MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE	
PRODUCT IDENTIFIER : SPECTRUM LEAD FREE GLAZE 1215 RUBY	PRO
PRODUCT USE : CERAMIC GLAZE	
MANUFACTURER'S NAME SPECTRUM GLAZES INC.	SUP
STREET ADDRESS 40 HANLAN RD UNIT 33	STR
CITY WOODBRIDGE PROVINCE ONTARIO	CIT
POSTAL CODE L4L 3P6 EMERGENCY TEL.NO.(905)851-8310	POS

SECTION 2 - HAZARDOUS	1	{	:	: 11
INGREDIENTS				
HAZARDOUS INGREDIENTS	8	CAS NUMBER	LD50 OF INGREDIENTS (SPECIFY SPECIES AND ROUTE)	LC50 OF INGREDIENT (SPECIFY SPECIES)
SiO2	30-35		ILV 15mg/m3 OSHA/TWA	
K20	1-2			
CaO	12-16	1305-78-8		
Na2O	2-4			
A1203	8-10	1344-28-1		
BaO	1-3			
Cr203	2-4		.5	
SnO2	2-4		2.0	

SECTION 3 -		
PHYSICAL DATA		
PHYSICAL STATE	ODOUR AND APPEARANCE ODOURLESS LIQUID	ODOUR
LIQUID		THRESHOLD(PPM) N.A.
VAPOUR PRESSURE	VAPOUR DENSITY (AIR=1)	EVAPORATION RATE
(mm Hg) N.A.		N.A.
рн 6.5-7	SPECIFIC GRAVITY 1.6-2.0	COEFF. WATER/OIL
_		DIST. N.A.

SECTION 4 - FIRE AND EXPLOSION DATA	
FLAMMABILITY YES NO X FLAMES UNDER WHICH CONDITIONS: THIS PRODUCT DOES NOT SUPPORT	
MEANS OF EXTINCTION NO SPECIAL MEANS REQUIRED	
FLASHPOINT AND METHOD NONE	UPPER 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.

SECTION 5 - REACTIVITY 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 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 1215			
SECTION 6 -			
TOXICOLOGICAL PROPERTIES			
ROUTE OF ENTRY			
SKIN CONTACT SKIN			
EFFECTS OF ACUTE			
EXPOSURE TO PRODUCT:			
SKIN IRRITATION DUE TO			
ADDACTMENTCC			
EFFECTS OF CHRONIC			
EXPOSURE TO PRODUCT:			
METAL FUMES IN THE			
VADOUDC FROM FIRING			
EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO	CARCINOGENICITY
		PRODUCT	
TERATOGENCITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS

SECTION 7 - PREVENTIVE MEASURES	
PERSONAL PROTECTIVE EQUIPMENT:	
GLOVES (SPECIFY) WORK GLOVES	RES
FOOTWEAR (SPECIFY)	CLO
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 FOR

M 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	PHONE NUMBER:	(905) 851-8310	DATE
(GROUP, DEPARTMENT, ETC.)			
TECHNICAL DEPT.			