			Acc	ording to Regul	ation (EC) No.190	7/2006 (REACH	יבי ב <u>ה</u> ע	V VISIBLE IN SPECIALIST OF HUS
								n 2015 : Issued 9th September 2015
1.			E SUBSTAL	NCE AND TH	E COMPANY			
	1.1. PRODUCT IDE	NTIFIERS:						
	Product Name:	N		allium Bromide Oj	ptical Crystal			
	Synonyms, Trade 1.2. RELEVANT ID		Tll FS OF THF S		MIXTURE AND U	SES ADVISED	CAINST	
	Identified Uses:				nanufacture of Optic		IOAN SI	
	1.3. DETAILS OF T	HE SUPPLIE				1		
	Company:				Broom Road Busin	ess Park, Poole, D	orset UK BH12 4P	PA
	14 EMEDOENOV			+44 1202 307650				
	1.4. EMERGENCY Emergency Phon			+44 1202 307650	(Monday to Friday	08:30 to 17:00 GN	1 (T)	
	Emergency Action							r doctor or local hospital accident
	6 1							to contact the National Poisons
				formation Service.				
2.	HAZARDS IDE							
	2.1. CLASSIFICAT							
	Class 6.1 Poison	. Very toxic by	ingestion with	cumulative effects	s. Harmful in contac	t with skin. Toxic	to aquatic organis	sms, may cause long term adverse us for the environment.
	2.2. LABEL ELEMI		it. Faiticulai cai	e must be exercise	u when machining a	nu creating dust o	i particles. Daligero	us for the environment.
	Signal Word:	Danger						
	H300	Fatal if swallow						HMIS PRODUCT IDENTIFIER
	H330	Fatal if inhaled						HEALTH 4
	H373 Signal Word:	May cause dat Warning	mage to organs	through prolonged	l or repeated exposi	ure.	VV	FLAMMABILTY 0
	H411		ic life with long	lasting effects				PHYSICAL HAZARD 1
	Precautionary Sta		C	U				PERSONAL PROTECTION B
	P260			mist/vapours/spray	<i>.</i>			MA W
	P264 P270		hly after handlir		aduat			Safety Glasses Gloves
	P270 P273		to the environm	en handling this pr	oduct		¥	
	P301+P310				entre or doctor. Rinse	e mouth.		
	P304+P312	IF INHALED:			ysician if you feel u			
	2.3. OTHER HAZA	RDS						
2	None			INCOEDIEN	TC			
3.	COMPOSITION 3.1. SUBSTANCES	N/INFUKIVL	ATION ON	INGREDIEN	15			
	Component Nam	e CAS	number	%	EC number (EINE	CS)	EU index	UN number
	Thallium Bromic	le 7789-	-40-4	100%	232-163-0	,	081-002-00-9	1707
4		SUDEC						
4.	FIRST AID MEA 4.1. DESCRIPTION		DMEASURES	3				
	GENERAL:		or for specific a					
	EYES:				utes. Obtain medica	l attention.		
	SKIN:							h clothing before re-use.
	INHALATION:				and at rest. Obtain m		oreathing is difficul	t, properly trained personnel may
	INGESTION:	Do not induce	vomiting. Was	h out mouth thoro	ughly with water an	nd give 2 cups of	water to drink. Do	not give carbonated drinks. Never
		give anything l	by mouth to an	unconscious persoi	n. Obtain medical at	tention immediate		6
	4.2. MOST IMPOR			FECTS, BOTH A	CUTE AND DELA	YED		
	Refer to Section 2 4.3. INDICATION (ICAL ATTENTIO	NN AND SPECIAL	TDEATMENT	NEEDED	
	No Data.			ICAL ATTENTO	JI AND SI ECIAL			
5.	FIRE FIGHTIN	G MEASUI	RES					
	5.1. EXTINGUISHI							
	This product doe							
	5.2. SPECIAL HAZ Material may evo			E SUBSTANCE (OR MIXTURE			
	5.3. ADVICE FOR I							
	Use breathing ap		sary.					
6.		paratus if necess		S				
6.	Use breathing ap ACCIDENTAL 6.1. PERSONAL PR	paratus if necess <u>RELEASE</u> ECAUTIONS,	MEASURE , protectiv	E EQUIPMENT			ES	
6.	Use breathing ap ACCIDENTAL 6.1. PERSONAL PR Wear suitable pro-	paratus if necess RELEASE ECAUTIONS , otective clothing	MEASURE , PROTECTIV g & equipment a	E EQUIPMENT	AND EMERGENC		ES	
6.	Use breathing ap ACCIDENTAL 6.1. PERSONAL PR Wear suitable pro 6.2. ENVIRONMEN	paratus if necess RELEASE ECAUTIONS , otective clothing TAL PRECAU	MEASURE PROTECTIV & equipment a UTIONS	E EQUIPMENT	ion 8. Avoid making	g dust.	ËS	
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SAFETY DATA SHEET

THALLIUM BROMIDE OPTICAL CRYSTAL

1, Broom Road Business Park, Poole, Dorset, UK BH12 4PA TEL: +44 1202 307650 Email: <u>sales@crystran.co.uk</u> <u>www.crystran.co.uk</u> FAX +44 1202 307651 Registered in England No.2863378

RYSTRAN

· VISIBLE · IR SPECIALIST OPTICS

SAFETY DATA SHEET

THALLIUM BROMIDE OPTICAL CRYSTAL

According to Regulation (EC) No.1907/2006 (REACH)



Revision 2015 : Issued 9th September 2015

	Keep away from heat. Avoid conta		JDING AN	Y INCOMPATIBILI		ung dust.			
	1.2. CONDITIONS FOR SAFE STU								
	Keep away from foodstuffs. Keep	away from acids	and strong	Dases.					
	7.3. SPECIFIC END USES	60 1 10							
•	Optical Material for Manufacture of			FOTON					
	EXPOSURE CONTROL AN	D PERSONA	AL PRO	IECTION					
i	8.1. CONTROL PARAMETERS OCCUPATIONAL EXPOSURE I	IMITS (OFI.) -	-0.1 mg/m^3	in 8 hour Time Weig	htad Avaraga (TW	۸)			
	8.2. EXPOSURE CONTROLS	JIVITIS (OEL) –	- 0.1 mg/m	in a nour rime werg	ineu Average (1 w	A)			
	Protective gloves made of PVA are required. Use of a laboratory coat is suggested. Safety goggles or safety glasses with side shields are required if there is any								
							equate general mechanical ventilation, and		
	local exhaust ventilation. Wash har			ng the product.					
	PHYSICAL AND CHEMICA								
	9.1. INFORMATION ON BASIC PH						NT - A - 11 - 1.1		
	APPEARANCE : BOILING POINT (760mm Hg)	Grey/clear geo Not Applicable	-		ASH POINT: AMMABILITY:		Not Applicable Not Applicable		
	MELTING POINT:	460°C			XPLOSIVE PROPH	RTIES	Not Applicable		
	SPECIFIC GRAVITY:	7.453 g/mL			APOUR PRESSUR		Negligible at 25°C		
	SOLUBILITY IN WATER:	50mg/100ml H	I ₂ O at 20°C		I IN AQUEOUS S		Not determined		
	9.2. OTHER SAFETY INFORMATI			1	-				
	None								
	STABILITY AND REACTIV								
	10.1. REACTIVITY			SIBILITY OF HAZ	ARDOUS		NCOMPATIBLE MATERIALS		
	Reacts with strong oxidising mat 10.2. CHEMICAL STABILITY	erials		ACTIONS e known			rong Mineral Acids. Strong oxidising aterials		
	Stable under normal conditions of	of storage		NDITIONS TO AVO	D		AZARDOUS DECOMPOSITION		
	and use	8-		react with oxidising as			RODUCTS		
			stron	ig acids		TI	nallium, Hydrogen Bromide.		
	and swelling, mental confusion dust or particles. Inhalation of du TOXIC DOSE - LD50 >24 mg	OLOGICAL EF ith a cumulative and insomnia, ha ust may irritate re g/kg (oral/mouse)	effect. Affe air loss. Als espiratory sy) CA	o harmful in contact v stem. ARCINOGENICITY	with skin. Particula	r care must l	be exercised when machining and creating		
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CRYSTRAN LTD

7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING:

1, Broom Road Business Park, Poole, Dorset, UK BH12 4PA Email: <u>sales@crystran.co.uk</u> <u>www.c</u>

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