SAFETY DATA SHEET


1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>FUNCTIONAL CERAMAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL FAMILY</td>
<td>Lubricant Additive</td>
</tr>
<tr>
<td>PRODUCT USE</td>
<td>Boron Nitride EP Additive</td>
</tr>
<tr>
<td>CAS REGISTRY NUMBER</td>
<td>Mixture</td>
</tr>
<tr>
<td>REVISION DATE</td>
<td>January 30, 2009</td>
</tr>
</tbody>
</table>

MANUFACTURER / SUPPLIER  FUNCTIONAL PRODUCTS INC.
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Macedonia, Ohio 44056, USA Macedonia, Ohio 44056, USA
Tel: 330-963-3060       Tel: 330-963-3060
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2. HAZARDS IDENTIFICATION

EYES: No acute toxic effects are expected.

SKIN: No acute toxic effects are expected.

INGESTION: Not expected in industrial use

INHALATION: No acute toxic effects are known

CARCINOGENICITY: Not listed as a carcinogen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>SUBSTANCE/ PREPARATION</th>
<th>% (w/w)</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>BORON NITRIDE</td>
<td>100</td>
<td>10043-11-5</td>
</tr>
</tbody>
</table>
4. **FIRST-AID MEASURES**

**INHALATION:** If inhaled, remove to fresh air.

**INGESTION:** No special measure required. Get medical attention if symptoms occur.

**SKIN CONTACT:** Wash with soap and water. Get medical attention if irritation develops.

**EYE CONTACT:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

5. **FIRE-FIGHTING MEASURES**

**FLASH POINT:** N/A

**UPPER FLAMMABLE LIMIT:** N/A

**LOWER FLAMMABLE LIMIT:** N/A

**EXTINGUISHING MEDIA**

This material does not present any unusual fire or explosion hazards.

**HAZARDOUS COMBUSTION**

This material does not present any unusual combustion hazard.

**PRODUCTS**

**FIRE-FIGHTING PROCEDURES**

Recommended wearing self-contained breathing apparatus and full turnout gear.

6. **ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**

Avoid dust formation. Wear personal protection equipment.

**ENVIRONMENTAL PRECAUTIONS AND CLEAN UP METHODS**

Spills should be contained, absorbed and containerized for disposal in accord with local, state and federal regulations. Prevent entry to sewers and water-way.

7. **HANDLING AND STORAGE**

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Keep container tightly closed, in cool, well ventilated area.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use with adequate ventilation.
HANDS: Use chemical resistant, impervious gloves.
EYES: Use safety glasses, goggles or face mask.
CLOTHING: Long sleeve shirt is recommended.
RESPIRATORY SYSTEM Use appropriate respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid powder
COLOR: White
ODOR: Odorless
DENSITY: 2.25 g / cm^3 at 20 deg C (68 Deg F)
SOLUBILITY: Insoluble in water.
BOILING POINT: N / A
VAPOR PRESSURE: N/A
EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

STABILITY: The product is stable.
INCOMPATIBILITY: Strong oxidants and reducing agents.
CONDITIONS TO AVOID: Not known.

11. TOXICOLOGICAL INFORMATION

SENSITIZATION: Based on current information, there is no known human sensitization associated with this product.
MUTAGENICITY: Experimental evidence suggests that this product do not cause mutagenesis.
CARCINOGENICITY Not classified or listed by IARC, NTP, OSHA, EU, and ACGIH.
TERATOGENICITY Based on best current information, there is no known teratogenicity associated with this product.
REPRODUCTIVE TOXICITY Based on best current information, there is no known reproductive toxicity associated with this product.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS Not available
FISH TOXICITY Not available
ALGAE TOXICITY Not available
BACTERIA TOXICITY Not available
13. **DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL**
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. **TRANSPORTATION INFORMATION**

- **U.S. DOT BULK**: Not regulated.
- **U.S. DOT NON-BULK**: Not regulated.
- **IMDG CODE**: Not regulated.
- **ICAO**: Not regulated.
- **ADR/RID HAZARD CLASS**: Not regulated.
- **CANADA TDG SURFACE**: Not regulated.

15. **REGULATORY INFORMATION**

- **U.S. TSCA INVENTORY**: Yes
- **SARA EXT. HAZ. SUBS.**: No
- **SARA Section 313**: No
- **CERCLA**: No
- **CAL. PROP. 65**: No
- **JAPAN**: All components are listed on ENCS inventory.
- **AUSTRALIA**: All components are listed on AICSA inventory.
- **EUROPE**: All components are listed on EINECS inventory.
- **CHINA**: All components are listed on IECSC inventory.
- **CANADA**: All components are listed on DSL inventory.
  - WHMIS – not controlled.
- **KOREA**: All components are listed on ECL inventory.
- **PHILIPPINES**: All components are listed on PICCS inventory.

16. **OTHER INFORMATION**

- **NFPA CODE**: Health: 0  Fire: 0  Reactivity: 0
- **HMIS CODE**: Health: 0  Fire: 0  Reactivity: 0

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