graymont.com**

Date of SDS Preparation: 5 October 2022

### Section 2. Hazards Identification

Classified as hazardous as per EPA Hazardous Substances (Classification) Notice 2020.

**EPA Approval No: Construction Products (Carcinogenic) – HSR002545**

#### Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Carcinogenicity Cat. 1	H350	May cause cancer.
Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.

Prevention Code	Prevention Statement
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust, fumes, gas, mist, vapours or spray.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P314	Get medical advice/attention if you feel unwell.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

<b>Storage Code</b>	<b>Storage Statement</b>
P405	Store locked up.

<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Dispose of according to Local Regulations or Authorities as per Section 13.

<b>Section 3. Composition / Information on Hazardous Ingredients</b>
--

<b>Ingredients</b>	<b>Wt%</b>	<b>CAS NUMBER.</b>
Limestone	80 - 100	1317-65-3
Crystalline Silica	0.1 - 1	14808-60-7

Crystalline silica has been found in some products at or above detection level 0.1%. Concentration is dependent upon limestone source.

<b>Section 4. First Aid Measures</b>
--------------------------------------

Routes of Exposure:

- If in Eyes: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.
- If on Skin: Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- If Swallowed: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

Symptoms:

- Ingestion:** No known significant effects or critical hazards.
- Inhalation:** No known significant effects or critical hazards.
- Skin:** No known significant effects or critical hazards.
- Eye:** No known significant effects or critical hazards.
- Chronic:** May cause damage to organs through repeated or prolonged exposure. May cause cancer.

**Notes to Doctor:** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Non Flammable
<b>Hazards from products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides At 900°C calcium carbonate decomposes and gives off carbon dioxide and fumes of calcium oxide.
<b>Suitable Extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Precautions for firefighters and special protective clothing</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. This material is harmful to aquatic life.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

**Section 6. Accidental Release Measures****Personal precautions:**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

**Environmental precautions:**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Spill and Disposal procedures:**

**Small Spill:** Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container.

**Large Spill:** Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container.

Dispose of waste safely, according to local Council regulations as per Section 13.

**Section 7. Handling and Storage****Precautions for Handling:**

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Do not breathe dust, fumes, gas, mist, vapours or spray.
- Use personal protective equipment as required.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

- Workers should wash hands and face before eating, drinking and smoking.
- Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use.
- Do not get in eyes or on skin or clothing. Do not ingest.
- If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.
- Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.
- Empty containers retain product residue and can be hazardous. Do not reuse container.

**Precautions for Storage:**

- Store locked up.
- Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink.
- Keep container tightly closed and sealed until ready for use.
- Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
- Do not store in unlabelled containers.
- Use appropriate containment to avoid environmental contamination.

**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>
Limestone (Calcium carbonate)	[1317-65-3]	-	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 APRIL 2022 13<sup>TH</sup> EDITION.

**Engineering Controls**

If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Personal Protection Equipment**



<b>Eyes</b>	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: <u>chemical splash goggles and/or face shield.</u>
<b>Hands</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the

	protection time of the gloves cannot be accurately estimated.
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory</b>	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<b>General</b>	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Solid (or powder)
<b>Colour</b>	White to grey
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>pH</b>	8 to 9.2 @ 20°C
<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 Flammable
<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>	2.68 to 2.76
<b>Density</b>	2.68 to 2.76 g/cm <sup>3</sup>
<b>Water Solubility</b>	0.00066g at 20°C
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	900°C for 760mm pressure
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Do not allow limestone to come into contact with incompatible materials.
<b>Incompatible Materials</b>	Reactive or incompatible with the following materials: oxidising materials and strong acids.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
------------------	-----------------

Product Name: **Industrial Fine Lime**  
Date of SDS: 5 October 2022

SDS Prepared by: Nexreg Compliance Inc.  
Tel: +1-519-488-5126

<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

**Chronic Effects:**

<b>Carcinogenicity</b>	May cause cancer.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	May cause damage to organs through repeated or prolonged exposure.

**Section 12. Ecotoxicological Information**

No known significant effects or critical hazards.

<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:**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

**Precautions or methods to avoid:** Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**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: **Construction Products (Carcinogenic) – HSR002545**

<b>HSW (HS) Regulations 2017 and EPA Notices</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required

Emergency Response Plan	1000kg
Secondary Containment	1000kg
Restriction of Use	Only use for the intended purpose.

## Section 16 Other Information

### Glossary

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
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

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 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

This document was created by a 3rd party service that has advertised to Nexreg Compliance, Inc. (Nexreg) specialized regulatory knowledge and capabilities in the region(s) where this document is stated to be compliant. We believe the statements, technical information, translations and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. In the event that there is a dispute regarding the document's compliance or content Nexreg will endeavour to provide all reasonable assistance to remedy the problem. It is ultimately the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use. The information herein is given in good faith, but no warranty, express or implied is made.

The information herein is given in good faith, but no warranty, express or implied is made.

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

Issue Date: 5 October 2022      Review Date: 5 October 2027