



Hummel Croton Inc.  
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Phone: 908-754-1800  
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In Case Of Emergency Call Chemtrec®  
(U.S.) (800) 424-9300  
(International) (703) 527-3887

## Boron Powder (Amorphous) Safety Data Sheet

### 1. Product and Company

Product name: Boron Amorphous

Synonym: Boron

CAS-No.: 7740-42-8

Company: Hummel Croton Inc.  
10 Harmich Rd.  
South Plainfield, NJ 07080

Telephone: 908-754-1800  
Fax: 908-754-1815

HMIS Rating	
Health	1
Flammability	0
Reactivity	0
Personal Protection	E

Emergency telephone number

Emergency Phone #: Chemtrec US: 800-424-9300  
Chemtrec International: 703-527-3887

### 2. Hazards

GHS Classification Acute Toxicity, Oral (Category 4), H302

#### GHS Label elements

Pictogram(s)



Signal word **WARNING**

Hazard statement(s)

H302 Harmful if swallowed

Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

### 3. Composition/Ingredients

Substance

Formula: B

Molecular weight: 10.81 g/mol

CAS-No.: 7440-42-8

Material	CAS	%	OSHA	ACGIH
Boron	7440-42-8	90-92%	Not Established	Not Established
Magnesium	7439-95-4	8-10%	Not Established	Not Established

### 4. First Aid

**First Aid For Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**First Aid For Skin:** In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

**First Aid For Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**First Aid For Ingestion:** If swallowed, call a physician immediately.

### 5. Fire Data

Flammability: Non-Flammable

Flash Point: Not Applicable

Auto Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Water

Fire Fighting Procedure: Firefighters should wear self-contained breathing apparatus and prevent contact with skin and eyes.

Fire/Explosion Hazards: This material, like most materials in powder form, is capable of creating a dust explosion.

### 6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

## **7. Handling And Storage**

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly sealed container

Special Sensitivity: None.

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

## **8. Exposure Controls/Personal Protection**

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

## **9. Physical And Chemical Properties**

Physical Form: Powder

Color: Brown to black

Odor: Odorless

Molecular Weight: 10.81 g/mol

Boiling Point: Not Established

Melting/Freezing Point: ~2200°C

Solubility In Water: Insoluble

Specific Gravity: 2.25

## **10. Stability And Reactivity**

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizing agents, strong acids.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: Undetermined.

Decomposition Products: Unknown.

## **11. Toxicological Information**

RTECS Number: ED7350000

Routes Of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: LD50 Oral-Rat 650 mg/kg

Chronic Toxic Effects: This material has not been fully tested.

Acute Toxic Effects: Harmful if swallowed, inhaled or absorbed through skin. Material is irritating to mucus membranes and upper respiratory tract. May cause eye irritation. May cause nervous system disturbances.

## 12. Ecological Information

Ecotoxicity: Not available at this time.

## 13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

## 14. Transportation Information

Proper Shipping Name: Boron Powder (Amorphous)

UN Number: N/A

Class: N/A

P.G.: N/A

Label Code: N/A

## 15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.

SARA 313 Title III:

Section 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

## 16. Other Information

Prepared By: Michael Richard

Date: June 3, 2015

Reason For Issue: GHS Compliance

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