

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER MINNESOTA/MIDWEST CLAY CO.
8001 GRAND AVE SO
BLOOMINGTON, MN. 55420
EMERGENCY TELEPHONE (612) 884-9101
CHEMICAL NAME ALUMINA SILICATE
TRADE NAME AND SYNONYMS HG-1 CERAMIC GLAZE

SECTION II

HAZARDOUS INGREDIENTS

MATERIAL	%	OSHA/PEL 8HR TWA
*FREE SILICA	UP TO 25%	0.1 mg/cu.m

PERMITS/AGENCY REGULATIONS	N/A	15mg/cu.m.
MAGNESIUM ALUMINUM SILICATE (EYE IRRITANT)	<1%	10mg/cu.m.
ZIRCONIUM COMPOUNDS	<6	5mg/cu.m.

*Harmful only when prolonged & excessive respiration of dry, airborne materials occurs.

SPECIAL LABELING INSTRUCTIONS

Minnesota/Midwest Clay Company 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/Midwest Clay Company is identified with the following label:



MINNESOTA CLAY USA

HG-1 SOFT WHITE STONWARE GLAZE

CONE 5-9/BEST COLOR AND SURFACE AT CONE 5-6

01/08/02MIXING INSTRUCTIONS: Add slightly less than 1 pound of water per 1 pound of glaze. If application technique is too heavy and water is not absorbed, glaze may be adjusted.

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 exhausting hood or glove box. Use NIOSH-certified mask for dusts or fumes. Use NIOSH-certified mask and locally exhausting hood appropriate for the operation. Not for use by children. For further health information, contact a 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 (f):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: White 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.

SECTION V

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II.

EFFECTS OF OVEREXPOSURE: 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. Prolonged or repeated skin contact may result in local contact dermatitis. May cause eye irritation.

EMERGENCY AND FIRST AID PROCEDURES: If overexposure is suspected move employee to fresh air; if breathing is difficult give oxygen. Call a physician. For dust in the eyes; flush immediately with clean water and call a physician. For skin irritation; wash with mild soap and water, call a physician. For ingestion: Get medical attention.

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.

PROTECTIVE GLOVES: Recommended. Avoid skin contact.

EYE PROTECTION: Wear appropriate goggles, and eye wash stations must be present in work area.

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. stations must be present in work area

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 work area. Vent kilns when firing.