

Dolomitic Limestone

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Substance name : Dolomitic Limestone
CAS No : 16389-88-1
Other means of identification : Crushed Stone
Ag Lime
Dol Ag

1.2. Relevant identified uses of the substance or mixture and uses advised against

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.

1.3. Details of the supplier of the safety data sheet

Martin Marietta Magnesia Specialties
1800 Eastlake Road
Manistee, Michigan 49660 - USA
T +001 410 780 5500

1.4. Emergency telephone number

Emergency number : CHEMTREC, U.S.: 1-800-424-9300
INTERNATIONAL: +1-703-527-3887 Available 24/7

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	%	Classification (GHS-US)
Dolomitic Limestone (Main constituent)	(CAS No) 16389-88-1	100	Not classified

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : May be slightly irritating to eyes, respiratory system and skin.
First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact : Wash skin with mild soap and water.
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.

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Excessive dust production may cause minor eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

suitable extinguishing media : If there is a fire close by, use suitable extinguishing agents.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : Product is not explosive.

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

5.3. Advice for firefighters

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. Wear fire/flame resistant/retardant clothing. Wear a self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid creating or spreading dust. Dust deposited may be vacuum cleaned.

6.1.1. For non-emergency personnel

Protective equipment : Avoid contact with skin and eyes. Dust impervious gloves. Chemical goggles or safety glasses.

Emergency procedures : Avoid all unnecessary exposure.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Dust impervious gloves. Chemical goggles or safety glasses.

Emergency procedures : Collect as much as possible in a clean container for (preferable) reuse or disposal. No additional risk management measures required.

6.2. Environmental precautions

Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up

For containment : Recover the product by vacuuming, shoveling or sweeping.

Methods for cleaning up : Dust deposited may be vacuum cleaned. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting.

6.4. Reference to other sections

Section 7: safe handling.

Section 8: personal protective equipment.

Section 13: disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Store in correctly labelled containers.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Dolomitic Limestone (16389-88-1)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ Total dust
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ Total dust 5 mg/m ³ respirable fraction

8.2. Exposure controls

- Appropriate engineering controls : Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Either local exhaust or general room ventilation is usually required.
- Eye protection : In case of dust production: protective goggles.
- Respiratory protection : Use air-purifying respirator equipped with particulate filtering cartridges.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Gray to tan solid.
- Color : Gray to tan
- Odor : Odorless.
- Odor threshold : No data available
- pH : No data available
- pH solution : 10%: (9 - 9.2)
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : 2370 °C
- Freezing point : No data available
- Boiling point : 2850 – 3600 °C
- Flash point : Not applicable
- Self ignition temperature : Not applicable
- Decomposition temperature : No data available
- Flammability (solid, gas) : Not flammable
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Relative density : No data available
- Density : 2.8 - 2.9 g/cm³
- Solubility : Water: 0.32 g/l
- Log Pow : No data available
- Log Kow : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosive properties : Product is not explosive.
- Oxidizing properties : No oxidizing properties.
- Explosive limits : No data available

9.2. Other information

No additional information available

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.

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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 : 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 : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified
Likely routes of exposure : dermal;Inhalation.

SECTION 12: Ecological information

12.1. Toxicity

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

12.2. Persistence and degradability

Dolomitic Limestone (16389-88-1)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	No known biodegradation effects.

12.3. Bioaccumulative potential

Dolomitic Limestone (16389-88-1)	
Bioaccumulative potential	This product is not bioaccumulating.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT
Not considered a dangerous good for transport regulations

Additional information

Other information : No supplementary information available.

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ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Dolomitic Limestone (16389-88-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

Dolomitic Limestone (16389-88-1)

Jurisdiction	List	Comment
Asia Pacific	Asia - PAC	
Australia	Australian Inventory of Chemical Substances (AICS)	Listed
	National Pollutant Inventory	
	Priority Existing Chemicals	
China	Inventory of Existing Chemical Substances (IECSC)	Listed
Japan	Existing and New Chemical Substances (ENCS)	# 1-465; inorganic compounds
Korea	KECI (Chemical Inventory of Korea)	KE-13036
New Zealand	Inventory of Chemicals (NZIoC)	Listed
Phillippines	Inventory of Chemicals and Chemical Substances (PICCS)	Listed
Europe	EEC International Cosmetics Ingredients Inventory (INCI)	
	EU REACH pre-registered	
	EU Inventory of Existing Commercial Chemical Substances (EINECS)	240-440-2
	German Water Hazard Class Substance List	
	Switzerland Giftliste 1 (List of Toxic Substances)	G-8431
Canada	Canadian Domesticated Substances List (NDSL)	Listed
	WHMIS Ingredient List	
United States	ACGIH Thrshold Limit Values (TLV)	10 mg/m ³ 8 hour TWA: total particulates
	EPA Pesticide Inert Ingredients	Inerts 4A - minimal Risk Inert Ingredients
	FDA Priority-based Assessment of Food Additives (PAFA)	
	FDA Regulations	
	High Production Volume Chemicals (HPV)	
	National Toxicology Program Technical Reports List	
	NIOSH Hazard, Toxicology, and Use Information	
	NIOSH Health Hazards	
	NIOSH Recommended Exposure Limits	
	OSHA Permissible Exposure Limits	8 hour TWA: total particulates 15 mg/ m ³
	Toxic Substances Control Act (TSCA) Inventory	Listed
Toxic Inventory Update Rule		
TSCA Section 8A-Preliminary Assessment Information Rule (PAIR)		
Other	Health Hazards	
	High Production Volume Chemicals: ICCA	
	High Production Volume Chemicals: OECD	Listed

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15.3. US State regulations

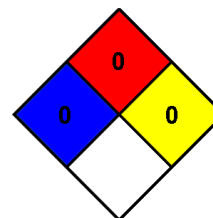
Dolomitic limestone (16389-88-1)

State or local regulations

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

- Indication of changes : GHS classification information. Revised format. Revised sections: 1 - 16.
- Data sources : ESIS (European chemical Substances Information System; accessed at: <http://esis.jrc.ec.europa.eu/index.php?PGM=cla>)
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.
OSHA 29CFR 1910.1200 Hazard Communication Standard.
The Organisation for Economic Co-operation and Development (OECD; eChemPortal chemical searches. Accessed at <http://www.echemportal.org/echemportal/substancesearch/substancesearchlink.action>.
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 Abstracts Service) number.
GHS: Globally Harmonized System (of Classification and Labeling) of Chemicals .
OSHA: Occupational Safety & Health Administration.
TWA: Time Weighted Average.
- NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.
- NFPA fire hazard : 0 - Materials that will not burn.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS US (GHS HazCom 2012)

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.