SECTION 1 - PRODUCT IDENTIFICATION AND USE											
PRODUCT IDENTIFIER : SPECTRUM LEAD FREE GLA			ZE 1142 TEXTURE WHEAT			PRC	PRODUCT IDENTIFICATION NUMBER 1142				
PRODUCT USE : CERAMIC GLAZE											
MANUFACTURER'S NAME	IC. SUPPLIER'S NAME SPECTRUM			TRUM G	LAZES INC.						
STREET ADDRESS: 273 BOWES RD, UNIT A1				STREET ADDRESS: 27		S: 273 B	73 BOWES RD, UNIT A1				
CITY: CONCORD PROVINCE: ONTA			CITY: CONCORD		.D	PROVINCE: ONTARIO					
POSTAL CODE: L4K1H8	EL(905)	695-8355	POS	TAL CODE:	L4K1H8 E	MERGEN	CY TEL(905)695-8355				
SECTION 2 - HAZARDOUS INGREDIENTS											
HAZARDOUS INGREDIENTS		olo	CAS NUMBE		LD50 OF INGREDIENTS (SPECIFY SPECIES AND ROUTE)			LC50 OF INGREDIENT C) (SPECIFY SPECIES)			
SiO2		30-40	14808-60-7		ILV 15mg/m3 OSHA/TWA						
к20		1-3	12136-45-7								
CaO		5-6	1305-78-8								
Na2O		1-3	1313-59	-3							
A1203		5-7	1344-28	-1							
B2O3		3-4	1303-86	-2							
Sr02		3-4	1314-18	-7							
ZrO2		1-3	1314-23	-4							
CERAMIC STAIN - YELLOW		1-3	68186-9	5-8							
TiO2		4-6	13463-6	7-7							
SECTION 3 - PHYSICAL	DATA										
PHYSICAL STATE LIQUID	ODOUR AND APP ODOURLESS LIC					ODOUR THRESHOLD(PPM) N.A.					
VAPOUR PRESSURE (mm Hg) N.A.	VAPOUR DENSIT (AIR=1)	Ϋ́	EVAPORATION.A.		ATE BOILING POINT N.A.		I(C)	FREEZING POINT(C) N.A.			
рН 6.5-7	SPECIFIC GRAV	VITY	COEFF. WATER/OIL DIST. N.A.								
SECTION 4 - FIRE A	AND EXPLOSION D	ATA									
FLAMMABILITY YES NO	X FLAMES U	NDER WHI	CH CONDITIC	NS :	THIS PRODUC	T DOES NO	T SUPPO	RT COMBUSTION			
MEANS OF EXTINCTION N	O SPECIAL MEAN	S REQUIR	ED								
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.											
		SE	ECTION 5 - 1	REACT	IVITY DATA						
CHEMICAL STABILITY YES X NO IF NO, UNDER WHICH CONDITIONS											
INCOMPATIBILITY WITH OTHER SUBSTANCES YES NO X IF SO WHICH ONESREACTIVITY											
REACTIVITY AND UNDER	WHAT CONDITION	S: NO RE	ACTIVITY								
HAZARDOUS DECOMPOSITION PRODUCT: MATERIAL IS STABLE, NO POLYMERIZATION BUT TOXIC FUMES MAY BE RELEASED WHEN MATERIAL IS MELTED.											

PRODUCT IDENTIFIER SPECTRUM LEAD FREE 1142 TEXTURE WHEAT										
SECTION 6 - TOXICOLOGICAL PROPERTIES										
ROUTE OF ENTRY SKIN CONTACT	SK	IN ABSORPTION X EYE CONTACT X INHAL			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 INFLAMATION AND DAMAGE TO KIDNEY AND NERVOUS SYSTEM.										
EXPOSURE LIMITS	RE LIMITS IRRITAN		SENSITIZATION TO PRODUCT		CARCINOGENICITY					
TERATOGENCITY	REPRODUC	TIVE TOXICITY	MUTAGENICITY		SYNERGISTIC PRODUCTS					
SECTION 7 - PREVENTIVE MEASURES										
PERSONAL PROTECTIVE EQUIPMENT:										
GLOVES (SPECIFY) WORK GLOVES		RESPIRATOR (SPECI APPROVED DUST MASE		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.										
SECTION 9 - PREPARATION DATE OF MSDS										
PREPARED BY (GROUP, DEPARTME TECHNICAL DEPT.	ENT, ETC.)	PHONE NUMBER: (416) 747-8310		date 1 August 2012						