

June 18, 2007

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification:

Product Name: HTLB
 Manufacturer: AUDEC CORPORATION
 No.7 Shimokawa Bldg., 19-10 Higashimagome
 2-Chome, Ota-ku, Tokyo, Japan 143-0022
 Emergency Phone: 03-5718-7425
 Fax Phone: 03-5718-7426

2. Composition/Information on Ingredients

(See Section 8 for exposure guidelines)

<u>Component</u>	<u>% By Weight</u>	<u>CAS Number</u>
Boron Nitride	25	10043-11-5
Water	73	7732-18-5
Magnesium Silicate	2	9004-62-0

3. Hazardous Identification

Nearly odorless white non-flammable water-based paste/paint of Boron Nitride.
 Neutral PH. Slippery, can cause falls if walked on.
 Inhalation of paint mist is irritating to respiratory tract.

Primary routes of Exposure: Inhalation and contact to the eyes.

Target Organs: Eyes, skin and respiratory system.

Eye: Foreign material irritation.

Skin Contact: Possible mild skin irritation.

Skin Absorption: N/A

Ingestion: Irritation to gastrointestinal tract.

Inhalation: Irritation to upper respiratory system.

Acute Effects: Mists from the product is irritating to the upper respiratory system.

Chronic Effects: Excessive inhalation of dust above TLV of dried materials over long periods of time may cause industrial bronchitis, reduced breathing capacity and lead to increased susceptibility to lung disease.

Carcinogenicity: Not Carcinogenic.

4. First Aid Measures

Eyes: Flush eyes, including under the eyelids, with large amount of water. If irritation persist, seek medical Attention.

Skin: Wash thoroughly with mild soap and water.

Ingestion: Give copious amount of water or preferably milk and seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention if symptoms persist.

5. Fire Fighting Measures

General Overview: This water-based refractory coating is non-combustible. Use extinguishing media appropriate to the surrounding fire.

Flash Point:	N/A
Method used:	N/A
Flammable Limits LFL:	N/A UFL:N/A
Unusual Fire &	
Explosive Hazards:	N/A
Fire Fighting Equipment:	N/A
Additional Notes:	N/A

6. Accidental Release Measures

Contain the spill and dispose in accordance with local, State and federal regulations.

7. Handling and storage

Store in original container. Boron nitride is slippery and is a slip hazard on walkways. Practice good housekeeping. Note Exposure Controls and Personal Protection (Section 8) before using.

8. Exposure Control/Personal Protection

<u>Ingredient</u>	<u>CAS Number</u>	<u>Exposure Limit</u>
Boron Nitride	10043-11-5	None Established (treat as a nuisance dust); Total dust 10mg/m ³ .
Magnesium Silicate	9004-62-0	Treat as Nuisance Dust. Total dust 10mg/m ³ , respirable 5mg/m ³

The TLV:TWA calculated for dust generated from the dried product is 10mg/m³ for total dust 5mg/m³ for respirable dust. The TLV:TWA for dust generated from this mixture is calculated using the general formula given in ACGIH adopted Appendix C, Subpart A2, threshold limit values for mixtures of mineral dust.

Spray Applications: For spray application use a NIOSH/MSHA approved respirator, goggles, and protective clothing.

Ventilation: Provide adequate general ventilation and local ventilation to control mist/dust below the TLV.

Personal Protection: Glasses, gloves and long sleeve clothing.

9. Physical and Chemical Properties

Appearance:	White slurry paint/paste	Odor:	Nearly Odorless
Physical State:	Liquid	pH:	7
Vapor Pressure:	Approx. 10-20mmHg	Boiling Point:	100°C
Vapor density :	Less than air(Air=1)	Freezing Point:	-1.1°C
Solubility in Water:	N/A	Specific Gravity:	1.40g/cc
VOC Content:	0g/l	Percent Volatile:	73%
Evaporation Rate:	About that of water		
Viscosity:	Approx. 5000-8000cps, Brookfield Spindle 4/Speed 60		

10. Stability and Reactivity

Stability: This refractory coating is stable under all normal conditions of storage. Hazardous polymerization will not occur.

Incompatibility: None known.

Hazardous Decomposition Products: None

11. Toxicological Information

Please see Section 8 for available information.

12. Disposal Considerations

Consult local, state and federal regulations for compliance. Non-contaminated paint may be returned to the manufacturer for proper disposal. The paint generally does not exhibit any characteristics of hazardous waste.

13. Transportation Information

DOT Class: Not regulated.

14. Regulatory Information

TSCA Inventory: All substances contained in this product are listed in the Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

15. Other Information

All reasonable care has been taken in the preparation of the information contained herein, the manufacturer extends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.