MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Si</td>
<td>Silicon</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>
<th>OSHA PEL (Mg/M³)</th>
<th>ACGIH TLV(MG/M³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon</td>
<td>744-21-3</td>
<td></td>
<td></td>
<td>10mg/M³</td>
<td>TWA-8 0.5mg/M³</td>
</tr>
</tbody>
</table>

Section 3- PHYSICAL DATA

<table>
<thead>
<tr>
<th>MATERIAL IS (AT NORMAL CONDITIONS)</th>
<th>APPERANCE AND ODOR</th>
<th>SPECIFIC GRAVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>Steel grey crystal or powder, no odor</td>
<td>2.33</td>
</tr>
<tr>
<td>MELTING POINT (BASE METAL)</td>
<td>1410°C</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>Non Flammable</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

EXTINGUISHING MEDIA

Use media appropriate for surrounding fire.

SPECIAL FIRED FIGHTING PROCEDURES

None required

UNUSUAL FIRE AND EXPLOSION HAZARDS

Lump material is not combustible. Dust can be readily ignited, propagate flame and generate pressure and/or explosion.

Section 5- REACTIVITY DATA

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>INCOMPATABILITY (MATERIALS TO AVOID)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>Strong acids and bases- resulting fumes</td>
</tr>
<tr>
<td>None Known</td>
<td></td>
</tr>
</tbody>
</table>

HAZARDOUS DECOMPOISTION PRODUCTS

Will not occur
### Section 6- HEALTH HAZARD GUIDE

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

**EFFECTS OF OVEREXPOSURE**

**INHALATION:** Considered a “nuisance particulate”.

**SKIN CONTACT:** No effects reported.

**EYE CONTACT:** No effects reported.

**INGESTION:** No effects reported.

**EMERGENCY & FIRST AID PROCEDURES**

**INHALATION:** If inhaled (long period of time), remove to fresh air.

**SKIN CONTACT:** Wash skin with water and soap.

**EYE CONTACT:** Wash eyes with large amounts of water.

**INGESTION:** Flush with plenty of water.

### Section 7- SPILL OR LEAK PROCEDURES

**SPILL OR LEAK PROCEDURES**

Sweep or shovel spills into appropriate container for disposal. Residue may be washed by water.

**WASTE DISPOSAL METHODS**

Use good waste management practices.

### Section 8- SPECIAL PROTECTION

**RESPIRATORY**

NIOSH approved dust respirator where dusting may occur.

**VENTILATION**

Recommended

**EYE PROTECTION & PROTECTIVE CLOTHING**

Safety goggles are recommended.

### Section 9- SPECIAL PRECAUTIONS

None

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