

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 HM-5 CERAMIC GLAZE

SECTION II

HAZARDOUS INGREDIENTS

MATERIAL	%	OSHA/PEL 8HR TWA
*FREE SILICA	UP TO 25%	0.1 mg/cu m
Barium Carbonate	less than 10%	.5mg/cu.m.
<small>FACTORS WITH WHICH OTHER INGREDIENTS COMBINE</small>	N/A	15mg/cu.m.
MAGNESIUM ALUMINUM SILICATE (EYE IRRITANT)	<1%	10mg/cu.m.

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

SPECIAL LABELING INSTRUCTIONS

Minnesota 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.

HM-5 STRAW TAN STONEWARE GLAZE

CONT 5-9/REST SURFACE AT CONT 5-6

CONTAINER INFORMATION: Add 1/2 pint of water to 1 pound of glaze. If you are using this glaze for decorative purposes, add 1/2 pint of water to 1/2 pint of glaze. **WARNING: MAY BE HARMFUL IF SWALLOWED. EYE IRRITANT. EXPOSURE MAY CAUSE LUNG DAMAGE. CANCER AGENT BY INHALATION BASED ON EXPERIMENTAL DATA. CONTAINS SOLUBLE BARIUM, ALUMINUM AND IRON IRRITANTS, AND RESPIRABLE QUARTZ.** When using do not get glaze in skin. Wash skin immediately after use. Keep away from eyes. Mix and handle dry material in freshly opening hood or glove box. Use NIOSH-certified mask for dust or mists. **KEEP OUT OF REACH OF CHILDREN.** FIRST AID: If swallowed, rinse mouth and drink two glasses of water or milk. Get prompt medical attention. If eye contact occurs, rinse immediately with water. Remove contact lenses, then flush with tap water for 15 minutes. If symptoms persist, see physician. For further health information, contact a local poison control center. LABELING CONFORMS TO ASTM D-4236.

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.

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.