Heegermaterials	Heeger Materials Inc. Safety Data Sheet Barium Nitride
	1. Product and Company Identification
Trade Name:	Barium nitride
Chemical Formula: Recommended Use:	Ba ₃ N ₂ Scientific research and development
Manufacturer/Supplier:	Heeger Materials Inc.
Street:	230 Steele St Denver
State: Country:	CO 80206 United States
Tel #:	855-587-2436 / 855-lts-chem
24-Hour Emergency Contact:	800-424-9300 (US & Canada)
	+1-703-527-3887 (International)
N	2. Hazards Identification
Signal Word:	Danger
Hazard Statements:	H300 Fatal if swallowed. H315 Causes skin irritation.
	H319 Causes serious eye irritation. H335 May cause respiratory irritation
Precautionary Statements:	 P261 Avoid breathing dust/fume/vapor 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. P280 Wear protective gloves/ eye protection/ face protection. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P362 Take off contaminated clothing and wash before reuse. P405 Store locked up. P501 Dispose of contents/ container to an approved waste disposal plant.
HMIS Health Ratings (0-4):	
Health:	3
Flammability:	4

3. Composition		
Chemical Family:	Salt	
Additional Names:	Tribarium dinitride	
Barium nitride (Ba ₃ N ₂):		
Percentage:	100 wt%	
CAS #:	12047-79-9	
EC #:	234-977-1	
	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.	
Ingestion:	Rinse mouth with water. Never give anything by mouth to an	
~	unconscious person.	
Skin:	Wash affected area with mild soap and water. Remove any	
E	contaminated clothing.	
Eyes:	Flush eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Continue rinsing	
100	contact lenses if present and easy to do. Continue finsing	
	5. Firefighting Measures	
Flammability:	Non-flammable	
Extinguishing Media:	No special restrictions – use suitable extinguishing agent for	
6	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. 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.	
Environmental Pressutions	Take care not to raise dust.	
Environmental Precautions:	Isolate runoff to prevent environmental pollution.	
	7. Handling and Storage	
Handling Conditions:	Wash thoroughly after handling.	
Storage Conditions:	Store in a cool dry place in a tightly sealed container. 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:	N/A		
Special Equipment:	None		
Respiratory Protection:	Use a respirator with type P100 (USA) or P3 (EN143) cartridges as a		
1	backup to engineering controls. Risk assessment should be performed		
	to determine if air-purifying respirators are appropriate. Only use		
	equipment tested and approved under appropriate government		
	standards.		
Protective Gloves:	Rubber gloves		
Eye Protection:	Safety glasses or goggles		
Body Protection:	Protective work clothing. Wear close-toed shoes and long		
5	sleeves/pants.		
9. F	Physical and Chemical Characteristics		
Color	Dark yellow		
Form:	Powder		
Odor:	Odorless		
Water Solubility:	soluble		
Boiling Point:	N/A		
Melting Point:	N/A		
Flash Point:	N/A		
Autoignition Temperature:	N/A		
Density:	4.783 g/cc		
Molecular weight:	440.0 g/mol		
	10. Reactivity		
Stability:	Stable under recommended storage conditions		
Reacts With:	Water, Oxidizing agents		
Incompatible Conditions:	Water/moisture		
Hazardous Decomposition Products:	Ammonia, Nitrogen oxides, Barium oxide		
	11. Toxicological Information		
Potential Health Effects: Eyes:	May cause irritation		
Skin:	May cause irritation		
Ingestion:	May cause irritation		
Inhalation:	May cause irritation		
Chronic:	N/A		
chiene.			
Signs & Symptoms:	N/A		
Aggravated Medical Conditions:	N/A		
Median Lethal Dose:	46.1 mg/kg for rat by mouth		
Carcinogen:	N/A		
	12. Ecological Information		
Aquatic Toxicity:	Low		
Persistent Bioaccumulation Toxicity:	No		
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Very Persistent, Very Bioaccumulative:	No		

Disposal Considerations	l Considera	oosal (Dis	13.
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Hazardous for transportation.
DANGEROUS RP
4.3 Substances which, in contact with water, release flammable gas
Ι
UN2813
Water-reactive solid, n.o.s. (Barium nitride)
15. Regulatory Information
No
N/A
Yes
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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 red n. ins regarding ... mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

Document Last Revised:

06/16/2019