

## 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: Company: Address:  Responsible department:  Telephone: Fax:	Potassium Bromide Shimadzu Corporation 1, Nishinokyo-Kuwabaraco, Nakagyo-ku, Kyoto 604-8511 JAPAN Spectroscopy Business Unit, Analytical & Measuring Instrument Div. +81-75-823-1203 +81-75-823-4614
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<p>2. Hazards identification</p>	<p>Classification of the substance or mixture</p> <p>Physical hazards:</p> <p>Health hazards</p> <ul style="list-style-type: none"> <li>· Acute toxicity (oral):</li> </ul> <p>Environmental hazards:</p> <p>Label elements</p> <ul style="list-style-type: none"> <li>· Pictograms or hazard symbols:</li> <li>· Signal word:</li> <li>· Hazard statements:</li> <li>· Precautionary statements:</li> </ul> <p>[response]</p>	<p>Not classified</p> <p>Category 5</p> <p>Not classified</p> <p>None</p> <p>Warning</p> <p>May be harmful if swallowed</p> <p>Call a POISON CENTER or doctor/physician if you feel unwell.</p>
<p>3. Composition/ information on ingredients</p>	<p>Substance/mixture:</p> <p>Components:</p> <p>Percent:</p> <p>Cas number:</p> <p>Chemical formula:</p> <p>Notice through official gazettes reference number</p> <ul style="list-style-type: none"> <li>· Encs:</li> <li>· Ishl:</li> </ul>	<p>Substance</p> <p>Potassium Bromide</p> <p>&gt;99.0%(T)</p> <p>7758-02-3</p> <p>KBr</p> <p>(1)-108</p> <p>Official announcement chemistry substance.</p>
<p>4. First-aid measures</p>	<p>Inhalation:</p> <p>Skin contact:</p> <p>Eye contact:</p> <p>Ingestion:</p> <p>Protection of first-aiders:</p>	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.</p> <p>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.</p> <p>Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.</p> <p>A rescuer should wear personal protective equipment, such as rubber gloves and airtight goggles.</p>

<p>5. Fire-fighting measures</p>	<p>Suitable extinguishing media: Specific hazards arising from the chemical:</p> <p>Precautions for firefighters:</p> <p>Special protective equipment for firefighters:</p>	<p>Dry chemical, foam, water spray, carbon dioxide. Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment.</p>
<p>6. Accidental release measures</p>	<p>Personal precautions, protective equipment and emergency procedures:</p> <p>Environmental precautions:</p> <p>Methods and materials for containment and cleaning up:</p>	<p>Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc. Environmental precautions: Prevent product from entering drains. Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.</p>
<p>7. Handling and storage</p>	<p><u>Precautions for safe handling</u></p> <p>Technical measures:</p> <p>Advice on safe handling: <u>Conditions for safe storage, including any incompatibilities</u></p> <p>Storage conditions:</p> <p>Packaging material:</p>	<p>Handling is performed in a well ventilated 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. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Store in a cool and dark place. Store under inert gas. Protect from moisture. Store away from incompatible materials such as oxidizing agents. Hygroscopic Comply with laws.</p>

<p>8. Exposure controls / personal protection</p>	<p>Engineering controls:</p> <p>Control parameters:</p> <p>Personal protective equipment</p> <ul style="list-style-type: none"> <li>· Respiratory protection:</li> <li>· Hand protection:</li> <li>· Eye protection:</li> <li>· Skin and body protection:</li> </ul>	<p>Install a closed system or local exhaust as possible so that workers should not be exposed directly.</p> <p>Also install safety shower and eye bath.</p> <p>Not set up</p> <p>Dust respirator. Follow local and national regulations.</p> <p>Protective gloves.</p> <p>Safety glasses. A face-shield, if the situation requires.</p> <p>Protective clothing. Protective boots, if the situation requires.</p>
<p>9. Physical and chemical properties</p>	<p>Physical state (20°C):</p> <p>Form:</p> <p>Color:</p> <p>Odor:</p> <p>Ph:</p> <p>Melting point/freezing point:</p> <p>Boiling point/range:</p> <p>Flash point:</p> <p>Flammability or explosive limits:</p> <p>Lower:</p> <p>Upper:</p> <p>Vapor pressure:</p> <p>Relative density:</p> <p>Solubility(ies):</p> <p>[water]</p> <p>[other solvents]</p> <p>Soluble:</p> <p>Very slightly soluble:</p>	<p>Solid</p> <p>Crystal- Powder</p> <p>Clear (crystal) or White (powder)</p> <p>Odorless</p> <p>5.0 - 8.0 (50g/L 25°C)</p> <p>730°C</p> <p>No data available</p> <p>0.1kPa/795°C</p> <p>No data available</p> <p>Very soluble</p> <p>Glycerol</p> <p>Very slightly</p> <p>Ether, Alcohols</p>
<p>10. Stability and reactivity</p>	<p>Chemical stability:</p> <p>Possibility of hazardous reactions:</p> <p>Incompatible materials:</p> <p>Hazardous decomposition products:</p>	<p>Stable under proper conditions.</p> <p>No special reactivity has been reported.</p> <p>Oxidizing agents</p> <p>Hydrogen bromide</p>

11. Toxicological information	Acute toxicity:  Skin corrosion/irritation: Serious eye damage/irritation: Germ cell mutagenicity: Carcinogenicity: Iarc = Ntp = Reproductive toxicity:	ipr-mus LD50:1030 mg/kg orl-rat LD50:3070 mg/kg  No data available No data available cyt-rat-ask 200 mg/kg  No data available No data available No data available
12. Ecological information	Ecotoxicity: · Fish: · Crustacea: · Algae: Persistence / degradability: Bioaccumulative potential(bcf): Mobility in soil · Log pow: · Soil adsorption (koc): · Henry's law constant (pam3/mol):	No data available No data available No data available No data available No data available  No data available No data available No data available
13. Disposal considerations	Recycle to process, if possible. Consult your local regional authorities. You may be 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 information	Hazards class:  Un-no:	Does not correspond to the classification standard of the United Nations  Not listed
15. Japanese regulatory information	Encs:	Substance excepted from notification
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.