

## LTS Research Laboratories, Inc. Safety Data Sheet Indium (III) bromide

1. Product and Company Identification		
Trade Name:	Indium (III) bromide	
Chemical Formula:	InBr <sub>3</sub>	
Recommended Use:	Scientific research and development	
Manufacturer/Supplier:	LTS Research Laboratories, Inc.	
Street:	37 Ramland Road	
City:	Orangeburg	
State:	New York	
Zip Code:	10962	
Country:	USA	
Tel #:	855-587-2436 / 855-lts-chem	
24-Hour Emergency Contact:	800-424-9300 (US & Canada)	
	+1-703-527-3887 (International)	
	2. Hazards Identification	
Signal Word:	Warning	
Hazard Statements:	H315: Causes skin irritation	
Hazard Statements:	H319: Causes serious eye irritation	
	H335: May cause respiratory irritation	
Precautionary Statements:	P261: Avoid breathing dust/fume/gas/mist/vapors/spray	
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3. Composition		
Chemical Family:	Ceramic	
Additional Names:	Indium tribromide	
Indium (III) bromide (InBr <sub>3</sub> ):		
Percentage:	100 wt%	
CAS #:	13465-09-3	
EC #:	236-692-8	
	4. First Aid Procedures	
General Treatment:	Seek medical attention if symptoms persist.	
Special Treatment:	None	
Important Symptoms:	None	
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult.	
	Keep patient warm. Seek immediate medical attention.	
Ingestion:	Seek immediate medical attention.	
Skin:	Immediately wash affected area with mild soap and water. Remove any	
	contaminated clothing. Seek immediate medical attention.	
Eyes:	Flush eyes with water, blinking often for several minutes. Remove	
-	contact lenses if present and easy to do. Continue rinsing. Seek	
	immediate medical attention.	
	5. Firefighting Measures	
	Non-flammable	
	Research	
Extinguishing Media:	No special restrictions – use suitable extinguishing agent for	
	surrounding material and type of fire.	
Spec. Fire Fighting Procedure:	Use full-face, self-contained breathing apparatus with full protective	
	clothing to prevent contact with skin and eyes. See section 10 for	
	decomposition products.	
	6. Accidental Release Measures	
If Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in	
	special protection information. Keep unprotected persons away. Isolate	
	spill area and provide ventilation. Vacuum up spill using a high	
	efficiency particulate absolute (HEPA) air filter and place in a closed	
	container for disposal. Take care not to raise dust.	
Environmental Precautions:	Isolate runoff to prevent environmental pollution.	
	7. Handling and Storage	
Handling Conditions:	Handle under dry protective gas. Avoid contact with skin and eye.	
Storege Conditioner	Wash thoroughly after handling.	
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store away from	
	oxidizing agents, water/moisture. Store under dry inert gas. This	
	product is hygroscopic. Protect from humidity and water. Store apart	
	from materials and conditions listed in section 10.	
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before	
	eating and smoking. Do not blow dust off clothing or skin with	
	compressed air.	
Ventilation:	Provide sufficient ventilation to maintain concentration at or below threshold limit.	

8. Exposure Controls and Personal Protection		
Permissible Exposure Limits:	N/A	
Threshold Limit Value:	$0.1 \text{ mg/m}^3$ as In, long-term value	
Special Equipment:	Properly operating chemical fume hood designed for hazardous	
I I I I	chemicals and having an average face velocity of at least 100 feet pe	
	minute	
Respiratory Protection:	Dust Respirator	
Protective Gloves:	Rubber gloves	
Eye Protection:	Safety glasses or goggles	
Body Protection:	Protective work clothing. Wear close-toed shoes and long	
	sleeves/pants.	
9.1	Physical and Chemical Characteristics	
Color	Light grey	
Form:	Powder	
Odor:	Odorless	
Water Solubility:	Soluble	
Boiling Point:	656°C – lit	
Melting Point:	436°C	
Flash Point:	N/A	
Autoignition Temperature:	N/A	
Density:	4.74 g/cc	
Molecular weight:	354.53 g/mol	
	10. Reactivity	
Stability:	Stable under recommended storage conditions	
Reacts With:	Oxidizing agents, water/moisture	
Incompatible Conditions:	Water/moisture	
Hazardous Decomposition Products:	Metal oxide fume, hydrogen bromide, indium/indium oxides	
	11. Toxicological Information	
Potential Health Effects:		
Eyes:	Causes serious eye irritation	
Skin:	Causes skin irritation	
Ingestion:	May cause irritation	
Inhalation:	May cause respiratory irritation	
Chronic:	N/A	
Signs & Symptoms:	N/A	
Aggravated Medical Conditions:	N/A	
Median Lethal Dose:	N/A	
Carcinogen:	<ul><li>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</li><li>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</li></ul>	
	OSHA: No component of this product present at levels greater than of equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	

	12. Ecological Information
Aquatic Toxicity:	N/A
Persistent Bioaccumulation Toxicity:	N/A
Very Persistent, Very Bioaccumulative:	N/A
Notes:	Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Do not allow material to be released to the environment without proper governmental permits.
	Avoid transfer into the environment 13. Disposal Considerations
Dispose of in accordance with local, state,	•
	14 Transportation Data

	14. Transportation Data
Hazardous:	Not hazardous for transportation.
Hazard Class:	N/A
Packing Group:	N/A
UN Number:	N/A
Proper Shipping Name:	N/A
	15. Regulatory Information
Sec 302 Extremely Hazardous:	No
Sec 304 Reportable Quantities:	N/A
Sec 313 Toxic Chemicals:	No Respect
	16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

Document Last Revised:

03/19/2019