

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:

NO. 5 BALL CLAY

Chemical Name:

**Hydrous Aluminum Silicate
 $Al_2O_3 \cdot SiO_2$ & 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)⁽¹⁾
(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

Insoluble

Appearance

White to Dark Brown

Odor

Earthy, Especially When Wet

Specific Gravity

2.40 - 2.65

Section 4: Fire and Explosion Data

Non-flammable

Section 5: Health Hazard Data

Exposure Limits:

Ball Clay
Respirable Crystalline Quartz⁽¹⁾

PEL Average = 0.54 mg/m³**
OSHA PEL = 0.10 mg/m³
ACGIH TLV = 0.10 mg/m³

**** 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.**

⁽¹⁾ 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

Stability

Ball clay is stable

Incompatibility (Materials to Avoid)

None

Hazardous Decomposition

None

Hazardous Polymerization

Will not occur

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.

MSDS Preparation Date: November 4, 1997

This data sheet is subject to change without notice.

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