MATERIAL SAFETY DATA SHEET

SECTION 1 - PROD	UCT IDENTIFIC				DATA						
PRODUCT IDENTIFIER:SPECTRUM LEAD FREE RAISED ACCE ORANGE								PRODUCT IDENTIFICATION NUMBER RAC8			
PRODUCT USE : CERAM	IC UNDERGLAZE										
MANUFACTURER'S NAME	C. SUPPLIER'S NAME SPECTRUM				RUM GI	GLAZES INC.					
STREET ADDRESS 94 F		STREET ADDRESS			94 FENMAR DRIVE						
CITY TORONTO PROVINCE ONT			ARIO CITY TORONTO				PROVINCE ONTARIO				
POSTAL CODE M9L1M5 EMERGENCY TEL.(416)7			47-8310	8310 POSTAL CODE M9L1M5 EMERGEN					Y TEL.(416)747-8310		
SECTION 2 - HAZARDO	US INGREDIENT	S									
HAZARDOUS INGREDIENTS		8	CAS NUMBER		LD50 OF INGREDIENTS (SPECIFY SPECIES AN ROUTE)			LC50 OF INGREDIENT (SPECIFY SPECIES)			
SiO2		30-40	14808-60-7		ILV 15mg/m3 TLV/TWA			IA			
CaO		1-2	1305-78	- 8							
Na2O		8-12	1313-59	-3							
A1203		8-10	1344-28	-1							
B2O3		1-2	1303-86	-2							
SECTION 3 - PHYSICA	L DATA		•								
PHYSICAL STATE LIQUID	ODOUR AND APPEARANCE ODOURLESS LIQUID								ODOUR THRESHOLD(PPM) N.A.		
VAPOUR PRESSURE (mm Hg) N.A.	VAPOUR DENS: (AIR=1)	EVAPORATION RATE BOILD N.A. N.A.					FREEZING POINT(C) N.A.				
рН 6.5-7	SPECIFIC GRA 1.8-2.2	COEFF. WATER/OIL DIST. N.A.									
SECTION 4 - FIRE A	ND EXPLOSION	DATA	•								
FLAMMABILITY YES	NO X FLAME	S UNDER	WHICH CON	DITI	ONS : T	HIS P	RODUCT 1	DOES N	OT SUPPORT COMBUSTION		
MEANS OF EXTINCTION	NO SPECIAL M	EANS RE	QUIRED								
FLASHPOINT AND METHOD NONE			UPPER FLAMMABLE LIMIT (% BY VOLUME) N.A.				LOWER FLAMMABLE LIMIT (% BY VOLUME) N.A.				
AUTOIGNITION TEMP.(HAZARDOUS COMBUSTION PRODUCTS NONE									
EXPLOSION DATA N.A.	CT N.A. ACTIVITY TO STATIC DISCHAR						JE N.A.				
		SEC	TION 5 - 1	REACT	IVITY I	DATA					
CHEMICAL STABILITY YES X NO IF N	O, UNDER WHIC	H CONDI	TIONS								
INCOMPATIBILITY WIT YES NO X IF S	H OTHER SUBST O WHICH ONESR		ГҮ								
REACTIVITY AND UNDE	R WHAT CONDIT	IONS: NO	O REACTIVI	TY							
HAZARDOUS DECOMPOSI RELEASED WHEN	TION PRODUCT:	MATERI	AL IS STAB		NO POLY TERIAL			UT TOX	IC FUMES MAY BE		

PRODUCT IDENTIFIER SPECTRUM LEAD FREE UNDERGLAZE RAC8 ORANGE											
SECTION 6 - TOXICOLOGICA	L PROPERI	IES									
ROUTE OF ENTRY											
SKIN CONT. X	ACT	SKIN ABSORPTION	X EYE CONTACT	'X INI	HALATION	INGESTION					
EFFECTS OF ACUTE EXPOSUR	E TO PROI		TION DUE TO ABRASI COULD CAUSE IRRI		UT NO TOXIC	EFFECTS.					
EFFECTS OF CHRONIC EXPOS CAUSE LUNG SYSTEM.	URE TO PF	RODUCT: METAL FUME	S IN THE VAPOURS INFLAMATION AND								
EXPOSURE LIMITS	IRRITAN	CY OF PRODUCT	SENSITIZATION TO PRODUCT		CARCINOGENICITY						
TERATOGENCITY	REPRODUCTIVE TOXICITY		MUTAGENICITY		SYNERGISTIC PRODUCTS						
SECTION 7 - PREVENTIVE M	EASURES		1		1						
PERSONAL PROTECTIVE EQUI	PMENT:										
GLOVES (SPECIFY) WORK GLOVES		RESPIRATOR (SPEC APPROVED DUST MA	,								
FOOTWEAR (SPECIFY)		CLOTHING (SPECIE	OTHER (SPECIFY)								
ENGINEERING CONTROLS (SP VENTILATION SHOULD BE US			LOSED PROCESS)								
LEAK AND SPILL PROCEDURE	: SCOOP 1	NTO SUITABLE RECE	PTACLE. DO NOT WA	SH DOWN I	DRAIN.						
WASTE DISPOSAL: SEND TO .	APPROVED	SITE IN ACCORDANC	E WITH REGULATION	IS.							
HANDLING PROCEDURES AND PROCEDURE.	EQUIPMENT	C: NO SPECIAL EQUI	PEMENT NEEDED. FO	LLOW STAP	NDARD PLANT I	HYGIENE					
STORAGE REQUIREMENTS: ST	ORE IN DF	RY AREAS.									
SPECIAL SHIPPING INFORMA	TION: PRO	TECT AGAINST PHYS	GICAL DAMAGE. DOT	LABEL NOI	N-REGULATED						
		SECTION 8 - FIF	ST AID MEASURES								
SPECIFIC MEASURES: GLAZE SOME OF THESE OXIDES ARE CONVERTED INTO FRIT THEY PRESENCE OF THESE OXIDES THE FORM OF A SINTERED C AQUEOUS SUSPENSION.	ON THE I ARE NO I . (FRIT J	NGREDIENT DISCLOS LONGER AVAILABLE I S ESSENTIALLY AN	URE LIST, ONCE TH IN TOXIC FORM EVEN INSOLUBLE SUBSTAN	ESE OXIDA THOUGH T CE). THE	ES ARE FUSED TESTING WOULD OXIDES ARE D	AND D DETECT THE PRESENT IN					
SECTION 9 - PREPARATION	DATE OF M	ISDS									
PREPARED BY (GROUP,DEPARTMENT,ETC.) TECHNICAL DEPT.		PHONE NUMBER: (416)747-8310	DATE 30 JULY		2009						
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