



Limestone

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 9/24/2009 Revision date: 1/4/2023 Supersedes: 3/18/2015 Version: 2.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Limestone
Product code : C-MS-AT-2025LV LIMESTONE
Other means of identification : VICRON® 8-30, VICRON® 10-20, VICRON® 10-22, VICRON® 15-15, VICRON® 25-11, VICRON® 31-6, VICRON® 41-8, VICRON® 45-3, VICRON® 200, MARBLEWHITE® 16-40, MARBLEWHITE® 30, MARBLEWHITE® 45, MARBLEWHITE® 80, MARBLEWHITE® 125, MARBLEWHITE® 195, MARBLEWHITE® 195D, MARBLEWHITE® 200, MARBLEWHITE® 300, MARBLEWHITE® 310, MARBLEWHITE® 325, MARBLEWHITE® 330, MARBLEWHITE® 330 AGA, MARBLEWHITE® 340, MARBLEWHITE® 350, ECO-CAL® 325, ECO-CAL® 340, VICAL® 100, VICAL® 195, VICAL® 200, VICAL® 800, VICAL® 900, VICAL® 1130, VICAL® 1600, VICAL® 1630, VICAL® 1640, VICAL® 1800, VICAL® 1830, VICAL® 2060, VICAL® 3005, VICAL® 4000, VICAL® 4005, VICAL® 4515, VICAL® 4565, VICAL® 5000, VICAL® 5020, VICAL® 5030, VICAL® 5060, VICAL® 5075, BUNKER-WHITE®, HIGH CALCIUM GRITS #6, CALCIUM GRITS #9, CALCIUM GRIT 610, CALCIUM GRIT 610G, MARBLE-PFIL® NATURAL, MARBLE-PFIL® ULTRA, MARBLE-MIX® NATURAL, MARBLE-MIX® ULTRA, METSTONE, VIROC® #1, VIROC® #2, VIROC® #3

1.2. Recommended use and restrictions on use

Recommended use : Mineral additive

1.3. Supplier

Specialty Minerals, Inc
P.O. Box 558
6565 Meridian Road
Lucerne Valley, CA 92356

Tel. 760-248-5300

1.4. Emergency telephone number

Emergency number : +1 760 476 3962
3E Global Emergency Response Services. Access code: 333336 (if you mention SDS name and company name-you don't need the access code)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Carcinogenicity Category 1A	H350	May cause cancer (Inhalation)
Specific target organ toxicity (single exposure) Category 1	H370	Causes damage to organs

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



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Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: H350 - May cause cancer (Inhalation) H370 - Causes damage to organs
Precautionary statements (GHS US)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe dust. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P280 - Wear eye protection, protective gloves, protective clothing. P307+P311 - If exposed: Call a poison center/doctor. P308+P313 - If exposed or concerned: Get medical advice/attention. P321 - Specific treatment (see supplemental first aid instruction on this label). P405 - Store locked up. P501 - Dispose of contents/container to an authorized waste collection point.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification	: Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract. Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.
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2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Calcium carbonate	CAS-No.: 1317-65-3	> 93	Not classified
Quartz	CAS-No.: 14808-60-7	0.1 - 1	Carc. 1A, H350 STOT SE 3, H335 STOT SE 1, H370

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

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If symptoms develop obtain medical attention.
First-aid measures after skin contact	: Remove contaminated clothing immediately and wash affected skin with plenty of water or soap and water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

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4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.
Symptoms/effects after inhalation	: Causes damage to organs (lungs) (if inhaled).
Chronic symptoms	: May cause cancer (if inhaled).

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Not combustible. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Specific hazards arising from the chemical

Fire hazard	: Not combustible.
Hazardous decomposition products in case of fire	: Decomposes at temperatures above (°C): 700. Carbon dioxide. Calcium oxide.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate area. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Where excessive dust may result, wear approved mask. Wear suitable protective clothing and eye or face protection.
Emergency procedures	: Ventilate area. Avoid dust formation. Do not breathe dust. Avoid contact with eyes, skin and clothing.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Stop leak, if possible without risk.
Methods for cleaning up	: Collect using vacuum cleaner fitted with HEPA filter. -OR-. Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. Do not dry sweep dust. Store away from other materials.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

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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. Provide adequate ventilation to minimize dust concentrations. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothing.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container closed when not in use. Store locked up.
Incompatible materials	: Acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available	
Calcium carbonate (1317-65-3)	
USA - OSHA - Occupational Exposure Limits	
Local name	Calcium Carbonate (Limestone; Marble)
OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ Total dust 5 mg/m ³ Respirable Fraction
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	10 mg/m ³ Total dust 5 mg/m ³ Respirable dust
Quartz (14808-60-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Silica crystalline - quartz
ACGIH TWA (mg/m ³)	0.025 mg/m ³ (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2022
USA - OSHA - Occupational Exposure Limits	
Local name	Quartz (Respirable) (Silica: Crystalline)
OSHA PEL (TWA) (mg/m ³)	0.05 mg/m ³ [Action level: 0.025 mg/m ³]
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formulas: (250 / (%SiO ₂ +5)) for mppcf and (10 mg/m ³ / (%SiO ₂ +2)) for mg/m ³ . CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

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8.2. Appropriate engineering controls

- Appropriate engineering controls : Provide appropriate exhaust ventilation at places where dust is formed. Ensure exposure is below occupational exposure limits (where available).
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:
In case of repeated or prolonged contact wear gloves. Gloves should be removed and replaced if there are any signs of degradation or breakthrough. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:
Wear safety glasses with side shields.
Skin and body protection:
Not required for normal conditions of use
Respiratory protection:
In case of insufficient ventilation and possible dust formation, wear suitable respiratory equipment. Dust mask or respirator

Thermal hazard protection:

Not required for normal conditions of use.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: White
Odor	: Odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 2.71
Solubility	: Water: Partially soluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: Calcium carbonate > 700°C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidizing.

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Contact with acids or strong heating liberates carbon dioxide, sometimes violently.

10.4. Conditions to avoid

Heat. Dust formation.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products

Contact with acids or strong heating liberates carbon dioxide, sometimes violently. Thermal decomposition generates : Calcium oxide.

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
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer (Inhalation).

Quartz (14808-60-7)

IARC group	1 - Carcinogenic to humans
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Reproductive toxicity	: Not classified
STOT-single exposure	: Causes damage to organs.

Quartz (14808-60-7)

STOT-single exposure	May cause respiratory irritation. Causes damage to organs (lungs) (Inhalation).
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STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.
Symptoms/effects after inhalation	: Causes damage to organs (lungs) (if inhaled).
Chronic symptoms	: May cause cancer (if inhaled).

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified.

12.2. Persistence and degradability

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Persistence and degradability	Not relevant for inorganic substances.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Bioaccumulation unlikely.
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12.4. Mobility in soil

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Ecology - soil	Not applicable.
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12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Additional information : Handle empty containers with care.

Ecology - waste materials : Avoid release to the environment.

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) : Not applicable

Proper Shipping Name (TDG) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

TDG

Transport hazard class(es) (TDG) : Not applicable

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IMDG

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

IATA

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

14.4. Packing group

Packing group (DOT) : Not applicable

Packing group (TDG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : No special precautions required

DOT

No data available

TDG

No data available

IMDG

No data available

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

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SARA Section 311/312 Hazard Classes	Health hazard - Carcinogenicity
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All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

Calcium carbonate (1317-65-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Quartz (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

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EU-Regulations

No additional information available


National regulations

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Determined as "Generally Recognized As Safe" (GRAS) by FDA - see 21 CFR 184.1409

Calcium carbonate (1317-65-3)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Quartz (14808-60-7)
Listed on IARC (International Agency for Research on Cancer) Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

 **WARNING:** This product can expose you to , 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 carbonate(1317-65-3)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Quartz(14808-60-7)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Revision date : 1/4/2023

Data sources : U.S. 29CFR Part 1910
ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
IARC Monographs on the Evaluation Carcinogenic Risks to Humans World Health Organization
EU Directive 91/322/EEC and 2000/39/EC
NTP 11th Report on Carcinogens. US OSHA HazCom (GHS) 25 May 2012.

Other information : None.

Full text of H-phrases	
H335	May cause respiratory irritation
H350	May cause cancer
H370	Causes damage to organs

Abbreviations and acronyms	
	ACGIH (American Conference of Government Industrial Hygienists)
	DOT (Department Of Transportation (US))
	CAS (Chemical Abstracts Service) number

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Abbreviations and acronyms	
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	NIOSH (National Institute for Occupational Safety and Health)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	PEL (Permissible Exposure Limit)
	STEL (Short Term Exposure Limit)
	TLV (Threshold Limit Value) (ACGIH)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)

NFPA health hazard

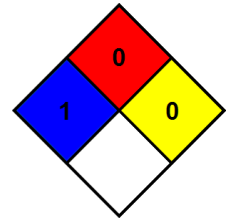
: 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard

: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health

: 1 Slight Hazard - Irritation or minor reversible injury possible
: * - Chronic (long-term) health effects may result from repeated overexposure

Flammability

: 0 Minimal Hazard - Materials that will not burn

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Indication of changes:			
Section	Changed item	Change	Comments
1	Identification	Modified	No additional information available
2	Hazards identification	Modified	No additional information available
3	Composition/Information on ingredients	Modified	No additional information available
4	First aid measures	Modified	No additional information available
5	Fire fighting measures	Modified	No additional information available
6	Accidental release measures	Modified	No additional information available
7	Handling and storage	Modified	No additional information available

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8	Exposure controls / Personal protection equipment	Modified	No additional information available
9	Physical and chemical properties	Modified	No additional information available
10	Stability and reactivity	Modified	No additional information available
11	Toxicological information	Modified	No additional information available
12.	Ecological information	Modified	No additional information available
15	Regulatory information	Modified	No additional information available
16	Other information	Modified	No additional information available

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