

DISTRIBUTED BY  
**R. E. CARROLL, INC**  
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## MATERIAL SAFETY DATA SHEET

IDENTITY OF MATERIAL: **DOVER CLAY**

### SECTION I

MANUFACTURER'S NAME & ADDRESS

SOUTHEASTERN CLAY CO

P.O. BOX 1055

AIKEN, SC 29802

PHONE NUMBER FOR EMERGENCY (803)649-2527

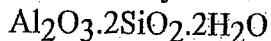
PHONE NUMBER FOR INFORMATION (803)648-3248

DATE REVISED: January 3, 1991

DATE ISSUED: April 15, 2004

### SECTION II - Hazardous Ingredients

CHEMICAL IDENTITY: Hydrous Aluminum Silicate



COMMON NAME: Kaolin Clay C.A.S. NO.: 1332-58-7

Kaolin is a naturally mineral substance formed by the decomposition of feldspatic minerals containing many impurities in small but varying amounts.

OTHER CHEMICALS FOUND IN PRODUCT

COMMON NAME: TITANIUM DIOXIDE 1.3-1.6% CAS NO. 13463-67-7

SILICA (QUARTZ) 1.5-3.8% CAS NO. 14808-60-7

Respirable fractions of quartz typically are no more than 1.0% and the crystalline fraction is much smaller. Air samples in mining and milling operations are typically less than .1%

PERCENT OF WHOLE: 100%

### Section III - Physical/Chemical Characteristics

BOILING POINT: N.A.

SPECIFIC GRAVITY: 2.6

VAPOR PRESSURE: N.A.

MELTING POINT: 1800°C

VAPOR DENSITY: N.A.

EVAPORATION RATE: N.A.

SOLUBILITY IN WATER: INSOLUBLE

APPEARANCE AND ODOR: CREAM POWDER, NO ODOR

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Non-flammable

FLAMMABLE LIMITS: None

LEL: N.A.

UEL: N.A.

EXTINGUISHING MEDIA: Does not burn or support combustion.

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SPECIAL FIRE FIGHTING PROCEDURES: None  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

#### SECTION V - REACTIVITY DATA

STABILITY UNSTABLE CONDITIONS TO AVOID: N.A.  
STABLE : X  
INCOMPATIBILITY (MATERIALS TO AVOID): NONE  
HAZARDOUS DECOMPOSITION PRODUCTS: N.A.  
HAZARDOUS POLYMERIZATION MAY OCCUR  
WILL NOT OCCUR : X  
CONDITIONS TO AVOID: N.A.

#### SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION

Nuisance dust\* OSHA PEL = 15 mg/cu.meter(Total Dust)  
OSHA PEL = 15 mg/cu.meter(Respir. Dust)  
ACGIH TLV = 10 mg/cu.meter(Total Dust)  
ACGIH TLV = 5 mg/cu.meter(Respir. Dust)  
SKIN? NO  
INGESTION? YES

HEALTH HAZARDS: Inhalation of a large amount of Kaolin Clay may cause suffocation. Prolonged breathing of excess dust may cause an adverse pulmonary effect. Ingestion may cause constipation.

CARCINOGENITY: Not listed as a carcinogenic by NTP. IARC Monographs, or OSHA Regulations indicate that Limited evidence suggests the crystalline silica component only is a human carcinogen. Limited evidence means "a causal interpretation is credible, but alternative explanations such as chance, bias, or confounding could not adequately be excluded."

SIGNS AND SYMPTOMS OF EXPOSURE: Prolonged and continuous exposure to airborne dust may have an adverse pulmonary effect on some people. Ingestion may cause constipation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Pulmonary Dysfunction.

EMERGENCY AND FIRST AID PROCEDURES: No special First Aid is required for exposure to Kaolin Clay. Consult a physician if necessary.

#### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Clean with broom and shovel or vacuum.

WASTE DISPOSAL METHOD: Unused material may be disposed of in a sanitary landfill, however used materials may be come contaminated and may require special disposal methods.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Minimize dust generation and exposure. Use dust mask and/or ventilation.

OTHER PRECAUTIONS: Slurry is slippery; care should be exercised when walking on spills on floors or concrete pads.

#### SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Use NIOSH approved dust masks if exposure exceeds TLV.

VENTILATION: Exhaust both local and general can remove the need for respirators.

PROTECTIVE GLOVES: None required. Can cause skin dryness.

EYE PROTECTION: None required, but recommended

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

Other Information: Full TLCP testing has been completed on our finished product. All items on the TLCP list are below reporting thresholds.