

# Material Safety Data Sheet

# PERMA•CRETE®

**MANUFACTURER'S NAME:**

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## SECTION I-PRODUCT IDENTIFICATION

**PRODUCT NAME:** PERMA•CRETE® MATRIX MIX & PERMA•GRIT MATRIX MIX

## SECTION II-HAZARDOUS INGREDIENTS

A mixture of calcium sulfates, calcium silicates, and calcium aluminates.

(3CaO.SiO<sub>2</sub>),

(2CaO.SiO<sub>2</sub>),

(3CaO.Al<sub>2</sub>O<sub>3</sub>),

(4CaO.Al<sub>2</sub>O<sub>3</sub>.Fe<sub>2</sub>O<sub>3</sub>),

(CaSO<sub>4</sub>.H<sub>2</sub>O)

Silica Sand (Crystalline Silica)

Sodium Resinate

## SECTION III-PHYSICAL DATA

<b>BOILING POINT:</b>	N/A	<b>APPEARANCE:</b>	White in color
<b>VAPOR PRESSURE (mm Hg):</b>	N/A	<b>ODOR:</b>	Odorless
<b>VAPOR DENSITY (Air = 1):</b>	N/A	<b>EVAPORATION</b>	
<b>MELTING POINT:</b>	N/A	<b>RATE (Butyl Acetate=1):</b>	N/A
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	2.8-2.9	<b>SOLUBILITY IN WATER:</b>	Slight 0.1-1.0%

## SECTION IV-FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT:</b>	N/A
<b>FLAMMABLE LIMITS:</b>	N/A
<b>LEL:</b>	N/A
<b>UEL:</b>	N/A
<b>EXTINGUISHER MEDIA:</b>	N/A
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	N/A
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	None

## SECTION V-HEALTH HAZARD DATA

**ROUTES OF ENTRY:** Inhalation: Yes      Skin: Yes      Ingestion: No

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

IF PRODUCT IS SUBJECTED TO MOISTURE, ALKALI BURN OF EYES OR SKIN MAY RESULT IF CONTACTED. PROLONGED INHALATION OF AIRBORNE PARTICLES MAY CAUSE LUNG LINING IRRITATION. CRYSTALLINE SILICA IN THE LUNG CAN CAUSE SILICOSIS.

## SECTION V-HEALTH HAZARD DATA

**CARCINOGENICITY:** NTP: No IARC Monographs: ? OSHA Regulated: No  
IARC Homographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (Volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and there is limited evidence of the carcinogenicity of crystalline silica in humans.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

Burning of eyes or skin.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Persons with lung disease should avoid inhalation.

**FIRST AID:**

Wash eyes or exposed skin areas immediately and repeatedly with water. Seek prompt medical attention if required.

## SECTION VI-REACTIVITY DATA

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Although no hazardous reaction will occur, product should be kept dry until used. None - Product is stable.  
**INCOMPATIBILITY:** N/A  
**POLYMERIZATION:** Will not occur.  
**HAZARDOUS DECOMPOSITION (or By-Products):** N/A

## SECTION VII-SPILL AND DISPOSAL PROCEDURES

**HANDLING AND STORAGE:** Care should be taken to avoid bag breakage and excessive moisture.  
**OTHER PRECAUTIONS:** Use good housekeeping techniques.  
**MATERIAL RELEASE OR SPILL:** Use dry cleanup methods that do not disperse the dust into the air. Avoid breathing the dust.  
**DISPOSAL OF MATERIAL:** Follow state and local regulations for solid waste.

## SECTION VIII-SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** Use of a NIOSH approved respirator is recommended.  
**VENTILATION:** Local exhaust if necessary to control airborne dust levels. Use of dust collectors may be necessary.  
**PROTECTIVE GLOVES:** Use of impervious gloves recommended for handling wet cement.  
**EYE PROTECTION:** Use of sealed goggles is recommended.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Boots, barrier creams and clothing to protect the skin from prolonged contact with the product.  
**WORK HYGIENE PRACTICES:** Keep product contained to avoid airborne dust.

**Abbreviations:** N/D - Not Determined

N/A - Not Applicable

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