

MATERIAL SAFETY DATA SHEET

8-224

PRODUCT NAME: AMACO Bufffiring Clay  
 PRODUCT CODE: 45K & D

~~872~~ 872

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: AMERICAN ART & CLAY CO., INC.  
 ADDRESS: 4717 WEST SIXTEENTH STREET, INDIANAPOLIS, INDIANA 46222  
 EMERGENCY PHONE: (317)244-6871 INFORMATION PHONE: (317)244-6871  
 DATE REVISED : 08-06-91 NAME OF PREPARER : Laura Jenkins

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

| HAZARDOUS COMPONENTS               | CAS NUMBER | OCCUPATIONAL EXPOSURE LIMITS |           |            | VAPOR PRESSURE<br>mm Hg @ TEMP |
|------------------------------------|------------|------------------------------|-----------|------------|--------------------------------|
|                                    |            | OSHA PEL                     | ACGIH TLV | OTHER      |                                |
| HYDRATED ALUMINUM SILICATE         | 14808-60-7 |                              |           |            | N/A                            |
| RAW FIRECLAY                       | 14808-60-7 |                              | 0.1mg/m3  | ? dust     | N/A                            |
| SODIUM POTASSIUM ALUMINUM SILICATE | 68476-25-5 |                              | 0.1mg/m3  | ? Silicate | N/A                            |

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. \*\*\*  
 No Hazardous ingredients. Non-toxic. Carries the AP Seal. Labeling conforms to ASTM D-4235. Exposure may cause damage to the lungs. Cancer agent by inhalation based on laboratory tests. Contains crystalline silica. See Section VI.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A SPECIFIC GRAVITY (H2O=1): LESS THAN 2  
 VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER  
 COATING V.C.C. : N/A  
 SOLUBILITY IN WATER:  
 APPEARANCE AND ODOR: Moist or Dry

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A METHOD USED:  
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: NO FIRE HAZARD

SPECIAL FIREFIGHTING PROCEDURES  
 No fire hazard.

UNUSUAL FIRE AND EXPLOSION HAZARDS  
 None.

## \*\*\*\*\* SECTION V - REACTIVITY DATA \*\*\*\*\*

STABILITY: STABLE  
CONDITIONS TO AVOID  
None.

INCOMPATIBILITY (MATERIALS TO AVOID)  
None.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS  
None.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## \*\*\*\*\* SECTION VI - HEALTH HAZARD DATA \*\*\*\*\*

## INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause damage to the lungs by inhalation of dust. Cancer agent by inhalation based on laboratory test. In moist form non hazardous.

## SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Rinse eyes thoroughly with tap water for 15 minutes. See physician.

## SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

None.

## INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

None. Non-toxic. Carries the AP Seal. Labeling conforms to ASTM D-4236. TLV has not been established for the whole product.

## HEALTH HAZARDS (ACUTE AND CHRONIC)

May cause damage to the lungs by inhalation of dust. Cancer agent by inhalation based on laboratory test. In moist form non hazardous.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? YES OSHA REGULATED? NO

See page 4 for further information.

## MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Unknown.

## EMERGENCY AND FIRST AID PROCEDURES

For further information contact a poison control center.

## \*\*\*\*\* SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE \*\*\*\*\*

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Uncontaminated material may be salvaged and used. If contaminated, dispose.

## WASTE DISPOSAL METHOD

Normal disposal for dry powders and solids.

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep bags of moist clay sealed or clay will dry out.

## OTHER PRECAUTIONS

None. Do not breathe dust.

## \*\*\*\*\* SECTION VIII - CONTROL MEASURES \*\*\*\*\*

## RESPIRATORY PROTECTION

Mix and handle dry material in locally exhausting hood or enclosed clay mixer. Use NIOSH certified mask for dust.

## VENTILATION

Mix and handle dry material in locally exhausting hood or enclosed clay mixer. Use NIOSH certified mask for dust.

## PROTECTIVE GLOVES

Not needed.

## EYE PROTECTION

Not needed.

## OTHER PROTECTIVE CLOTHING OR EQUIPMENT

None.

## WORK/HYGIENIC PRACTICES

Refer to AMACO Safety Manual for further information. Manual available upon request.

## \*\*\*\*\* SECTION IX - DISCLAIMER \*\*\*\*\*

## DISCLAIMER

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written acknowledgement.

Continuation for Section VI subsection Carcinogenicity.

The International Agency for Research on Cancer in its publication "IARC Monographs on the Evaluation of the Carcinogenic Risks to Humans - Silica and some Silicates" - Volume 42, 1987, has concluded that there is sufficient evidence for the carcinogenicity of Crystalline Silica in experimental animals, and limited evidence for the carcinogenicity of crystalline silica in humans, and has, therefore, classified crystalline silica in Group 2A of probable carcinogens.

#### DEFINITIONS

**Silicate Glass Frit:** Frits are produced from the chemical reactions which occur during the high temperature smelting of various raw materials to form a molten glass. This glass is rapidly cooled to produce granules or flakes. These may subsequently be milled to produce a powdered frit. Frit (glass) is an essentially insoluble substance.

**Pigment:** A pigment is formed by high temperature calcination. Therefore, it does not necessarily have any of its component oxides or metals.

AMERICAN ART CLAY CO, INC./REWARD CERAMIC COLOR Mrs., Co. is a member of the Art and Craft Material Institute, 715 Boylston St., Boston MA 02116. Our art and craft items are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236 (American Society for Testing and Materials). This product is appropriately labeled with the following seal:



MEETS ANSI  
PERFORMANCE STANDARDS

Products bearing the Certified Products Seal or the AP Approved Product Seal of the Art and Craft Material Institute, Inc. are certified in a program of toxicological evaluation by a medical expert, subject to review by the Institute's Toxicological Advisory Board to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems.

In addition, products bearing the CP Seal meet specific requirements of materials, workmanship, working qualities and color described in the appropriate Product Standard issued by the The Art and Craft Materials Institute, Inc.