



SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: LEAD FREE STAIN	PRODUCT IDENTIFICATION
PRODUCT USE : CERAMIC STAIN	
SUPPLIER: SINOPIGMENT & ENAMEL CHEMICALS LTD ADD: DANFENG SOUTH RD, WUJIAXIANG INDUSTRIAL PARK, XIANGTAN COUNTY, HUNAN PROV, CHINA TEL: 86-732-7805588 FAX: 7805688	
Distributed by: Laguna Clay Company 14400 Lomas Ave City of Industry, CA 91746 1-800-4Laguna info@lagunaclay.com www.lagunaclay.com	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENTS (SPECIFY SPECIES AND ROUTE)	LC50 OF INGREDIENT (SPECIFY SPECIES)
SiO2	30-80		ILV 15mg/m3 OSHA/TWA	
ZrO2	0-50			
CaO	0-40	1305-78-8		
V2O5	.5-1		.5	
Pr2O3	.5-1			

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE LIQUID	ODOUR AND APPEARANCE ODOURLESS LIQUID			ODOUR THRESHOLD (PPM) N.A.
VAPOUR PRESSURE (mm Hg) N.A.	VAPOUR DENSITY (AIR=1)	EVAPORATION RATE N.A.	BOILING POINT (C) N.A.	FREEZING POINT (C) N.A.
pH 6.5-7	SPECIFIC GRAVITY 1.5-3.5	COEFF. WATER/OIL DIST. N.A.		

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY YES__ NO X FLAMES UNDER WHICH CONDITIONS : THIS PRODUCT DOES NOT SUPPORT COMBUSTION		
MEANS OF EXTINCTION NO SPECIAL MEANS REQUIRED		
FLASHPOINT AND METHOD NONE	UPPER FLAMMABLE LIMIT (% BY VOLUME) N.A.	LOWER FLAMMABLE LIMIT (% BY VOLUME) N.A.
AUTOIGNITION TEMP. (C) N.A.	HAZARDOUS COMBUSTION PRODUCTS NONE	
EXPLOSION DATA N.A.	SENSITIVITY IMPACT N.A.	ACTIVITY TO STATIC DISCHARGE N.A.

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY YES X NO__ IF NO, UNDER WHICH CONDITIONS
INCOMPATIBILITY WITH OTHER SUBSTANCES YES__ NO X IF SO WHICH ONES REACTIVITY
REACTIVITY AND UNDER WHAT CONDITIONS: NO REACTIVITY
HAZARDOUS DECOMPOSITION PRODUCT: MATERIAL IS STABLE, NO POLYMERIZATION BUT TOXIC FUMES MAY BE RELEASED

PRODUCT IDENTIFIER Blue Heron Grass Green 467823			
SECTION 6 - TOXICOLOGICAL PROPERTIES			
ROUTE OF ENTRY SKIN CONTACT SKIN ABSORPTION X EYE CONTACT X INHALATION INGESTION X			
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: CADMIUM, NICKEL, LEAD ARE LISTED AS SUSPECT CARCINOGENS. ABOVE THIS COMPOUND IS LOW IN ACUTE TOXICITY. PROLONGED EXPOSURE OCCUPATIONAL LIMITS MAY CAUSE LUNG DAMAGE.			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: THE DUST MAY CAUSE EYE OR SKIN IRRITATION AND REDDENING. NOT LIKELY TO BE ABSORBED THROUGH THE SKIN.			
EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
SECTION 7 - PREVENTIVE MEASURES			
PERSONAL PROTECTIVE EQUIPMENT: USE FUME HOODS WITH SUFFICIENT EXHAUST TO REMOVE MATERIAL FROM BREATHING ZONE.			
GLOVES (SPECIFY) WORK GLOVES	RESPIRATOR (SPECIFY) APPROVED DUST MASK	EYE (SPECIFY) SAFETY GLASSES	
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY)	OTHER (SPECIFY)	
ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS) VENTILATION SHOULD BE USED WHEN SPRAYING GLAZES.			
LEAK AND SPILL PROCEDURE: SCOOP INTO SUITABLE RECEPTACLE. DO NOT WASH DOWN DRAIN.			
WASTE DISPOSAL: SEND TO APPROVED SITE IN ACCORDANCE WITH REGULATIONS.			
HANDLING PROCEDURES AND EQUIPMENT: NO SPECIAL EQUIPEMENT NEEDED. FOLLOW STANDARD PLANT HYGIENE PROCEDURE.			
STORAGE REQUIREMENTS: STORE IN DRY AREAS.			
SPECIAL SHIPPING INFORMATION: PROTECT AGAINST PHYSICAL DAMAGE. DOT LABEL NON-REGULATED			
SECTION 8 - FIRST AID MEASURES			
SPECIFIC MEASURES: GLAZE CONTAINS THE OXIDES LISTED IN THE CHEMICAL FORMULA IN FORM OF CERAMIC FRIT. SOME OF THESE OXIDES ARE ON THE INGREDIENT DISCLOSURE LIST, ONCE THESE OXIDES ARE FUSED AND CONVERTED INTO FRIT THEY ARE NO LONGER AVAILABLE IN TOXIC FORM EVEN THOUGH TESTING WOULD DETECT THE PRESENCE OF THESE OXIDES. (FRIT IS ESSENTIALLY AN INSOLUBLE SUBSTANCE). THE OXIDES ARE PRESENT IN THE FORM OF A SINTERED CERAMIC STAIN OF LOW SOLUBILITY. THESE INGREDIENTS ARE PRESENT IN A STABLE AQUEOUS SUSPENSION.			

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PREPARED BY
SINOPIGMENT & ENAMEL CHEMICALS
TECHNICAL DEPT.

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