## MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET  SECTION 1 - PRODUCT IDENTIFICATION AND USE										
PRODUCT IDENTIFIER: S	CALS CR09 R	EACTI	VE GREEI	N PRODUCT	IDENTI	FICATION NUMBER CR09				
PRODUCT USE : CERAMIC GLAZE										
MANUFACTURER'S NAME	MANUFACTURER'S NAME SPECTRUM GLAZES INC.				SUPPLIER'S NAME SPECTRUM GLAZES INC.					
STREET ADDRESS: 273	BOWES RD, UN	NIT A1	STREET ADDRESS: 273 BO			DRESS: 273 BC				
CITY: CONCORD	ONTARI	IO CITY: CONCORD			ICORD	PROV	INCE: ONTARIO			
POSTAL CODE: L4K1H8	EL(905)6	95-8355	POSTAL CODE: L4K1H8 EMERGEN				CY TEL(905)695-8355			
SECTION 2 - HAZARDOUS INGREDIENTS EXPOSURE LIMIT - AIR mg/m3-8 hr. TWA										
HAZARDOUS INGREDIENTS		%	CAS NUMBER		OSHA PEL			ACGIH TLV		
Cu	Cu		1317-3			1		10		
Fe203	Fe203 3-		1309-3	-37-1		10		5		
* SILICA, CRYSTALLINE QUARTZ, (SiO2) IS CONSIDERED TO BE CARCINOGENIC BY IARC CLASS IIA.										
SEE SECTION 8										
SECTION 3 - PHYSICAL	DATA									
PHYSICAL STATE GRANULAR	ODOUR AND APPEARANCE ODOURLESS SOLID							ODOUR THRESHOLD(PPM) N.A.		
VAPOUR PRESSURE (mm Hg) N.A.	VAPOUR DENSITY (AIR=1)		EVAPORATION F			BOILING POINT(C		FREEZING POINT(C)		
рн 6.5-7	SPECIFIC GRAVITY +1 COEFF. WA			TER/OIL DIST.						
SECTION 4 - FIRE AND EXPLOSION DATA										
FLAMMABILITY YES NO	X FLAMES UN	NDER WHIC	CH CONDITIC	ns :	THIS PRO	ODUCT DOES NOT	r SUPPO	ORT COMBUSTION		
MEANS OF EXTINCTION N	O SPECIAL MEANS	S REQUIRE	D.							
FLASHPOINT AND METHOD NONE			UPPER FLAMMABLE LIMIT (% BY VOLUME) N.A.				LOWER FLAMMABLE LIMIT (% BY VOLUME) N.A.			
AUTOIGNITION TEMP.(C)	HAZARDOUS COMBUSTION PRODUCTS NONE									
EXPLOSION DATA N.A. SENSITIVITY IMPACT N			Α.	A. ACTIVITY TO STATIC DISCHA			HARGE 1	ARGE N.A.		
		SE	CTION 5 - 1	REACT	VITY DA	\TA				
CHEMICAL STABILITY YES X NO IF NO,	UNDER WHICH CO	ONDITIONS	}	_						
INCOMPATIBILITY WITH OTHER SUBSTANCES YES NO X IF SO WHICH ONESREACTIVITY										
REACTIVITY AND UNDER WHAT CONDITIONS: NO REACTIVITY										
HAZARDOUS DECOMPOSITI			S STABLE, N		YMERIZA'	TION BUT TOXIO	C FUMES	MAY BE RELEASED WHEN		

PRODUCT IDENTIFIER SPECTRUM LEAD FREE CRYSTALS CR09 REACTIVE GREEN										
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 CRYSTALS MAY CAUSE LUNG INFLAMATION AND DAMAGE TO KIDNEY AND NERVOUS SYSTEM.										
EXPOSURE LIMITS IRRITANC		Y OF PRODUCT	SENSITIZATION TO F	PRODUCT	CARCINOGENICITY					
TERATOGENCITY	REPRODUCTIVE TOXICITY		MUTAGENICITY		SYNERGISTIC PRODUCTS					
SECTION 7 - PREVENTIVE MEASURES										
PERSONAL PROTECTIVE EQUIPMENT:										
GLOVES (SPECIFY) WORK GLOVES		RESPIRATOR (SPECIAL 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										
THIS MIXTURE MAY CONTAIN-IN FRIT (TOXIC SUBSTANCES CONTROL ACT INVENTORY, CHEMICAL ABSTRACTS SERVICE NUMBER 65997-18-4) AND/OR OTHER TYPICAL CERAMIC RAW MATERIALS, INCLUDING PIGMENT (S) THAT BELONG TO THE MIXED METAL OXIDES PIGMENTS CLASS, (WHICH ARE THE RESULT OF HIGH TEMPERATURE CALCINATIONS) AND ALTHOUGH THEY CONSIST OF METAL ATOMS AND OXYGEN ATOMS ARRANGED IN UNIQUE CRYSTAL STRUCTURES, THEIR TOXICOLOGICAL PROPERTIES ARE NOT CONSIDERED TO BE THOSE OF EITHER THE METAL OR THE METAL OXIDES-RATHER THEY ARE MAN-MADE MINERALS WHICH CLOSELY DUPLICATE THE PROPERTIES OF THEIR NATURAL COUNTERPARTS, WHICH THEY CLOSELY RESEMBLE, BUT THEY MAY CONTAIN A SMALL AMOUNT OF THE RAW MATERIAL METAL OXIDES PUTTING THEM IN TH OSHA HAZARDOUS CATEGORY- THE FOLLOWING POTENTIALLY HAZARDOUS SUBSTANCES REFFERENCED BY FED/OHSHA IN CFR 1910.1200:										
SECTION 9 - PREPARATION DATE OF MSDS										
PREPARED BY (GROUP, DEPARTMENT, ETC.) TECHNICAL DEPT.		PHONE NUMBER: (416) 747-8310	DATE 1 AUGUST		r 2012					