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Lapmaster  
International



## MATERIAL SAFETY DATA SHEET

Date: May 2007

### Section #1: PRODUCT AND COMPANY IDENTIFICATION

Lapmaster International, LLC  
501 W. Algonquin Road  
Mt. Prospect, IL 60056

Telephone: (224) 659-7101 (Office Hours 8:00 a.m. to 5:30 p.m. CST)

Product Identification: Metal Bond (MB) Diamond Abrasive Powder  
Product Name: Diamond MB Powder #LAP5-DPMB-000-00XX

### Section #2: COMPOSITION INFORMATION ON INGREDIENTS

Ingredient Information: Silicon Carbide Abrasive Powder

| Component Name | Percentage % | CAS Number | OSHA PEL | ACGIH TWA |
|----------------|--------------|------------|----------|-----------|
| Nickel         | 0.01-0.10%   | 7440-02-0  | 1mg/m3   | 1.5mg/m3  |
| Diamond        | 99.9%        |            |          |           |

### Section #3: HAZARDS INFORMATION

EMERGENCY OVERVIEW: Product spill may cause slipping hazard. Avoid Inhalation

POTENTIAL HEALTH EFFECTS:

**EYE:** May cause irritation  
**SKIN:** Slight irritant  
**INGESTION:** No known adverse effects  
**INHALATION:** Nickel can cause coughing/irritation if inhaled

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Acute exposure may cause pneumonitis & fever

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

No Data Available

**SIGNS AND SYMPTOMS OF EXPOSURE:**

Irritation of the Nasal Passages; coughing.

**CHRONIC / CARCINOGENICITY:**

|       |               |
|-------|---------------|
|       | N/A           |
| NTP:  | Not Tested    |
| OSHA: | Not Regulated |
| IARC: | Not Listed    |

**Section #4: FIRST AID MEASURES**

**EYES:** Remove Contacts – Irrigate eyes with lots of water – Seek Medical Attention  
**SKIN:** Wash with Soap and water for 15 minutes – If irritated, Seek Medical Attention  
**INGESTION:** Not Probable – If large amount swallowed – Seek Medical Attention  
**INHALATION:** Remove to fresh air if irritated/coughing. If applicable, remove victim to fresh air or apply artificial respiration

**Section #5: FIRE FIGHTING MEASURES**

**FIRE FIGHTING:** Not flammable under normal conditions  
**EXTINGUISHING MEDIA:** N/A  
**HAZARDOUS COMBUSTION PRODUCTS:** Copper Oxides may be created  
**CONDITIONS OF FLAMMABILITY:** 7,590 degrees F  
**EXPLOSION DATA:**  
**IMPACT SENSITIVITY:** N/A  
**STATIC DISCHARGE:** Sensitive under dust cloud conditions

**Section #6: ACCIDENTAL RELEASE MEASURES**

**GENERAL:** Confine spill, use local and/or federal regulations in the collecting and disposal of material.

**Section #7: HANDLING AND STORAGE**

**HANDLING:** Wear Safety Goggles, Use Protective Gloves & Respiration Equipment  
**STORAGE:** Keep containers sealed until ready for use.

**Section #8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** N/A

**PERSONAL PROTECTION:**

|                     |                                     |
|---------------------|-------------------------------------|
| <b>EYE/FACE:</b>    | Wear Safety Goggles                 |
| <b>SKIN:</b>        | Use Oil-Resistant Gloves            |
| <b>RESPIRATORY:</b> | As Needed, Approved Dust Respirator |

**Section #9: PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Solid crystal powder  
**ODOR AND APPEARANCE:** Gray/Clear/Green/Yellow Powder, No Odor  
**BOILING POINT:** 7,590 Degrees Centigrade  
**MELTING POINT:** 6,690 Degrees Centigrade  
**PH:** N/A  
**VAPOR PRESSURE (mmHg):** N/A  
**SPECIFIC GRAVITY:** 3.5  
**WATER SOLUBILITY:** Insoluble  
**% VOLATILES:** N/A  
**EVAPORATION RATE:** N/A  
**COEFFICIENT WATER/OIL:** N/A

**Section #10: STABILITY AND REACTIVITY**

**STABILITY:** Stable  
**STABILITY CONDITIONS TO AVOID:** Exposure to extreme heat or flame  
**REACTIVITY:** Inert  
**REACTIVITY CONDITIONS TO AVOID:** Inert

**Section #11: TOXICOLOGICAL INFORMATION**

**ACUTE HEALTH HAZARDS:**

**ACUTE ORAL:** Oral LD50 Rat Estimated >5g/kg  
**COMPONENTS:** Nickel

**Section #12: ECOLOGICAL INFORMATION**

**GENERAL:** No expected significant ecological problems

**Section #13: DISPOSAL INFORMATION**

**WASTE DISPOSAL:** Comply with State and/or Federal regulations  
**RCRA HAZARDOUS WASTE:** Not RCRA hazardous waste

**Section #14: TRANSPORTATION INFORMATION**

**DOT HAZARD CLASS:** Not Regulated  
**PROPER SHIPPING NAME:** Industrial Diamond Powder-Not Regulated  
**IDENTIFICATION NUMBER:** Not Regulated  
**TDGA:** Not Listed

**Section #15: REGULATORY INFORMATION**

**TSCA STATUS:** This product complies with the Chemical Substance Inventory requirements of the US EPA Toxic Substances Control Act  
**WHMIS CLASSIFICATION:** N/A

**Section #16: OTHER INFORMATION**

**HMIS Rating Information:**

Health: 1

Flammability: 0

Personal Hazard: 0

**NFPA Codes:**

Health: 1

Flammability: 0

Personal Hazard: 0

The information contained in this Material Safety Data Sheet (MSDS) document is believed to be accurate and reliable. Because it is impossible to anticipate all conditions of use, some additional safety precautions may be required. *LAPMASTER INTERNATIONAL, LLC, MAKES NO REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.* Each user should read and understand the information provided and incorporate it into their individual site safety programs as required by applicable hazard communication standards and regulations.

**ABBREVIATIONS:**

|                  |  |
|------------------|--|
| <b>ACGIG</b>     | <b>American Conference of Governmental Industrial Hygienists</b>         |
| <b>CAS</b>       | <b>Chemical Abstracts Service</b>  |
| <b>EPA</b>       | <b>Environmental Protection Agency</b>                                   |
| <b>PEL</b>       | <b>Permissible Exposure Limit</b>  |
| <b>PPE</b>       | <b>Personal Protective Equipment</b>                                     |
| <b>EPRCA 313</b> | <b>Emergency Planning &amp; Community Right-to-Know Act, Section 313</b> |
| <b>WHIMIS</b>    | <b>Canadian Workplace Hazardous Material Information System</b>          |
| <b>OSHA</b>      | <b>Occupational Health and Safety Administration</b>                     |