

MATERIAL SAFETY DATA SHEET

NPCA 1-76

FOR COATINGS, RESINS AND RELATED MATERIALS

323430

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

323441

DATE OF PREP. 10-25-83

Section I

545

MANUFACTURER'S NAME American Art Clay Co., Inc.

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STREET ADDRESS 4717 W. 16th Street

CITY, STATE, AND ZIP CODE Indianapolis, Indiana, 46222

EMERGENCY TELEPHONE NO. (317) 244-6871

PRODUCT CLASS Solid Ceramic Underglaze

MANUFACTURERS CODE IDENTIFICATION #208, #209,

Underglaze crayons

TRADE NAME

Section II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	TLV		LEL	VAPOR PRESSURE
		PPM	mg/M ³		
Water	Not Applicable				
Different Color Stains					
V. Gum	Nuisance dust				
Bentonite	Nuisance dust				
Clay	Estimated to be greater than 0.68 mg/m ³				
Feldspar	Not established				
Flint	2.72 MPPCF				
5301 Frit (leadless)	Unknown (15mg/m ³ (nuisance dust))				
Kaolin	Nuisance dust				
CMC Gum	Nuisance dust				
Starch	Nuisance dust				

Section III - PHYSICAL DATA

BOILING RANGE Not applicable

VAPOR DENSITY HEAVIER LIGHTER THAN AIR

EVAPORATION RATE FASTER SLOWER THAN ETHER

PERCENT VOLATILE BY VOLUME 0.0

WEIGHT PER GALLON Sp. Gr. 72

Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY

FLASH POINT

LEL

EXTINGUISHING MEDIA

No fire or explosion hazard

UNUSUAL FIRE AND EXPLOSION HAZARDS

None

ADDITIONAL FIRE FIGHTING PROCEDURES

None

Section V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE **Glass and Mineral Mixture TLV Unknown**
EFFECTS OF OVEREXPOSURE **Unknown, but minimal from practical experience**

EMERGENCY AND FIRST AID PROCEDURES

Section VI – REACTIVITY DATA

STABILITY UNSTABLE STABLE CONDITIONS TO AVOID
INCOMPATIBILITY (Materials to avoid)
HAZARDOUS DECOMPOSITION PRODUCTS
HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR
CONDITIONS TO AVOID

Section VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Uncontaminated material may be salvaged and used. If contaminated, dispose.
WASTE DISPOSAL METHOD
Sanitary landfill in accordance with Local, State and Federal Regulation

Section VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION
Use NIOSH Respirator - Approved for Dust

VENTILATION
Adequate for dust

PROTECTIVE GLOVES **As required**
EYE PROTECTION **As required**
OTHER PROTECTIVE EQUIPMENT

Section IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Avoid making dust.

OTHER PRECAUTIONS
Do not inhale - Do not ingest

COLORANTS FOR UNDERGLAZE CRAYONS

#208 Black	158 Stain	100 Micrograms/m ³
#208 Brown	2420 Stain	Not Determined
#208 Blue	C202 Stain	- 10 mg/m ³ for Si ⁰ 2
#208 Green	GS-208	- 0.05 mg/m ³ for soluble Cr.
#208 Rose	7464	2 mg/m ³ As Sn.
#208 Turquoise	N20	5 mg.m ³ as Zr.
#208 White	#6 U.G.	Not determined
#208 Yellow	GS-339	5 mg/m ³ as Zr.
#209 Lilac	AM-459	2 mg/m ³ as Sn.
#209 Blue Green	GS-100	N. E.
#209 Brown	2899 Red Iron Oxide	5.0 mg/m ³ respirable dust
#209 Gray	B203-A	100 micrograms/m ³
#209 Light Brown	LG-3387	{ 0.3 mg/m ³ total respirable and non-respirable dusts
#209 Yellow Green	1574	Not determined
#209 Med. Green	{ 1574 GS-100	Not determined N. E.
#209 Med. Blue	3225	5 mg ZnO/m ³ , 15 mg B ₂ O ₃ /m ³