**MATERIAL SAFETY DATA SHEET**

**CODE 29 CFR**

Conforms with OSHA 1910.1200

**DATE ISSUED**

JANUARY 1, 1997

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**SECTION I: IDENTIFICATION OF MATERIAL**

**IDENTITY**

**TRADE NAME & SYNONYMS**

Feldspar  CAS # 88478-25-5  

**CHEMICAL NAME OR COMPOSITION**

K₂O, Al₂O₃, 6SiO₂

**CHEMICAL FAMILY**

Potassium Alumina – Silicates

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**SECTION II: HAZARDOUS INGREDIENTS/IDENTITY DATA**

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica (Quartz)</td>
<td>5 mg/m³</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Typical respirable free silica: 200 Mesh feldspar: .12% 325 Mesh feldspar: .44%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Feldspar is not listed on the NTP, IARC, or OSHA list of carcinogens. Crystalline Silica, a component of this product is listed by IARC, but not NTP or OSHA. IARC has determined that there is sufficient evidence for carcinogenicity to experimental animals exposed to crystalline silica and limited evidence for carcinogenicity to humans. “Limited evidence” means that a casual relationship is possible, however, other explanations, i.e. confounding factors or chance cannot be excluded.

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**SECTION III: PHYSICAL DATA**

<table>
<thead>
<tr>
<th>APPEARANCE AND ODOR</th>
<th>VAPOR DENSITY (AIR = 1)</th>
<th>SOLUBILITY IN WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>White, Odorless</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>N/A</td>
<td>SPECIFIC GRAVITY</td>
</tr>
<tr>
<td>FREEZING POINT</td>
<td>N/A</td>
<td>2.63</td>
</tr>
<tr>
<td>MELTING POINT</td>
<td>1450°C</td>
<td></td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

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**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

<table>
<thead>
<tr>
<th>FLASH POINT</th>
<th>UNUSUAL FIRE &amp; EXPLOSION HAZARDS</th>
<th>FLAMMABLE (EXPLOSIVE) LIMITS</th>
</tr>
</thead>
</table>
| Non flammable/Non explosive | N/A | LOWER LIMIT 
| SPECIAL FIRE FIGHTING PROCEDURES | | UPPER LIMIT |

N/A
SECTION V: HEALTH HAZARD DATA

ROUTE(S) OF ENTRY  INHALATION?  SKIN?  INGESTION?

YES  NO  NO

HEALTH HAZARDS (ACUTE AND CHRONIC)
May be harmful if inhaled over a prolonged period and may cause delayed lung injury. Avoid breathing dust. Use NIOSH/MSHA approved respirator where TLV for Crystalline Silica may be exceeded.

SIGNS AND SYMPTOMS OF EXPOSURE
Short term: NONE
Long term: steady and prolonged exposure to dust concentrations higher than TLV without approved respirator could cause silicosis.

SECTION VI: REACTIVITY DATA

GENERAL REACTIVITY  N/A

INCOMPATIBILITY (MATERIALS TO AVOID)  N/A

HAZARDOUS DECOMPOSITION PRODUCTS  N/A

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID  N/A

WILL OCCUR  WILL NOT OCCUR

SECTION VII: SPILL PROCEDURES DISPOSAL REQUIREMENTS

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Material is not dangerous if spilled. Wash away with water or vacuum with high efficiency (HEPPA) filter. Good housekeeping practices recommended.

WASTE AND CONTAINER DISPOSAL METHODS
Disposal methods for non-hazardous materials should be complied with.

SECTION VIII: SPECIAL PROTECTION INFORMATION (SPECIFY IN DETAIL)

EYE PROTECTION  N/A
Safety glasses for comfort only.

GLOVES  N/A

OTHER  N/A

RESPIRATORY PROTECTION

NIOSH approved dust mask. Use NIOSH/MSHA approved respirator selection procedures.

SECTION IX: SPECIAL REQUIREMENTS

STORED IN DRY AREA.

SECTION X: NOTES

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