

142-0085

MATERIAL SAFETY DATA SHEET

M2 COBALT/SILICA/LEAD-FREE SMUG DK BL

Page: 1

PRODUCT NAME: M2 COBALT/SILICA/LEAD-FREE SMUG DK BL
PRODUCT CODE: LUG SERIES (3)

RECEIVED-PURCHASING
SYRACUSE SCHOOLS
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SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: AMERICAN ART CLAY CO., INC.
ADDRESS : 4717 WEST 16TH STREET
INDIANAPOLIS, IN
46222

EMERGENCY PHONE : 800-374-1600 DATE PRINTED : 11/25/96
INFORMATION PHONE : 800-374-1600 NAME OF PREPARER : L. Jenkins

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	VAPOR PRESSURE CAS NUMBER	WEIGHT mm Hg @ TEMP	PERCENT
COBALT ALUMINATE BLUE SPINEL	1345-16-0	8.23	
COBALT OXIDE - ACGIH TLV .020MG/M3, OSHA PEL .050MG/M3 @ CO			
FLINT	14808-60-7	7.46	
QUARTZ: ACGIH TLV .1MG/M3, OSHA PEL .1MG/M3 @ Respirable Dust			

* Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.
Bears to the HL Seal. Labeling conforms to ASTM D4236. Contains soluble cobalt. See Section VI. Producers are responsible in complying with FDA guidelines for lead release from tableware.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: NA SPECIFIC GRAVITY (H2O=1): Less than 2.
VAPOR DENSITY: Heavier than air. EVAPORATION RATE: NA
COATING V.O.C.: 0.00 lb/gl MATERIAL V.O.C.: 0.00 lb/gl
SOLUBILITY IN WATER: Yes.
APPEARANCE AND ODOR: LUG 21, 22 & 55 - SMUG DK. BLUE, MED. BLUE & BLACK. - UG
PAN Colors: Med. Blue, Black & Dk. Blue.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NA METHOD USED: n/a
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a UPPER: n/a

EXTINGUISHING MEDIA: N/A

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
Will not occur.

HAZARDOUS POLYMERIZATION: Will not occur.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
May cause damage to the lungs by breathing dust or mist. Possible cancer agent based on laboratory tests. Contains crystalline silica. Product not spray application.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Rinse eyes thoroughly with water for 15 minutes. Contact physician.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
None.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Carries the HL seal. If swallowed may cause damage to the heart and lungs. 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 or mist. Cancer agent by inhalation based on laboratory tests. In moist form non-hazardous.

CARCINOGENICITY: NTP CARCINOGEN: No. IARC MONOGRAPHS: Yes. OSHA REGULATED: No.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Unknown.

EMERGENCY AND FIRST AID PROCEDURES
Contact your local poison control for further health information.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Clean with paper towel and wet sponge. Wash with soap and water.

WASTE DISPOSAL METHOD
Dispose of paper towel in trash and rinse sponge. In manufacturing, dispose of in accordance to local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Always keep lid tightly on jar of moist product while not in use or storage.
Uncovered product will dry out.

OTHER PRECAUTIONS

None. IMPORTANT NOTE: Pigments used in this product are formed at high temperature calcination. Frits are produced from the chemical reactions which occur during 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 powdered frit. Frit (glass) is an essentially insoluble substance. Therefore pigments/frits do not necessarily have any of the properties of the components oxides or metals.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

Not needed for normal application (brush or sponge). This product is not for spray application.

VENTILATION

Not needed.

PROTECTIVE GLOVES

Not needed.

EYE PROTECTION

Not needed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Not needed.

WORK/HYGIENIC PRACTICES

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

===== SECTION IX - DISCLAIMER =====

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