# 4-19-2021: File reviewed, more current MSDS/SDS not available. JMC

#### MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER

MINNESUTA/MIDWEST CLAY CO.

8001 GRAND AVE SD

BLOOMINGTON, MN. 55420

EMERGENCY TELEPHONE

(612) 884-9101

CHEMICAL NAME

ALUMINA SILICATE

TRADE NAME AND SYNONYMS IT CERAMIC CHEZE

SECTION II

#### HAZARDOUS INGREDIENTS

MATERIAL OSHA/PEL BHR TWA \*FREE SILICA UP TO 25% 0.1 mg/cu.a

PARTICULATES NOT OTHER-WISE CLASSIFIED

N/A

15mg/cu.m.

MAGNESIUM ALUMINUM

SILICATE

(EYE IRRITANT)

<12

10mg/cu.m.

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#### 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 Minnespta/Midwest Clay Company are identified with the following labels: Products leaving the AP Approved Product of HL Health Label (Non-Innic) seal of the Art and Craft Naterials Costitute, lac, are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be losic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by the Institute's Toxiculopical Advisory Board. These products are certified by the Institute to be Labeled in accordance wilh the valuntary chronic hazard labeling standard ASIM 4236. In addition, there is no physical hazard as delibed within 29 CFR part 1918.1200(c).\*



\*Products bearing the ML Health Lakel (Cantions Required) seal of the Art and Craft Halerials Institute, los, are certified to be properly labeled in a program of topicological evaluation by a medical expert. This program is reviewed by the institute's locacological Advisory loard. Those products are certified by the institute to be labeled in accordance with the voluntary labeling standard ASTA D-4236."



SECTION 111

#### PHYSICAL DATA

BOILING POINT (f):N/A VAPOR DENSITY: N/A VAPOR PRESSURE:N/A SOLUBILITY IN WATER:N/A SPECIFIC GRAVITY (N20=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 bazard associated with this plaze.

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.

EMERBENCY 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 with mild soap and water, call a physician. However, if conscious, give

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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 kilms when firing.

# MINNESOTA / MIDWEST CLAY

8001 GRAND AVE SQ. • BLOCKINGTON, MN • 55420 / 612-884-9101

#### ADDITIONAL LABEL INFORMATION

WARNING: MAY BE HARMEN IT SHOLL UNED THE CAUSE THE PARTY OF THE CAUSE THE CAUSE AND LABORATED AND LABORATED ANIMALS.

CONTAINS: CRIEF

THU TETE INRITANT)

away from eyes. Fix and handle dry material in locally exhausting bood or plove how. Use NIOSH-certified mask for dusts.

KEEP OUT OF REACH OF CHILDREN
FIRST AID: If eye contact occurs, rinse immediately with
FIRST AID: If eye contact lenses then flush with tap water for
water. Remove contact lenses then flush with tap water for
is minutes. If symptoms persist, see a physicianfor further health information, contact a local poison
control center.

This label is for 8 10 (powdwt).

# MATERIAL SAFRTY DATA SHEET

SECTION I

MANUFACTURER

MINNESOTA/MIDWEST CLAY CO.

8001 GRAND AVE SQ

BLOOMINGTON, MN. 55420

EMERGENCY TELEPHONE

CHEMICAL NAME

(612) 884-9101 ALUMINA BILICATE

TRADE NAME AND SYNONYMS

SECTION 11

# HAZARDOUS INGREDIENTS

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

PARTICULATES NOT OTHER-WISE 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 LABBLING INSTRUCTIONS

Minnesota/Midwest Clay Company is a subscriber to the Art and Craft Material Institute, 715 Boylston St., Boaton 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:

"Troducts bearing the if Approved Product or M. Realth takel (Mon-Tests) seal of the Art and Craft Materials Institute, lat. are certified in a program of testcological evaluation by a medical expert to contain an materials in selficieal quantities to be tests or lajoriess to homes or to cause acute or chronic health prolifes. This program is reviewed by the Institute's festicological Ministers Board. These products are certified by the Institute to be labeled in accordance with the releasant chronic hearth should alberting slundard ASIM 4236. In addition, there is no physical harma as defined within 27 CFR part 1910.1200(c)."



"Products bearing the ML Mealth Label (Caulious Required) seed of the Art and Craft Materials Institute, SAC, are certified to be properly tabeled to a program of toxicological evaluation by a medical capert. This program is reviewed by the Institute's Tenicological Advisory Journal. These products are certified by the Institute to be Inheled in accordance with the voluntary tabeling standard ASTM 0-4236."



SECTION III

# PHYSICAL DATA

BUILING POINT (f):N/A VAPOR DENSITY: N/A
VAPOR PRESSURE:N/A SOLUBILITY IN WATER:N/A
SPECIFIC GRAVITY (N2O=1):N/A PERCENT VOLATILE BY VOLUME:N/A
EVAPORATION RATE:N/A
APPEARANCE AND ODOR: GREY OR BLACK COLOR. BARTHY 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 CVEREXPOSURE: Prolonged over exposure to
excessive concentrations of dry, airborne material may cause
delayed lung injury (silicosis). Inhalation above the

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 the planty or water to diship, get addition to the planty or water to diship, get addition to the planty or water to diship, get addition to the planty or water to diship, get addition to the planty or water to diship, get addition to the planty or water to diship, get addition to the planty of the p

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.

KYK PROTECTION: Wear appropriate goggles, and eye wash

stations must be present in work area.

OTHER PROTECTIVE EQUIPMENT: Not required.

SECTION 1X

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

beverage account a communication to the communication of the communicati

should be allowed in the work area.

OTHER PRECAUTIONS: Vent kilns when firing.

#### MATERIAL SAFELY DATA SHEET

SECTION (

MANUFACTURER

MINNEGOTA/MIDWEST CLAY CO.

SOCI GROND AVE SO

BEDDATINGTON, MM. 55420

EFFERGEISCY TELEPHONE

CHEMICAL MANE

- (412) - 884~9±61. ALUMINA SILLIGIE

TRADE NAME ALO SYMPHYMA (C

SECTION ) I

#### HAZARDOUS INGREDIENTS

\*FUTE SILICA

7 DSHAZPEL SHR TUA UP 10 25% 0.1 mg/go.a

0.1 mg/gd.a

PARTICULATES NOT OTNER-WISE CLASSIFIED

M/A

15mg/cu,m.

MAGNESIUM ALUMINUM SILICATE

(EYE IRRITANT) < 55

10mg/cu.m.

\*Harmful only when protonged & excessive respiration of dry, airborne materials occurs,

# SPECIAL LABELING INSTRUCTIONS

Minnesula/Midwest Clay Company is a subscriber to the Art and Craft Material Institute, 715 Boylston St., Dosto, MA 92116. Our clay and glaze products have been evaluated and certified in accordance with the voluntary chronic bazard labeling standard ASTM D-1236 (American Society for Testing and Materials). Freducts manufactured by Minnesota/Andwest Clay Company are identified with the following labels:

Products bearing the W approved Product or IL Bealth Label (Non-Parity soil of the art and Craft Meterials Costillate, Inc. are certified in a program of foulculogical evaluation by a medical expect to contain no naturals in sufficient quantities to be faste or injurious to bunds or to cause acute or chronic health problems. This program is revised by the Bestifule's fuzicological Mulsury Board. These products are certified by the institute to be labeled in accordance nith the voluntary chronic hazard labeling standard ASIN 1236. In addition, there is no physical hazard as defined al then 27 CFA part 1930, 1200(c)."



'Products bearing the Mt. Memilbilabel (Caullous Required) seal of the Art and Craft Materials Institute, Inc. are certified to be properly tabeled in a program of fortcological evaluation by a medical expert. This program is reviewed by the tautifule's factuatogical Advisory Board. These products are certified by the institute to be labeled in exceedance with the voluntary tabeling standard ASTA p-4234."



BECTION III

#### PHYSICAL DATA

DOILING POTHY (f):N/A VAPOR DEWSITY: H/A YAPOR PREDSURFINIA SOLUBILLIY IN WATER: N/A SPECIFIC GRAVITY (M20=1):N/A PERCENT VOLATILE BY VOLUME:N/A EVAPORATION RATE: N/A

APPEARANCE AND ODUR: OREY OR BLACK COLOR. EARTHY LOOK IF

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

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

BECTION Y

**HEALTH HAZARD DATA** 

THRESHOLD LIMIT VALUE: See Section II.

EFFECTS OF BVEREXPOSURE: 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 plenty of water to delay 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 LEAN 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: Near appropriate goggles, and eye wash stations must be present in work area.
OTHER PROTECTIVE EQUIPMENT: Not required.

SECTION IX

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAXEN IN HANDLING AND STORING Avoid breathing dust. We may supply the beautiful be consumed in the work area. No smoking

should be allowed in the work area.
OTHER PRECAUTIONS: Yent kilns when firing.

# TIMES VIA / IN LINES TO LAY

THEN? BLOW MYE SO. . BLDONINGTON, MRI . 55420 / 612-884-910?

ADDITIONAL LABEL INFORMATION

WARNING: EXE IDELIANT FYPRISHE MAY CAUSE LUNG DAMAGE

CONTAINS: VEEGUM PRO (EXE IRRITANT)

Keep away from eyes. Hix 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: 02, 63, 64, 65, 66, 67, 69, 611, 612, 615, 614, 617, H62, H63, H64, H67, H69, H612, H613, H616, HM1, HM2, HM6, HHM1, HHM3, HHM7, HHM11, 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: 11, 72, 73, 74, 76, 78, H65, H66,