	PO		ROWIDE OF IICAL C equlation (EC) No.1907/2006 (R	-	UV · VISIBLE · IR SPECIALIST OPTICS
		According to N	-guiation (LC) No. 1907/2000 (N	,	Revision 2016 : Issued 16 th August 2016
1.	IDENTIFICATION OF THE SUB	STANCE AND	THE COMPANY		
	1.1. PRODUCT IDENTIFIERS: Product Name: Potassium Bromide Optical Crystal Synonyms, Trade Names: KBr, Bromide 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST Identified Uses: Optical Material for manufacture of Optical Components. 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET Company: CRYSTRAN LTD, 1 Broom Road Business Park, Poole, Dorset UK BH12 4PA $=$ +44 1202 307650 1.4. EMERGENCY TELEPHONE NUMBER Emergency Phone: $=$ +44 1202 307650 (Monday to Friday 08:30 to 17:00 GMT)				
	Emergency Action:	In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department. The attending health professional will be able to contact the National Poisons Information Service.			
2.	2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE No Hazardous Product as specified in Directive 67/548/EEC. 2.2. LABEL ELEMENTS Precautionary Statements: P262 Do not breathe dust/fume/gas/mist/vapours/spray.				HEALTH 0 FLAMMABILTY 0 PHYSICAL HAZARD 0 PERSONAL PROTECTION B CONST
•					Glasses Gloves
3.	COMPOSITION/INFORMATION 3.1. SUBSTANCES	ON INGREDI	<u>ENTS</u>		
	Component Name Potassium Bromide CAS number 7758-02-3	% 100%	EC number (EINECS) 231-830-3	EU index -	UN number -
4.	FIRST AID MEASURES 4.1. DESCRIPTION OF FIRST AID MEASURES GENERAL: Consult a doctor for specific advice. EYES: Irrigate thoroughly with water for at least 15 minutes. If discomfort persists obtain medical attention. SKIN: Wash thoroughly with soap and water. INHALATION: Remove to fresh air. Obtain medical attention. INGESTION: Wash out mouth thoroughly with water. In severe cases obtain Medical Attention. INGESTION: Wash out mouth thoroughly with water. In severe cases obtain Medical Attention. Refer to Section 2.2 and to section 11. 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED No Data. No Data.				
5.	 FIRE FIGHTING MEASURES 5.1. EXTINGUISHING MEDIA This product does not burn. 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE None Known 5.3. ADVICE FOR FIREFIGHTERS Use breathing apparatus if necessary. 				
6.	 <u>ACCIDENTAL RELEASE MEASURES</u> 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES None 6.2. ENVIRONMENTAL PRECAUTIONS Prevent further leakage or spillage. 6.3. METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP Dispose of as normal waste. 6.4. REFERENCE TO OTHER SECTIONS None 				
7.	HANDLING AND STORAGE 7.1. PRECAUTIONS FOR SAFE HANDLI 7.2. Protect against physical damage and avoid 7.3. CONDITIONS FOR SAFE STORAGE Keep in an airtight container and protected 7.4. SPECIFIC END USES Optical Material for Manufacture of Optic	generating dust. , INCLUDING AN from moisture.	Y INCOMPATIBILITIES		

SAFETY DATA SHEET

POTASSIUM BROMIDE OPTICAL CRYSTAL

CRYSTRAN LTD

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VISIBLE · IR SPECIALIST OPTICS

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OCCUPATIONAL EXPOSURE LIMITS (OEL) = Not Assigned

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE CONTROLS

8.1. CONTROL PARAMETERS

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 possibility of chipping or dust creation. Respirators must be worn when the threshold limit is exceeded. Provide adequate general mechanical ventilation, and local exhaust ventilation. Wash hands immediately after handling the product.

FLASH POINT:

FLAMMABILITY:

VAPOUR PRESSURE:

EXPLOSIVE PROPERTIES:

pH IN AQUEOUS SOLUTION: Not determined

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES APPEARANCE : Clear geometric shapes, no odour. BOILING POINT (760mm Hg) 1380°C MELTING POINT: 730°C SPECIFIC GRAVITY: 2.75 g/mL SOLUBILITY IN WATER: Very soluble, 53.48g/100g water at 0°C

9.2. OTHER SAFETY INFORMATION None

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

Reacts slowly with mineral acids.

10.2. CHEMICAL STABILITY

Stable under normal conditions of storage and use.

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Animal experiments have shown that lungaveolitis may occur after subacute high exposure (50mg/m³) to dust. No toxicological effects were observed after 4 weeks subacute exposure at 10mg/m³. Nevertheless, particular care should be exercised when machining and creating dust or particles. CARCINOGENICITY: No evidence of carcinogenic properties. **TOXIC DOSE - LD50** > 3000 mg/kg (oral/rat) MUTAGENICITY/TERATOGENICITY: No evidence of reproductive effects.

12. ECOLOGICAL INFORMATION

12.1. TOXICITY No Data

- 12.2. PERSISTENCE AND DEGRADABILITY No Data
- **12.3. BIOACCUMULATIVE POTENTIAL** No Data
- 12.4. MOBILITY IN SOIL No Data

13. DISPOSAL CONSIDERATIONS **13.1. WASTE TREATMENT METHODS**

Chemical residues are generally classified as special waste, and are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

14. TRANSPORT INFORMATION

- 14.1. UN NUMBER: None
- 14.2. UN PROPER SHIPPING NAME:
- Not subject to transportation regulations. 14.3. TRANSPORT HAZARD CLASS: None

15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE TSCA: Listed in the TCSA Inventory

16. OTHER INFORMATION

REVISION DATE: 15th August 2016 ©2016 Crystran Ltd. The above information is believed to be correct but does not purport to be all inclusive and must be used only as a guide.

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12.5. RESULTS OF PBT AND vPvB ASSESSMENT Not required or conducted

12.6. OTHER ADVERSE AFFECTS

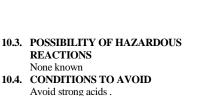
14.4. PACKING GROUP: None

14.5. ENVIRONMENTAL HAZARDS: None

14.6. SPECIAL PRECAUTIONS FOR USER: None

14.7. TRANSPORT IN BULK MARPOL / IBC: No Data

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.



10.5. INCOMPATIBLE MATERIALS Strong Mineral Acids.

Not Applicable

Not Applicable

Not Applicable

Negligible at 25°C

10.6. HAZARDOUS DECOMPOSITION PRODUCTS Normally none.

Revision 2016 : Issued 16th August 2016



SAFETY DATA SHEET POTASSIUM BROMIDE OPTICAL CRYSTAL

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