

Kiln Wash

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**MATERIALS SAFETY DATA SHEET\* #85680**

\* To comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

**SECTION I. IDENTITY OF PRODUCT AND PRODUCER**

TRADE NAME: Seattle Pottery Supply Inc./ Northwest Ceramic Supply  
CHEMICAL NAME: Kiln Wash  
PRODUCERS NAME: Seattle Pottery Supply, Inc  
ADDRESS: 35 S. Hanford  
                    Seattle WA 98134  
TELEPHONE NUMBER: (206) 587-0570  
(for emergency and information)  
DATE PREPARED: 1-10-92  
PREPARED BY : James Lunz  
PRODUCT AS MARKED ON BAG: Kiln Wash

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**SECTION II. HAZARDOUS INGREDIENTS**

Free Silica (Quartz) 50% CAS. NO. 14808-60-7

\* Clays reported on this Company's Material Safety Data Sheet, Form SDS 8511, may contain crystalline silica, as quartz up to 50% by dry weight depending on product type. Much of this is not fine enough to be normally respirable.

See Section VI for OSHA Permissible Exposure Limits and ACGHI TLV's for this specific Ball Clay.

**SECTION III. PHYSICAL DATA**

FUSION RANGE - 1560 - 1785° C.                      SPECIFIC GRAVITY (H<sub>2</sub>O = 1) 2.40 - 2.65  
SOLUBILITY IN WATER - Negligible                      PERCENT VOLATILE - Below 100° C. None  
VAPOR PRESSURE (mm Hg.) - Not Applicable  
ODOR AND APPEARANCE - Earthy Odor When Wet, Raw Color LIGHT GRAY

**SECTION IV. FIRE AND EXPLOSION HAZARD DATA - Non-flammable and Non-hazardous**

**SECTION V. REACTIVITY DATA**

STABILITY -Kiln Wash is stable under ordinary conditions. When exposed to high temperature, free quartz can change crystal structure to form tridymite (above 870° C.) or cristobalite (above 1470° C.) which have greater health hazards than quartz.

INCOMPATIBILITY (Materials to Avoid) - None  
HAZARDOUS POLYMERIZATION - Will not Occur

Data, information, and recommendations recorded herein are believed to be accurate. Seattle Pottery Supply, Inc makes no warranty, either expressed or implied, with respect thereto and disclaims all liability from reliance thereon.

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SECTION VI. HEALTH HAZARD DATA

OSHA Permissible Exposure Limit (PEL):	Total Dust	1.02	mg/m <sup>3</sup>
	Respirable Dust*	0.34	mg/m <sup>3</sup>
ACGIH TLV:	Respirable Dust*	0.34	mg/m <sup>3</sup>

\*Based on free silica content.

ROUTE OF ENTRY:            Inhalation?            Skin?            Ingestion?

   Yes                            No                            No

EFFECTS OF OVEREXPOSURE:

- SHORT TERM - Probably no effect other than as a nuisance dust.
- LONG TERM - Long-term exposure to dust and free silica in concentrations higher than recommended PEL or TLV may cause silicosis.

FIRST AID: Eyes - Flush thoroughly with water. See a physician if irritation persists.

SECTION VII. SPILL, LEAK, AND DISPOSAL INFORMATION

ACTION TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Clean up and collect, minimizing excessive dust\*.

WASTE DISPOSAL METHOD - Any approved solid waste disposal including burial\*.

Do not exceed recommended PEL or TLV - See Section VI

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH-approved dust respirators. If spraying coatings use NIOSH-approved dust/mist respirators.

VENTILATION: Local exhaust or other ventilation that will reduce dust concentrations below recommended Permissible Exposure Limits is recommended. Use adequate ventilation.

OTHER PROTECTIVE EQUIPMENT: Not required.

SECTION IX. SPECIAL PRECAUTIONS

Minimum ventilation air required: Do not breathe dust. TLV - TWA should not exceed TL