

**MATERIAL SAFETY DATA SHEET**  
**SB BORON 2000**

**SB BORON CORPORATION**  
**BELLWOOD, IL 60104**

Brand Name.....SB Boron 2000  
Common Name.....Refractory Additive  
Formula.....B

State..... Fine Powder  
Melting Point:..... 2167 ° C  
Color..... Dark Brown  
Odor..... None  
Bulk Density..... 24 lb/cu foot  
Molecular Weight..... 10.8  
Water Solubility: % by weight  
@ 20 ° C, Insoluble

**Shipping Names:**

DOT.....Not Applicable  
IATA.....Not Applicable  
CAS Number.....7440-42-8

**HAZARDOUS INGREDIENTS**

None

**CHEMICAL REACTIVITY**

Amorphous boron is a fine powder which oxidizes slowly at room temperature. Therefore, it should be kept in filled, air-tight containers. If blended with oxidizing materials, it may be sensitive to heat and impact. Keep drums away from heat and humidity.

**STABILITY**

It is stable except as noted above.

**FIRE HAZARD & FIRE FIGHTING PROCEDURES**

Can be ignited by flame. To extinguish, use an inert powder that does not contain oxygen. Suitable choices included powdered graphite, soda ash, powdered sodium chloride or approved class "D" fire extinguisher. Keep drums cool. Dust can be a fire and explosion hazard.

**HEALTH HAZARDS**

Inhalation  
Eye Contact  
Skin Contact  
Ingestion

**HAZARD CLASSIFICATION**

Moderately Toxic  
Mild irritant  
Non-toxic  
Less than toxic

**EFFECTS**

Irritates mucous membranes  
Irritation.  
Absorption only if skin is damaged.  
Irritates the gastrointestinal tract and affects the central nervous system.

**EFFECTS OF OVEREXPOSURE**

Severe over exposure may cause temporary irritation or discomfort.

**WARNING PROPERTIES**

None

**TOXICITY**

Not considered to be an industrial poison.

**FIRST AID**

Inhalation  
Eye Contact  
Skin Contact  
Ingestion

**WHAT TO DO**

Obtain medical attention.  
Wash thoroughly with running water for 15 minutes. Obtain medical attention.  
wash contaminated area of body with soap and water. Get medical attention if irritation persists.  
Obtain medical attention.

**NOTE TO PHYSICIANS**

Antidote for excessive ingestion or absorption: large intravenous doses of isotonic salt solution and plasma.

**PRECAUTIONS FOR NORMAL USE**

No special precaution. Keep work area clean and encourage personal cleanliness. Avoid inhalation, direct skin contact and ingestion.

**THRESHOLD LIMIT VALUE**

Nuisance particulate level is 10mg/m<sup>3</sup> of total dust or 5mg/m<sup>3</sup> breathable dust.

**RECOMMENDED SAFETY EQUIPMENT**

Dust respirator if dust concentration is above Threshold Limit Value. Rubber or similar heavy duty material gloves. Safety glasses or goggles are necessary for full eye protection.

**STORAGE**

Keep in air-tight container. Keep away from flame, heat, and moisture. Always replace and securely close lid of drum immediately after use.

**CONTAINER DISPOSAL**

No specific procedures.

**UNUSED MATERIAL & WASTE DISPOSAL**

Bury in an approved dump.

**HANDLING SPILLS**

Sweep up material and put into closed container. Wash down area with water to sewer.

For any additional information required, Contact:

**SB BORON CORPORATION** 20 Davis Drive, Bellwood, IL 60104 (708) 547-9002 FAX (708) 544-3775

April 2003