

Manufacturer

Somar Industries, Ltd.
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Section I**Identity**

PERMACOAT 720 BASE REF#F38

Section II**Hazardous Ingredients/****Identity Information**

- Hazardous Components: Portland Cement (CAS 65977-15-1)
- OSHA PEL: 50 Mpcf
- ACGIH TLV: 10mg/m³ TWA
- Hazardous Components: Limestone (CAS 474-34-1)
- OSHA PEL: 5mg/m³ (respirable): 15mg/3m (Total Dust)
- Hazardous Components: Silica (CAS 01-4808-60-7)
- OSHA PEL: 0.1 mg/m³ (respirable): 0.3mg/m³ (Total Dust)
- ACGIH TLV: 0.1mg/m³ Respirable dust
- Hazardous Components: Fiber Glass (Non-hazardous)
- OSHA PEL: 5mg/m³
- ACHIG TLV: 5mg/m³

Section III**Physical/Chemical Characteristics**

- Boiling Point: NA
- Specific Gravity: 3.1
- Vapor Pressure: NA
- Melting Point: ND
- Vapor Density: NA
- Evaporation Rate: NA
- Solubility in Water: < 1%
- Appearance and Odor: Gray powder with fiberglass 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
NA=NOT APPLICABLE ND=NOT DETERMINED DATE PREPARED 1/1/96 REF: F-38

Section V**Reactivity Data**

- Stability – Stable
- Incompatibility – Mineral Acids
- Hazardous Decomposition or byproducts – CO, CO₂, Silicon tetra fluoride (with hydrofluoric acid)
- Hazardous Polymerization – Will Not Occur

Section VI**Health Hazard Data**

- Primary routes of Entry:
Inhalation – Yes
Skin – YES
Ingestion – NO
- Health Hazards:
Acute: Portland Cement mortar can dry 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 and delayed lung injury (silicosis).

- Carcinogenicity:
NTP – NO IAR
Monographs – YES OSHA
Regulated – NO

This product itself is not regulated but it contains small amount of naturally occurring crystalline silica. IARC Monographs on the Evaluation of the Carcinogenic Risk of chemical to humans (Volume 42, 1987) concluded 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 and symptoms of exposure: Shortness of breath, coughing and reddening of eyes.
- Medical Conditions Aggravated by Exposure: Hyper-

sensitive individuals may develop allergic dermatitis.

- Emergency and First Aid procedures: Irrigate eyes with water, wash exposed skin area with water, remove patient to fresh air. If accidentally ingested mortar may set & cause bowel obstruction - consult 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 land fill.
- Precautions to be taken in handling and storing: Eliminate exposure to dust, use OSHA approved mask for silica dust if freshly mixed mortar gets in eyes or contact 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. with mortar.
- Work/Hygiene Practices: Workers should shower with soap & water after working with mortar.

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