MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SafeLane Pavement Overlay

**Synonyms:** Limestone / Dolomite

**Manufacturer Name:**
Cargill Salt  
916 S. Riverside Ave,  
St. Clair, Michigan 48079

**Emergency Telephone:**
1-800-424-9300

**Non-emergency Telephone:**
810-989-7258 (SALT)

**Intended Use:** Industrial use

2 HAZARDS IDENTIFICATION

**Emergency Overview**

**Physical State:** Crystalline Powder

**Color:** Gray-white to brownish

**Odor:** Odorless

WARNING!
Cancer hazard - can cause cancer.

**Potential Health Effects**

**Inhalation:** Dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

**Eye Contact:** Direct contact with eyes may cause temporary irritation.

**Skin Contact:** Mechanical irritation of skin.

**Ingestion:** No adverse effects due to ingestion are expected.

**Chronic Health Effects:** Cancer hazard - can cause cancer. Crystalline silica has been classified by IARC, NTP and ACGIH as a known human carcinogen and suspected human carcinogen respectively.

**Target Organ(s):** | Lung |

**OSHA Regulatory Status:** This product is hazardous according to OSHA 29CFR 1910.1200.
3 COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration*</th>
</tr>
</thead>
<tbody>
<tr>
<td>†Limestone</td>
<td>1317-65-3</td>
<td>99.9 - 100%</td>
</tr>
<tr>
<td>†Crystalline silica</td>
<td>14808-60-7</td>
<td>&gt; 1%</td>
</tr>
</tbody>
</table>

* All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
† This chemical is hazardous according to OSHA/WHMIS criteria.

4 FIRST AID MEASURES

**Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Eye Contact:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.

**Skin Contact:** Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

**Ingestion:** Large quantities: Drink plenty of water. Seek medical attention.

5 FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable Extinguishing Media:** Not applicable.

**Special Fire Fighting Procedures:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Unusual Fire & Explosion Hazards:** None known.

**Hazardous Combustion Products:** Not applicable

6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate personal protective equipment.

**Spill Cleanup Methods:** Sweep or scoop up and remove.

7 HANDLING AND STORAGE

**Handling:** Do not breathe dust. See Section 8 of the MSDS for additional personal protection advice when handling this product.

**Storage:** Keep container closed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Source</th>
<th>Type</th>
<th>Exposure Limits</th>
<th>Notes</th>
</tr>
</thead>
</table>

NORTH AMERICAN MSDS
<table>
<thead>
<tr>
<th>Substance</th>
<th>Location</th>
<th>Type</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline silica (Respirable particles.)</td>
<td>CA. Alberta OELs</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>Crystalline silica (Respirable fraction.)</td>
<td>CA. British Columbia OELs</td>
<td>TWA</td>
<td>0.025 mg/m³</td>
</tr>
<tr>
<td>Crystalline silica (Respirable fraction.)</td>
<td>CA. Ontario OELs</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>Crystalline silica (Respirable fraction.)</td>
<td>CA. Ontario OELs</td>
<td>TWA</td>
<td>Limit value not established</td>
</tr>
<tr>
<td>Crystalline silica (Respirable dust.)</td>
<td>CA. Quebec OELs</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>Crystalline silica</td>
<td>MEX. OELs</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>Crystalline silica (Respirable fraction.)</td>
<td>US. ACGIH TLV</td>
<td>TWA</td>
<td>0.025 mg/m³</td>
</tr>
<tr>
<td>Crystalline silica</td>
<td>US. NIOSH Guide</td>
<td>IDLH</td>
<td>25 mg/m³</td>
</tr>
<tr>
<td>Crystalline silica</td>
<td>US. NIOSH Guide</td>
<td>Concentration</td>
<td>50 mg/m³</td>
</tr>
<tr>
<td>Crystalline silica (Respirable.)</td>
<td>US. OSHA Z-3 PEL</td>
<td>TWAC</td>
<td>0.1 mg/m³ 2.4 Mppcf</td>
</tr>
<tr>
<td>Crystalline silica (Total dust.)</td>
<td>US. OSHA Z-3 PEL</td>
<td>OSHA Z3 (TWA)</td>
<td>0.3 mg/m³</td>
</tr>
<tr>
<td>Limestone</td>
<td>CA. Alberta OELs</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Limestone (Total dust.)</td>
<td>CA. British Columbia OELs</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Limestone (Respirable fraction.)</td>
<td>CA. British Columbia OELs</td>
<td>TWA</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>Limestone (Total dust.)</td>
<td>CA. British Columbia OELs</td>
<td>STEL</td>
<td>20 mg/m³</td>
</tr>
<tr>
<td>Limestone</td>
<td>MEX. OELs</td>
<td>STEL</td>
<td>20 mg/m³</td>
</tr>
<tr>
<td>Limestone</td>
<td>MEX. OELs</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Limestone</td>
<td>US. NIOSH Guide</td>
<td>IDLH</td>
<td>-</td>
</tr>
<tr>
<td>Limestone (Respirable fraction.)</td>
<td>US. OSHA Z-1 PEL</td>
<td>TWA</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

**Engineering Controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: High-efficiency particulate respirator.

**Eye Protection:** Wear safety glasses with side shields (or goggles).

**Hand Protection:** It is a good industrial hygiene practice to minimize skin contact.

**Skin Protection:** Wear protective gloves. It is a good industrial hygiene practice to minimize skin contact.

**Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

NORTH AMERICAN MSDS
Environmental Exposure Controls: Environmental manager must be informed of all major spillages.

9 PHYSICAL AND CHEMICAL PROPERTIES

Color: Gray-white to brownish
Odor: Odorless
Odor Threshold: No data available.
Physical State: Crystalline Powder
pH: No data available
Melting Point: No data available.
Freezing Point: No data available.
Boiling Point: No data available.
Flash Point: No data available.
Evaporation Rate: Not applicable.
Flammability (Solid): No data available.
Flammability Limit - Upper (%): Not applicable.
Flammability Limit - Lower (%): Not applicable.
Vapor Pressure: Not applicable.
Vapor Density (Air=1): Not applicable.
Specific Gravity: 2.6 - 2.75 (20°C)
Solubility in Water: Insoluble
Solubility (Other): No data available.
Partition Coefficient (n-Octanol/water): No data available.
Autoignition Temperature: Not applicable.
Decomposition Temperature: No data available.
Volatile Organic Compounds (VOC): Not applicable.
Viscosity: Not applicable.

10 STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: None known.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: No data available.

11 TOXICOLOGICAL INFORMATION

Specified Substance(s)
Acute Toxicity:
Test Results: No test data available for the ingredients.

Chronic Toxicity: Crystalline silica has been classified by IARC, NTP and ACGIH as a known human carcinogen and suspected human carcinogen respectively.

Listed Carcinogens:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline silica</td>
<td>1</td>
<td>Listed</td>
<td>Not Listed</td>
<td>A2</td>
</tr>
</tbody>
</table>
IARC: 1 = Carcinogenic to Humans; 2A = Probably Carcinogenic to Humans; 2B = Possibly Carcinogenic to Humans; 3 = Not classifiable as to carcinogenicity to humans; 4 = Probably not carcinogenic to humans; Not listed = Not evaluated by IARC.

ACGIH: A1 = Confirmed Human Carcinogen; A2 = Suspected Human Carcinogen; A3 = Confirmed Animal Carcinogen; A4 = Not classifiable as a human carcinogen; A5 = Not suspected to be a human carcinogen; Not listed = Not evaluated by ACGIH.

**Product Information**

**Acute Toxicity:**

Test Results: No test data available for the product.

**Other Acute:** No additional adverse health effects noted.

**Chronic Toxicity:** Cancer hazard - can cause cancer.

### ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available.

**Mobility:** No data available.

**Persistence and Degradability:** No data available.

**Bioaccumulation Potential:** No data available.

### DISPOSAL CONSIDERATIONS

**General Information:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal Methods:** No specific disposal method required.

**Container:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

### TRANSPORT INFORMATION

**DOT** Not regulated.

**TDG** Not regulated.

**IATA** Not regulated.

**IMDG** Not regulated.

### REGULATORY INFORMATION

**Canadian Controlled Products Regulations:** This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

**WHMIS Classification:** D2A

**Mexican Dangerous Statement:** This product is dangerous according to Mexican regulations.
Inventory Status

This product or all components are listed or exempt from listing on the following inventory: DSL, TSCA

US Regulations


SARA Title III

Section 311/312 (40 CFR 370):
- X Acute (Immediate)
- X Chronic (Delayed)
- Fire
- Reactive
- Pressure Generating

Section 313 Toxic Release Inventory (40 CFR 372): Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.


Drug Enforcement Act: Not regulated.

TSCA

TSCA Section 4(a) Final Test Rules & Testing Consent Orders: Not regulated.


TSCA Section 5(e) PMN-Substance Consent Orders: Not regulated.


State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Crystalline silica

Massachusetts Right-To-Know List: Crystalline silica; Limestone


Minnesota Hazardous Substances List: Limestone

New Jersey Right-To-Know List: Crystalline silica

Pennsylvania Right-To-Know List: Crystalline silica; Limestone
Rhode Island Right-To-Know List:  Limestone

16  OTHER INFORMATION

HAZARD RATINGS

<table>
<thead>
<tr>
<th></th>
<th>Health Hazard</th>
<th>Fire Hazard</th>
<th>Instability</th>
<th>Special Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>NONE</td>
</tr>
</tbody>
</table>

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe
NFPA Label colored diamond code: Blue - Health; Red - Flammability; Yellow - Instability; White - Special Hazards

<table>
<thead>
<tr>
<th></th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>1*</td>
<td>0</td>
<td>0</td>
<td>--</td>
</tr>
</tbody>
</table>

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe  *- Chronic Health Effect
HMIS Label colored bar code: Blue - Health; Red - Flammability; Orange - Physical Hazards; White - Special

Issue Date:  29-Mar-2010
Supercedes Date:  New
SDS No.:  1028855

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