

SB BORON CORP.
MATERIAL SAFETY DATA SHEET
SB BORON 86

Chemical Name.....Boron
Brand Name.....SB Boron 86
Common Name.....Elemental Amorphous Boron
Formula.....B

State..... Fine Powder
Melting Point:..... 2167 ° C
Color..... Dark Brown
Odor..... None
Bulk Density..... 16 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/m³ of total dust or 5mg/m³ 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) 544-9002 FAX (708) 544-3775

JAN 2004