Dolomitic Limestone

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Rules and Regulations

Version 3.0

Date of issue: 11/20/2009 Revision date: 04/29/2026 Supersedes: 08/11/2014

SECTION 1: Identification

1.1 GHS Product identifier

Product name: Dolomitic Limestone

1.2 Other means of identification

Crushed Stone, Ag Lime, Dol Ag

1.3 Recommended use of the chemical and restrictions on use

Dolomitic limestone (calcium magnesium carbonate) is primarily used in construction applications including road base foundations, asphalt and ready mix, pipe bedding, trench backfill, and general construction uses.

1.4 Supplier's details

Name	Martin Marietta
Address	2700 Wycliff Road Suite 320 Raleigh NC 27607 USA
Telephone	(800) 648 - 7400

1.5 Emergency phone number

Available 24/7: U.S., CHEMTREC: 1-800-424-9300

Available 24/7: International, CHEMTREC: +1-703-527-3887

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

Not classified.

2.2 GHS label elements, including precautionary statements

No labeling applicable

2.3 Other hazards which do not result in classification

Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances

Component	Identification	Weight %
Dolomite ($CaMg(CO_3)_2$)	CAS no.: 16389-88-1 EC no.: 240-440-2	100 %

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
If inhaled:	If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
In case of skin contact:	Not expected to be an irritant. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
In case of eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, or redness persists.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects:	Not expected to present a significant hazard under anticipated conditions of normal use. Do not breathe dust.
Symptoms/effects after inhalation:	Inhalation may cause irritation, cough, shortness of breath.
Symptoms/effects after skin contact:	None under normal conditions.
Symptoms/effects after eye contact:	May cause eye irritation.

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

No special procedures required.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Suitable extinguishing media:	Not combustible. If there is a fire close by, use suitable extinguishing agents:
	water fog, carbon dioxide, dry powder, foam.
Unsuitable extinguishing media:	None known.

5.2 Specific hazards arising from the chemical

Explosive hazard:	Product is not explosive.
Reactivity:	Stable even under fire exposure conditions and not reactive with water.

5.3 Special protective actions for fire-fighters

Firefighting instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.

Further information

No additional risk management measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures:	Avoid creating or spreading dust.
For non-emergency personnel:	Avoid contact with skin and eyes. Evacuate unnecessary personnel.

For emergency personnel:	Avoid contact with skin and eyes.

6.2 Environmental precautions

Prevent entry to sewers and public waters.

6.3 Methods and materials for containment and cleaning up

For containment:	Contain and collect as any solid.
Methods for cleaning up:	Sweep or vacuum, without making dust, into appropriate containers; if appropriate, moisten first to prevent dusting.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:	Provide good ventilation in process area to prevent formation of dust. Avoid contact with skin and eyes.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking, and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in a dry, cool well ventilated place. Store in correctly labeled containers.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 16389-88-1 (EC: 240-440-2)
Dolomite ($CaMg(CO_3)_2$)
ACGIH (USA): 10 mg/m TWA; US/OSHA (USA): 15 mg/m PEL-TWA; 5 mg/m PEL-TWA

8.2 Appropriate engineering controls

Provide local exhaust or general room ventilation to minimize exposure to dust. Use engineering controls to eliminate or reduce exposure below exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or eye contact with this product. Where excessive dust may result, wear goggles.

Respiratory protection

Where excessive dust may result, used approved respiratory protection equipment

SECTION 9: Physical and chemical properties

Appearance, such as physical state and color	Gray to tan solid
Odor	Odorless
Odor threshold	Not applicable
pH	9 - 9.2 at 10%
Melting point and freezing point	2370°C / No data available
Initial boiling point and boiling range	2850 - 3600 °C
Flash point	No data available.
Evaporation rate	No data available.
Flammability, in the case of solids and gases	Nonflammable
Lower and upper explosion limit or lower and upper flammability limit	
Vapor pressure	No data available.
Relative vapor density	No data available
Relative density	2.8 - 2.9 g/cm3
Solubility	Water: 0.32 g/l
Partition coefficient — n-octanol/water (logarithmic value)	
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

Additional properties

Physical state	Solid
Color	Gray to Tan
Explosive properties	Product is not explosive.

Further safety characteristics (supplemental)

VOC Content:	0%

SECTION 10: Stability and reactivity

10.1 Reactivity

Normally stable, even under fire exposure conditions, and not reactive with water.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

No additional information available.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity (oral):	Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal):	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation):	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation:	Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation:	Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity:	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard:	Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (STOT)

STOT - single exposure:	Not classified (Based on available data, the classification criteria are not met)
STOT - repeated exposure:	Not classified (Based on available data, the classification criteria are not met)

Additional Information

Likely routes of exposure: Dermal; Inhalation

SECTION 12: Ecological information

12.1 Toxicity

Ecology – general: This product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2 Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative potential

Not established.

12.4 Mobility in soil

No additional information available.

12.5 Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1 Disposal methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

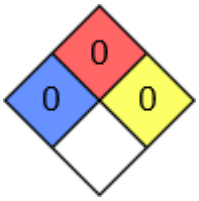
Not dangerous goods

SECTION 15: Regulatory information

Component	CAS no.	EC no.	TSCA (US)[1]	Pfas [2]	Canada[3]	CLP [4]	Csm[5]	SVHC[6]
Dolomite (CaMg(CO3)2)	16389-88-1	240-440-2	P	-	D	-	-	-

[1] TSCA (US): "P"—Public list, "C"—Confidential list
2 pfas: Per- and polyfluoroalkyl substances (any pfas listing)
3 Canada: "D"—Canadian Domestic Substances List, "N"—Canadian Non-Domestic Substances List
4 CLP: EU table of harmonized entries, (EC) No. 1272/2008, Annex VI
5 Csm: "p"—EU prohibited in cosmetics list, (EC) No. 1223/2009, Annex II, "r"—EU restricted in cosmetics list, (EC) No. 1223/2009, Annex III
6 SVHC: EU Substances of Very High Concern Candidate List.

NFPA Rating



NFPA health hazard: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

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.

SECTION 16: Other information

according to Federal Register / Vol. 89, No. 98/ Tuesday, May 20, 2024 / Rules and Regulations

Revision date: 04/29/2026

Data sources:

ACGIH 2000
Krister Forsberg and S. Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.
National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.
NIOSH Occupational Health Guide for Chemical Substances - Vol. II September 1978.
TRECS, June 1998
Sax - 8th ED. TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html.

Abbreviations and acronyms:

ACGIH: American Conference of Government Industrial Hygienists
CAS: Chemical Abstract Service number
GHS: Globally Harmonized System
OSHA: Occupational Safety & Health Administration
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average

16.1 Further information/disclaimer .

Disclaimer: The information contained in this document applies to this specific material as supplied and Martin Marietta believes that the information contained in this SDS is accurate. The suggested precautions and recommendations are based on recognized good work practices and experience as of the date of publication. They are not necessarily all-inclusive or fully adequate in every circumstance as not all use circumstances can be anticipated. It may not be valid for this material if it is used in combination with other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for one's own particular use. Since the actual use of the product described herein is beyond our control, Martin Marietta assumes no liability arising out of the use of the product by others. Appropriate warnings and safe handling procedures should be provided to handlers and users. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulation, rules or insurance requirement. However, products must not be used in a manner which could result in harm.

16.2 Preparation information .

Martin Marietta
2700 Wycliff Road
Suite 320
Raleigh, NC 27607
(800) 648 - 7400