MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION

**Product Identifier**

**Product Use**

Mining and engineering projects requiring a sanded cementious grout.

**Manufacturer**

Thiessen Team USA Inc.
1840 Sharps Access Road-Elko, NV 89801
P.O.Box 40, Elko NV 89803

**Supplier**

Thiessen Team USA Inc
1840 Sharps Access Road-Elko, NV 89801
P.O.Box 40, Elko NV 89803

SECTION 2 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>%</th>
<th>CAS number</th>
<th>LD</th>
<th>LC</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Cement, giving m</td>
<td></td>
<td>65997-15-1</td>
<td></td>
<td></td>
<td>10mg/cu-</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>0.3-1.0</td>
<td>1305-78-8</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Calcium Silicates</td>
<td>45-60</td>
<td>-</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Condensed Silica Fume (non-crystalline silica)</td>
<td>5-15</td>
<td>-</td>
<td>n/a</td>
<td>n/a</td>
<td>6mg/cu-m</td>
</tr>
</tbody>
</table>

Also contains non-hazardous plasticing and water-reducing admixtures

SECTION 3 - PHYSICAL DATA

<table>
<thead>
<tr>
<th>Physical State</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour/Appearance</td>
<td>Grey powder , no odour</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>n/a</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>n/a</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>n/a</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>2.8-3.0</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>n/a</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>n/a</td>
</tr>
<tr>
<td>pH</td>
<td>10-12</td>
</tr>
<tr>
<td>Coeff. Water/Oil Dist.</td>
<td>n/a</td>
</tr>
</tbody>
</table>

SECTION 4 - FIRE & EXPLOSION

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Not flammable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashpoint</td>
<td>n/a</td>
</tr>
<tr>
<td>Autoignition Temp.</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Means of Extinction

<table>
<thead>
<tr>
<th>Means of Extinction</th>
<th>n/a</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper/Lower Flam. Limit</td>
<td>n/a</td>
</tr>
<tr>
<td>Hazardous Combustion Products</td>
<td>none</td>
</tr>
</tbody>
</table>

Explosion Data

<table>
<thead>
<tr>
<th>Sensitivity to Impact</th>
<th>none</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity to Static Discharge</td>
<td>none</td>
</tr>
</tbody>
</table>

Not flammable, but exposure to high temp. can cause thermal decomposition of plastics.
SECTION 5 - REACTIVITY DATA

Chemical Stability
Stable

Incompatibility with other Substances
Inorganic Acids

Reactivity, and under what conditions
Reacts with inorganic acids, giving carbon dioxide gas

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry

<table>
<thead>
<tr>
<th>Route</th>
<th>Skin Contact</th>
<th>Skin Absorption</th>
<th>Eye Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Yes</td>
<td>Ingestion</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Effects of Acute Exposure to Product
Irritation of eyes and upper respiratory tract. Caustic burns to skin and eyes can occur if contact is prolonged.

Effects of Chronic Exposure to Product
Cement dust can cause inflammation of eyes and nasal passages. Prolong contact under moist conditions can cause caustic burns. Excessive inhalation of crystalline silica dust may result in respiratory disease, including silicosis, pneumonociosis and pulmonary fibrosis.

Exposure Limits
10 mg total dust m³ for a work shift of up to 10 hours per day, 40 hours per week.

Irritancy of Product
Dust can irritate eyes and upper respiratory tract. Skin irritation can occur under moist or wet conditions.

Sensitization to Product
Hypersensitive reaction may cause allergic dermatitis.

Carcinogenicity
NTP no IARC Monographs no OSHA Regulate no

Teratogenicity
n/a Reproductive Toxicity n/a

Mutagenicity
n/a Synergistic Products None known
SECTION 7 - PREVENTION MEASURES

**Personal Protective Equipment**
Where the prevention of dust is unavoidable, use conventional NIOSH approved or equivalent respiratory protection equipment based on considerations of airborne concentration and duration of exposure.

- **Gloves**
  Impervious to moisture

- **Eye**
  Use appropriate eye protection to minimize contact with dust from dry product, or with wet product after mixing with water.

- **Other**
  Wear appropriate clothing and footwear for the specific application. Clean clothing which has become dusty.

**Engineering Controls**
Use adequate ventilation. Do not permit dust to accumulate in work area.

**Leak and Spill Procedure**
If uncontaminated, collect for reuse or disposal. Use dustless procedures. If contaminated, use appropriate method and container for contaminant.

**Waste Disposal**
If uncontaminated, dispose as a non-metallic mineral. If contaminated, use appropriate method for contaminant in accordance with applicable regulations.

**Handling Procedures and Equipment**
Avoid creation of respirable dust if possible. Use adequate ventilation and dust collection. Avoid contact with wet product during use.

**Storage Requirements**
Store in a dry place

SECTION 8 - FIRST AID MEASURES

- **Eyes**
  Flush with running water for at least 15 minutes. Obtain medical attention.

- **Skin**
  Wash with soap and water. For caustic burns to skin, consult a doctor.

- **Ingestion**
  Drink large amounts of water. Do not induce vomiting. Seek immediate medical attention.

- **Gross**
  Remove to fresh air. Give oxygen with artificial respiration as needed

- **Inhalation**
  Obtain medical attention for treatment, observation and support as needed.

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Prepared by: Thiessen Team USA Inc., Quality Control Division  
Phone no: (775) 777-1205  
Date: August 1, 2007

The information in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information given is based on technical data that we believe to be reliable. Because conditions of use are outside our controls, it is the responsibility of the user to verify safety data for the combinations with other materials, or for use in specific processes. n/a=not applicable or not available.