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

Emergency telephone number
Emergency Phone #: Chemtrec US: 1-800-424-9300
ChemTel International: +1-813-248-0585

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

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS</th>
<th>%</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
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<tbody>
<tr>
<td>Boron</td>
<td>7440-42-8</td>
<td>90-92%</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Magnesium</td>
<td>7439-95-4</td>
<td>8-10%</td>
<td>Not Established</td>
<td>Not Established</td>
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</tbody>
</table>

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: March 20, 2018
Reason For Issue: Emergency Contact Update

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