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**MATERIAL SAFETY DATA SHEET**

**AGGREGATE**

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**PRODUCT NAME:** PREFERRED DECK OVERLAYMENT  
**REF #:** PDO-001

===== **SECTION I – MANUFACTURER IDENTIFICATION** =====

**MANUFACTURER'S NAME:** PREFERRED DECK SYSTEMS LLC  
**ADDRESS:** 7534 W. MADISON ST.  
TOLLESON, AZ 85353  
**EMERGENCY PHONE:** (602) 909-6199  
**INFORMATION PHONE:** (888) 440-3320  
**DATE PREPARED:** 6/21/01  
**NAME OF PREPARER:** RALPH SKAGGS

===== **SECTION II – HAZARDOUS INGREDIENTS/ IDENTITY INFORMATION** =====

Hazardous Components: Portland Cement (CAS-65977-15-1)  
OSHA PEL: 50Mppcf  
ACGIH TLV: 10mg/ m3 – TWA  
Hazardous Components: Clay (Trade secret)  
OSHA PEL: N/A  
ACGIH TLV: N/A  
Hazardous Components: Silica (CAS-01-4808-60-07)  
OSHA PEL: 0.1mg/ m3 – (respirable) : 0.3mg/ m3 (total dust)  
ACGIH TLV: 0.1mg/ m3 – TWA  
Hazardous Components: Formaldehyde<0.2% (CAS-50-00-0)  
OSHA PEL: 0.75mg/ m3 – (respirable)  
ACGIH TLV: 0.3mg/ m3 – TWA : 0.37 mg/ m3 (ceiling)

===== **SECTION III – PHYSICAL/ CHEMICAL CHARACTERISTICS** =====

**BOILING POINT:** NA  
**VAPOR PRESSURE:** NA  
**VAPOR DENSITY:** NA  
**SOLUBILITY IN WATER:** <1%  
**APPEARANCE AND ODOR:** White or powder – No Odor  
**SPECIFIC GRAVITY:** 3.1  
**MELTING POINT:** ND  
**EVAPORATION RATE:** NA

===== **SECTION IV – FIRE AND EXPLOSION HAZARD DATA** =====

**FLASH POINT:** NA  
**EXTINGUISHING MEDIA:** NA  
**SPECIAL FIREFIGHTING PROCEDURES:** NA  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NA  
**FLAMMABLE LIMITS:** NA

NA= NOT APPLICABLE

ND= NOT DETERMINED

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===== SECTION V – REACTIVITY DATA =====

**STABILITY:** STABLE

**INCOMPATIBILITY:** MINERAL ACIDS

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** CO, CO<sub>2</sub>, 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 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 the 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 GENERALLY AGGREGATED BY EXPOSURE:** Hypersensitive Individuals may develop allergic dermatitis.

**EMERGENCY AND FIRST AID PROCEDURES:** Irrigate eyes with water, wash exposed skin areas 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. Material may become very slippery when wet.

**WASTE DISPOSAL METHOD:** Do not allow to enter wastewater drains, watercourse or soil. Disposal must be done in accordance with Local, State, and Federal regulations.

**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 – NA  
Special – NA    Other - NA

**PROTECTIVE GLOVES:** Recommended

**EYE PROTECTION:** Tight fitting goggles in busy area

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**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. Avoid chronic inhalation of dust.

===== **SECTION IX – DISCLAIMER** =====

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