# MATERIAL SAFETY DATA SHEET

## Section 1- PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>BN</td>
<td>Boron Nitride</td>
</tr>
</tbody>
</table>

## Section 2- HAZARDOUS INGREDIENTS

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

<table>
<thead>
<tr>
<th>MATERIAL OR COMPONENT</th>
<th>CAS NUMBER</th>
<th>WT%</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boron Nitride-BN</td>
<td>10043-11-5</td>
<td>50%</td>
<td></td>
</tr>
</tbody>
</table>

## Section 3- PHYSICAL DATA

- **Appearance and Odor**: White, Odorless & Solid
- **Specific Gravity**: 2.25g/cc
- **Melting Point (Base Metal)**: Sublimes at 3000°C

## Section 4- FIRE AND EXPLOSION

- **Flash Point (Method Used)**: N/A
- **Flammable Limits**: N/A
- **LEL**: N.A.
- **UEL**: N.A.

**Extinguishing Media**

This material does not give a flash point by conventional test methods.

**Special Fire Fighting Procedures**

Use Extinguishing agent suitable for type of surrounding fire.

**Unusual Fire and Explosion Hazards**

None

## Section 5- REACTIVITY DATA

- **Stability**: Avoid contact with strong oxidizers.
- **Incompatibility (Materials to Avoid)**: Conditions to avoid
- **Product decomposes at 2204°C**
- **Hazardous Decomposition Products**: Contact with strong oxidizing agents may produce flammable & toxic ammonia gas.
EMERGENCY & FIRST AID PROCEDURES
Do not induce vomiting. Get medical attention if irritation exists.

EFFECTS OF OVEREXPOSURE
No exposure under normal conditions. Swallowing of powdered material may cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting & diarrhea.

Section 7- SPILL OR LEAK PROCEDURES
No special procedures are required for cleanup, spills or leaks.

WASTE DISPOSAL METHODS
This material is not specifically listed as a hazardous waste in Federal Regulations.

Section 8- SPECIAL PROTECTION
RESPIRATORY
If exposure limits are exceeded or if irritation is experienced, NIOSH-approved respiratory protection should be worn.

VENTILATION
Ventilation and other forms of engineering controls are often the preferred means of controlling chemical exposures.

EYE PROTECTION & PROTECTIVE CLOTHING
Avoid eye contact with this material. Wear safety glasses. Do not wear contact lenses when working with this substance.

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