MATERIAL SAFETY DATA SHEET

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SECTION 1 - PRODUC										
	PRODUCT IDENTIFIER: SPECTRUM LEADFREE RAKU GLAZE 884 AQUA PRODUCT IDENT. NUMBER 884									
PRODUCT USE : CERAMIC	GLAZE									
MANUFACTURER'S NAME	INC.	SUPPLIER'S NAME SPECTRUM GLAZES INC.								
STREET ADDRESS: 273 BOWES RD, UNIT A1				STREET AI	DRESS: 273 B	, UNIT A1				
CITY: CONCORD PROVINCE: ONTARI			RIO	CITY: CONCORD PROV			NCE: ONTARIO			
POSTAL CODE: L4K1H8 E	695-8355	POSTAL CODE: L4K1H8 EMERGENCY			CY TEL(905)695-8355					
SECTION 2 - HAZARDOUS	INGRED	IENTS								
HAZARDOUS INGREDIENTS		olo	CAS NUMBER	LD50 OF INGREDIENTS (SPECIFY SPECIES AND ROUTE			LC50 OF INGREDIENT (SPECIFY SPECIES)			
SiO2		20-30	14808-60-7	ILV 15mg/m3 TLV/TWA						
к20		2-4	12136-45-7							
Na2O		4-7	1313-59-3							
CaO		1-2	1305-78-8							
B203		1-4	1303-86-2							
AL203		3-6	1344-28-1							
ZnO		0.5-1	1314-13-2							
CERAMIC STAIN - BLUE		2-5	68186-95-8							
SECTION 3 - PHYSICAL	DATA									
PHYSICAL STATE LIQUID		ODOUR AND APPEARANCE ODOUR THRESHOLD (P: ODOURLESS LIQUID N.A.								
VAPOUR PRESSURE (mm Hg) N.A.	VAPOUR DENSITY (AIR=1)		EVAPORAT: N.A.	EVAPORATION RATE BOILI N.A. POINT			FREEZING POINT(C) N.A.			
рН 6.5-7	SPECIFIC GRAVITY 1.6-2.0			COEFF. WATER/OIL DIST. N.A.						
SECTION 4 - FIRE AND	EXPLOS	SION DATA	1			I				
FLAMMABILITY YES NO	X F	LAMES UND	ER WHICH CON	DITIONS :	THIS PRODUCT	DOES N	OT SUPPORT COMBUSTIO			
MEANS OF EXTINCTION N	O SPECI	AL MEANS H	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	COMBUSTIC						
EXPLOSION DATA N.A. SENSITIVITY IMPA			PACT N.A.	ACT N.A. ACTIVITY TO STATIC DISCHARGE N.A.						
		s	ECTION 5 - R	EACTIVITY	DATA					
CHEMICAL STABILITY	YES	X NO	IF NO, UNDER	R WHICH CO	NDITIONS					
INCOMPATIBILITY WITH	OTHER S	UBSTANCES	YESN	DX IFS	O WHICH ONES	REACTI	VITY			
REACTIVITY AND UNDER	WHAT CO	NDITIONS:	NO REACTIVI	ГҮ		_				
HAZARDOUS DECOMPOSITI	ON PROD	UCT: MATE	RIAL IS STAB	•		BUT TOX	IC FUMES MAY BE			
RELEASED WHEN				MATERIAL	IS MELTED.					

PRODUCT IDENTIFIER SPECTRUM LEAD FREE RAKU GLAZE 884 AQUA										
SECTION 6 - TOXICOLOGICAL PROPERTIES										
ROUTE OF ENTRY SKIN CONTACT SKIN ABSORPTION X EYE CONTACT X INHALATION INGESTION X										
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: SKIN IRRITATION DUE TO ABRASIVENESS. EYE EXPOSURE COULD CAUSE IRRITATION BUT NO TOXIC EFFECTS.										
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: METAL FUMES IN THE VAPOURS FROM FIRING CERAMIC GLAZES MAY CAUSE LUNG SYSTEM.										
EXPOSURE LIMITS	POSURE LIMITS IRRITAN		SENSITIZATION TO PRODUCT		CARCINOGENICITY					
TERATOGENCITY	REPRODU	CTIVE TOXICITY	MUTAGENICITY		SYNERGISTIC PRODUCTS					
SECTION 7 - PREVENTIVE MEASURES										
PERSONAL PROTECTIVE EQUIPMENT:										
GLOVES (SPECIFY) WORK GLOVES		RESPIRATOR (SPEC APPROVED DUST MA		EYE (SPECIFY) SAFETY GLASSES						
FOOTWEAR (SPECIFY)		CLOTHING (SPECIE	ΥY)	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.										
SECTION 9 - PREPARATION DATE OF MSDS										
PREPARED BY (GROUP, DEPARTMENT, ETC.) TECHNICAL DEPT.		PHONE NUMBER: (905)695-8355		DATE 15 FEBRUARY 2016						