

MSDS
Material Safety Data Sheet

MANUFACTURER

Merkrete Systems

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A Division of **ParexLahabra**

SECTION I - IDENTITY

Merkrete ClassicSet (Dry Set Mortar)

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components

Portland Cement (CAS-65977-15-1)
OSHA PEL: 50 Mppcf
ACGIH TLV: 10mg/m3-TWA

Silica Sand (CAS-01-4808-60-7)
OSHA PEL: 0.1mg/m3 (respirable); 0.3mg/m3 (total dust)
ACGIH TLV: 0.1mg/3 (respirable dust)

Clay (12428-46-5)
OSHA PEL: 5mg/m3 (respirable); 15mg/m3 (total dust)
ACGIH TLV: 10mg/m3-TWA

SECTION III - Physical/Chemical Characteristics

Boiling Point: NA Specific	Gravity: 2.5
Vapor Pressure: NA	Melting Point: ND
Vapor Density: NA	Evaporation Rate: NA Solubility in Water: <1%
Appearance and Odor: White or gray powder - no odor	

SECTION IV - Fire and Explosion Hazard Data

Flash Point: NA	Flammable Limits: NA
Extinguishing Media: NA	Special Fire Fighting Procedures: NA
Unusual Fire and Explosion Hazards: NA	

SECTION V - Reactivity Data

Stability: Stable
Incompatibility: Mineral Acids Hazardous Decomposition or
Byproducts: CO, CO2, Silicon tetra fluoride (with hydrofluoric acids)
Hazardous Polymerization: Will Not Occur

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SECTION VI - Health Hazard Data

Primary Routes of Entry: Inhalation: YES

Skin: YES

Ingestion-NO

Health Hazards

Acute: Portland Cement mortar can dry the skin & cause alkali burns. Dust can irritate the eyes & upper respiratory system.

Chronic: Dust can cause inflammation of interior of nose & eyes. Prolonged exposure to dust over the TLV may cause scarring of lungs, & delayed lung injury (silicosis).

Carcinogenicity: NTP-NO IARC

Monographs- YES

OSHA Regulated-NO.

This product itself is not regulated but it contains small amounts of naturally occurring crystalline silica. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemical to humans (volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and that there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC Class 2A.

Signs & Symptoms of exposure: Shortness of breath, coughing, reddening of eyes. Medical Conditions Aggravated by Exposure: Hypersensitive individuals may develop allergenic dermatitis.

Emergency and First Aid Procedures

Eye & skin contact: Flush eyes with large amount of water for 15 min. Wash affected area with soap & water. If irritation persists see physician. If accidentally ingested-contact physician.

SECTION VII - Precautions for Safe Handling and Use

Released or Spilled: Collect spills using dustless method, material can be returned to container for later use, wear OSHA approved respirator for silica dust when cleaning area.

Waste Disposal Method: Mortar can be disposed of as common waste, unrestricted sanitary landfill.

Precautions to be Taken in Handling and Storing: Eliminate exposure to dust, use OSHA approved mask for silica dust, if freshly mixed mortar gets into eyes or contacts skin - flush immediately & repeatedly with water & contact physician immediately.

SECTION VIII - Control Measures

Respiratory Protection: OSHA approved respirator for silica dust.

Ventilation: Local exhaust - YES

Mechanical: N/A Special - N/A

Other: N/A Protective

Gloves: Rubber recommended.

Eye Protection: Tight fitting goggles in busy area.

Other Protective Clothing: Barrier cream, boots & clothing should protect skin from dust and wet mortar.

Work/Hygienic Practices: Workers should shower with soap & water after working with mortar.

NA=NOT APPLICABLE

ND=NOT DETERMINED