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MINERALS TECHNOLOGIES

Material Safety Data Sheet

Material Name: LIMESTONE **ID: ADMWLS**

*** Section 1 - Chemical Product and Company Identification ***

Chemical Name: Calcium Carbonate
Product Use: Mineral Additive
Synonyms: MARBLEWHITE® 200, MARBLEWHITE® 325

Manufacturer Information

Specialty Minerals Inc.
The Chrysler Building
405 Lexington Avenue
New York, NY 10174-1901

Phone: 1-877-684-7627

Emergency # CHEMTREC: (800) 424-9300

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
1317-65-3	Calcium carbonate	60-100
14808-60-7	Quartz	0.1-1.0

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Silica, crystalline (general form).

Component Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview

This product is irritating to the eyes, respiratory system and skin.

Potential Health Effects: Eyes

Dust or powder may irritate eye tissue.

Potential Health Effects: Skin

Dust or powder may irritate the skin.

Potential Health Effects: Ingestion

May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

Potential Health Effects: Inhalation

WARNING: This product contains crystalline silica. Long-term overexposure to crystalline silica causes silicosis, a form of pulmonary fibrosis. Continued overexposure to silica can lead to cardiopulmonary impairment. Crystalline silica has been reviewed by IARC. IARC found sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources.

Medical Conditions Aggravated by Exposure

No information available for the product.

Potential Environmental Effects

No significant environmental effects.

HMIS Ratings: Health: 1* **Fire:** 0 **Reactivity:** 0 **Pers. Prot.:** E
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

First Aid: Skin

For skin contact, wash immediately with soap and water.

First Aid: Ingestion

Product is not considered toxic in small amounts.

First Aid: Inhalation

Move person to non-contaminated air.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

This material will not burn.

Hazardous Combustion Products

None identified.

Extinguishing Media

Use methods for the surrounding fire.

Fire Fighting Equipment/Instructions

None necessary.

NFPA Ratings: Health: 1 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

Provide adequate ventilation. Cleanup personnel should use personal protective equipment to reduce eye contact, inhalation of dust, and prolonged skin contact. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Personal safety, handling and exposure recommendations described elsewhere in this data sheet apply to exposure during clean up of spilled material and must be followed.

Evacuation Procedures

None necessary.

Special Procedures

No additional information available.

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Avoid getting this material into contact with your skin and eyes.

Storage Procedures

Store in a cool, dry, well-ventilated area.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines

A: General Product Information

Keep formation of airborne dusts to a minimum.

B: Component Exposure Limits

Calcium carbonate (1317-65-3)

ACGIH: 10 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica)
OSHA: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
NIOSH: 10 mg/m3 TWA (total); 5 mg/m3 TWA (respirable dust)

Quartz (14808-60-7)
ACGIH: 0.05 mg/m3 TWA (respirable fraction)
OSHA: 0.1 mg/m3 TWA (respirable dust)
NIOSH: 0.05 mg/m3 TWA (respirable dust)

Engineering Controls
Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT
Personal Protective Equipment: Eyes/Face
Wear dust goggles.
Personal Protective Equipment: Skin
Use impervious gloves.
Personal Protective Equipment: Respiratory
Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit.
Personal Protective Equipment: General
Eye wash fountain and emergency showers are recommended.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance:	White Powder	**Odor:**	None
Physical State:	Solid	**pH:**	N/A
Vapor Pressure:	N/A	**Vapor Density:**	N/A
Boiling Point:	N/A	**Melting Point:**	Unknown
Solubility (H2O):	Partially soluble	**Specific Gravity:**	2.71

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability
Stable under normal conditions.
Chemical Stability: Conditions to Avoid
Avoid contact with acids.
Incompatibility
Calcium Carbonate ignites on contact with fluorine. It is incompatible with acids, alum, ammonium salts, and mercury/hydrogen mixtures.
Hazardous Decomposition
Thermal oxidative decomposition of calcium carbonate can produce calcium oxide.
Hazardous Polymerization
Will not occur.

* * * Section 11 - Toxicological Information * * *

Acute and Chronic Toxicity
A: General Product Information
Overexposure to calcium carbonate may result in irritation to eyes, skin and respiratory system. Acute ingestion may result in mild gastrointestinal distress while chronic exposure may result in hypercalcemia, alkalosis and renal impairment. Approximately 70-80% of inhaled calcium carbonate was retained in the lungs. Animal studies suggest that inhalation of calcium carbonate dusts may enhance susceptibility to respiratory infection.
B: Component Analysis - LD50/LC50
No LD50/LC50's are available for this product's components.
Carcinogenicity
A: General Product Information
There may be a relationship between silicosis and certain cancers.

B: Component Carcinogenicity

Quartz (14808-60-7)

ACGIH: A2 - Suspected Human Carcinogen
NIOSH: occupational carcinogen
NTP: Known Carcinogen (Select Carcinogen)
IARC: Monograph 68, 1997; (inhaled in the form of quartz or cristobalite from occupational sources) (Group 1 (carcinogenic to humans))

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

This material is not expected to be harmful to aquatic life.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

This material shows no bioaccumulation or food chain concentration toxicity potential.

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Number & Descriptions

A: General Product Information

No components are identified as hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

If this material becomes a waste it does not meet the criteria of a hazardous waste as defined by USEPA RCRA regulations. More stringent state or local regulations may apply. Combining this material with another may alter this classification.

* * * Section 14 - Transportation Information * * *

US DOT Information

Shipping Name: None necessary.
Additional Info.: None.

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

* * * Section 15 - Regulatory Information * * *

US Federal Regulations

A: General Product Information

TSCA - All naturally occurring components of this product are automatically included in the USEPA TSCA Inventory List per 40 CFR 710.4 (b). All other components are on the USEPA TSCA Inventory List.

FDA - Limestone has been determined as "Generally Recognized As Safe" (GRAS) by FDA - see 21 CFR 184.1409.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

Acute Health: Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	FL	MA	MN	NJ	PA	MI
Calcium carbonate	1317-65-3	No	No	Yes	Yes	No	Yes	No
Quartz	14808-60-7	No	Yes	Yes	Yes	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Other Regulations

A: General Product Information

Canadian WHMIS Classification: Class D, Division 2, Subdivision A

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	PHIL.	MITI	KOREA	ELINCS	CHINA
Calcium carbonate	1317-65-3	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes
Quartz	14808-60-7	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes

C: Component Analysis - WHMIS IDL

Component	CAS	Present
Quartz	14808-60-7	Yes

* * * Section 16 - Other Information * * *

Other Information

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Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; DOT = Department of Transportation; RCRA = Resource Conservation and Recovery Act

This is the end of MSDS # ADMWLS