

# Material Safety Data Sheet

Date last revised SEPTEMBER 2009

## I. GENERAL INFORMATION

Chemical Name & Synonyms AIR ENTRAINED CONCRETE PATCH	Trade Name & Synonyms PECORA AIR ENTRAINED CONCRETE PATCH
Chemical Family HYDRAULIC CEMENT	Formula MIXTURE
Proper DOT Shipping NOT REGULATED	DOT Hazard Classification N/A
Manufacturer PECORA CORPORATION	Manufacturer's Phone Number 215-723-6051
Manufacturer's Address 165 Wambold Road, Harleysville, PA 19438	Chemtrec Phone Number 800-424-9300

## II. INGREDIENTS

Ingredient	CAS Number	Percent of Total Weight
HYDRAULIC CEMENT	65997-15-1	
CALCIUM SULFATE	7778-18-9	
IRON OXIDE	1309-37-1	
CALCIUM CARBONATE	1317-65-3	
MAGNESIUM OXIDE	1309-48-4	
CALCIUM OXIDE	1306-78-8	
AMORPHOUS SILICA	7631-86-9	
ALUMINUM OXIDE	1344-28-1	

THIS PRODUCT CONTAINS NO CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR, PART 372.

THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND MAY ALSO CONTAIN TRACE AMOUNTS OF HEAVY METALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

VOC CONTENT: N/A

## III. PHYSICAL DATA

Boiling Point: >1800°F	Specific Gravity (H <sub>2</sub> O = 1) 2.5 – 2.8
Vapor Pressure (mm Hg): N/A	Percent Volatile by Volume (%) N/A VOC Content– N/A
Vapor Density (Air = 1): N/A	Evaporation Rate (ETHER= 1) N/A
Solubility in Water: SLIGHTLY SOLUBLE	pH: 12 – 13 (IN WATER)
Appearance & Odor: SOLID: POWDER MIXED WITH SAND AND ROCK WITH A CEMENT ODOR	

## IV. FIRE & EXPLOSION HAZARD DATA

Flash Point (Closed Cup): NON-FLAMMABLE	Auto Ignition Temperature: N/A
Flammable Limits:	LEL: N/A UEL: N/A
Extinguishing Media: NOT COMBUSTIBLE	
Special Fire Fighting Procedures: NONE	
Unusual Fire & Explosion Hazards: NONE KNOWN	

**PECORA CONCRETE PATCH**

**V. HEALTH HAZARD DATA**

OSHA Permissible Exposure Limit AMORPHOUS SILICA – 80 mg/m <sup>3</sup> IRON OXIDE – 10 mg/m <sup>3</sup> ALL OTHER COMPONENTS – 5 mg/m <sup>3</sup> (RESPIRABLE) 15 mg/m <sup>3</sup> (TOTAL DUST)	ACGIH Threshold Limit Value AMORPHOUS SILICA – 10 mg/m <sup>3</sup> IRON OXIDE – 5mg/m <sup>3</sup> ALL OTHER COMPONENTS – 10 mg/m <sup>3</sup> (TOTAL DUST)
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Carcinogen – NTP Program CRYSTALLINE SILICA – KNOWN CARCINOGEN	Carcinogen – IARC Program CRYSTALLINE SILICA – KNOWN HUMAN CARCINOGEN (GROUP 1)
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HEALTH: 1*	FLAMMABILITY: 0	REACTIVITY: 0
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Symptoms of Exposure: MAY CAUSE EYE AND SKIN IRRITATION UPON EXPOSURE. MAY CAUSE RESPIRATORY TRACT IRRITATION, IF INHALED, MAY CAUSE INDIGESTION, IRRITATION OR GASTROINTESTINAL BLOCKAGE, IF INGESTED.

Medical Conditions Aggravated By Exposure: PRECLUDE FROM EXPOSURE THOSE INDIVIDUALS HAVING A HISTORY OF RESPIRATORY AILMENTS.

Primary Route (s) of Entry: INHALATION, DERMAL AND INGESTION

Emergency First Aid: **DERMAL:** WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. **INHALATION:** REMOVE TO FRESH AIR. GET MEDICAL ATTENTION, IF NEEDED. **EYES:** FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. **INGESTION:** IF INGESTED, DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN IMMEDIATELY.

**VI. REACTIVITY DATA**

Stability	<input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	Conditions to Avoid: UNINTENTIONAL CONTACT WITH WATER
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Incompatibility: Materials to Avoid: ACIDS, AMMONIUM SALTS AND ALUMINUM METAL

Hazardous	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions to Avoid: NONE KNOWN
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Hazardous Decomposition Products: NONE KNOWN

**VII. ENVIRONMENTAL PROTECTION PROCEDURES**

Spill Response: USE DRY CLEAN-UP METHODS THAT DO NOT DISPERSE DYST INTO THE AIR OR ENTRY INTO SURFACE WATER. PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.

Waste Disposal Method: PRODUCT DOES NOT MEET THE DEFINITION OF A HAZARDOUS WASTE IF DISPOSED, AS RECEIVED. DISPOSE IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS.

**VIII. SPECIAL PROTECTION INFORMATION**

Skin Protection: IMPERVIOUS GLOVES

Eye Protection: SAFETY GLASSES OR GOGGLES

Respiratory Protection (Specific Type): NIOSH APPROVED RESPIRATOR, IF NECESSARY

Ventilation Recommended: LOCAL EXHAUST SHOULD BE SUFFICIENT.

Other Protection: PPE, AS REQUIRED, TO PREVENT PROLONGED OR REPEATED SKIN CONTACT.

**IX. SPECIAL PRECAUTIONS**

Hygienic Practices In Handling & Storage: KEEP PRODUCT CONTAINERS DRY. WASH HANDS THOROUGHLY AFTER USE AND BEFORE EATING OR SMOKING.

Precautions For Repair & Maintenance of Contaminated Equipment:  
SEE SECTION V, VI

Other Precautions: KEEP PRODUCT DRY AND AVOID MOISTURE. KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN USE. AVOID GENERATION OF AIRBORNE DUST IN EXCESS OF PERRMISSIBLE EXPOSURE LIMITS.

**FOR PROFESSIONAL USE ONLY**

**KEEP OUT OF REACH OF CHILDREN!**