			RIAL SAF	ETY D.	ATA SHI	CET			
SECTION 1 - PRODUC						DDODUG			CARLON NUMBER 06
PRODUCT IDENTIFIER :		EAD FREE	960 GUNME	TAL		PRODUC	T IDEN	1.T.T.F.T.	CATION NUMBER 960
PRODUCT USE : CERAMI	C GLAZE								
MANUFACTURER'S NAME	2.	SUPPLIER'S NAME SPECTRUM GLAZES				S INC.			
STREET ADDRESS: 273		STREET ADDRES			SS: 273 BOWES RD, UNIT A1				
CITY: CONCORD PROVINCE: ONTA			CITY:		CONCORD PROVINCE: ONTARIO				
POSTAL CODE: L4K1H8	95-8355	POSTAL CODE: L4K1H8 EMERGENCY TEL(905)6			EL(905)695-8355				
SECTION 2 - HAZARDOU	S INGREDIEN	rs							
HAZARDOUS INGREDIENTS		olo	CAS NU	MBER	LD50 OF INGREDIENTS (SPECIFY SPECIES AND RO			LC50 OF INGREDIEN (SPECIFY SPECIES	
SiO2		20-30	14808-60-7		ILV 15mg/m3 OSHA/TWA				
к20		0.5-2	12136-	45-7					
Na2O		3-5	1313-5	9-3					
CaO		2-4	1305-7	8-8					
BaO		2-4	1304-2	8-5					
A1203		4-6	1344-2	8-1					
B2O3		4-6	1303-8	6-2					
Li20		1-3	12057-	24-8					
MgO		0.5-2	1309-4	8-4					
MnO2		2-4	1313-1	3-9					
CuO		1-3 1317-3		8-0					
TiO2		0.5-2	0.5-2 13463-						
NiO		0.5-1	5-1 1313-9						
SECTION 3 - PHYSICAL DA	ATA								
PHYSICAL STATE LIQUID	L STATE LIQUID ODOUR AND APPEARANCE ODOURLESS LIQUID							ODOUR THRESHOLD(PPM) N.A.	
VAPOUR PRESSURE (mm Hg) N.A.	VAPOUR DENS (AIR=1)	ITY	EVAPORATI N.A.	ON RATE	E BOILING POIN N.A.		F(C)) FREEZING POINT(C) N.A.	
рН 6.5-7	SPECIFIC GRA 1.6-2.0	AVITY	COEFF. WA N.A.	TER/OIL DIST.					
SECTION 4 - FIRE AN	D EXPLOSION D	АТА	•						
FLAMMABILITY YES NO >	K FLAMES U	NDER WHIC	H CONDITION	S : THI	S PRODUCI	DOES NOT	SUPPOR	т сом	BUSTION
MEANS OF EXTINCTION NO	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	HAZARDOUS	HAZARDOUS COMBUSTION PRODUCT			-				
EXPLOSION DATA N.A.	A.	ACTIVITY TO STATIC DISCHARGE N.A.							
		SEC	TION 5 - RE	ACTIVII	Y DATA				
CHEMICAL STABILITY Y	es x no	IF NO, UNI	DER WHICH CO	ONDITIO	NS				
INCOMPATIBILITY WITH OT	THER SUBSTANC	ES YES	NO X IF	SO WHI	CH ONESRE	ACTIVITY			
REACTIVITY AND UNDER WE	HAT CONDITION	S: NO REA	CTIVITY						
HAZARDOUS DECOMPOSITION MATERIAL IS MELTED.	N PRODUCT: MA	TERIAL IS	STABLE, NO	POLYME	RIZATION	BUT TOXIC	FUMES	MAY B	E RELEASED WHEN

PRODUCT IDENTIFIER SPECTRUM LEAD FREE 960 GUNMETAL											
SECTION 6 - TOXICOLOGICAL PROPERTIES											
ROUTE OF ENTRY SKIN CONTACT	SK	IN ABSORPTION X EYE CONTACT X INHA			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 E	PRODUCT	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 2015							