



# 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.

<b>3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
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Chemical Name	CAS-No.	Concentration*
†Limestone	1317-65-3	99.9 - 100%
†Crystalline silica	14808-60-7	> 1%

\* 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.

<b>4</b>	<b>FIRST AID MEASURES</b>
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**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.

<b>5</b>	<b>FIRE-FIGHTING MEASURES</b>
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**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

<b>6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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**Personal Precautions:** Wear appropriate personal protective equipment.

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

<b>7</b>	<b>HANDLING AND STORAGE</b>
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**Handling:** Do not breathe dust. See Section 8 of the MSDS for additional personal protection advice when handling this product.

**Storage:** Keep container closed.

<b>8</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Exposure Limits:**

Chemical Name	Source	Type	Exposure Limits	Notes
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Crystalline silica (Respirable particles.)	CA. Alberta OELs	TWA	0.1 mg/m <sup>3</sup>	
Crystalline silica (Respirable fraction.)	CA. British Columbia OELs	TWA	0.025 mg/m <sup>3</sup>	
Crystalline silica (Respirable fraction.)	CA. Ontario OELs	TWA	0.1 mg/m <sup>3</sup>	
Crystalline silica (Respirable fraction.)	CA. Ontario OELs	Limit value not established	-	No limit estab; avoid exposure
Crystalline silica (Respirable dust.)	CA. Quebec OELs	TWA	0.1 mg/m <sup>3</sup>	
Crystalline silica	MEX. OELs	TWA	0.1 mg/m <sup>3</sup>	
Crystalline silica (Respirable fraction.)	US. ACGIH TLV	TWA	0.025 mg/m <sup>3</sup>	
Crystalline silica	US. NIOSH Guide	IDLH	25 mg/m <sup>3</sup>	
Crystalline silica	US. NIOSH Guide	Concentration	50 mg/m <sup>3</sup>	
Crystalline silica (Respirable.)	US. OSHA Z-3 PEL	TWAC	0.1 mg/m <sup>3</sup> 2.4 Mppcf	
Crystalline silica (Total dust.)	US. OSHA Z-3 PEL	OSHA Z3 (TWA)	0.3 mg/m <sup>3</sup>	
Limestone	CA. Alberta OELs	TWA	10 mg/m <sup>3</sup>	
Limestone (Total dust.)	CA. British Columbia OELs	TWA	10 mg/m <sup>3</sup>	
Limestone (Respirable fraction.)	CA. British Columbia OELs	TWA	3 mg/m <sup>3</sup>	
Limestone (Total dust.)	CA. British Columbia OELs	STEL	20 mg/m <sup>3</sup>	
Limestone	MEX. OELs	STEL	20 mg/m <sup>3</sup>	
Limestone	MEX. OELs	TWA	10 mg/m <sup>3</sup>	
Limestone	US. NIOSH Guide	IDLH	-	
Limestone (Respirable fraction.)	US. OSHA Z-1 PEL	TWA	5 mg/m <sup>3</sup>	

**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.

**Environmental Exposure Controls:** Environmental manager must be informed of all major spillages.

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**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.

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
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**Stability:** Stable.

**Conditions to Avoid:** None known.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** No data available.

<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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**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:**

Chemical Name	IARC	NTP	OSHA	ACGIH
Crystalline silica	1	Listed	Not Listed	A2

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.

<b>12</b>	<b>ECOLOGICAL INFORMATION</b>
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**Ecotoxicity:** No data available.

**Mobility:** No data available.

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

**Bioaccumulation Potential:** No data available.

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**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.

<b>14</b>	<b>TRANSPORT INFORMATION</b>
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**DOT** Not regulated.

**TDG** Not regulated.

**IATA** Not regulated.

**IMDG** Not regulated.

<b>15</b>	<b>REGULATORY INFORMATION</b>
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**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**

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not regulated.

**SARA Title III**

**Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A):** Not regulated.

**Section 311/312 (40 CFR 370):**

Acute (Immediate)     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.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** Not regulated.

**Drug Enforcement Act:** Not regulated.

**TSCA**

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

**TSCA Section 5(a)(2) Final Significant New Use Rules (SNURs) (40CFR 721, Subpt. E):** Not regulated.

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

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** 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

**Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act (Act. 451 of 1994)):** Not regulated.

**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**

	<b>Health Hazard</b>	<b>Fire Hazard</b>	<b>Instability</b>	<b>Special Hazard</b>
<b>NFPA</b>	1	0	0	NONE

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

	<b>Health Hazard</b>	<b>Flammability</b>	<b>Physical Hazard</b>	<b>Personal Protection</b>
<b>HMIS</b>	1*	0	0	--

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

**Supersedes Date:** New

**SDS No.:** 1028855

**Disclaimer:** To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.