

Material Safety Data Sheet

PERMA•CRETE®

MANUFACTURER'S NAME:

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SECTION I-PRODUCT IDENTIFICATION

PRODUCT NAME: POOL INTERIOR MATRIX MIX

SECTION II-HAZARDOUS INGREDIENTS

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

(3CaO.SiO₂),

(2CaO.SiO₂),

(3CaO.Al₂O₃),

(4CaO.Al₂O₃.Fe₂O₃),

(CaSO₄.H₂O)

Silica Sand (Crystalline Silica)

Sodium Resinate

SECTION III-PHYSICAL DATA

BOILING POINT:	N/A	APPEARANCE:	White in color
VAPOR PRESSURE (mm Hg):	N/A	ODOR:	Odorless
VAPOR DENSITY (Air = 1):	N/A	EVAPORATION	
MELTING POINT:	N/A	RATE (Butyl Acetate=1):	N/A
SPECIFIC GRAVITY (H₂O = 1):	2.8-2.9	SOLUBILITY IN WATER:	Slight 0.1-1.0%

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A
FLAMMABLE LIMITS:	N/A
LEL:	N/A
UEL:	N/A
EXTINGUISHER MEDIA:	N/A
SPECIAL FIRE FIGHTING PROCEDURES:	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:	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: Yes OSHA Regulated: No

Crystalline Silica is listed in the IARC Monographs on The Evaluation of the Carcinogenic Risk Chemicals to Humans as having "limited evidence" for carcinogenicity to humans.

SIGNS AND SYMPTOMS OF EXPOSURE: Burning of eyes or skin. Persons with lung disease should avoid inhalation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Chronic lung scarring leads to a progressive massive fibrosis that is often accompanied by increased susceptibility to the risk of impaired health due to a combination of smoking and silica dust exposure.

FIRST AID:

Wash eyes or exposed skin areas immediately and repeatedly with water. If a known acute exposure or incident occurs, immediately call a physician or the nearest medical facility.

SECTION VI-REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: The products listed in Section II react with hydrofluoric acid to generate volatile SiF₄. They are attracted by strong alkalis.

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: Avoid prolonged contact between skin surface and wet or moist portland cement or clothing saturated with wet or moist portland cement. Skin areas that have been in contact with wet or moist Portland cement should be washed promptly and thoroughly with fresh, clean water.

MATERIAL RELEASE OR SPILL: Cleanup with dustless method (use vacuum or wet sweeping). Provide ventilation.

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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