Heeger Materials Inc. Safety Data Sheet Boron Nitride

1. Product and Company Identification

Trade Name: Chemical Formula: Recommended Use:

Manufacturer/Supplier: Street: City: State: Zip Code: Country: Tel #: Boron nitride BN Scientific research and development

Heeger Materials Inc. 230 Steele St Denver CO 80206 USA 925-385-8104

24-Hour Emergency Contact:

2. Hazards Identification

800-424-9300 (US & Canada) +1-703-527-3887 (International)

Chemical Family: Additional Names:

Boron nitride (BN): Percentage: CAS #: Ceramic None

100 wt% 10043-11-5

Hazard Statements: H319 Causes serious eye irritation. H335: May cause respiratory irritation Precautionary Statements: P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/ protection P305:P331 FIN EYES: Rinse cautionally with water for s minutes. Remove contact lenses, if present and casy to do. Contir rinsing. P204:P340. IF INHALED: Remove victim to fresh air and keep- in a position comfortable for breathing P404:Store locked up P501: Dispose of contents/container in accordance with local/regional/national/international regulations HMIS Health Ratings (0-4): Health: I I Flammability: 0 Physical J 3. Composition 4. First Aid Procedures General Treatment: None Inportant Symptoms: None Inhalation: Remove victim to fresh air. Supply oxygen if breathing is difficul logestion: Seek Medical Attention. Seek Medical Attention. Skin: Wash affected area with mild soap and water. Remove any contaminated clothing. Eyes: Filsh eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Continue rinsing 5. Firefighting Measures Filammability: Flammability: No special restrictions – use suitable extinguishing agent for surrounding material and type of fire. Spec. Fire Fighting Procedure:	EC #:	233-136-6	Signal Word:	Warning
H335: May cause respiratory irritation Precautionary Statements: P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/ protection P305+P351+P338 IF IN EYES: Rinse cautiously with water for s minutes. Remove contact lenses, if present and easy to do. Contir rinsing. P305+P340: IF INHALED: Remove victim to fresh air and keep. in a position comfortable for breathing P405: Store locked up P501: Dispose of contents/container in accordance with local/regional/national/international regulations HMIS Health Ratings (0-4): Health: Flammability: 0 Physicat 1 Seek medical attention if symptoms persist. Special Treatment: None None Inhalation: Remove victim to fresh air. Supply oxygen if breathing is difficul logestion: Seek Medical Attention. Skin: Wash affected area with mild scop and water. Remove any contaminated clothing. Eyes: Flush eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Contine rinsing 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 agent for decomposition products.		,	<!--</b-->>	
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Spec. Fire Fighting Procedure:surrounding material and type of fire.Use full-face, self-contained breathing apparatus with full protect clothing to prevent contact with skin and eyes. See section 10 for decomposition products.	Flammability:	Non-flamma	ble	
Spec. Fire Fighting Procedure: Use full-face, self-contained breathing apparatus with full protect clothing to prevent contact with skin and eyes. See section 10 for decomposition products.	Extinguishing Media:			
6. Accidental Release Measures	Spec. Fire Fighting Procedure:	Use full-face clothing to pr	, self-contained brevent contact with	eathing apparatus with full protective
		6. Accidental R	elease 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. 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. Ex	xposure Controls and Personal Protection			
Permissible Exposure Limits:	N/A			
Threshold Limit Value:	N/A			
Special Equipment:	None			
Respiratory Protection:	Use a respirator with type N95 (USA) or PE (EN 143) cartridges as a			
	backup to engineering controls. Risk assessment should be performed			
	to determine if purifying respirators are appropriate. Only use			
	equipment tested and approved under appropriate government			
	standards.			
Protective Gloves: Eye Protection:	Nitrile rubber, NBR 0.11mm thick			
	Safety glasses or goggles			
Body Protection:	Protective work clothing. Wear close-toed shoes and long sleeves/pants.			
9.	Physical and Chemical Characteristics			
Color	White			
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts			
Odor:	Odorless			
Water Solubility:	Insoluble			
Boiling Point:	N/A			
Melting Point:	N/A			
Flash Point:	N/A			
Autoignition Temperature:	N/A			
Density:	N/A			
Molecular weight:	24.82 g/mol			
	10. Reactivity			
Stability:	Stable under recommended storage conditions			
Reacts With:	Oxidizing agents			
Incompatible Conditions:	None			
Hazardous Decomposition Products:	Nitrogen oxides, Boron oxide			
	11. Toxicological Information			
Potential Health Effects:				
Eyes:	Causes serious eye damage			
Skin:	May cause irritation			

Ingestion:	May cause irritation			
Inhalation: Chronic:	May cause irritation N/A			
Signs & Symptoms: Aggravated Medical Conditions:	N/A N/A			
Median Lethal Dose:	N/A			
Carcinogen:	EPA-I: Data are inadequate for an assessment of human carcinogenic potential.			
	12. Ecological Information			
Aquatic Toxicity:	Low			
Persistent Bioaccumulation Toxicity:	rsistent Bioaccumulation Toxicity: No			
Very Persistent, Very Bioaccumulative: N/A	No Notes:			
	13. Disposal Considerations			
Dispose of in accordance with local, stat	e, national, and international regulations.			
	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			
	N/A N/A 15. Regulatory Information N/A No			
Sec 302 Extremely Hazardous: No				
Sec 304 Reportable Quantities:	N/A			
Sec 313 Toxic Chemicals:	No			
	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:

07/08/2015