

SOUTHEASTERN CLAY CO.

P.O.Box 1055
Aiken, SC 29802

803-649-2527 Plant

803-648-3248 Office

MATERIAL SAFETY DATA SHEET

IDENTITY OF MATERIAL : Reducto

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: June 14, 2004

DATE ISSUED: June 23, 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

OSHA PEL = NOT LISTED

ACGIH TLV = 10 MG./CU. METER

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

OSHA PEL = TOTAL DUST: 30 MG/CU. METER /(%SiO₂+2)

ACGIH TLV= RESPIRABLE FRACTION: 0.1 MG/CU. METER

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

MARKETED BY

**HARWICK STANDARD
DISTRIBUTION CORPORATION**

60 S. Seiberling Street • Akron, Ohio 44305

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Non-flammable
LEL: N.A.
EXTINGUISHING MEDIA: Does not burn or support combustion.
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: Kaolin Clay is not listed as a carcinogen by NTP. An epidemiological study performed on workers in the kaolin processing industry showed that the incidence of lung disease was not significantly higher than the general population. This product contains quartz, which may cause cancer, silicosis or other fibrotic lung diseases with prolonged exposure. The most recent IARC classification of crystalline silica (quartz) lists crystalline silica inhaled in the form of quartz or cristobalite from occupational sources as carcinogenic to humans (Group 1), and NTP lists crystalline silica (quartz) as a carcinogen.

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 become 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.