Safety Data Sheet (SDS)

Products

Part Number	Name	Used in	Remarks
206-66589-01	Beam splitter (KBr)	IRTracer-100/IRAffinity-1 series	
206-66589-07	Compensator (KBr)	IRTracer-100/IRAffinity-1 series	
206-66589-02	Beam splitter (KBr)	IRTracer-100/IRAffinity-1 series	
206-66589-08	Compensator (KBr)	IRTracer-100/IRAffinity-1 series	
206-73882-01	Sample compartment window (KBr)	IRTracer-100	
206-31018-46	Sample compartment window (Standard)	IRSpirit series	
200-66752-04	KBr window		For IR microscope measurement
201-77160-20	KBr window	Sealed Liquid Cell (202-32001-20)	
201-77164-20	KBr window	Gas cell	
201-97977	KBr window	Demountable Cell/Liquid cell	
		(202-32000-20)	
202-32002-2x	KBr fixed thickness cell		
202-32003-25	KBr micro cell		
202-32006-20	KB 5cm gas cell		
202-32007-20	KBr 10cm gas cell		
202-34141	KBr chunk, 100g		For KBr tablet method

KBr window or KBr powder

1.	Identification	Product name:	Potassium Bromide
		Company:	Shimadzu Corporation
		Address:	1, Nishinokyo-Kuwabaraco, Nakagyo-ku, Kyoto
			604-8511 JAPAN
		Responsible department:	Spectroscopy Business Unit,
			Analytical & Measuring Instrument Div.
		Telephone:	+81-75-823-1203
		Fax:	+81-75-823-4614

feel unwell. Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medic advice/attention. Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to Continue rinsing. If eye irritation persists: Get	2.	Hazards	Classification of the substance	
Health hazards Category 5 Environmental hazards: Not classified Label elements None · Pictograms or hazard symbols: None · Signal word: Warning · Hazard statements: May be harmful if swallowed · Precautionary statements: Call a POISON CENTER or doctor/physician if feel unwell. 3. Composition/ information on ingredients Substance/mixture: Substance Percent: >99.0%(T) Cas number: 7758-02-3 Chemical formula: KBr Notice through official gazettes reference number (1)-108 · Encs: (1)-108 · Ishi: Official announcement chemistry substance. 4. First-aid measures Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if feel unwell. Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. if skin initation or rash occurs: Get medic advice/attention. Eye contact: Rinse cautiously with water for several minutes Remove contact lenses, if present and easy to Continue rinsing. If eye irritation persists: Get		identification	or mixture	
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Continue rinsing. If eye irritation persists: Get			Eye contact:	Rinse cautiously with water for several minutes.
				Remove contact lenses, if present and easy to do.
				Continue rinsing. If eye irritation persists: Get
medical advice/attention.				medical advice/attention.
Ingestion: Call a POISON CENTER or doctor/physician if			Ingestion:	Call a POISON CENTER or doctor/physician if you
feel unwell. Rinse mouth.				feel unwell. Rinse mouth.
Protection of first-aiders: A rescuer should wear personal protective			Protection of first-aiders:	A rescuer should wear personal protective
equipment, such as rubber gloves and airtight				equipment, such as rubber gloves and airtight
goggles.				goggles.

5. Fire-fighting Suitable extinguishing media:: Dry chemical, foam, water spray, carbon measures Specific hazards arising from Take care as it may decompose upon co the chemical: or in high temperatures to generate poise fume. Precautions for firefighters: Fire-extinguishing work is done from the rand the suitable fire-extinguishing method according to the surrounding situation is a place. In case of fire in the surroundings:	mbustion onous windward d used.
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according to the surrounding situation is u Uninvolved persons should evacuate to a	used.
Uninvolved persons should evacuate to a	
	Remove
movable containers if safe to do so.	
Special protective equipment When extinguishing fire, be sure to wear	personal
for firefighters: protective equipment.	porooriar
6. Accidental Personal precautions, Use personal protective equipment. Keep	neonle
release measures protective equipment and away from and upwind of spill/leak.	, beeble
emergency procedures: Entry to non-involved personnel should be	e
controlled around the leakage area by ro	
etc.	sing on,
Environmental precautions: Environmental precautions: Prevent prod	uct from
entering drains.	
Methods and materials for Sweep dust to collect it into an airtight co	ntainer.
containment and cleaning up: taking care not to disperse it.	,
Adhered or collected material should be	oromptly
disposed of, in accordance with appropria	
and regulations.	
7. Handling and Precautions for safe handling	
storage Technical measures: Handling is performed in a well ventilated	l place.
Wear suitable protective equipment.	
Prevent dispersion of dust. Wash hands	and face
thoroughly after handling.	
Use a local exhaust if dust or aerosol will	be
generated.	
Advice on safe handling: Avoid contact with skin, eyes and clothing	j .
Conditions for safe storage,	
including any incompatibilities	
Storage conditions: Keep container tightly closed. Store in a c	cool and
dark place.	
Store under inert gas.	
Protect from moisture.	
Store away from incompatible materials	such as
oxidizing agents.	
Hygroscopic	
Packaging material: Comply with laws.	

8.	Exposure	Engineering controls:	Install a closed system or local exhaust as possible
	controls /		so that workers should not be exposed directly.
	personal		Also install safety shower and eye bath.
	protection	Control parameters:	Not set up
		Personal protective equipment	
		 Respiratory protection: 	Dust respirator. Follow local and national
			regulations.
		 Hand protection: 	Protective gloves.
		• Eye protection:	Safety glasses. A face-shield, if the situation
			requires.
		 Skin and body protection: 	Protective clothing. Protective boots, if the situation
			requires.
9.	Physical and	Physical state (20°c):	Solid
	chemical	Form:	Crystal- Powder
	properties	Color:	Clear (crystal) or White (powder)
		Odor:	Odorless
		Ph:	5.0 - 8.0 (50g/L 25°C)
		Melting point/freezing point:	730°C
		Boiling point/range:	No data available
		Flash point:	No data available
		Flammability or explosive limits:	
		Lower:	No data available
		Upper:	No data available
		Vapor pressure:	0.1kPa/795°C
		Relative density:	No data available
		Solubility(ies):	
		[water]	Very soluble
		[other solvents]	Glycerol
		Soluble:	Very slightly
		Very slightly soluble:	Ether, Alcohols
10.	Stability and	Chemical stability:	Stable under proper conditions.
	reactivity	Possibility of hazardous	No special reactivity has been reported.
		reactions:	
		Incompatible materials:	Oxidizing agents
		Hazardous decomposition	Hydrogen bromide
		products:	

11.	Toxicological	Acute toxicity:	ipr-mus LD50:1030 mg/kg
	information		orl-rat LD50:3070 mg/kg
		Skin corrosion/irritation:	No data available
		Serious eye damage/irritation:	No data available
		Germ cell mutagenicity:	cyt-rat-ask 200 mg/kg
		Carcinogenicity:	
		larc =	No data available
		Ntp =	No data available
		Reproductive toxicity:	No data available
12.	Ecological	Ecotoxicity:	
	information	· Fish:	No data available
		· Crustacea:	No data available
		· Algae:	No data available
		Persistence / degradability:	No data available
		Bioaccumulative potential(bcf):	No data available
		Mobility in soil	
		· Log pow:	
		 Soil adsorption (koc): 	No data available
		• Henry's law constant	No data available
		(pam3/mol):	No data available
13.	Disposal	Recycle to process, if possible. Consult your local regional authorities. You may be	
	considerations	able to dissolve or mix material with a combustible solvent and burn in a chemical	
		incinerator equipped with an afterburner and scrubber system.	
		Observe all federal, state and local regulations when disposing of the substance.	
14.	Transport	Hazards class:	Does not correspond to the classification standard
	information		of the United Nations
		Un-no:	Not listed
15.	Japanese	Encs:	Substance excepted from notification
	regulatory		
	information		
16.	Other information		

- This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority.
- Some new information or amendments may be added later. If you have any questions, please feel free to contact us.
- The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those

who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.