



# MATERIAL SAFETY DATA SHEET

MSDS #: 8785

Date of Issue: 3/08  
Date of Revision: 3/08

## SECTION 1 -- PRODUCT IDENTIFICATION

PRODUCT NAME: CNB Fiber Stone, CNB-80, CNB-120  
PRODUCT DESCRIPTION: Boron composite polishing and cutting stick  
FAMILY/CHEMICAL NAME: Boron epoxy composite  
PRODUCT USE: Mold and die polishing and cutting.  
MANUFACTURER/SUPPLIER: BORIDE Engineered Abrasives  
2615 Aero Park Drive  
Traverse City MI 49686-9101  
BEA DOCUMENT NO: 8785  
ORIGINAL ISSUE DATE: March 2008  
TELEPHONE NUMBER: 1(231) 922-2121  
24-HOUR EMERGENCY NUMBER: 1(231) 922-1959  
REVISION DATE: March 12, 2008

## SECTION 2 -- INGREDIENTS

| <u>MATERIAL</u> | <u>CAS #</u> | <u>WEIGHT %</u> | <u>TLV</u>           | <u>PEL</u>           |
|-----------------|--------------|-----------------|----------------------|----------------------|
| Boron Filament  | NA           | 60-70%          | NE                   |                      |
| Epoxy Resin     | 5026-74-4    | 30-40%          | NE                   |                      |
| Fibrous glass   | 65997-17-3   | <1%             | 10 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> |

CNB composite polishing sticks may produce nuisance dust. OSHA sets PEL (permissible exposure level) for nuisance dust at 10 mg/m<sup>3</sup> for continuous exposure. Respirable dust PEL is 5 mg/m<sup>3</sup>. NE = not established.



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### SECTION 3 -- PHYSICAL DATA

PHYSICAL STATE, APPEARANCE, AND ODOR: Solid; black. Product has no odor.

ODOR THRESHOLD: Not applicable.

DENSITY: Not available

VAPOR DENSITY: Not applicable.

BOILING POINT: Not applicable.

VAPOR PRESSURE: Not applicable.

FREEZING POINT: Not applicable.

EVAPORATION RATE: Not applicable.

PH: Not applicable.

SOLUBILITY IN WATER: None.

MOLECULAR WEIGHT: Not applicable.

VOLATILE ORGANIC COMPOUNDS: None.

### SECTION 4 -- HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: During or after use, the dust produced from use of CNB composite polishing sticks may be inhaled, ingested or come in contact with eyes.

EXPOSURE LIMITS:

Particulate not otherwise classified, use PEL of 10 mg/m<sup>3</sup> for CNB composite polishing sticks.

SIGNS AND SYMPTOMS OF EXPOSURE: No information is available on this product as a whole. The information presented is based on each of the components present.

|                         |  |
|-------------------------|--|
| EYES:                   | Dust can cause irritation, redness and eye watering. |
| SKIN:                   | May cause dermatitis or irritation from splinters.   |
| INHALATION (Breathing): | Nuisance dust may cause coughing and sneezing.       |
| INGESTION (Swallowing): | N/A  |

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Nuisance dust may aggravate pre-existing conditions.

CARCINOGENICITY: None.

EMERGENCY FIRST AID PROCEDURES:

|                         |  |
|-------------------------|--|
| EYES:                   | If irritation occurs, flush eyes with water for 15 minutes lifting upper and lower lids occasionally. Seek medical attention if irritation or pain persists. |
| SKIN:                   | Wash with water. Splinters may be difficult to remove.   |
| INHALATION (Breathing): | If symptoms of pulmonary involvement develop (coughing, sneezing, shortness of breath) remove from exposure. If condition persists seek medical attention.   |



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### SECTION 5 -- FIRE AND EXPLOSION HAZARD DATA

EMERGENCY RESPONSE GUIDE NUMBER: Not Applicable.

FLASH POINT: >300 F.

FLAMMABLE LIMITS IN AIR: Not known.

AUTOIGNITION TEMPERATURE: Not applicable.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not applicable.

FIRE FIGHTING PROCEDURES: No special requirements.

EXTINGUISHING MEDIA: Water, foam, dry chemical or CO<sub>2</sub>.

HAZARDOUS COMBUSTION PRODUCTS: Complete combustion will produce carbon dioxide and carbon monoxide.

CONDITIONS OF FLAMMABILITY: Not Available.

### SECTION 6 -- REACTIVITY DATA

STABILITY: stable, not reactive with water.

INCOMPATIBILITY (Material & Conditions to avoid): acids, bases, anhydrides, polysulfides.

HAZARDOUS POLYMERIZATION: will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub>, HCN

### SECTION 7 -- PREVENTIVE MEASURES

PRECAUTIONS FOR SAFE USE AND HANDLING:

**HANDLING PRECAUTION:** If usage conditions generate airborne dust, use in well-ventilated area and avoid breathing dust. Some individuals are sensitive to epoxy resins.

**PERSONAL HYGIENE:** Use good personal hygiene. Wash hands before eating or smoking. Do not shake clothing, rags or other items to remove dust.

**SHIPPING & STORING PRECAUTIONS:** Store below 80 F and out of direct sunlight.

**SPILL PROCEDURES:** Not applicable.

**WASTE DISPOSAL METHODS:** Dispose in accordance with federal, state, provincial and local regulations.



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### SECTION 7 -- PREVENTIVE MEASURES (cont'd)

#### CONTROL MEASURES

**EYE PROTECTION:** Goggles or safety glasses with side shields are recommended.

**PROTECTIVE GLOVES:** Cloth, leather or synthetic to prevent splinters and exposure to epoxy.

**RESPIRATORY PROTECTION:** Not normally required. Selection and use of respiratory protective equipment, if warranted, should be in accordance with OSHA General Industry Standard 29 CFR 1910.134 in the USA and with CSA Standard Z94.4-M1982 in Canada.

**ENGINEERING CONTROLS:** Provide process enclosure or local ventilation needed to maintain dust below applicable exposure limits.

**OTHER PROTECTIVE EQUIPMENT:** Hearing protection may be required if mechanical polishing devices are used with laminated composite sticks. See OSHA 29CFR 1910.95 for noise level statutory limits and hearing protection requirements.

### SECTION 8 -- OTHER REGULATORY INFORMATION

#### TRANSPORTATION INFORMATION

**DOT PROPER SHIPPING NAME:** None.

**DOT HAZARD CLASS:** None.

**DOT ID NUMBER:** None.

**SARA TITLE III:** Product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE LIST:** Not listed

**SECTION 313 TOXIC CHEMICALS LIST:** Not listed

**FEDERAL RCRA HAZARDOUS WASTE:** Not listed

**REPORTABLE QUANTITY (RQ), UNDER U.S.:** Not listed

**EPA CERCLA:** Not listed

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