

# MATERIAL SAFETY DATA SHEET

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## SECTION I. PRODUCT IDENTIFICATION AND USE

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**Product Name:** Paco Super Fired Block  
**Brand Code:** 0068  
**NFPA/WHMIS Rating:** 2-0-0  
**Product Use:** Refractory Fired Shape

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## SECTION II. HAZARDOUS INGREDIENTS

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<u>Hazardous Ingredients</u>	<u>%</u>	<u>CAS No.</u>	<u>TLV TWA (mg/m<sup>3</sup>) *</u>	<u>LD<sub>50</sub></u>	<u>LC<sub>50</sub></u>
Crystalline Silica (Total):	28-38	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Above Includes; Cristobalite		14464-46-1	0.05	Not Available	Not Available
Tridymite		15468-32-3	0.05	Not Available	Not Available
Quartz		14808-60-7	0.1	Not Available	Not Available

\* The product is a fired article, thus TLV-TWA is not applicable until the article is cut with a dry saw, crushed, or subjected to tear-out. Source of TLV-TWA: American Conference of Governmental Industrial Hygienists (ACGIH); TLV-TWA for Crystalline Silica are for the respirable fraction of particulate matter.

SARA Title III Section 313 Toxic Chemicals: None

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## SECTION III. PHYSICAL DATA

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<b>Appearance and Odor:</b>	Solid Block, Buff Color, No Odor		
<b>Physical State:</b>	Solid	<b>Percent Volatile by Volume:</b>	0
<b>Odor Threshold:</b>	Not Available	<b>Boiling Point (°C):</b>	Not Applicable
<b>Specific Gravity (g/cc):</b>	2.2	<b>Freezing Point (°C):</b>	Not Applicable
<b>pH (10% Solids):</b>	Not Applicable	<b>Vapor Density (Air=1):</b>	Not Applicable
<b>Solubility in Water:</b>	None	<b>Vapor Pressure (mmHg):</b>	Not Applicable
<b>Coefficient of Oil/Water Dist:</b>	Not Available	<b>Evaporation Rate:</b>	Not Applicable

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## SECTION IV. FIRE AND EXPLOSION HAZARD DATA

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<b>Flammability:</b>	Product is non-flammable and will not support combustion.		
<b>Means of Extinction:</b>	Not Applicable	<b>Autoignition Temperature (°C):</b>	Not Applicable
<b>Flashpoint (°C) and Method:</b>	Not Applicable	<b>Hazardous Combustion Products:</b>	Not Applicable
<b>Upper Flammable Limit (o/v):</b>	Not Applicable	<b>Explosion Sensitivity to Impact:</b>	Not Applicable
<b>Lower Flammable Limit (o/v):</b>	Not Applicable	<b>Explosion Sensitivity to Static Discharge:</b>	Not Applicable

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## SECTION V. REACTIVITY DATA

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<b>Stability:</b>	Stable	<b>Hazardous Decomposition Products:</b>	None
<b>Incompatibility:</b>	None	<b>Hazardous Polymerization:</b>	Will Not Occur
<b>Reactivity:</b>	None		

Product Name: Paco Super Fired Block

Date: 11/11/02

THE INFORMATION IN SECTIONS VI AND VIII IS APPLICABLE DURING DRY SAWING, CRUSHING, AND/OR TEAR-OUT OF THE PRODUCT

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**SECTION VI. HEALTH HAZARD/TOXICOLOGICAL DATA**

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**Route of Entry:**                      **Skin Contact:** No                      **Skin Absorption:** No                      **Eye Contact:** Yes  
**Inhalation:** Yes                      **Ingestion:** Yes

**Effects of Acute Exposure to Product:**

**Skin:** None Known.  
**Eye:** May irritate and/or abrade eyes.  
**Inhalation:** Congestion of the throat, nasal passages, and upper respiratory system.  
**Ingestion:** Unknown.

**Effects of Chronic Exposure to Product:**

**Skin:** None Known  
**Eye:** None Known  
**Inhalation:** According to the International Agency for Research on Cancer (IARC), there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources.  
**Ingestion:** Unknown.

**Exposure Limits:** See Section II                      **Reproductive Toxicity:** None Known  
**Irritancy of Product:** Moderate irritation may occur.                      **Mutagenicity:** None Known  
**Sensitization to the Product:** None Known                      **Synergistic Materials:** None Known  
**Teratogenicity:** None Known  
**Carcinogenicity:** Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1 IARC).  
**California Proposition 65:** This product contains crystalline silica, a chemical known to the state of California to cause cancer.

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**SECTION VII. PREVENTIVE MEASURES, AND SPILL OR LEAK PROCEDURES**

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**Personal Protective Equipment:**

**Gloves:** Protective Gloves                      **Clothing:** Long Sleeved and Legged  
**Footwear:** Safety Shoes                      **Eye:** Goggles or Safety Glasses with Side Shields  
**Respirator:** NIOSH Approved Respirator                      **Other:** None Known

**Engineering Controls:** General mechanical ventilation is normally adequate.  
**Leak and Spill Procedure:** Not applicable.  
**Waste Disposal:** The tear out and disposal of this product may generate dust. During tear out, observe the exposure limits outlined in Section II, and the personal protection precautions in Section VII. Dispose in accordance with Federal, State and Local regulations.  
**Handling Procedures:** Follow good housekeeping and hygienic practices.  
**Storage Requirements:** None.  
**Special Shipping Information:** Not regulated by USA DOT, Canadian TDB Class, and PIN.

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**SECTION VIII. FIRST AID MEASURES**

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**Skin:** Not applicable.  
**Eyes:** Flush with clean water for 15 minutes. Seek medical attention.  
**Inhalation:** Remove to dust free area and fresh air. If continuing respiratory distress, seek medical attention.  
**Ingestion:** Seek medical attention immediately. Unless instructed by physician, do not induce vomiting. Product is non-toxic as supplied, but its abrasive nature may damage internal organs.

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**SECTION IX. OTHER INFORMATION**

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This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein; however, Resco Products, Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.