

LTS Research Laboratories, Inc. Safety Data Sheet Barium bromide

1. Product and Company Identification		
Trade Name:	Barium bromide	
Chemical Formula:	BaBr ₂	
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	
	research	
Hazard Statements:	H302+H332: Harmful if swallowed or if inhaled.	
Precautionary Statements:	P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.	
	P264: Wash skin thoroughly after handling.	
	P270: Do not eat, drink or smoke when using this product.	
	P271: Use only outdoors or in a well-ventilated area.	
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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	
Flammability:	Non-flammable	
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	
spee. The Fighting Fibeeduie.	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 the eyes and skin. Wash thoroughly after handling.	
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store under dry	
Storage Contaitons.	inert gas. Store in the dark. Store away from water/moisture, oxidizing agents. This product is hygroscopic. Protect from humidity and water. Protect from exposure to light. 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	

8. Exposure Controls and Personal Protection		
Permissible Exposure Limits:	0.5 mg/m ³ as Ba, long-term value	
Threshold Limit Value:	0.5 mg/m^3 as Ba, long-term value	
Special Equipment:	Properly operating chemical fume hood designed for hazardous	
	chemicals and having an average face velocity of at least 100 feet per	
	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.	Physical and Chemical Characteristics	
Color	N/A	
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts	
Odor:	Odorless	
Water Solubility:	1510 g/l (at 20 °C)	
Boiling Point:	N/A	
Melting Point:	850 °C	
Flash Point:	N/A	
Autoignition Temperature:	N/A	
Density:	4.78 g/cc	
Molecular weight:	297.14 g/mol	
	10. Reactivity	
Stability:	Stable under recommended storage conditions	
Reacts With:	Oxidizing agents, water/moisture, acids	
Incompatible Conditions:	Light, water/moisture	
Hazardous Decomposition Products:	Metal oxide fume, Hydrogen bromide gas, Barium oxide	
	11. Toxicological Information	
Potential Health Effects:		
Eyes:	May cause irritation	
Skin:	May cause irritation	
Ingestion:	Harmful if swallowed	
Inhalation:	Harmful if inhaled	
Chronic:	N/A	
Signs & Symptoms:	Stomach - Irregularities - Based on Human Evidence	
Aggravated Medical Conditions:	N/A	
Median Lethal Dose:	N/A	
Carcinogen:	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.	
	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.	
	OSHA: No component of this product present at levels greater than a equal to 0.1% is on OSHA's list of regulated carcinogens.	

	12. Ecological Information
Aquatic Toxicity:	N/A
Persistent Bioaccumulation Toxicity:	N/A
Very Persistent, Very Bioaccumulative:	N/A
Notes:	Do not allow material to be released to the environment without prope
	governmental permits.
	Do not allow undiluted product or large quantities to reach ground
	water, water course or sewage system. Avoid transfer into the environment.
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	13. Disposal Considerations
Dispose of in accordance with local, state,	national, and international regulations.
	14. Transportation Data
Hazardous:	Hazardous for transportation.
	Toxic 6
Hazard Class:	6.1 Toxic substances
Packing Group:	m
UN Number:	UN1564 - Research
Proper Shipping Name:	Barium compounds, n.o.s. (Barium bromide)
	15. Regulatory Information
Sec 302 Extremely Hazardous:	No
Sec 304 Reportable Quantities:	N/A
· · · · · · · · · · · · · · · · · · ·	Yes
Sec 313 Toxic Chemicals:	

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.

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09/28/2018