SECTION I - MATERIAL IDENTIFICATION AND USE

Material: Clay, Fireclay

Manufacturer's Name: Cedar Heights Clay

Supplier's Name: Same as processor

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>Approximate Concentration %</th>
<th>CAS. N. A. or U.N. Numbers</th>
<th>&quot;Exposure limits&quot;</th>
<th>LD₅₀/ LC₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline silica (quartz)</td>
<td>10 - 30%</td>
<td>14808-60-7</td>
<td>0.1 mg/m³ TWA (ACGIH)</td>
<td>Not available</td>
</tr>
<tr>
<td>Hydrous aluminum silicate</td>
<td>70 - 90%</td>
<td>Not available</td>
<td>10 mg/m³ TWA (ACGIH)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL DATA FOR MATERIAL

Odour and Appearance: Grey with earthy odour

Odour Threshold (p.p.m.): Not available

Specific Gravity: 2.6

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Not flammable. May actually be used as an extinguisher.

SECTION V - REACTIVITY DATA

No known incompatible materials

Hazardous Decomposition Products: May release carbon monoxide and sulfur dioxide when heated above 260°C.

Stock No. M.S.D.S.-8747
**SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT**

Route of Entry:  
- Skin Contact  
- Skin Absorption  
- Eye Contact  
- Inhalation Acute  
- Inhalation Chronic  
- Ingestion

Effects of Acute Exposure to Product: Dust irritates eyes and respiratory tract

Effects of Chronic Exposure to Product: Crystalline silica is also listed as a class 2A carcinogen.

<table>
<thead>
<tr>
<th>LD₅₀ of Product (Specify Species and Route)</th>
<th>LD₅₀ of Product (Specify Species)</th>
<th>LD₅₀ of Product (Specify Route)</th>
<th>LD₅₀ of Product (Specify Species and Route)</th>
<th>LD₅₀ of Product (Specify Species)</th>
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<th>LD₅₀ of Product (Specify Species)</th>
<th>LD₅₀ of Product (Specify Route)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available</td>
<td>Sensitization to Product</td>
<td>May abrade eyes</td>
<td>Exposure limits of Product</td>
<td>Not available</td>
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<tr>
<td>LC₅₀ of Product (Specify Species)</td>
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<td>LC₅₀ of Product (Specify Route)</td>
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<td>LC₅₀ of Product (Specify Species)</td>
<td>LC₅₀ of Product (Specify Route)</td>
</tr>
<tr>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not applicable</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Reproductive effects</td>
<td>Teratogenicity</td>
<td>Mutagenicity</td>
<td>Carcinogenicity</td>
<td>Reproductive effects</td>
<td>Teratogenicity</td>
<td>Mutagenicity</td>
<td>Carcinogenicity</td>
</tr>
</tbody>
</table>

Does not meet WHMIS criteria for these effects.

**SECTION VII - PREVENTIVE MEASURES**

Personal Protective Equipment: In dusty conditions wear PPE as needed.

- Gloves (Specify): Rubber
- Respiratory (Specify): Dust mask
- Eye (Specify): Goggles
- Footwear (Specify): Not applicable

Engineering Controls (e.g. ventilation, enclosed process, specify): Use only in well ventilated areas.

Leak and Spill Procedure: Dry clean up. Keep dust levels low.

Waste Disposal: Any approved waste disposal method.

Handling Procedures and Equipment: Avoid firing (heating) in confined spaces. Use well vented kiln.

Storage Requirements: No specific requirements.

Special Handling Information: None

**SECTION VIII - FIRST AID MEASURES**

Skin: Wash thoroughly with water.

Eye: Flush eyes for 15 minutes with gently running water.

Inhalation: Move to fresh air.

Ingestion: Should not cause problems.

General Advice: Consult physician if condition persists.

**SECTION IX - PREPARATION DATE OF M.S.D.S.**

Additional Information/Comments: Information is obtained from sources believed reliable. TT&L accepts no responsibility for loss or damage incurred as a result of inaccuracy or incompleteness.

Sources Used: RTECS Cedar Heights Clay data

Prepared by: TT&L  
Phone number:  
Date: 1988-09-10