

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015 Issue date: 2022-10-18 Revision date: 2022-10-18 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form Product name Product code Product type	 Mixture Dolomitic Hydrated Lime Type S Not available Solid
1.2. Recommended use and restriction	ns on use
Use of the substance/mixture	: Neutralization, flocculation, stabilization, polishing, masonry mortar, plaster, stucco, fresco paints and lime wash.
1.3. Supplier	
Manufacturer GRAYMONT #200-10991 Shellbridge Way Richmond, BC V6X 3C6 - Canada T 1 604 207-4292 - F 1 604 207-9014	Distributor Graymont Western US Inc 585 W Southridge Way Sandy, Utah 84070 - United States T +1 801-262-3942
1.4. Emergency telephone number	
Emergency number	: CHEMTREC, US (800-424-9300), INTERNATIONAL: (703-527-3887)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 1 Carcinogenicity Category 1A Specific target organ toxicity – Single exposure, Category 3 Specific target organ toxicity – Repeated exposure, Category 1

2.2. GHS Label elements, including precautionary statements

GHS labelling

Hazard pictograms (GHS)

Signal word (GHS) Hazard statements (GHS)

Precautionary statements (GHS)



- Do not breathe dust/tume/gas/mist/vapours/spray.
- Wash hands, forearms and face thoroughly after handling.

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Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

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

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Calcium hydroxide	Calcium hydroxide Calcium dihydroxide / Calcium hydroxide (Ca(OH)2) / Hydrated lime / Lime, hydrated / CALCIUM HYDROXIDE / Slaked lime	CAS-No.: 1305-62-0	50 – 75
Magnesium oxide (MgO)	Magnesium oxide (MgO) Calcined magnesite / Magnesium oxide / MAGNESIUM OXIDE / Magnesia	CAS-No.: 1309-48-4	50 – 75
Quartz	Quartz Quartz (SiO2) / Silica, crystalline, quartz / Crystalline silica, quartz / .alphaQuartz / Silica, crystalline, .alphaquartz / QUARTZ / Crystalline silica in the form of quartz / Quartz, silica / Quartz (respirable fraction) / Silica dust / Silica, crystalline- .alpha.quartz / Silica, .alphaquartz / Silicon dioxide / Silica, quartz / Silica, crystalline / Quartz (crystalline silica) / Silica dust, crystalline / QUARTZ POWDER / Silica, crystalline (quartz)	CAS-No.: 14808-60-7	0.0001 – 1

Comments

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

Any concentration shown as a range is to protect confidentiality or is due to batch variation. If a generic chemical name is shown and/or the CAS number is not disclosed, the specific chemical identity has been withheld as a trade secret.

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SECTION 4: First-aid measures

4.1. Description of first aid measures	à la chuir ann an t-airte ann an t-
First-aid measures general First-aid measures after inhalation	 IF exposed or concerned: Get medical advice/attention. If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
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. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and e	ffects (acute and delayed)
Symptoms/effects after inhalation Symptoms/effects after skin contact	 May cause irritation to the respiratory tract. Causes skin irritation. May cause burns in the presence of moisture. Symptoms may include redness, drying, defatting and cracking of the skin. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with
	skin. Handling can cause dry skin.
Symptoms/effects after eye contact	 skin. Handling can cause dry skin. Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after eye contact Symptoms/effects after ingestion	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

protection (SCBA).

SECTION 5: Fire-fighting measured	res
5.1. Suitable (and unsuitable) exting	uishing media
Suitable extinguishing media Unsuitable extinguishing media	Use extinguishing media appropriate for surrounding fire.Do not use water jet.
5.2. Specific hazards arising from th	e chemical
Fire hazard	: None.
5.3. Special protective equipment an	nd precautions for fire-fighters
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory

SECTION 6: Accidental release measures	
6.1. Personal precautions, protective equipm	nent 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

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6.1.2. For emergency responders No additional information available	
6.2. Environmental precautions	
Prevent entry to sewers and public wa	ters.
6.3. Methods and material for co	ontainment and cleaning up
For containment	: Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	: Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Provide ventilation. Avoid dust formation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 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. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Good housekeeping is important to prevent accumulation of dust. Wear appropriate PPE (see Section 8). 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 locked up. Store in a well- ventilated place. Store in dust-tight, dry, labelled containers. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters		
Dolomitic Hydrated Lime Type S		
No additional information available		
Calcium hydroxide (1305-62-0)		
Canada (Alberta) - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Canada (Quebec) - Occupational Exposure Limits		
VEMP (OEL TWA)	5 mg/m³	
Canada (British Columbia) - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Canada (Ontario) - Occupational Exposure Limits		
OEL TWA	5 mg/m³	

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Calcium hydroxide (1305-62-0)	
Canada (Saskatchewan) - Occupational Exposure L	imits
OEL TWA	5 mg/m ³
OEL STEL	10 mg/m³
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	5 mg/m³
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA [1]	15 mg/m³ (total dust) 5 mg/m³ (respirable fraction)
USA - NIOSH - Occupational Exposure Limits	·
NIOSH REL TWA	5 mg/m³
USA - MSHA - Occupational Exposure Limits	
MSHA PEL TWA 8/40 h	5 mg/m³
Magnesium oxide (MgO) (1309-48-4)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	10 mg/m³ (fume)
Canada (Quebec) - Occupational Exposure Limits	·
VEMP (OEL TWA)	10 mg/m³ (inhalable dust)
Canada (British Columbia) - Occupational Exposure	e Limits
OEL TWA	10 mg/m³ (fume, inhalable) 3 mg/m³ (respirable dust and fume)
OEL STEL	10 mg/m ³ (respirable dust and fume)
Canada (Ontario) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ (inhalable particulate matter)
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	10 mg/m³ (inhalable fraction)
OEL STEL	20 mg/m ³ (inhalable fraction)
USA - ACGIH - Occupational Exposure Limits	·
ACGIH OEL TWA	10 mg/m ³ (inhalable particulate matter)
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA [1]	15 mg/m ³ (fume, total particulate)
USA - IDLH - Occupational Exposure Limits	
IDLH	750 mg/m³ (fume)
USA - MSHA - Occupational Exposure Limits	
MSHA PEL TWA 8/40 h	10 mg/m ³ (inhalable particulate matter)
Quartz (14808-60-7)	
Canada (Alberta) - Occupational Exposure Limits	

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Quartz (14808-60-7)	
OEL TWA	0.025 mg/m ³ (respirable particulate)
Notations and remarks	Carcinogenicity A2
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure	Limits
VEMP (OEL TWA)	0.1 mg/m ³ (respirable dust)
Canada (British Columbia) - Occupational E	Exposure Limits
Local name	Silica, Crystalline - alpha quartz
OEL TWA	0.025 mg/m ³ (respirable)
Notations and remarks	ACGIH Carcinogenicity category A2; IARC group 1 carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Ontario) - Occupational Exposure	Limits
OEL TWA	0.1 mg/m ³ (designated substances regulation-respirable fraction (Silica, crystalline)
Canada (Saskatchewan) - Occupational Exp	posure Limits
OEL TWA	0.05 mg/m ³ (Trydimite removed-respirable fraction (Silica - crystalline (Trydimite removed))
USA - ACGIH - Occupational Exposure Lim	its
Local name	Silica crystaline - quartz
ACGIH OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
ACGIH chemical category	Suspected Human Carcinogen
Regulatory reference	ACGIH 2022
USA - OSHA - Occupational Exposure Limit	ts
Local name	Quartz (Total Dust) (Silica: Crystalline)
OSHA PEL TWA [1]	50 μg/m³ (Respirable crystalline silica)
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA) use formula: (30 mg/m3 / (%SiO2+2)) for mg/m3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
USA - IDLH - Occupational Exposure Limits	3
IDLH	50 mg/m ³ (respirable dust)
USA - NIOSH - Occupational Exposure Limit	its
NIOSH REL TWA	0.05 mg/m ³ (respirable dust)
USA - MSHA - Occupational Exposure Limit	ts
MSHA PEL TWA 8/40 h	30 mg/m ³ / (%SiO2) + 2 mg/m ³ (Total dust) 10 mg/m ³ / (%SiO2) + 2 mg/m ³ (Respirable dust)
8.2. Appropriate engineering controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
Environmental exposure controls	: Avoid release to the environment.

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8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear suitable gloves resistant to chemical penetration

Eye protection:

Wear eye/face protection

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.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and c	hemical properties
9.1. Information on basic physical and c Physical state Appearance Colour Odour Odour threshold pH Melting point Freezing point Boiling point Flash point Relative evaporation rate (butylacetate=1) Flammability Vapour pressure Relative vapour density at 20 °C / 68 °F Relative density	 solid Solid Powder. White Sweet No data available 12.45 saturated solution at 25°C / 77 °F No data available No tapplicable Not applicable 2.2 - 2.6
Solubility Partition coefficient n-octanol/water Auto-ignition temperature Decomposition temperature Viscosity, kinematic Viscosity, dynamic Explosive limits Explosive properties Oxidising properties	 Water: 0.1 g/100ml at 20°C / 68 °F Not applicable Not applicable 345 °C / 653 °F Not applicable No data available

9.2. Other Information

No additional information available

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SECTION 10: Stability and rea	activity
10.1. Reactivity	
No dangerous reactions known under n	ormal conditions of use.
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous rea	actions
No dangerous reactions known under n	ormal conditions of use.
10.4. Conditions to avoid	
Incompatible materials.	
10.5. Incompatible materials	
Oxidizing materials. Acids. Reactive ma	aterials.
10.6. Hazardous decomposition	products
Under normal conditions of storage and	use, hazardous decomposition products should not be produced.
SECTION 11: Toxicological in	nformation
11.1. Information on toxicologica	Il effects
Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.

Calcium hydroxide (1305-62-0)	
LD50 oral rat	7340 mg/kg
LD50 dermal rat	> 2500 mg/kg
LC50 inhalation rat	> 6.04 mg/l/4h
ATE CA (oral)	7340 mg/kg bodyweight
Magnesium oxide (MgO) (1309-48-4)	
LD50 oral rat	3870 mg/kg
ATE CA (oral)	3870 mg/kg bodyweight
Skin corrosion/irritation	Causes skin irritation.
	pH: 12.45 saturated solution at 25°C / 77 °F
Serious eye damage/irritation	Causes serious eye damage.
	pH: 12.45 saturated solution at 25°C / 77 °F
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	May cause cancer if inhaled. Risk of cancer depends on duration and level of exposure.
Quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	Known Human Carcinogens
In OSHA Hazard Communication Carcinogen list	Yes
Reproductive toxicity	Not classified.

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STOT-single exposure	: May cause respiratory irritation.
Calcium hydroxide (1305-62-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Quartz (14808-60-7)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified.
Dolomitic Hydrated Lime Type S	
Viscosity, kinematic	Not applicable
Symptoms/effects after inhalation	May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	Causes skin irritation. May cause burns in the presence of moisture. Symptoms may include redness, drying, defatting and cracking of the skin. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.
Symptoms/effects after eye contact	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms Other information	 May cause cancer. Causes damage to organs through prolonged or repeated exposure. Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general :	No known significant effects or critical hazards.	
12.2. Persistence and degradability		
Dolomitic Hydrated Lime Type S		
Persistence and degradability	Not established.	
12.3. Bioaccumulative potential		
Dolomitic Hydrated Lime Type S		
Partition coefficient n-octanol/water	Not applicable	
Bioaccumulative potential	Not established.	
Calcium hydroxide (1305-62-0)		
BCF - Fish [1]	(no bioaccumulation)	
12.4. Mobility in soil		
No additional information available		
12.5. Other adverse effects		
Other information :	No other effects known.	

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SECTION 13: Disposal considerations	\$
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.
SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA	
14.1. UN number	
Not regulated for transport	
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
Special transport precautions	: Do not handle until all safety precautions have been read and understood.
DOT No data available	
TDG No data available	
IMDG No data available	

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IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

15.3. US State regulations

🗥 WARNING:

This product can expose you to Silica, respirable crystalline, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
Calcium hydroxide(1305-62-0)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List; U.S Massachusetts - Right To Know List
Magnesium oxide (MgO)(1309-48-4)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List; U.S Massachusetts - Right To Know List
Quartz(14808-60-7)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List; U.S Massachusetts - Right To Know List

SECTION 16: Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015 Revision date : 10/18/2022

Other information Prepared by

- : None.
- : Nexreg Compliance Inc.

www.Nexreg.com



Full text of H-statements		
Carc. 1A	Carcinogenicity, Category 1A	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

SDS HazCom 2012 - WHMIS 2015 (Nexreg) - Section 15 2021

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