

PRODUCT NAME: CPM Concrete Patching Material

MATERIAL SAFETY DATA SHEET

UNIQUE PAVING MATERIALS CORPORATION

Date Prepared: February 10, 2006

Date Reviewed: January 12, 2008

1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): CPM Concrete Patching Material

Company: Unique Paving Materials Corporation
3993 East 93rd Street
Cleveland, Ohio 44105

Emergency Telephone Numbers: (216) 41-4880 (8:00 am-4:30 pm Mon-Fri)
(800) 424-9300 CHEMTREC

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>% By Weight</u>
Silica quartz sand and powder	14808-60-7	40-60
Portland Cement (also known as Hydraulic Cement being a mixture of calcium and silicates and aluminate and calcium sulfate dehydrate).	65997-15-1	20-40

3.0 HAZARDS IDENTIFICATION

Potential Health Effects and Symptoms of Exposure

Eyes: Exposure to airborne dust may cause irritation or inflammation. Splashes of the wet (alkaline) product will cause effects ranging from moderate irritation to BLINDNESS. Such exposure requires immediate first aid and medical attention to prevent serious damage to the eye.

Skin: Exposure to the dry product may cause drying of the skin and irritation. Contact of wet skin with the powder, or of dry skin with the wet product, may result in more severe effects such as cracking or fissuring of the skin. Prolonged exposure may result in severe chemical (caustic) burns.

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Swallowing: Ingestion of small quantities of Portland Cement are not known to be harmful, ill effects are likely if larger quantities are consumed.

Inhalation: Prolonged exposure to airborne free crystalline silica may cause delayed lung injury including silicosis. Exposure to Portland Cement may cause irritation to the mucous membranes and upper respiratory system.

Cancer Information: Crystalline silica is classified by IARC as a known human carcinogen (Group1). NTP describes respirable silica as “reasonably anticipated to be a carcinogen” Portland Cement is not listed as a carcinogen by the NTP, IARC or OSHA.

Developmental and Reproductive Effects: Not known

FIRST AID MEASURES:

Eyes: Immediately flush eyes thoroughly with water, and continue irrigation for at least 15 minutes, including under lids in order to remove all particles. Contact physician if irritation persists.

Skin: Wash skin with water and pH neutral soap or mild detergent. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air. Seek immediate medical help if coughing and other symptoms do not quickly subside.

Swallowing: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

4.0 FIRE FIGHTING MEASURES

Flash Point: N/A

Explosive Limit: N/A

Flammable Limit: N/A

Extinguishing Media: N/A

Fire Fighting Instructions: N/A

Fire and Explosion Hazards: N/A

Hazardous Products of Combustion: N/A

5.0 ACCIDENTAL RELEASE MEASURES

Small Spill: Wear appropriate personal protective equipment as needed. Scoop spilled dry material in such a way as to avoid the dust becoming airborne. Scrape wet material and place in appropriate container.

Large Spill: Same as methods above.

6.0 HANDLING AND STORAGE

Avoid actions that cause dust to become airborne. Use local or general ventilation to control exposure. Keep product dry until used. Normal temperatures and pressures do not affect the material.

7.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use NIOSH/MSHA approved (under 30 CFR 11) or NIOSH approved (under CFR84) respirators in poorly ventilated areas.

Eye and Skin Protection: Safety glasses or goggles, which are unvented or indirectly vented to avoid eye injury. Contact lenses are not to be worn. Where prolonged exposure to the unhardened product might occur, wear impervious clothing, gloves and footwear to eliminate skin contact. Barrier creams are NOT TO BE USED.

Hygiene Practices: If contact occurs promptly wash affected area with copious quantities of water. Promptly remove dusty clothing, or any that is wet with cement fluids and launder before re-use.

Exposure Guidelines:

<u>Ingredient</u>	<u>PEL</u>	<u>TLV</u>
Silica quartz sand and powder	8 hr TWA(10 mg respirable Dust/m ³)	TWA:0.1 mg respirable Quartz dust
Portland Cement	8 hr TWA 10 mg total dust/M ³	TWA 10 mg total dust/M ³

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8.0 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/A

Specific Gravity: (H₂O=1): 3-4

Vapor Density: N/A

Evaporation Rate: N/A

Percent Volatile: N/A

Solubility in Water: Slightly

Odor, Appearance and Color: Non odorous light grey

9.0 STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur

Hazardous Decomposition: Contact with amphoteric metals will result in generation of hydrogen gas.

Chemical Stability: Addition of water results in hydration and produces caustic calcium hydroxide.

Incompatibility: When wet the material is alkaline. As such it is incompatible with acids, ammonium salts and metallic aluminum.

10.0 TOXICOLOGICAL INFORMATION

See Hazard Identification Section 3

11.0 ECOLOGICAL INFORMATION

Release of this product into surface waters or drains should be avoided.

12.0 DISPOSAL CONSIDERATIONS

Allow to set up before disposal according to local, provincial or federal regulations.

DO NOT WASH WET PRODUCT DOWN DRAINS.

13.0 TRANSPORT INFORMATION

DOT Description:

Proper Shipping Name: CPM Concrete Patching Material

Hazard Class: Not regulated by DOT as a hazardous substance

UN Number: None

NA Number: None

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14.0 REGULATORY INFORMATION

US Federal Regulations

OSHA Hazard Communication Standard (29CFR 1910.1200):

This product is considered to be non-hazardous as defined in OSHA's Hazard Communication Standard.

15.0 OTHER INFORMATION

NFPA Classification
Rating

HMIS Classification

Hazard

Health:1

Health:1

0 - Least

Fire: 0

Fire:0

1 - Slight

Reactivity:2

Reactivity:2

2 - Moderate

Other:

Personal Protection:*

3 - High

4 - Extreme

Comments:

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