

**SECTION I PRODUCT INFORMATION**

MANUFACTURER: THE POTTERY SUPPLY HOUSE LTD.  
 ADDRESS: 1120 SPEERS ROAD  
 OAKVILLE, ONTARIO L6L 2X4

SUPPLIER: THE POTTERY SUPPLY HOUSE LTD. TEL: 1 800 465-8544  
 ADDRESS: 1120 SPEERS ROAD 905 849-5540  
 OAKVILLE, ONTARIO L6L 3X4 FAX: 905 849-0001

MATERIAL NAME: **CORAL RED LEADLESS EARTHENWARE GLAZE**  
 MATERIAL USE: CERAMIC DECORATING GLAZE

**SECTION II HAZARDOUS INGREDIENTS**

INGREDIENT	%	C.A.S.#	LD50	LC50
<b>FRIT,*</b> CONTAINING FUSED OXIDES OF:	<b>47.3</b>	<b>65997-18-4</b>	<b>NOT AVAILABLE</b>	<b>NOT AVAILABLE</b>
ALUMINUM	3.0 - 7.0	-----	N.A.	N.A.
CALCIUM	3.0 - 7.0	-----	N.A.	N.A.
SILICON (AMORPHOUS)	10.0 - 30.0	7631-86-9	N.A.	N.A.
BORON	5.0 - 10.0	-----	N/A	N/A
<b>CORAL RED STAIN*</b> CONTAINING OXIDES OF:	<b>4.2</b>	<b>68997-18-4 &amp; 68412-79-3</b>	<b>N.A.</b>	<b>N.A.</b>
SILICON	0.5 - 1.5	-----	N.A.	N.A.
ZIRCONIUM	1.0 - 5.0	-----	N.A.	N.A.
CADMIUM	0.1 - 1.0	-----	N.A.	N.A.

\*A FUSED SILICATE COMPOUND CONTAINING REPORTABLE OXIDES. FORMED BY HIGH TEMPERATURE CALCINATION, IT MAY NOT EXHIBIT ANY OF THE PROPERTIES OF THE METAL COMPOUNDS LISTED.

**SECTION III PHYSICAL DATA**

PHYSICAL STATE: LIQUID/SOLID SUSPENSION.  
 ODOUR / APPEARANCE: OPAQUE, PINK FLUID WITH MILD ODOUR.  
 ODOUR THRESHOLD: NOT AVAILABLE  
 SPECIFIC GRAVITY: APPROXIMATELY 1.60  
 VAPOUR PRESSURE: NOT AVAILABLE  
 VAPOUR DENSITY: NOT AVAILABLE  
 EVAPORATION RATE: NOT AVAILABLE  
 BOILING POINT: NOT AVAILABLE  
 FREEZING POINT: APPROXIMATELY 0° C (WATER)  
 PH: NOT AVAILABLE  
 COEFF. WATER/OIL  
 DISTRIBUTION: NOT AVAILABLE

**SECTION IV FIRE OR EXPLOSION HAZARD**

CONDITIONS OF FLAMMABILITY: NOT FLAMMABLE  
 MEANS OF EXTINCTION: NOT APPLICABLE  
 FLASHPOINT, METHOD OF DETERMINATION: NOT APPLICABLE  
 UPPER FLAMMABLE LIMIT: NOT APPLICABLE  
 LOWER FLAMMABLE LIMIT: NOT APPLICABLE  
 AUTO-IGNITION TEMPERATURE: NOT APPLICABLE  
 HAZARDOUS COMBUSTION PRODUCTS: TOXIC METAL FUMES MAY BE EVOLVED IN A FIRE. VERY SMALL QUANTITIES (<1%, TOTAL) OF CARBON DIOXIDE, CARBON MONOXIDE, HYDROCHLORIC ACID, FORMALDEHYDE, AND NO<sub>x</sub>/SO<sub>x</sub> VAPOURS MAY BE LIBERATED IN A FIRE.

EXPLOSION DATA,  
 SENSITIVITY TO MECHANICAL IMPACT: NONE  
 SENSITIVITY TO STATIC DISCHARGE: NONE

**SECTION V REACTIVITY DATA**

CONDITIONS UNDER WHICH PRODUCT IS CHEMICALLY UNSTABLE  
 NAME OF INCOMPATIBLE SUBSTANCES: ACIDIC ACIDS  
 CONDITIONS OF REACTIVITY: NONE KNOWN  
 HAZARDOUS DECOMPOSITION PRODUCTS: TOXIC FUMES MAY BE RELEASED DURING FIRING

## SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:	SKIN CONTACT:	POSSIBLE IRRITANT. REFER TO EFFECTS OF CHRONIC EXPOSURE.
	SKIN ABSORPTION:	UNLIKELY
	EYE CONTACT:	REFER TO EFFECTS OF ACUTE EXPOSURE.
	INHALATION:	REFER TO EFFECTS OF CHRONIC EXPOSURE.
	INGESTION:	THIS PRODUCT IS LOW IN ACUTE TOXICITY.
ORGANS AFFECTED BY CONSTITUENT COMPOUNDS OF FRIT/STAIN:	BORON:	SKIN, EYES.
	ALUMINUM:	NOT AVAILABLE.
	CALCIUM:	RESPIRATORY SYSTEM, SKIN, EYES.
	SILICA:	RESPIRATORY SYSTEM
	ZIRCONIUM:	RESPIRATORY SYSTEM, SKIN.
	CADMIUM:	RESPIRATORY SYSTEM, KIDNEYS, PROSTATE, BLOOD. THE CADMIUM IN THIS PRODUCT IS ENCAPSULATED WITHIN A PROTECTIVE ZIRCON MATRIX.
EFFECTS OF ACUTE EXPOSURE:		CONTACT WITH EYES MAY CAUSE PHYSICAL IRRITATION AND INFLAMMATION.
EFFECTS OF CHRONIC EXPOSURE:		PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING AND REDDENING OF THE SKIN. EXPOSURE THROUGH INHALATION MAY CAUSE RESPIRATORY DIFFICULTIES.
EXPOSURE LIMITS - TIME WEIGHTED AVERAGE EXPOSURE VALUES (TWAEV):	<b>GLAZE FRIT:</b>	<b>NOT ESTABLISHED</b> AS COMPONENT OXIDES: <b>CALCIUM</b> 2.0 mg./m <sup>3</sup> <b>ALUMINUM</b> 10.0 mg./m <sup>3</sup> <b>FUSED SILICON</b> 0.1 mg./m <sup>3</sup> <b>BORON</b> 10.0 mg./m <sup>3</sup>
	<b>CORAL RED STAIN:</b>	<b>NOT ESTABLISHED</b> AS COMPONENT OXIDES: <b>SILICON</b> 0.1 mg./m <sup>3</sup> <b>ZIRCONIUM</b> 5.0 mg./m <sup>3</sup> <b>CADMIUM</b> 0.05 mg./m <sup>3</sup>
IRRITANCY OF PRODUCT:		REFER TO ROUTE OF ENTRY
SENSITIZATION OF PRODUCT:		NO KNOWN EFFECTS
CARCINOGENICITY OF PRODUCT:		CRYSTALLINE SILICA INHALED FROM OCCUPATIONAL SOURCES IS CLASSIFIED (IARC) AS CARCINOGENIC TO HUMANS. LONG TERM EXPOSURE TO CADMIUM COMPOUNDS INCREASES THE RISK OF PROSTATE AND LUNG CANCERS.
TERATOGENICITY OF PRODUCT:		NO KNOWN EFFECTS
MUTAGENICITY OF PRODUCT:		NO KNOWN EFFECTS
SYNERGISTIC MATERIALS:		NONE KNOWN

## SECTION VII PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT TO BE USED:	THIS PRODUCT HAS BEEN SPECIFICALLY FORMULATED FOR BRUSH APPLICATION. USERS WHO APPLY BY SPRAYING ARE ADVISED TO WEAR SAFETY GLASSES AND AN APPROPRIATE RESPIRATOR (REFER TO EXPOSURE LIMITS). USERS WHO APPLY BY DIPPING ARE ADVISED TO WEAR RUBBER GLOVES TO PREVENT SKIN IRRITATION.
ENGINEERING CONTROLS TO BE USED:	NONE FOR BRUSH APPLICATION. THE USE OF VENTILATING EQUIPMENT IS RECOMMENDED FOR SPRAY APPLICATION. THIS PRODUCT CONTAINS CELLULOSE GUM (~1%) AND A PRESERVATIVE (<0.1%). ABOVE 227°C, CARBON MONOXIDE, CARBON DIOXIDE AND SMOKE ARE RELEASED AS THE GUM IS BURNT OFF. HYDROCHLORIC ACID, FORMALDEHYDE, SO <sub>x</sub> AND NO <sub>x</sub> VAPOURS MAY BE LIBERATED WHEN THE PRESERVATIVE IS FIRED OUT. AT HIGH TEMPERATURES, METAL FUMES MAY BE LIBERATED. <b>WHEN FIRING, USE A DOWNDRAFT OR OVERHEAD HOOD-TYPE EXHAUST.</b>
PROCEDURES TO BE FOLLOWED IN CASE OF SPILL:	CLEAN UP WITH SPONGE OR SPATULA. CAUTION: SPILLS ARE SLIPPERY.
WASTE DISPOSAL:	IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL LAWS. DO NOT EMPTY INTO WATER COURSES.
HANDLING PROCEDURES:	AVOID GENERATING MIST OR DUST. MAINTAIN GOOD PERSONAL HYGIENE. DO NOT EAT, DRINK OR SMOKE. WASH AFTER USE.
STORAGE REQUIREMENTS:	DO NOT STORE NEAR FOODSTUFFS.
SPECIAL SHIPPING INFORMATION:	NONE

## SECTION VIII FIRST AID MEASURES

EYE EXPOSURE:	FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.
SKIN EXPOSURE:	WASH THOROUGHLY AND APPLY MOISTURIZING HAND CREAM, AS NEEDED, TO DRIED, REDDENED SKIN.
INGESTION:	GIVE MILK OR WATER. DO NOT INDUCE VOMITING IF PERSON IS UNCONSCIOUS. SEEK MEDICAL ATTENTION.
INHALATION:	REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION AS REQUIRED.

## SECTION IX PREPARATION INFORMATION

MSDS PREPARED BY: JON WALLS  
PREPARATION DATE: FEBRUARY 8, 2007

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