

# MATERIAL SAFETY DATA SHEET

Metropolitan Compounds  
3343 N University Dr.  
Hollywood, FL 33024

GENERAL INFORMATION NUMBER: (855) 474-6781

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## I - Product Identification

### Concrete Patch

CHEMICAL FORMULATION: Dry Portland cement mixture.  
NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2  
HAZARD RATING: 4 - Extreme; 3 - High;

FLAMMABILITY: 0  
2 - Moderate; 1 - Slight;

REACTIVITY: 0  
0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Silica sand, crystalline (free silica respirable fraction)	50.0	10 mg/m <sup>3</sup> %SiO <sub>2</sub> +2	0.05 mg/m <sup>3</sup> (respirable)	N	N	N	14808-60-7
Portland cement	25.0	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	N	N	N	65997-15-1
May Contain One Or More Of The Following Ingredients:							
Amorphous silica		80 mg/m <sup>3</sup> % SiO <sub>2</sub>	10 mg/m <sup>3</sup>	N	N	N	7631-86-9
Calcium Sulfate		5	5	N	N	N	10101-41-4 or 13397-24-5
Lime		5	5	N	N	N	01305-62-0
Fly Ash		5	5	N	N	N	68131-74-8
Calcium Aluminate Cement		5	5	N	N	N	65997-16-2
Clay		5	5	N	N	N	1332-58-7
Pulverized Limestone		5	5	N	N	N	1317-65-3

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): > 2700  
VAPOR PRESSURE (mm Hg): None  
VAPOR DENSITY (AIR = 1): None  
SOLUBILITY IN WATER: Slight  
APPEARANCE AND ODOR: Gray powder, no odor.  
SPECIFIC GRAVITY (WATER = 1): 2.60 - 3.15  
VOC CONTENT (% by weight): N/A  
EVAPORATION RATE (WATER = 1): None  
pH: N/A

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None (TEST METHOD): Closed cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: None LOWER: None  
EXTINGUISHING MEDIA: Noncombustible and not explosive.  
SPECIAL FIRE FIGHTING PROCEDURES: None  
UNUSUAL FIRE AND EXPLOSION HAZARD: None

PRODUCT NAME: Concrete Patch

**V - Reactivity Data**

**STABILITY:** Stable.

**INCOMPATIBILITY:** Strong oxidizing agents such as fluorine, chlorine, trifluoride, manganese trioxide, oxygen difluoride, may cause fires.

**CONDITIONS TO AVOID:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Silica will dissolve in hydrofluoric acid and produce silicon tetrafluoride, a corrosive gas.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None.

**VI - Health Hazard Data**

**ROUTES OF ENTRY**      **INHALATION:** X      **EYE CONTACT:** X      **SKIN CONTACT:** X      **INGESTION:** X  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:**

Respirable crystalline silica.

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** Irritation and burns.

**IF ON SKIN:** Irritation dryness and burns with prolonged or repeated contact after product is mixed with water.

**IF SWALLOWED:** Gastrointestinal irritation, nausea, vomiting, diarrhea.

**IF INHALED:** Irritation to upper respiratory tract, shortness of breath, reduced pulmonary function. Long-term exposure to crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs and possibly cancer.

**CHRONIC EXPOSURE:** Dust can cause inflammation of the eyes and upper respiratory tract. Hypersensitive individuals may develop an allergic dermatitis. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs and possibly cancer. There is evidence that exposure to respirable silica or the disease silicosis is associated with an increased incidence of Scleroderma, tuberculosis and kidney disorders.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing. If irritation persists, obtain medical attention.

**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air. Perform artificial respiration if breathing has stopped. Obtain medical assistance.

**VII - Spill or Leak Protection**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** If spilled, use dustless methods (vacuum) and place into covered container for disposal or place in a container for reuse if not contaminated or wet. Use adequate ventilation.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

**VIII - Special Protection Information**

**RESPIRATORY PROTECTION:** DO NOT BREATHE DUST. Use with adequate ventilation. Do not breathe dusts. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Recommended

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Wear tight fitting goggles.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash station, long sleeves and long pants.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Wash thoroughly after handling. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children.

**IX - Transportation Information (ground transportation only)**

**DOT PROPER SHIPPING NAME:** None.

**DOT CLASS:** None.

**DOT ID NUMBER:** None.

**DOT PACKING GROUP:** None.

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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