

### SECTION 1: Identification of the hazardous chemical and of the supplier

#### 1.1. Product identifier

Name : Kemaman Limestone Products

#### 1.2. Other means of identification

Other means of identification : CalCarb-PLUS, Calcium Carbonate

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Calcium supplement, a pH soil modifier, inert filler, processing aid.

#### 1.4. Supplier details

##### Supplier

GRAYMONT  
Level 9, 118 Mount St North  
2060 Sydney, NSW  
Australia  
T 1800 931 063

#### 1.5. Emergency phone number

Emergency number : Emergency phone number (in Malaysia): 60 3 6207 4347 (English, Malaysian) Available 24 hours a day / 7 days a week  
Emergency phone number (Asia-Pacific countries outside Malaysia): 65 3158 1074 (English, Bengali, Cantonese, Indonesian, Hindi, Japanese, Korean, Malay, Sinhalese, Urdu, Tagalog, Thai, Vietnamese) Available 24 hours a day / 7 days a week

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Carcinogenicity, Category 1A H350  
Specific target organ toxicity – Repeated exposure, Category 2 H373

#### 2.2. Label elements

##### Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Hazard pictograms (GHS MY) :



Signal word (GHS MY) : Danger  
Contains : Quartz  
Hazard statements (GHS MY) : H350 - May cause cancer  
H373 - May cause damage to organs through prolonged or repeated exposure  
Precautionary statements (GHS MY) : P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P281 - Use personal protective equipment as required  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P405 - Store locked up  
P501 - Dispose of contents/container to Specify in accordance with local/regional/national/international regulations

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### 2.3. Other hazards that do not result in classification

No additional information available

## SECTION 3: Composition and information of the ingredients of the hazardous chemical

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
Calcium carbonate	CAS-No.: 471-34-1	> 80
Dolomite (CaMg(CO <sub>3</sub> ) <sub>2</sub> )	CAS-No.: 16389-88-1	1 – 3
Quartz	CAS-No.: 14808-60-7	1 – 3

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

## SECTION 4: First-aid measures

### 4.1. Description of necessary first aid measures

First-aid measures general	: If exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: If swallowed: rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: May cause cancer. May cause damage to organs through prolonged or repeated exposure.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Do not use water jet.

### 5.2. Physicochemical hazards arising from the chemical

Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon. Calcium oxide.
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### 5.3. Special protective equipment and precautions for fire fighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment, and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and materials for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Minimise dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).  
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Do not breathe dust, fume, gas, mist, spray, vapours. Do not swallow. When using do not eat, drink or smoke. Good housekeeping is important to prevent accumulation of dust. Handle and open container with care.  
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Store locked up.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters

#### Quartz (14808-60-7)

#### Malaysia - Occupational Exposure Limits

Local name	Silika, berhablur (Kuarza) # Silica - Crystalline (Quartz)
PEL (OEL TWA)	0.1 mg/m <sup>3</sup> (respirable fraction)
MEL (mg/m <sup>3</sup> )	0.3 mg/m <sup>3</sup>

#### Exposure limit values for the other components

No additional information available

#### 8.1.1 Biological monitoring

No additional information available

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### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.3. Individual protection measures, such as PPE

#### Hand protection:

Wear suitable gloves. Consult glove manufacturer's product information on material suitability and material thickness.

#### Eye protection:

Safety glasses or goggles are recommended when using product.

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. 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. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: White to off-white
Odour	: Odourless
Odour threshold	: No data available
pH	: 9 (aqueous slurry)
Melting point	: 825 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability	: Not flammable
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Solubility	: Not applicable.
Partition coefficient n-octanol/water	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 825 °C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

## SECTION 10: Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use
Chemical stability	: Stable under normal conditions
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use
Conditions to avoid	: Extreme temperatures, Direct sunlight, Dust generation, Incompatible materials
Incompatible materials	: Strong acids, Strong oxidizing agents
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon, calcium oxide

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.  
Acute toxicity (dermal) : Not classified.  
Acute toxicity (inhalation) : Not classified.

Calcium carbonate (471-34-1)	
LD50 oral rat	6450 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)
LC50 inhalation rat	> 3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

Skin corrosion or irritation : Not classified.  
pH: 9 (aqueous slurry)

Serious eye damage or eye irritation : Not classified.

Respiratory sensitization : Not classified.

Skin sensitization : Not classified.

Germ cell mutagenicity : Not classified.

Carcinogenicity : May cause cancer.

Reproductive toxicity : Not classified.

Specific target organ toxicity (STOT) – single exposure : Not classified.

Specific target organ toxicity (STOT) – repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Calcium carbonate (471-34-1)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	≥ 0.212 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Quartz (14808-60-7)	
Specific target organ toxicity (STOT) – repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Additional information	Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a scarring of the lungs. This disease may be disabling as it reduces lung capacity. The risk of contracting silicosis and the severity of the disease is related to the amount of dust exposure and the length of time (usually years) of exposure.

Aspiration hazard : Not classified.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

Ecology - general : No known significant effects or critical hazards.

Hazardous to the aquatic environment, short-term (acute) : Not classified.

Hazardous to the aquatic environment, long-term (chronic) : Not classified.

Other information : No other effects known.

Dolomite (CaMg(CO <sub>3</sub> ) <sub>2</sub> ) (16389-88-1)	
BCF - Fish [1]	(no known bioaccumulation)

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Calcium carbonate (471-34-1)	
EC50 72h - Algae [1]	> 14 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
BCF - Fish [1]	(no bioaccumulation)

### 12.2. Persistence and degradability

Kemaman Limestone Products	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Kemaman Limestone Products	
Bioaccumulative potential	Not established.

Dolomite (CaMg(CO <sub>3</sub> ) <sub>2</sub> ) (16389-88-1)	
BCF - Fish [1]	(no known bioaccumulation)

Calcium carbonate (471-34-1)	
BCF - Fish [1]	(no bioaccumulation)

### 12.4. Mobility in soil

Kemaman Limestone Products	
Mobility in soil	No additional information available

### 12.5. Other adverse effects

Ozone : Not classified.  
Other adverse effects : No additional information available

## SECTION 13: Disposal information

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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## SECTION 14: Transportation information

### 14.1. UN number

UN-No.(UN RTDG) : Not regulated  
UN-No. (IMDG) : Not regulated  
UN-No. (IATA) : Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (UN RTDG) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated

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### 14.3. Transport hazard class(es)

#### UN RTDG

Transport hazard class(es) (UN RTDG) : Not regulated

#### IMDG

Transport hazard class(es) (IMDG) : Not regulated

#### IATA

Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing Group, if applicable

Packing group (UN RTDG) : Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available.

### 14.6. Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not applicable

### 14.7. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### UN RTDG

No data available

#### IMDG

No data available

#### IATA

No data available

### 14.8. Hazchem or Emergency Action Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health, and environmental regulations specific for the hazardous chemical in question

Regulation	Component/ Mixture
EHS Notification and Registration Scheme	Not applicable
EHS Notification and Registration Scheme	Kemaman Limestone Products
Environmental Quality (Chlorofluorocarbons Prohibition) Order 1993	Kemaman Limestone Products
Environmental Quality (Industrial Effluent) Regulations 2009	Kemaman Limestone Products
Environmental Quality (Scheduled Wastes) Regulations 2007	Kemaman Limestone Products
Control of Industrial Major Accident Hazards Regulations 1996	Kemaman Limestone Products
Prohibition of Use of Substance Order 1999	Kemaman Limestone Products

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Use and Standards of Exposure of Chemical Hazardous to Health Regulations 2000	Chemicals requiring medical surveillance	Free crystalline silica
Chemical Weapons Convention Act	Not applicable	Kemaman Limestone Products
Corrosive and Explosive Substances and Offensive Weapons Act		Kemaman Limestone Products
Dangerous Drugs Act		Kemaman Limestone Products
Pesticides Act		Kemaman Limestone Products
Petroleum (Safety Measures) Act		Kemaman Limestone Products
Poisons Act 1952		Kemaman Limestone Products
Poisons (Psychotropic Substances) Regulations 1989		Kemaman Limestone Products

### 15.2. International agreements

No additional information available

### SECTION 16: Other information

Version : 1.0  
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Expiry date : 12/8/2029  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)





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### Abbreviations and acronyms

: MY ABBREV  
°C – Degrees Celsius  
°F – Degrees Fahrenheit  
ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ACGIH – American Conference of Governmental Industrial Hygienists  
ATE – Acute Toxicity Estimate  
BCF – Bioconcentration Factor  
BEI – Biological Exposure Index  
CAS – Chemical Abstracts Service  
cP – centipoise (unit of dynamic viscosity)  
cSt – centistokes (unit of kinematic viscosity)  
DNEL – Derived No-effect Level  
EC50 – Half maximal effective concentration  
ECHA – European Chemicals Agency  
EC-No. – European Community number  
EU – European Union  
GHS – Globally Harmonized System of Classification and Labelling of Chemicals  
h – Hours  
IATA – International Air Transport Association  
IDLH – Immediately Dangerous to Life or Health  
IMDG – International Maritime Dangerous Goods  
IOELV – Indicative Occupational Exposure Limit Value  
kPa – kilopascal  
Kow – Octanol-Water Partition Coefficient  
LC50 – Median Lethal Concentration  
LD50 – Median Lethal Dose  
mg/l – Milligram per liter  
mg/kg – Milligram per kilogram  
mg/m<sup>3</sup> – Milligram per cubic meter  
Min – Minutes  
NIOSH – National Institute for Occupational Safety and Health  
NOEC – No Observed Effect Concentration  
N.O.S. – Not Otherwise Specified  
OEL – Occupational Exposure Limit  
PBT - Persistent, Bioaccumulative and Toxic  
ppm – Parts per million  
PVC – Polyvinyl chloride  
RTDG - Recommendations on the Transport of Dangerous Goods  
SDS – Safety Data Sheet  
STEL – Short Term Exposure Limit  
TLV – Threshold Limit Value  
TWA – Time Weighted Average  
UN – United Nations  
vPvB - Very Persistent and Very Bioaccumulative

### Other information

: In accordance with Industry Code of Practice on Chemicals Classification and Hazard Communication 2014; GHS - Globally Harmonized System of Classification and Labelling of Chemicals; ECHA - European Chemicals Agency; RTDG - Recommendations on the Transport of Dangerous Goods; IMDG - International Maritime Dangerous Goods; IATA - International Air Transport Association; ACGIH - American Conference of Government Industrial Hygienists; IARC - International Agency for Research on Cancer.

Full text of H-statements	
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
H350	May cause cancer
H373	May cause damage to organs through prolonged or repeated exposure

Safety Data Sheet (SDS), Malaysia - Nexreg 2021

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