# Material Safety Data Sheet

## Montmorillonite

### Section I: Manufacturer

<table>
<thead>
<tr>
<th>Holten Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>7126 Riverdale Bend Road</td>
</tr>
<tr>
<td>Memphis, TN 38125-4442</td>
</tr>
</tbody>
</table>

**Phone:** 800-284-5626

**Fax:** 800-755-5686

### Material Name:

Safety Absorbent, Plus, Natural Binder, Product G, Red Plus, Red Diamond, Blue Tube

### Chemical Name:

Montmorillonite

**Prepared:** June 01, 2000

### Section II: Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Approx. %</th>
<th>Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Montmorillonite</td>
<td>1302-78-9</td>
<td>87</td>
<td>PEL: 5mg/m³ TWA respirable fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TLV: 10mg/m³ TWA respirable fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TLV: 10mg/m³ TWA inhalable fraction</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>14808-60-7</td>
<td>10</td>
<td>PEL: 5mg/m³ %SiO₂ x 2TWA</td>
</tr>
<tr>
<td>3-4% Respirable</td>
<td></td>
<td></td>
<td>TLV: 0.1mg/m³ TWA</td>
</tr>
<tr>
<td>Crystalline Silica (Cristoblite)</td>
<td>14484-46-1</td>
<td>3</td>
<td>PEL: 5mg/m³ %SiO₂ x 2TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TLV: 0.05mg/m³ TWA</td>
</tr>
</tbody>
</table>

### Section III: Physical/Chemical Characteristics

- **Boiling Point:** N/A
- **Vapor Pressure (mm Hg):** N/A
- **Vapor Density (Air = 1):** N/A
- **Solubility in Water:** <1.0%
- **Specific Gravity (Water=1):** 2.2
- **Melting Point:** N/A
- **Evaporation Rate:** N/A
- **Appearance & Odor:** Tan to gray colorless solid

### Section IV: Fire & Explosion Hazard Data

- **Flash Point:** N/A
- **Flammable Limits:** N/A
- **Extinguishing Media:** N/A
- **LEL:** N/A
- **UEL:** N/A

**Special Fire Fighting Procedures:** None

**Unusual Fire & Explosion Hazards:** None

### Section V: Reactivity Data

- **Stability:** Stable
- **Hazardous Polymerization:** Will not occur
- **Hazardous decomposition products:** None

**Incompatibility:** Unsaturated organic compounds, such as turpentine and vegetable oil generate and hydrofluoric acid may generate heat upon mixing with dry clay.
### Section VI: Health Hazard Data

**Routes of Entry**
- Inhalation? Yes
- Skin? No
- Ingestion? No

**Health Hazards (Acute & Chronic)**
- Chronic: Years of exposure above the TWA/PEL may cause silicosis.
- IARC has classified crystalline silica as a probable carcinogen.

**Carcinogenicity:**
- NTP? Respirable
- IARC Monographs? 88
- OSHA Regulated? Yes

**Signs & Symptoms of Exposure:**
- Cough and shortness of breath

**Medical Conditions Aggravated by Exposure:**
- Asthma and other preexisting respiratory and lung diseases

**Emergency & First Aid Procedures:**
- If symptoms occur, remove to fresh air.

### Section VII: Precautions for Safe Handling & Use

**In Case of Release or Spill:**
- Sweep up and re-lease or dispose in sanitary landfill

**Storing & Handling Precautions:**
- None
  - Other Precautions: None

### Section VIII: Control Measures

**Respiratory Protection**
- Use NIOSH approved dust mask when high dust levels are present.

**Ventilation:**
- Local Exhaust: Yes
- Special: None
- Mechanical: N/A
- Other: None

**Protective Gloves**
- None
- Eye Protection: Safety glasses

**Other Protection**
- None
- Work/Hygiene Practices: Minimize dust

### Section IX: Other Information

**NFPA Rating:** Health=1, Fire=0, Reactivity=0

**HMIS Rating:** Health=1, Fire=0, Reactivity=0

**TSCA:**
- All product components are listed on the EPA TSCA or exempt from notification requirements.

**Canadian DSL:**
- All product components are listed on the Canadian Domestic Substance List or exempt from notification requirements

*This information is believed to be accurate. The Molten Company makes no warranty, expressed or implied, and assumes no responsibility as to the accuracy or suitability of this information for application to user’s intended purposes or consequences of its use.*