PRODUCT IDENTIFICATION

**Generic Name:** Kaolin  
**CAS Number:** 1332-58-7  
**Chemical Structure:** \( \text{H}_4\text{Al}_2\text{Si}_2\text{O}_7 \cdot \text{SiO}_2 \)

**Manufacturer's Name:** The Feldspar Corporation  
**Address:** One West Pack Square, Suite 700, Asheville, N.C. 28801

**Phone Number:** (Emergency) (704) 254-7400

**PRODUCT INGREDIENTS**

### CHEMICAL AND/OR COMMON NAME

<table>
<thead>
<tr>
<th>Chemical and/or Common Name</th>
<th>CAS Number</th>
<th>TLV/TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaolinite, Kaolin, Clay, Hydrous Aluminum Silicate</td>
<td>1332-58-7</td>
<td>96</td>
</tr>
<tr>
<td>Silica, Quartz, Silicon Dioxide</td>
<td>14808-60-7</td>
<td>4</td>
</tr>
</tbody>
</table>

### PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>2.56</td>
</tr>
<tr>
<td>Oil Solubility In Water</td>
<td>Nil</td>
</tr>
<tr>
<td>Vapor Density (Air -1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>1740° C - 1785° C</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Buff-colored powder - odorless</td>
</tr>
</tbody>
</table>

### FIRE AND EXPLOSION DATA

- **Flash Point:** N/A  
- **Explosive Limits:** Nonflammable  
- **Flammable Limits:** Nonflammable  
- **Extinguishing Media:** N/A  
- **Special Firefighting Procedures:** None  
- **Usual Fire or Explosion Hazards:** None  
- **NFPA CODE:** 0  
- **Health:** 7  
- **Flammability:** 0  
- **Reactivity:** 0  
- **Fire Protection:** F

### HEALTH HAZARD INFORMATION

**HAZARD BY ROUTES OF EXPOSURE**

- **Inhalation:** Repeated, prolonged inhalation of dust may cause delayed lung injury which may result in silicosis or pneumoconiosis. May cause cancer, based on animal data.
- **Ingestion:** Nausea may result from accidental ingestion; may cause cancer, based on animal data.
- **Skin Contact/Absorption:** Inflammation from contact with open cuts may occur.
- **Eye Contact:** Inflammation of eye tissue may occur from overexposure.
- **Respiratory Exposure:** May cause silicosis, a chronic disease of the lungs marked by acute fibrosis; may cause cancer, based on animal data.

**Conditions Which May Be Aggravated:** None when NIOSH/OSHA/NIOSH approved respiratory protection is used as required.

**EPA Class:**  
- Part I Listed As Carcinogens? (NTP, IARC, OSHA)  
- The International Agency For Research On Cancer In Its Publication, "IARC Monographs On the Evaluation Of The Carcinogenic Risk To Humans - Silica And Some Silicates" - Volume 42, 2007, has concluded that there is sufficient evidence for the carcinogenicity of crystalline silicate in experimental animals, and limited evidence for the carcinogenicity of crystalline silica in humans, and has, therefore, classified crystalline silica in Group 2A of Probable Carcinogens.
V. HEALTH HAZARD INFORMATION (Continued)

EMERGENCY/FIRST AID PROCEDURES

Inhalation: Move to fresh air; consult physician and/or obtain competent medical assistance as necessary.

Ingestion: Consult physician and/or obtain competent medical assistance.

Eye Contact: Flush with water; consult physician and/or obtain competent medical assistance as necessary.

Skin Contact: Wash thoroughly with water.

Skin Absorption: N/A

VI. CONDITIONS FOR SAFE USE (When Over TLV)

Respiratory Protection: Use NIOSH/MSHA/OSHA approved respirator if dust is present.

Eye Protection: Optional, but recommended.

Protective Gloves: Optional, but recommended.

Other Protective Clothing/Equipment: Optional, but recommended.

Ventilation Requirements: Local exhaust required for dust removal; refer to OSHA 1910.24, ASH, and/or ANSI Standards.

VII. REACTIVITY DATA

Is Material Stable: Yes

Will Hazardous Polymerization Occur: No

Incompatibility: None known

Conditions To Avoid: None known

Hazardous Decomposition Products: None

VIII. SPILL OR LEAK PROCEDURES

Steps To Be Taken If Material Is Spilled Or Released:

If uncontaminated, recover and reuse.

If contaminated, collect in suitable containers for disposal.

Waste Disposal Method: May be buried in approved land disposal facility in accordance with Federal, State and local regulations.

RCRA Regulated? No

RCRA No. N/A

CERCLA (Superfund) Reportable Quantity: N/A

DOT Regulated? No

DOT Proper Ship. Name: N/A

DOT Hazard Class: N/A

DOT No. N/A

IX. SPECIAL PRECAUTIONS

Special Precautions: Do not breathe dust; avoid creating dust in areas. Use adequate ventilation as recommended by NIOSH/MSHA/OSHA for crystalline silica.

Other Precautions: None

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, the manufacturer makes no warranty with respect thereto, and disclaims liability from reliance thereon. This data related only to the specific material(s) designated herein, and does not relate to use in combination with any other material(s) or in any process. Any use of this data and information must be determined by the user to be in accordance with Federal, State, and local laws and regulations.