M K Impex Canada

MATERIAL SAFETY DATA SHEET

Date Updated: 12/06/2008

Section 1 - Product and Company Information

Product Name          BORON NITRITE POWDER,
Product Number        MK-hBN-xxx (xxx= particle size)
Company               M K Impex Canada
Address               6382 Lisgar Drive
                       Mississauga, Ontario L5N 6X1, Canada
Technical Phone:      (416)-509-4462
Fax:                  (905)-824-1259

Section 2 - Composition/Information on Ingredient

Substance Name        CAS #       SARA 313
BORON NITRITE         10043-11-5   No
Formula               BN
CAS # 10043-11-5
SARA 313
RTECS Number:         ED7800000

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Irritant.
Irritating to eyes and respiratory system.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE
In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE
In case of contact, immediately flush eyes with copious amounts
of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

FLASH POINT
N/A

AUTOIGNITION TEMP
N/A

FLAMMABILITY
N/A

EXTINGUISHING MEDIA
Suitable: Noncombustible. Use extinguishing media appropriate to surrounding fire conditions.

FIREFIGHTING
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Emits toxic fumes under fire conditions.

EXPOSURE HAZARD(S)
Material: Irritating dust.

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING
User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE
Suitable: Keep container closed. Store in a cool dry place.

SPECIAL REQUIREMENTS
Hygroscopic.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS
Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT
Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

GENERAL HYGIENE MEASURES
Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>At Temperature or Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: Cream White</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Form: Powder</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Molecular Weight</strong></td>
<td>24.82 AMU</td>
<td></td>
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<tr>
<td><strong>pH</strong></td>
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<td></td>
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<tr>
<td><strong>BP/BP Range</strong></td>
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<tr>
<td><strong>MP/MP Range</strong></td>
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<tr>
<td><strong>Freezing Point</strong></td>
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<tr>
<td><strong>Vapor Pressure</strong></td>
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<tr>
<td><strong>Vapor Density</strong></td>
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<tr>
<td><strong>Saturated Vapor Conc.</strong></td>
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<tr>
<td><strong>SG/Density</strong></td>
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<tr>
<td><strong>Bulk Density</strong></td>
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<tr>
<td><strong>Odor Threshold</strong></td>
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<tr>
<td><strong>Volatile%</strong></td>
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<tr>
<td><strong>VOC Content</strong></td>
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<tr>
<td><strong>Water Content</strong></td>
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<tr>
<td><strong>Solvent Content</strong></td>
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<td><strong>Evaporation Rate</strong></td>
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<td><strong>Viscosity</strong></td>
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<td><strong>Surface Tension</strong></td>
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<tr>
<td><strong>Partition Coefficient</strong></td>
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<tr>
<td><strong>Decomposition Temp.</strong></td>
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<tr>
<td><strong>Flash Point</strong></td>
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<td><strong>Explosion Limits</strong></td>
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<td><strong>Autoignition Temp</strong></td>
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<td><strong>Refractive Index</strong></td>
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<td><strong>Optical Rotation</strong></td>
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<td><strong>Miscellaneous Data</strong></td>
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<tr>
<td><strong>Solubility</strong></td>
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</table>

N/A = not available

**Section 10 - Stability and Reactivity**

**STABILITY**
- Conditions of Instability: Moisture.
- Conditions to Avoid: Moisture.
- Materials to Avoid: Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**
- Hazardous Decomposition Products: Nature of decomposition products not known.

**Section 11 - Toxicological Information**

**ROUTE OF EXPOSURE**
- Skin Contact: May cause skin irritation.
- Eye Contact: Causes eye irritation.
- Inhalation: Material is irritating to mucous membranes and upper respiratory tract.
- Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

**SIGNS AND SYMPTOMS OF EXPOSURE**
- To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION
Bury in a landfill site approved for the disposal of chemical and hazardous wastes. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION
Symbol of Danger: Xi
Indication of Danger: Irritant.
R: 36/37
Risk Statements: Irritating to eyes and respiratory system.
S: 26-36
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US CLASSIFICATION AND LABEL TEXT
Indication of Danger: Irritant.
Risk Statements: Irritating to eyes and respiratory system.
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

UNITED STATES REGULATORY INFORMATION
SARA LISTED: No
TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: Yes
NDSL: No

Section 16 - Other Information

WARRANTY
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent guarantee of the product.