

# PK ENTERPRISES, INC.

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July 17, 2017

Colorado Division of Reclamation, Mining & Safety  
Attn: Mr. Elliott Russell  
1313 Sherman St., Room 215  
Denver, CO 80203

RE: CDOT SH 67 Resurfacing Project-Lime Storage

Mr. Russell,

Per my letter dated June 5, 2017 and your response to said letter dated June 5, 2017 it was agreed that no lime or other road resurfacing chemicals will be stored within the permitted mining boundary without prior approval from your office and if PK Enterprises, Inc would like to request to store lime or other road surfacing chemicals within the permitted mining boundary, PK Enterprises, Inc will provide you with the following information for your review:

1. Type of containers used for storage, i.e. double walled, etc.
2. Secondary containment if necessary
3. Copy of the MSDS or SDS
4. Whether or not the containers will be opened on site

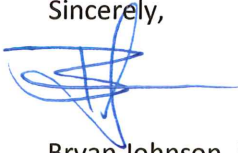
Please accept this letter as PK Enterprises, Inc.'s request to let CDOT's contractor to store containerized lime within the permitted mining boundary for use in the State Highway 67 resurfacing project. I have attached the following for you review and consideration:

1. Email correspondence between CDOT's contractor and the material supplier which outlines type of containers used, what if any secondary containment is needed and whether the containers will be opened on site.
2. Western US Inc.'s Material Safety Data Sheet.

I respectfully request that you, upon your review of the attached materials, contact me your determination regarding the proposed temporary containerized lime storage for project.

If you should have any questions or concerns regarding this request please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to be 'Bryan Johnson', with a stylized, overlapping loop structure.

Bryan Johnson, Executive Vice President

CC: File

**From:** Steve Collins [<mailto:steve@coughlincompany.com>]

**Sent:** Friday, July 14, 2017 3:23 PM

**To:** Autumn Myers-Powell <[Autumn.Myers-Powell@martinmarietta.com](mailto:Autumn.Myers-Powell@martinmarietta.com)>

**Cc:** Allen Rickey <[Allen.Rickey@martinmarietta.com](mailto:Allen.Rickey@martinmarietta.com)>

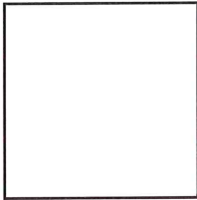
**Subject:** Re: Correspondence No. 1746OG016 SR67 Cripple Creek Project - MSDS for Lime

**EXTERNAL MAIL**

Autumn/Allen,

Attached is the MSDS for the lime per your request. Also, the only time we have to open/access the lime tanks is when we open the valves to add the lime. Thats it (dont really get into tanks). Additionally, Darren said to tell you that the tanks are single walled and that most other Generals just build a small earthen berm around the tanks. (the lime is not hazardous) Hope that gets you all the information you need. Thanks.

Steve Collins



**Steve Collins**

**Estimator/Project Manager**

Coughlin Company, Inc.

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**"Its' Millin' Time"**



**GRAYMONT**

# Western US Inc, Pilot Peak Plant

## Material Safety Data Sheet

IDENTITY	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
HYDRATED LIME (CALCIUM HYDROXIDE)	

### Section I

Manufacturer's Name	Emergency Telephone Number
GRAYMONT WESTERN US INC	(800) 424-9300 Chemtrec
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information
PILOT PEAK PLANT	(775) 483-5463
15 MILES N.W. of WENDOVER	Date Prepared
WEST WENDOVER, NEVADA 89883 USA	28-Jun-99

### Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
CALCIUM HYDROXIDE, HYDRATED LIME, HYDRATE	5 mg/m3	5 mg/m3		> 93%
FORMULA: Ca(OH)2 CAS NO.: 1305-62-0				
Product Dust Contains:				
Crystalline silica (quartz)	0.1 mg/m3	0.1 mg/m3		> 0.01%
FORMULA: SiO2 CAS NO.: 14808-60-7				
Crystalline silica (cristobalite)	0.05 mg/m3	0.05 mg/m3		> 0.01%
FORMULA: SiO2 CAS NO.: 14464-46-1				

### Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H2O = 1)	2.3-2.4
Vapor Pressure (mm Hg)	N/A	Melting Point	1076 F
Vapor Density (AIR = 1)	N/A	DEHYDRATES (-H2O)	580 C
Solubility in Water	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
NEGLIGIBLE 0.077% - 0.185% (% BY WEIGHT)			
Appearance and Odor			
SOFT WHITE CRYSTALLINE POWDER, ODORLESS			

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media							
NON-COMBUSTABLE, USE EXTINGUISHING MEDIA APPROPRIATE TO FIRE.							
Special Firefighting Procedures							
HYDRATED LIME IS NOT COMBUSTIBLE BUT PAPER CONTAINER AND PALLET ARE.							
USE AN APPROPRIATE EXTINGUISHING MEDIA FOR SURROUNDING FIRE.							
Unusual Fire and Explosion Hazards							
N/A							

### Section V - Reactivity Data

Stability	Unstable	YES	Conditions to Avoid
	Stable	YES	MAY REACT VIOLENTLY WITH STRONG ACIDS, ABSORBS CARBON DIOXIDE.
When Strong Acids and or Carbon Dioxide are Not Present.			
Incompatibility (Materials to Avoid)			
MALEIC ANHYDRIDE, NITROMETHANE, NITROETHANE, NITROPROPANE, NITROPARAFFINS			
Hazardous Decomposition or Byproducts			
N/A			
Hazardous Polymerization	May Occur		Conditions to Avoid
			N/A

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Will Not Occur ☒

## Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? YES Skin? YES Ingestion? YES

Health Hazards (Acute and Chronic)

IRRITATION OR SEVERE CHEMICAL BURNS CAN RESULT IF QUICKLIME IS INHALED, SWALLOWED, OR

COMES IN CONTACT WITH THE EYES OR SKIN. ADHERE TO CONTROL MEASURES IN SECTION VII.

THIS PRODUCT CONTAINS CRYSTALLINE SILICA WHICH IS CONSIDERED A CHRONIC HEALTH

HAZARD BY INHALATION. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS

CLASSIFIED OCCUPATIONAL EXPOSURES TO RESPIRABLE CRYSTALLINE SILICA AS BEING

CARCINOGENIC TO HUMANS (CLASS 1). CRYSTALLINE SILICA IS ALSO KNOWN TO CAUSE SILICOSIS,

A NON-CANCEROUS LUNG DISEASE.

Carcinogenicity: NTP? NO IARC Monographs? YES OSHA Regulated? NO

THIS PRODUCT CONTAINS CRYSTALLINE SILICA WHICH IS CLASSIFIED AS A CLASS 1 HUMAN

CARCINOGEN BY IARC, AS A SUSPECT CARCINOGEN BY NTP, AND AS A POSSIBLE SELECT

CARCINOGEN BY OSHA.

Signs and Symptoms of Exposure

UNDER DUSTY CONDITIONS IT CAN CAUSE EXCESSIVE DRYING OF THE SKIN AND POSSIBLE SKIN

IRRITATION. EYES AND "OPEN CUTS" ARE PARTICULARLY VULNERABLE.

Medical Conditions Generally Aggravated by Exposure

MAY IRRITATE RESPIRATORY TRACT DISORDERS. EYES AND "OPEN CUTS" ARE PARTICULARLY VULNERABLE.

Emergency and First Aid Procedure

EYES: FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

SKIN: WASH SKIN IMMEDIATELY WITH PLENTY OF WATER.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED PERFORM ARTIFICIAL RESPIRATION:

INGESTION: IF PERSON IS CONSCIOUS GIVE LARGE QUANTITIES OF WATER FOLLOWED BY FRUIT

JUICE. CALL A PHYSICIAN.

## Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

KEEP SPILL AREA DRY AND USE DRY COLLECTION TECHNIQUES TO COLLECT AND CONTAIN SPILLED

MATERIAL. AVOID CREATING AIRBORNE DUST. MATERIAL MAY BE RECLAIMED.

Waste Disposal Method

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL

REGULATIONS.

Precautions to be Taken in Handling and Storage

STORE IN A DRY AREA IN TIGHTLY CLOSED CONTAINERS. AVOID ANY TYPE OF MOISTURE.

PROTECT CONTAINERS FROM PHYSICAL DAMAGE. KEEP AWAY FROM INCOMPATIBLES (SEE SECT. V).

Other Precautions

NONE

## Section VIII - Control Measures

Respiratory Protection (Specify Type)

USE NIOSH/MSHA APPROVED RESPIRATORS IF AIRBORNE CONCENTRATION EXCEEDS TLV.

Ventilation

Local Exhaust

USE TO CAPTURE DUST AT SOURCE.

Special

N/A

Mechanical (General)

KEEP DUST BELOW TLV.

Other

VENT DUST TO DUST "COLLECTOR".

Protective Gloves

USE GLOVES TO PREVENT SKIN CONTACT.

Eye Protection

USE TIGHT FITTING SAFETY GOGGLES.

Other Protective Clothing or Equipment

LONG SLEEVED SHIRT WITH BUTTON COLLAR AND LONG PANTS EXTENDING OVER HIGH TOP WORK BOOTS.

Work/Hygenic Practices

USE PROTECTIVE BARRIER CREAM, PARTICULARLY ON WRISTS AND NECK. WASH WELL WITH SOAP

AND WATER AFTER WORKING WITH THIS PRODUCT.

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