Material Safety Data Sheet

Material Name: **DOLOMITIC LIMESTONE, calcium magnesium carbonate**  ID: CANSTDLIS

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

**Chemical Name:** Calcium Magnesium Carbonate  
**Product Use:** Mineral Additive  
**Synonyms:** DF 1000, DF 2000, DF 3015, DF 4070, DF 5025, DOLOCRON® 4013, DOLOCRON® 4012, DOLOFIL® 2055, DOLOFIL® 4085  
**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 ***

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>16389-88-1</td>
<td>Dolomite (CaMg(CO3)2)</td>
<td>60-100</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz</td>
<td>0.1-1.0</td>
</tr>
<tr>
<td>14567-73-8</td>
<td>Tremolite (non-asbestos)</td>
<td>0.1-1.0</td>
</tr>
</tbody>
</table>

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 ***

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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
Quartz (14808-60-7)
ACGIH: 0.05 mg/m3 TWA (respirable fraction)
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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 |
| Physical State: | Solid |
| Vapor Pressure: | N/A |
| Boiling Point: | N/A |
| Solubility (H₂O): | Partially soluble |
| Odor: | None |
| pH: | N/A |
| Vapor Density: | N/A |
| Melting Point: | Unknown |
| 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
This product reacts with acids.

Hazardous Decomposition
Thermal oxidative decomposition of dolomitic limestone can produce dolomitic quicklime.

Hazardous Polymerization
Will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information
No information available for the product.

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))
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ID: CANSTDLS

Tremolite (non-asbestos) (14567-73-8)
IARC: Supplement 7, 1987; Monograph 14, 1977 (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 product's 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

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Prepared by the MTI Environmental, Health, and Safety Services Department
Material Safety Data Sheet

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>FL</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>MI</th>
</tr>
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<tr>
<td>Quartz</td>
<td>14808-60-7</td>
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<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Tremolite (non-asbestos)</td>
<td>14557-73-8</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>AUST</th>
<th>PHIL.</th>
<th>MITI</th>
<th>KOREA</th>
<th>ELINCS</th>
<th>CHINA</th>
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<tbody>
<tr>
<td>Dolomite</td>
<td>16389-88-1</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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<td>(CaMg(CO3)2)</td>
<td></td>
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</table>

C: Component Analysis - WHMIS IDL

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Present</th>
</tr>
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<tbody>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>Yes</td>
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</tbody>
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*** 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 # CANSTDLS