

# MATERIAL SAFETY DATA SHEET

For compliance with OSHA's 29 CFR 19101200 and Bill No. 70 WHMIS Hazard Communication Standards.

## Section 1: Company and Product Identification

### Product Name:

**TAYLOR BALL CLAY**

### Chemical Name:

**Hydrous Aluminum Silicate**

**Al<sub>2</sub>O<sub>3</sub> • SiO<sub>2</sub> & Trace Minerals (less than 5.0%)**

### Company Name and Address:

**Old Hickory Clay Company**

**P. O. Box 66, 962 State Route 1241**

**Hickory, KY 42051**

**Telephone Number: (270) 247-3042**

**Facsimile Number: (270) 247-1842**

**E-Mail: ken@oldhickoryclay.com**

**Website: <http://www.oldhickoryclay.com>**

## Section 2: Ingredients

### Mineral or Chemical

**Ball Clay**

**Crystalline Quartz (non combined)<sup>(1)</sup>**

*(Most crystalline quartz is non-respirable.)*

### Weight %

**65-95**

**5-30**

### CAS Number

**1332-58-7**

**14808-60-7**

## Section 3: Physical Data

**Solubility in Water**

**Appearance**

**Odor**

**Specific Gravity**

**Insoluble**

**White to Dark Brown**

**Earthy, Especially When Wet**

**2.40 - 2.65**

## Section 4: Fire and Explosion Data

**Non-flammable**

## Section 5: Health Hazard Data

### Exposure Limits:

**Ball Clay**

**Respirable Crystalline Quartz<sup>(1)</sup>**

**PEL Average = 0.54 mg/m<sup>3</sup>\*\***

**OSHA PEL = 0.10 mg/m<sup>3</sup>**

**ACGIH TLV = 0.10 mg/m<sup>3</sup>**

**\*\* This average is based on company historical records generated from ball clay dust exposure tests conducted by the Mine, Safety and Health Administration for a seven year period.**

**<sup>(1)</sup> WARNING: This clay product contains crystalline quartz which may cause delayed respiratory disease (silicosis) if inhaled over a prolonged period of time. Avoid breathing dust. Use NIOSH/MSHA approved respirators where TLV for crystalline quartz is exceeded. IARC Monograph Volume 68, 1997 concludes that the respirable fraction of crystalline quartz causes cancer in humans.**

### Route of Entry: Inhalation, Skin, Eyes

#### First Aid

**Inhalation (Respiratory or breathing problem)**

**Remove from dust and consult physician**

**Skin**

**Flush with water**

**Eyes**

**Flush with water**

## **Section 6: Reactivity Data**

|   |                            |
|---|----------------------------|
| <b>Stability</b>                            | <b>Ball clay is stable</b> |
| <b>Incompatibility (Materials to Avoid)</b> | <b>None</b>                |
| <b>Hazardous Decomposition</b>              | <b>None</b>                |
| <b>Hazardous Polymerization</b>             | <b>Will not occur</b>      |

## **Section 7: Spill, Leak and Disposal Procedures**

### **Steps to be Taken if Material is Released or Spilled**

**If uncontaminated, sweep or vacuum and reuse as product.**

**If contaminated, collect in suitable containers.**

**Ball clay is slippery when wet.**

### **Waste Disposal Method**

**Under RCRA (40 CFR Part 261) ball clay is not a hazardous waste. Ball clay may be disposed of in an approved landfill facility in accordance with applicable federal, state and local regulations; however, consult appropriate regulatory authorities.**

### **Community Right to Know**

**Ball clay is regulated under EPCRA (SARA Title III).**

### **Housekeeping**

**All surfaces should be maintained as free as possible of dust accumulation.**

**Avoid dust generation.**

## **Section 8: Special Protection Information**

### **Respiratory Protection**

**Use NIOSH/MSHA approved dust masks if exposure exceeds TLV.**

### **Ventilation**

**Use local exhaust.**

### **Eye Protection**

**Use NIOSH/OSHA approved safety glasses.**

### **Other Protection Equipment**

**In wet spraying applications, use NIOSH/MSHA approved dust/mist respirators.**

## **Section 9: Transportation Requirements**

### **Department of Transportation Classification**

**Ball clay is not hazardous by D.O.T. regulations.**

## **Section 10: Additional Information**

**It is recommended that the employer obtain a copy of the ASTM E 1132 information package, "Standard Practice for Health Requirements Relating to Occupational Exposure to Quartz Dust." Keep generation of dust and exposure to a minimum.**

*This Material Safety Data Sheet is furnished without charge to responsible persons who use it at their discretion and risk. Although the information and suggestions contained herein have been compiled from sources believed to be reliable, there is no warranty of any kind expressed or implied, as to the completeness or accuracy thereof.*

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*This data sheet is subject to change without notice.*

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