

JUN 29 2009

8/26/2024: File reviewed, more current MSDS/SDS not available. CAS

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER MINNESOTA/MIDWEST CLAY CO.
 8001 GRAND AVE SD
 BLOOMINGTON, MN. 55420

EMERGENCY TELEPHONE (612) 884-9101

CHEMICAL NAME ALUMINA SILICATE

TRADE NAME AND SYNONYMS I-1 CERAMIC GLAZE

SECTION II

HAZARDOUS INGREDIENTS

MATERIAL	%	OSHA/PEL 8HR TWA
*FREE SILICA	UP TO 25%	0.1 mg/cu.m
PARTICULATES NOT OTHER- WISE CLASSIFIED	N/A	15mg/cu.m.
MAGNESIUM ALUMINUM SILICATE (EYE IRRITANT)	<1%	10mg/cu.m.

*Harmful only if inhaled or excessive respiration of dry, dust.

SPECIAL LABELING INSTRUCTIONS

Minnesota/Midwest Clay Company is a subscriber to the Art and Craft Material Institute, 715 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). Products manufactured by Minnesota/Midwest Clay Company are identified with the following labels:

Products bearing the AP Approved Product or HL Health Label (Non-Toxic) seal of The Art and Craft Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM 4236. In addition, there is no physical hazard as defined within 29 CFR part 1910.1200(c).



Products bearing the HL Health Label (Cautions Required) seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary labeling standard ASTM D-4236.



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: GREY OR BLACK COLOR. 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 irritations: wash with mild soap and water, call a physician. If conscious, give plenty of water to drink. Call a physician for 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. Vent kilns when firing.



MINNESOTA / MIDWEST CLAY

8001 GRAND AVE SD. • BLOOMINGTON, MN • 55420 / 612-884-9101

ADDITIONAL LABEL INFORMATION

~~WARNING: MAY BE HARMFUL IF SWALLOWED. EXPOSURE MAY CAUSE IRRITATION. EXPOSURE MAY CAUSE LUNG DAMAGE. CANCER AGENT BY INHALATION BASED ON TESTS WITH LABORATORY ANIMALS.~~

~~CONTAINS: SOLUBLE COPPER~~

~~CRYSTALLINE SILICA~~

~~USE AS A PRO (EYE IRRITANT)~~

Avoid ingestion. Wash hands immediately after use. Keep away from eyes. Mix and handle dry material in locally exhausting hood or glove box. Use NIOSH-certified mask for dusts.

KEEP OUT OF REACH OF CHILDREN

FIRST AID: If eye contact occurs, rinse immediately with water. Remove contact lenses then flush with tap water for 15 minutes. If symptoms persist, see a physician. For further health information, contact a local poison control center.

This label is for 9 10 (powder).

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 [REDACTED]

SECTION II

HAZARDOUS INGREDIENTS

MATERIAL	%	OSHA/PEL 8HR TWA
*FREE SILICA	UP TO 25%	0.1 mg/cu.m
PARTICULATES NOT OTHERWISE CLASSIFIED		
	N/A	15mg/cu.m.
MAGNESIUM ALUMINUM SILICATE (RYE IRRITANT)	<1%	10mg/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, 715 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). Products manufactured by Minnesota/Midwest Clay Company are identified with the following labels:

"Products bearing the IP Approved Product or HL Health Label (Non-Toxic) seal of the Art and Craft Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM 4236. In addition, there is no physical hazard as defined within 29 CFR part 1910.1200(c)."



Delivered to 12/10/04

"Products bearing the HL Health Label (Caution Required) seal of the Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary labeling standard ASTM D-4236."



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: GREY OR BLACK COLOR. EARTHY ODOR IF

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: give plenty of water to drink, 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: ~~Wash thoroughly after handling. No food or beverage should be consumed in the work area and smoking should be allowed in the work area.~~

~~Wash thoroughly after handling. No food or beverage should be consumed in the work area and smoking should be allowed in the work area.~~

OTHER PRECAUTIONS: Vent kilns when firing.

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 [REDACTED]

SECTION II

HAZARDOUS INGREDIENTS

MATERIAL	%	OSHA/PEL SHE THA
*FREE SILICA	UP TO 23%	0.1 mg/cu.m.

PARTICULATES NOT OTHERWISE CLASSIFIED

N/A	15mg/cu.m.
MAGNESIUM ALUMINUM SILICATE (EYE IRRITANT)	10mg/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 Materials Institute, 715 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). Products manufactured by Minnesota/Midwest Clay Company are identified with the following labels:

"Products bearing the **AP Approved Product** or **HL Health Label (Non-Toxic)** seal of The Art and Craft Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM 4236. In addition, there is no physical hazard as defined within 29 CFR part 1910.1200(c)."



"Products bearing the **HL Health Label (Caution Required)** seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary labeling standard ASTM D-4236."



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: GREY OR BLACK COLOR, EARTHY ODOR IF NET.

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 irritations; wash with mild soap and water, call a physician. For ~~_____~~ plenty of water to drink, 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 STORAGE: Avoid breathing dust. Wash thoroughly after handling. ~~_____~~ Food or ~~_____~~ should be consumed in the work area. No smoking should be allowed in the work area.

OTHER PRECAUTIONS: Vent kilns when firing.

ILLINOIS / MIDWEST / GRAY
1001 GRAND AVE. SO. • BLOOMINGTON, ILL. • 53420 / 612-824-0101

ADDITIONAL LABEL INFORMATION

**WARNING: EYE IRRITANT. EXPOSURE MAY CAUSE LUNG DAMAGE.
CANCER AGENT BY INHALATION. KEEP OUT OF REACH OF CHILDREN.
ANIMALS.**

**CONTAINS: VEEGUM PRO (EYE IRRITANT)
CRYSTALLINE SILICA**

Keep away from eyes. Mix and handle dry material in locally exhausting hood or glove box. Use NIOSH-certified mask for dusts.

KEEP OUT OF REACH OF CHILDREN.

FIRST AID: If eye contact occurs, rinse immediately with water. Remove contact lenses then flush with tap water for 15 minutes. If symptoms persist, see a physician. For further health information, contact a local poison control center.

This label is for the following dry glazes: G2, G3, G4, G5, G6, G7, G9, G11, G12, G15, G16, G17, HG2, HG3, HG4, HG7, HG8, HG12, HG13, HG16, HM1, HM2, HM6, HMM1, HMM3, HMM7, HMM11, HHG3, HHG4, HHG6.

For the following dry glazes use the same label except omit the CT warning: "EXPOSURE MAY CAUSE LUNG DAMAGE". Those formulas are: T1, T2, T3, T4, T6, T8, HG5, HG6.