Material Safety Data Sheet

Material Name: LIMESTONE

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

Chemical Name: Calcium Carbonate
Product Use: Mineral Additive
Synonyms: AFG 10, AFG 10-40, AFG 25, ATF 10, ATF 1040, ATF 20, ATF 40, BUNKER- WHITE®, ECO-CAL® AG, ECO-CAL® CR, ECO-CAL® FGD, ECO-CAL® 5050, LIMESTONE CHIPS, VICAL® 1000, VICAL® 1020, VICAL® 1040, VICAL® 30-60, VICAL® 35-65, VICAL® 4010

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

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

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent (wt/wt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1317-65-3</td>
<td>Calcium carbonate</td>
<td>60-100</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz</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 ***

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)**

- OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)
- NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

**Quartz (14808-60-7)**

- ACGIH: 0.025 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.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White Powder</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Partially soluble</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Unknown</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>2.71</td>
</tr>
</tbody>
</table>

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*** Section 10 - Stability & Reactivity ***

**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.

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*** 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
Quartz (14808-60-7)
Oral LD50 Rat: 500 mg/kg

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: potential occupational carcinogen
NTP: Known Human Carcinogen (Select Carcinogen)
IARC: Monograph 68 [1997] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources) (Group 1 (carcinogenic to humans))

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.

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.

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.

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.
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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

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:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>FL</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
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<th>MI</th>
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<tbody>
<tr>
<td>Calcium carbonate</td>
<td>1317-65-3</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</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>NDSEL</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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<tr>
<td>Calcium carbonate</td>
<td>1317-65-3</td>
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<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Yes</td>
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</table>

C: Component Analysis - WHMIS IDL

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

*** Section 16 - Other Information ***

Other Information

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Material Safety Data Sheet

Material Name: LIMESTONE

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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 # C-MS-AT-2006ADSTDL5S