



Safety Data Sheet

GHS-United States

Section 1: Product and Company Identification

Product Names: EPK Kaolin

Synonym: Edgar Clay

Supplier/Manufacturer: Edgar Minerals, Inc.
651 Keuka Rd.
Edgar, FL 32640
352-481-2421 Phone
352-481-2334 Fax

Emergency Phone Number: 911

Product Use: Ceramics, Sanitary Ware, Agriculture

Section 2: Hazards Identification



Health Hazard (carcinogen)



Irritant (skin, eye, & respiratory tract)

EPK Kaolin is a naturally occurring mineral, which may contain amounts of crystalline silica typically 0.1-1%

• **CARCINOGENICITY:** This product contains crystalline silica. Repeated, prolonged inhalation of dust may cause delayed lung injury which may result in silicosis or pneumoconiosis. The International Agency For Research On Cancer in its publication, "IARC Monographs On the Evaluation Of The Carcinogenic Risk To Humans – Silica, Some Silicates, Coal Dust and Para-aramid Fibrils" - Volume 68, 1997, has concluded that there is sufficient evidence of the carcinogenicity of crystalline silica in humans, and has, therefore, classified crystalline silica in, Group 1, Carcinogenic to Humans. The National Toxicology Program's ("NTP's") Ninth Annual Report on Carcinogens 2000, lists crystalline silica (respirable) as a substance which is known to be a human carcinogen. In humans, a number of studies have found an association between lung cancer and exposure to dust containing respirable crystalline silica. In many of these studies, though not all, lung cancer risks were elevated and could not be explained by confounding factors such as cigarette smoking or arsenic or random inhalation. While the IARC working group concluded there was sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or crystobalite, it noted that carcinogenicity in humans was not detected in all circumstances studied.

• **Note:** The state of California requires the following statement:

"Airborne particles of respirable size of crystalline silica are known to the State of California to cause cancer"

Section 3: Composition / Information on Ingredients

Chemical	Formula	CAS & ICSC Numbers		Percentage
Kaolinite	$Al_2O_3 \cdot 2SiO_2 \cdot 2H_2O$	Cas # 1332-58-7	ICSC # 1144	99.0% – 99.9%
Quartz (Crystalline Silica)	SiO_2	Cas # 14808-60-7	ICSC # 0808	0.1% - 1.0%

Section 4: First-Aid Measures

SKIN CONTACT: No special procedures are required. Some eye, mucous membrane and skin sensitivity may occur with allergic individuals. First aid consists of washing away dust.

INHALATION: In case of discomfort by dust, move to a ventilated area and consult a physician and or obtain competent medical assistance as necessary

EYE CONTACT: Wash eyes with large amount of water or saline solution. If irritation or redness develops, get medical attention.

INGESTION: Give large quantities of water to induce vomiting, keep head lower than hips to prevent aspiration. Get medical attention.



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Section 5: Fire-Fighting Measures

Kaolin is not flammable.

Section 6: Accidental Release Measures

Kaolin waste is not reactive, flammable or biodegradable. Use conventional means; e.g. sweeping, vacuum, etc. Use caution on wet floor, as it may be slippery.

Section 7: Handling & Storage

No special storage considerations, but keep in a dry, cool location.
Bags weigh 50 lbs. Use proper lifting techniques to avoid physical injury.

Section 8: Exposure Controls / Personal Protection

OSHA PEL ACGIH TLV NIOSH TWA

Crystalline Quartz Crystalline Quartz Crystalline Quartz

RESPIRABLE 10mg/m³ /%SiO₂ +2 RESP. 0.025 mg/m³ (TWA-TLV) RESP. 0.05 mg/ m³ (TWA-TLV)

RESPIRATORY PROTECTION: NIOSH approved dust respirator should be used when level exceeds TLV.

VENTILATION: Normal air circulation, use adequate ventilation for low TLV

LOCAL EXHAUST: Collect excessive dust at point of generation. Refer to OSHA 1910-24, ASTM, and/or ANSI Standard. Do not exceed OSHA PEL or ACGIH TLV.

PROTECTIVE GLOVES & EYE PROTECTION: Impermeable gloves and Eye protective glasses are recommended.

Section 9: Physical & Chemical Properties

MELTING POINT: 1740-1785 °C
SOLUBILITY IN WATER: Negligible
BOILING POINT: N/A

ODOR: Earthy smell when wet

SPECIFIC GRAVITY (WATER=1): 2.65
% VOLATILE BY VOL: Non-Volatile
APPEARANCE: White to light gray lumps; buff-colored powder
VAPOR PRESSURE: N/A

Section 10: Stability & Reactivity

CHEMICAL STABILITY: Stable
MATERIALS TO AVOID: None Expected
HAZARDOUS DECOMPOSITION PRODUCTS: None

CONDITIONS TO AVOID: None

Section 11: Toxicological Information

POTENTIAL HEALTH EFFECTS (ACUTE & CHRONIC): May cause eye and skin irritation. Ingestion may cause gastrointestinal irritation, nausea and diarrhea.
Long term exposure to high amounts of Kaolin without the approved dust mask may cause cancer, based on animal data.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity Effects: No known effect on environment or expected under normal use.

Section 13: Disposal Considerations

WASTE DISPOSAL METHOD: Use normal solid waste, disposal methods to comply with Federal and local laws. Kaolin is not hazardous waste under RCRA (40CFR Part 261)



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Section 14: Transportation Information

Not classified as dangerous material by DOT. No special precautions are required.

Section 15: Regulatory Information

Canadian WHMIS: Hazardous product, D2A

CANADIAN DOMESTIC SUBSTANCES LIST: As a naturally occurring substance, kaolin is considered to be on the Canadian DSL.

PNCA/CPMA HMIS RATING: Health (1) Flammability (0) Reactivity (0) Personal Protection (E)

SARA: 311 and 312 Hazard Categories

U.S. CALIFORNIA PROPOSITION 65: This product contains materials regulated under **California's Safe Drinking Water and Toxic Enforcement Act of 1986.**

U.S. SARA TITLE III: This product is not subject to SARA Title III (40 CFR Part 372)

TSCA CHEMICAL SUBSTANCES INVENTORY: Kaolin and Quartz is listed.

Hazardous Material Information System (U.S.A.)	National Fire Protection Association (U.S.A.)												
<table border="1"> <tr><td>Health Hazard</td><td>*</td><td>1</td></tr> <tr><td>Fire Hazard</td><td></td><td>0</td></tr> <tr><td>Reactivity</td><td></td><td>0</td></tr> <tr><td>Personal Protection</td><td></td><td>E</td></tr> </table> <p>* Chronic Potential</p>	Health Hazard	*	1	Fire Hazard		0	Reactivity		0	Personal Protection		E	<p>NFPA</p>
Health Hazard	*	1											
Fire Hazard		0											
Reactivity		0											
Personal Protection		E											
Protective Clothing (Pictograms) 													
Wear NIOSH/MSHA approved dust mask when working in dust conditions. (N-95)													

Section 16: Other Information

For compliance with The Globally Harmonized System of Classification and Labeling of Chemicals (GHS) – prepared October 27, 2014 This data sheet is subject to change without notice.
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