Material Safety Data Sheet
EPK Kaolin

1. PRODUCT & COMPANY I.D.

Chemical Name:
Kaolinite (CAS No. 1332-58-7)

Producer:
The Feldspar Corporation
1040 Crown Pointe Parkway
Suite 270
Atlanta, GA 30338

Telephone Numbers:
(Emergency and Information)
(770) 392-8660 8am - 5pm EST M-F
(770) 392-8670 FAX

MSDS # 9904
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2. HAZARDOUS INGREDIENTS

FREE SILICA (CRYSTALLINE QUARTZ)

Formula: SiO₂
Typically: 0.1-4%
CAS #: 14808-60-7

Kaolinite is a naturally occurring hydrous aluminum silicate mineral.
Formula: H₄Al₂Si₂O₈·SiO₂

3. PHYSICAL DATA

Boiling Point: Not Applicable
Vapor Pressure: Not Applicable
Specific Gravity: 2.65
Melting Point: 1740-1785°C
Solubility In Water: Negligible
Percent Volatile: Not Applicable
Odor and Appearance: Earthy small white. White to light gray lumps; buff colored powder.

4. FIRE & EXPLOSION DATA

Non-flammable and non-explosive.

5. HEALTH HAZARD INFORMATION

OSHA PEL: CRISTALLINE QUARTZ
(Respirable) 0.1 mg/m³ (TWA-TLV)

ACGIH TLV: CRISTALLINE QUARTZ
(Respirable) 0.1 mg/m³ (TWA-TLV)

NIOSH TWA: CRISTALLINE QUARTZ
(Respirable) 0.05 mg/m³

HAZARD BY ROUTES OF EXPOSURE:

EYE:
Inflammation of eye tissue may occur from overexposure.

SKIN/CONTACT ABSORPTION:
Inflammation from contact with open cuts may occur.

SIGNS AND SYMPTOMS ASSOCIATED WITH EXPOSURE OVER THE TLV:
Short Term: Shortness of breath, coughing associated with inhalation of dust.
Long Term: May cause silicosis, a chronic disease of the lungs marked by acute fibrosis; may cause cancer.

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.

Emeryville, CA 94608

The information and data contained herein are believed to be accurate, but the manufacturer makes no warranty with respect thereto and disclaims responsibility for reliance thereon. This data relates only to the specific material described herein, and does not relate to use in connection with any other materials or in any process.

The Feldspar Corporation makes no warranties, express or implied, concerning this product. No warranty of fitness for any particular purpose is made, and we assume no responsibility whatever for any use of this product. This product should be used by properly trained personnel, and in compliance with applicable health and safety laws and regulations.
6. REACTIVITY DATA

**Stability:** Kaolin is a stable material under ordinary conditions.

**Incompatibility:** None known.

**Hazardous Polymerization:** Not known to occur.

7. 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. Use appropriate method to avoid creating dust. Avoid breathing dust. Wear a NIOSH/MSHA/OSHA approved respirator.

**Waste Disposal Method:** May be buried in approved land disposal facility in accordance with Federal, State, and local regulations. Kaolin is not a hazardous waste under RCRA (40 CFR Part 261). Kaolin is not regulated by DOT.

8. CONDITIONS FOR SAFE USE

**Ventilation:** Local exhaust required for dust removal. Refer to OSHA 1910.24, ASTM, and/or ANSI Standards. Do not exceed OSHA PEL or ACGIH TLV.

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

**Eye Protection:** Optional, but recommended. NIOSH recommends against wearing contact lenses when working with crystalline silica.

**Protective Gloves:** Optional, but recommended.

9. SPECIAL PRECAUTIONS

1. Do not breathe dust.
2. Avoid creating dust in closed areas.
3. Use adequate ventilation as recommended by NIOSH/MSHA/OSHA for crystalline silica.

10. OTHER RELATED INFORMATION

1. **NPCA/CPMA HMIS Ratings:**
   - Health (2)
   - Flammability (0)
   - Reactivity (0)
   - Personal Protection (E)

2. Kaolin is not hazardous under DOT Regulations.

3. Government regulations require that personnel working with crystalline silica receive appropriate training in safe work habits, respiratory protection and health risks.