MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>MoS2</td>
<td>Molybdenum Sulfide</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>MoS2</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

Section 3- PHYSICAL DATA

<table>
<thead>
<tr>
<th>MATERIAL IS (AT NORMAL CONDITIONS)</th>
<th>APPEARANCE AND ODOR</th>
<th>SPECIFIC GRAVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Liquid</td>
<td>Black Lustrous, Smell similar to “rotten eggs”</td>
<td>4.80gm/cc</td>
</tr>
<tr>
<td>□ Solid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 4- FIRE AND EXPLOSION

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

EXTINGUISHING MEDIA

Dry chemical extinguisher

SPECIAL FIRED FIGHTING PROCEDURES

Wear NIOSH/MSHA approved self-contained breathing apparatus & protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None Known

Section 5- REACTIVITY DATA

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>INCOMPATABILITY (MATERIALS TO AVOID)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td>Strong Acids, Strong Alkalis, Potassium Nitrate</td>
</tr>
</tbody>
</table>

CONDITIONS TO AVOID

None Known

HAZARDOUS DECOMPOISION PRODUCTS

None Known
### Section 6- HEALTH HAZARD GUIDE

**MAJOR EXPOSURE HAZARD**
- Inhalation
- Skin
- Skin Absorption
- Eye Contact
- Ingestion

**EFFECTS OF OVEREXPOSURE**

**INHALATION:** May be a mild respiratory irritant. May aggravate pre-existing lung disease. Considered a nuisance dust.

**DERMAL/EYE CONTACT:** Mild eye irritant. May be irritating and corrosive to the skin, especially if moist.

**OTHER:** Ingestion will cause G.I. disturbances.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre existing lung disease.

**EMERGENCY & FIRST AID PROCEDURES (FOR DUST & FUME ONLY)**

**INHALATION:** Remove from exposed area to fresh air immediately; give oxygen if breathing is difficult.

**INGESTION:** Do NOT induce vomiting.

**SKIN CONTACT:** Wash affected area with soap or mild detergent and large amounts of water.

**EYE CONTACT:** Flush eyes with lukewarm water lifting up the upper and lower lids for at least fifteen minutes.

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### Section 7- SPILL OR LEAK PROCEDURES

**SPILL OR LEAK PROCEDURES**

Wear full protective clothing, isolate area and ensure proper ventilation. Vacuum spill and place in container for proper disposal.

**WASTE DISPOSAL METHODS**

Dispose in accordance with all federal, state and local regulations.

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### Section 8- SPECIAL PROTECTION

**RESPIRATORY**
- NIOSH/MSHA approved respirator.

**VENTILATION**
- Local Exhaust Recommended

**EYE PROTECTION & PROTECTIVE CLOTHING**
- Safety glasses with side shields. Maintain sink, safety shower and eyewash fountain in the work area. Wear full protective clothing at all times.

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### Section 9- SPECIAL PRECAUTIONS

Store in tightly closed containers in a cool dry place. Wash hands and face thoroughly before eating or smoking.

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