Heegermaterials

Heegermaterials	Heeger Materials Inc. Safety Data Sheet Aluminum Diboride
	1. Product and Company Identification
Trade Name: Chemical Formula: Recommended Use:	Aluminum Diboride AlB ₂ Scientific research and development
Manufacturer/Supplier:	Heeger Materials Inc.
Address:	230 Steele St Denver CO 80206 United States
Tel #:	+925-385-8104
24-Hour Emergency Contact:	800-424-9300 (US & Canada) +1-703-527-3887 (International)
	2. Hazards Identification
Signal Word:	None
Hazard Statements:	None
Precautionary Statements:	None
HMIS Health Ratings (0-4): Health: Flammability: Physical:	None 0 0 0 3 Composition
	3. Composition
Chemical Family: Additional Names:	Ceramic Aluminum Boride
Aluminum Diboride (AlB ₂): Percentage: CAS #: EC #:	100 wt% 12041-50-8 234-923-7
	4. First Aid Procedures
General Treatment: Special Treatment: Important Symptoms:	Seek medical attention if symptoms persist. None None
Inhalation: Ingestion:	Remove victim to fresh air. Supply oxygen if breathing is difficult. Never induce vomiting or give anything by mouth to an unconscious person.
Skin: Eyes:	Wash affected area with mild soap and water. Remove any contaminated clothing. Flush eyes with water, blinking often for several minutes. Remove
	contact lenses if present and easy to do. Continue 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 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 Take care not to raise dust.
Environmental Precautions:	Isolate runoff to prevent environmental pollution. Do not let product enter drains.
7	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 fron materials and conditions listed in section 10.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before
86	eating and smoking. Do not blow dust off clothing or skin with
Ventilation:	compressed air. 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 N/A
Special Equipment:	None
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: Watar Salahilitan	Odorless
Water Solubility: Boiling Point:	Insoluble N/A
Melting Point:	N/A N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Density:	N/A 48.60 g/mol
Molecular weight:	

	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Oxidizing agents, Acids
Incompatible Conditions:	None
Hazardous Decomposition Products:	Borane Oxides, Boron Oxide, Aluminum Oxide, Metal oxide fume
	11. Toxicological Information
Potential Health Effects:	
Eyes:	N/A
Skin:	N/A
Ingestion:	N/A
Inhalation:	N/A
Chronic:	N/A
Signs & Symptoms:	N/A
Aggravated Medical Conditions:	N/A
Median Lethal Dose:	N/A
Median Lethal Dose: 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. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. 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 or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
	12. Ecological Information
Aquatic Toxicity:	N/A
Persistent Bioaccumulation Toxicity:	No
Very Persistent, Very Bioaccumulative:	No

13. Disposal Considerations

Dispose of in accordance with local, state, national, and international regulations.

N/A

Notes:

	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	

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.

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Heeger Materials Inc.