Heeger Materials Inc. Safety Data Sheet Chromium Boride

	1. Product and Company Identification
Trade Name:	Chromium boride
Chemical Formula:	CrB_2
Recommended Use:	Scientific research and development
Manufacturer/Supplier:	Heeger Materials Inc.
Street:	230 Steele St
City:	Denver
State:	CO
Zip Code:	80206
Country:	USA
Tel #:	925-385-8104
24-Hour Emergency Contact:	800-424-9300 (US & Canada)
	+1-703-527-3887 (International)
Ha	2. Hazards Identification
Signal Word:	None
Hazard Statements:	None
Precautionary Statements:	None
Trecautionary Statements.	None
HMIS Health Ratings (0-4):	
Health:	
Flammability:	
Physical:	0
	3 Composition
Chemical Family: Cera Chromium diboride	amic Additional Names:
Chromium diboride Chromium boride (CrB ₂):	None None 1 0 3. Composition amic Additional Names: % CAS #: 12007-16-8 234-499-3
Chromium diboride Chromium boride (CrB ₂): Percentage: 0-100 wt	% CAS #: 12007-16-8
Chromium diboride Chromium boride (CrB ₂): Percentage: 0-100 wt	% CAS #: 12007-16-8 234-499-3 4. First Aid Procedures
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Chromium diboride Chromium boride (CrB ₂): Percentage: 0-100 wt% EC #: General Treatment: Special Treatment: Important Symptoms:	% CAS #: 12007-16-8 234-499-3 4. First Aid Procedures Seek medical attention if symptoms persist. None None
Chromium diboride Chromium boride (CrB ₂): Percentage: 0-100 wt9 EC #: General Treatment: Special Treatment: Important Symptoms: Inhalation:	% CAS #: 12007-16-8 234-499-3 4. First Aid Procedures Seek medical attention if symptoms persist. None None Remove victim to fresh air. Supply oxygen if breathing is difficult.
Chromium diboride Chromium boride (CrB ₂): Percentage: 0-100 wt% EC #: General Treatment: Special Treatment: Important Symptoms:	% CAS #: 12007-16-8 234-499-3 4. First Aid Procedures Seek medical attention if symptoms persist. None None

Eyes:	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
Spec. Fire Fighting Procedure:	surrounding material and type of fire. 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
protection information. Isolate spill a	Wear appropriate respiratory and protective equipment specified in special area and provide ventilation. Vacuum up spill using a high efficiency particulate in a closed container for disposal. Take care not to raise dust. Isolate runoff to prevent environmental pollution.
Me	7. Handling and Storage
Handling Conditions: Storage Conditions:	Wash thoroughly after handling. 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.
	. Exposure Controls and Personal Protection
Threshold Limit Value: Special Equipment:	0.5 mg/m ³ as Cr, long-term value 0.5 mg/m ³ as Cr, long-term value None
Respiratory Protection: Protective Gloves:	Dust Respirator Rubber gloves
Eye Protection: Body Protection:	Safety glasses or goggles Protective work clothing. Wear close-toed shoes and long sleeves/pants.
	9. Physical and Chemical Characteristics
Color	Grey
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:	N/A
	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Oxidizing agents
Incompatible Conditions: Non Products: Toxic metal oxide fume	e Hazardous Decomposition
	11. Toxicological Information
Potential Health Effects:	
Eyes:	May cause irritation
Skin:	May cause irritation
Ingestion:	May cause irritation
Inhalation:	May cause irritation
Inhalation: Chronic:	Chromium powder, chromium (II) and chromium (III) compounds may cause nausea, diarrhea, vomiting, skin and eye irritation and pneumoconiosis. Although less likely than Cr (VI) compounds, the NTP considers all chromium to be potentially carcinogenic. Boron affects the central nervous system. Boron poisoning causes depression of the circulation, persistent vomiting and diarrhea, followed my profound shock and coma. The temperature may become subnormal and a scarletina form rash may cover the entire body
Signs & Symptoms: N/A Aggravate N/A	become subnormal and a scarletina form rash may cover the entire body ed Medical Conditions:

Sec 313 Toxic Chemicals:	Yes Median Lethal Dose: N/A
Carcinogen:	N/A
	12. Ecological Information
Aquatic Toxicity: Persistent Bioaccumulation Toxicity Very Persistent, Very Bioaccumulati N/A	
	13. Disposal Considerations
Dispose of in accordance with local	, state, national, and international regulations.
>	14. Transportation Data
Hazardous: Hazard Class: Packing Group: UN Number: Proper Shipping Name:	Not hazardous for transportation. N/A N/A N/A N/A
	15. Regulatory Information
	16. Other Information ad in conjunction with technical sheets. It does not replace them. The information this product, at the time of publication. It is given in good faith. The attention of

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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