

MATERIALS SAFETY DATA SHEET*

#85501-85510

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* 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: Clay

CAS NUMBER: 1332-58-7

PRODUCERS NAME AND ADDRESS: Seattle Pottery Supply, Inc.
35 S Hanford

Seattle, Washington 98134

TELEPHONE NUMBER: (206) 587-0570
(for emergency and information)

DATE PREPARED: 5-10-86
PREPARED BY: James Lunz

PRODUCT AS MARKED ON BAG:

SP 500, SP520, SP525, SP608, SP609, SP609G, SP610, SP610G, SP611,
SP611G, SP608G, SP620, SP625, SP631, SP632, SP633, SP634, SP650, SP652,
SP660, SP712, SP720, SP721, SP722, SP723, SP725, SP732, SP735, SP736,
SP740, SP745, SP747, SP750, SP757, SP760, SP765, SP770, SP775, SP800,
SP805, SP815, SP825, SP840, SP850, SP875, SP605, SP615, SP612

85501-85508, 85509

SECTION II. HAZARDOUS INGREDIENTS

Free Silica (Quartz) 5 - 30% 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 30% 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

SECTION III. PHYSICAL DATA

FUSION RANGE - 1560 - 1785° C. SPECIFIC GRAVITY (H₂O = 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 to RED

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

SECTION V. REACTIVITY DATA

STABILITY - Clay 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.

SECTION VI HEALTH HAZARD DATA

MOIST CLAYS - There are no known health hazards to moist clays.

DRY CLAYS

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

*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 to less than Permissible Exposure Limits is recommended. Use adequate ventilation if spraying coatings.

EYE PROTECTION: Wear tight fitting goggles if high dust concentrations exist.

OTHER PROTECTIVE EQUIPMENT: Not required.

SECTION IX. SPECIAL PRECAUTIONS

Minimize dust generation and exposure. Do not breath dust. TLV - TWA should not exceed TL

Manufacturers who crush and grind ceramic bodies fired to high temperatures should recognize possible presence of tridymite and/or cristobalite which have greater health hazards than quartz.