

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER MINNESOTA CLAY CO. USA
8001 GRAND AVE SO
BLOOMINGTON, MN. 55420
EMERGENCY TELEPHONE (612) 884-9101
CHEMICAL NAME ALUMINA SILICATE
TRADE NAME AND SYNONYMS SG- series glazes Slip Glazes: SG-1, SG-2, SG-3 & SG-4

SECTION II

HAZARDOUS INGREDIENTS

MATERIAL	%	OSHA/PEL 8HR TWA
IN SG-3 only:		
FREER SILICA	UP TO 3%	0.1 mg/cm ³

SPECIAL LABELING INSTRUCTIONS

Minnesota Clay USA is a subscriber to the Art and Craft Material Institute, 100 Boylston St., Boston MA 02116. Our clay and glaze products have been evaluated and certified in accordance with the voluntary chronic hazard labeling standard ASTM D-4236 (American Society for Testing and Materials). This product manufactured by Minnesota Clay USA is identified with the following labels:



MINNESOTA CLAY USA

SG-1, SG-2 & SG-4 Stoneware Glaze

Cone 5-9/Best Color and surface at Cone 5-6

Mixing Instructions: Add slightly less than 1 pound of water per 1 pound of glaze. If application thickness is too heavy add water until desired thickness is achieved.



MINNESOTA CLAY USA

SG-3 Stoneware Glaze

Cone 5-9/Best Color and surface at Cone 5-6

Mixing Instructions: Add slightly less than 1 pound of water per 1 pound of glaze. If application thickness is too heavy add water until desired thickness is achieved.

WARNING: CANCER AGENT BY INHALATION BASED ON EXPERIMENTAL DATA. EXPOSURE MAY CAUSE LUNG DAMAGE. CONTAINS:

RESPIRABLE QUARTZ. Do not spray apply. Mix and handle dry material in locally exhaustng hood or glove box. Use NIOSH-certified mask for dusts or mists. Use

NIOSH-certified mask and a locally exhaustng hood appropriate for the operation. Not for use by children. For further safety information, contact your local poison control center.

LABELING CONFORMS TO ASTM D4236

1-800-CLAY-USA

NET WEIGHT: _____ 1 POUND _____ 5 POUNDS _____ 25 POUNDS

SECTION III

PHYSICAL DATA

BOILING POINT (°):N/A VAPOR DENSITY: N/A

VAPOR PRESSURE:N/A SOLUBILITY IN WATER:N/A

SPECIFIC GRAVITY (H₂O=1):N/A PERCENT VOLATILE BY VOLUME:N/A

EVAPORATION RATE:N/A

APPEARANCE AND ODOR: Grey powder. EARTHY ODOR IF WET.

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:N/A No fire or explosion hazard associated with this glaze series.

SECTION V

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II.

EFFECTS OF OVEREXPOSURE (SG-3): Prolonged over exposure to excessive concentrations of dry, airborne material may cause delayed lung injury (silicosis). Inhalation above the Occupational Exposure Limit may cause irritation of the respiratory passages.

EMERGENCY AND FIRST AID PROCEDURES: If overexposure is suspected move employee to fresh air; if breathing is difficult give oxygen. Call a physician.

SECTION VI

REACTIVITY DATA

STABLE

There are no known conditions to avoid, incompatible materials, hazardous decomposition products, or hazardous polymerization, associated with this product.

SECTION VII

SPILL OR LEAK PROCEDURES

Use dustless methods and place into closable container for disposal. Dispose in accordance with Federal, State and Local regulations.

SECTION VIII

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: OSHA approved mask for dusts.

LOCAL EXHAUST: Suggested for fugitive dust.

OTHER PROTECTIVE EQUIPMENT: Not required.

SECTION IX

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid breathing dust. Wash thoroughly after handling. No food or beverage should be consumed in the work area. No smoking should be allowed in the work area.

OTHER PRECAUTIONS: Vent kilns when firing.

OTHER PROTECTIVE EQUIPMENT: Not required.