

## MATERIAL SAFETY DATA SHEET

Date of MSDS: 6/11/08

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### SECTION I - PRODUCT AND COMPANY IDENTIFICATION

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**Identity:** Architectural Profiles (ALL VARIETIES)  
**Manufacturer's Name:** PATTERSON WHITTAKER ARCHITECTURAL PROFILES

Product Information Telephone: (604) 852-4224  
 MSDS Information Telephone: (206) 325-0664  
 24-hour Emergency Contact: CHEMTREC (800) 424-9300

**Hazard Rating: Health (0) Fire (1) Reactivity (0)**

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### SECTION II - PRODUCT AND COMPONENT DATA

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Ingredients	CAS Number	Wt. Percent	EXPOSURE LIMITS:	
			ACGIH TLV	OSHA PEL
Expanded polystyrene (EPS) <sup>1</sup>	9003536	> 90%	None	None
Proprietary Pigmented Cementitious Textured Coating Containing Silica Sand (Particulate – Not Otherwise Classified) <sup>2</sup>	Various	< 5%	10 mg/m (total) <sup>3</sup>	15 mg/m (total) <sup>3</sup>
Silica Sand <sup>3</sup>	14808-60-7	< 5%	0.05 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> ÷ (% SiO +2) (respirable)

**NOTES:**

1. This product is an article that causes no hazardous substance exposure during normal use. Expanded polystyrene (EPS) blocks are preformed before application of textured coating. EPS does not contain chlorofluorocarbons (CFCs) or Hydrofluorocarbons (HCFCs).
2. The pre-made polystyrene shape is coated with the texturizing material, dried and vitrified.
3. Respirable dust may result from pulverizing the texturized coating by aggressive cutting or sanding. Only recommended cutting devices and installation procedures should be employed.

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### SECTION III - HEALTH HAZARD & FIRST AID INFORMATION

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Primary Routes of Exposure: Dust particles, if generated, may be inhaled or enter eyes.

Signs and Symptoms of Overexposure: This product is an article, but may release dust due to aggressive cutting and sanding. Eye, nose, and throat irritation may occur with prolonged exposure to high dust concentrations.

ACGIH and OSHA have determined that adverse effects are not likely to occur in the workplace provided exposure levels do not exceed the appropriate TLVs/PELs. However, because of the wide variation in individual susceptibility, lower exposure limits may be appropriate for some individuals, including persons with pre-existing medical conditions such as those described below.

**Abbreviations:** TLV = threshold limit value of the American Conference of Governmental Industrial Hygienists (ACGIH); OSHA PEL = permissible exposure limit of the Occupation Safety and Health Administration (OSHA); mg/m<sup>3</sup> = milligrams of substance per cubic meter of air. WHMIS – Canada-wide System.

Note: This product is not expected to present health hazards under normal use or as packaged from the point of manufacture. There are no known medical conditions aggravated by exposure to final product.

**SUBCHRONIC AND CHRONIC HEALTH EFFECTS:**

Pulmonary Diseases: Excessive exposure to particulates (dust) over an extended period of time may result in the

development of silicosis and other pulmonary diseases.

Carcinogenicity: IARC has classified respirable crystalline silica (quartz) as a known carcinogen in humans. This product is not expected to present an inhalation hazard. Aggressive cutting or sanding may result in exposure to respirable crystalline silica.

See also: American Society for testing and Materials (ASTM) Standard practice E1132-86, "Standard Practice for Health Requirements Relating to Occupational Exposure to Quartz Dust."

Medical Conditions Aggravated by Exposure: Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications of allergies resulting in irritation to skin, eyes and respiratory passage may occur from excessive exposure to dusts.

#### **ACUTE HAZARDS:**

Primary Routes of Exposure: Inhalation and eye contact as this product may release a nuisance dust if aggressively cut or sanded.

Eye Contact: Dust from this product, if aggressively cut or sanded, may cause eye irritation.

Skin Contact: Not expected to present a skin hazard. Wash exposed areas with mild soap and water. Consult physician if irritation persists. This product is not expected to be hazardous through dermal absorption.

Ingestion: This product is not expected to be hazardous by ingestion. Biologically inert may act as an obstruction. Consult physician if swallowed.

Inhalation: This product is not expected to present an inhalation hazard. Aggressive cutting or sanding may result in exposure to respirable crystalline silica.

Safety Precautions: Recommended cutting devices should be used. Aggressive cutting or sanding requires the use of safety glasses or goggles, and dust mask.

#### **FIRST AID:**

Eyes: Rinse with clean water. Remove foreign particles with clean, lint free cloth. Obtain medical attention if pain, blinking, tears, or redness persists.

Skin: Not expected to require first aid measures. Wash with soap and water. Consult a physician if irritation persists.

Ingestion: Not an expected route of overexposure. Consult a physician if swallowed.

Inhalation: Not an expected route of overexposure. Consult a physician if respiratory distress occurs.

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#### **SECTION IV - PHYSICAL/CHEMICAL CHARACTERISTICS**

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Form: Textured rigid cellular foam shapes	Specific Gravity (H <sub>2</sub> O = 1): 1.0 to 2.2 pcf
Color: Varies	Boiling Point: N/A
Odor: Slight hydrocarbon odor	Vapor Pressure (mm Hg): N/A
Freezing Point: N/A	% Volatile By Weight: .18
Vapor Density (Air = 1): N/A	Evaporation Rate: (Butyl Acetate = 1) N/A
Melting Point: Softens at 175°F to 220°	Solubility in water: Insoluble

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#### **SECTION V - FIRE AND EXPLOSION HAZARD DATA**

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Flash Point (Method Used): 346° C or 650° F      Auto Ignition Rate: 850°F Min.  
Extinguishing Media: Water(x) Water Fog (x) Foam (x) Dry Chemical (x) Other: ABC Type Extinguisher  
Special Fire Fighting Procedures: Wear self contained breathing apparatus in confined areas.  
Unusual Fire and Explosion Hazards: May emit large volume of dense, black smoke, CO<sub>2</sub>, CO. dust generated by sanding or sawing will increase the fire hazard and should be handled accordingly.

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**SECTION VI - REACTIVITY DATA**

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Stability: Stable. Avoid high temperatures

Incompatibility (Materials to Avoid): Will dissolve in most organic solvents

Hazardous Decomposition or Byproducts: Carbon Monoxide, Carbon Dioxide, carbon, water, hydrogen halides

Hazardous Polymerization: Will Not Occur

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**SECTION VII - PERSONAL PROTECTION AND CONTROL MEASURES**

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**RESPIRATORY PROTECTION:** Use recommended cutting devices. Use approved dust mask if aggressively cutting or sanding.

**SKIN PROTECTION:** None required. Wear gloves and/or sleeves if sensitivity noted.

**PROTECTIVE CLOTHING:** Not normally necessary.

**EYE PROTECTION:** Use approved safety glasses/goggles if aggressively cutting or sanding.

**LOCAL EXHAUST:** Use positive ventilation if dust is generated.

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**SECTION VIII - SPILL, LEAK OR RELEASE PROCEDURES**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Good housekeeping should be observed to maintain clean work surfaces. Material can be swept or picked up and placed into a suitable container for disposal.

**REPORTABLE QUANTITY:** None

**WASTE DISPOSAL METHOD:** Recycle or landfill per local, state and federal regulations. Clean off cuts can be recycled through some EPS manufacturers.

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**SECTION VIII - HANDLING AND STORAGE INFORMATION**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Although expanded polystyrene contains a fire retardant additive, it is considered to be combustible, and should be protected from sources of ignition.

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**SECTION IX – REGULATORY INFORMATION**

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**California Proposition 65 Warning:** Dry cutting, sanding or grinding these products will expose you to respirable crystalline silica and very small amount of formaldehyde which are “known in the State of California to cause cancer and other substances which are known to the State of California to cause cancer, birth defects and other reproductive harm.”

**EPCRTKA §313 and 40 CFR 372.** Not applicable to manufactured product as used in construction.

**TSCA Chemical Inventory:** All ingredients are on the TSCA inventory as applicable.

**WHMIS – Canada- wide Systems:** No ingredient is regulated.

**Transportation:** DOT Hazard Classification: Not Regulated

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**SECTION X - OTHER INFORMATION**

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The information and recommendations contained herein are based upon the data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful health effects, which may be caused by misuse of our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

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