SECTION 1 - PRO	OUCT IDENTIFIC		USE			-				
PRODUCT IDENTIFIER :	SPECTRUM LEAD	FREE GLAZ	E 1121 SAT	IN ZI	INC WHITE	PRODUC	C IDENTIE	FICATION NUMBER 1121		
PRODUCT USE : CERAMIC	GLAZE									
							NAME SPECTRUM GLAZES INC.			
STREET ADDRESS: 273	B BOWES RD, U	NIT A1		STREET ADDRESS: 273 BOWES RD				UNIT A1		
CITY: CONCORD PROVINCE: ONTAR:			C	CITY: CONCORD			PROVINCE: ONTARIO			
POSTAL CODE: L4K1H8	3 EMERGENCY T	EL(905)6	95-8355	-8355 POSTAL CODE: L4K1H8			EMERGENCY TEL(905)695-8355			
SECTION 2 - HAZARDOU	S INGREDIENTS									
HAZARDOUS INGREDIENTS		o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-	CAS NUMBER		LD50 OF INGREDIENTS (SPECIFY SPECIES AND ROUTE)			LC50 OF INGREDIENT (SPECIFY SPECIES)		
SiO2		30-40	14808-60-7		ILV 15mg/m3 TLV/TWA					
K20		1-3	12136-45-7							
CaO		15-20	1305-78-8							
Na20		1-3	1313-59	-3						
A1203		13-16	1344-28	-1						
B203		3-4	1303-86	-2						
BaO		5-6	1304-28	-5						
ZrO2		3-5	1314-23	-4						
TiO2		2-4	13463-6	7-7						
SECTION 3 - PHYSICAL	DATA						I			
HYSICAL STATE ODOUR AND APPEARANCE JQUID ODOURLESS LIQUID						ODOUR THRESHOLD(PPM) N.A.				
VAPOUR PRESSURE (mm Hg) N.A.	VAPOUR DENSI (AIR=1)	EVAPORATI N.A.		ON RA	RATE BOILING POIN N.A.		(C) FREEZING POINT(C) N.A.			
рН 6.5-7	SPECIFIC GRAV	JITY	COEFF. WA N.A.	TER/O	R/OIL DIST.					
SECTION 4 - FIRE A	AND EXPLOSION I	ATA								
FLAMMABILITY YES NC	X FLAMES U	NDER WHIC	H CONDITIO	NS :	THIS PRO	DUCT DOES NOT	SUPPORT	COMBUSTION		
MEANS OF EXTINCTION N	IO SPECIAL MEAN	S REQUIRE	D							
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.	A. ACTIVITY TO STATIC DISCHARGE N.A.									
		SEC	TION 5 - H	REACT	IVITY DAT	ra 🔤				
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 CONDITIONS: NO REACTIVITY										
HAZARDOUS DECOMPOSITION PRODUCT: MATERIAL IS STABLE, NO POLYMERIZATION BUT TOXIC FUMES MAY BE RELEASED WHEN MATERIAL IS MELTED.										

PRODUCT IDENTIFIER SPECTRUM LEAD FREE 1121 SATIN ZINC WHITE										
SECTION 6 - TOXICOLOGICAL PROPERTIES										
ROUTE OF ENTRY SKIN CONTACT	SK SK	IN ABSORPTION X	EYE CONTACT X I	NHALATION	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	IRRITANC	Y OF PRODUCT	SENSITIZATION TO PRODUC		CARCINOGENICITY					
TERATOGENCITY	REPRODUC	TIVE TOXICITY	MUTAGENICITY		SYNERGISTIC PRODUCTS					
SECTION 7 - PREVENTIVE MEASURES										
PERSONAL PROTECTIVE EQUIPMENT:										
GLOVES (SPECIFY) WORK GLOVES		RESPIRATOR (SPECI APPROVED DUST MAS		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: (905)695-8355		date 15 october 2013						