

SECTION 1	IDENTIFICATION
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Product

Name: Ball Clay Slurry

Other Names: Ball Clay; Kaolinite

Recommended Uses: Mineral filler; Ceramics

Company Identification:

H.C. Spinks Clay Company

P.O. Box 820

Paris, Tennessee 38242

731-642-5414

Emergency Phone Number:

Spinks 731-642-5414

SECTION 2	HAZARDS(S) IDENTIFICATION
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Classification

Carcinogen – Category 1

Specific Target Organ Toxicity Single Exposure – Category 3  
(Respiratory System)

Specific Target Organ Toxicity Repeat Exposure – Category 1  
(Respiratory System)

Labeling:

Pictograms:



Signal Word(s): Danger

Hazard Statements:

May cause respiratory irritation.

Causes damage to lungs through prolonged or repeated exposure when inhaled.

May cause cancer through inhalation.



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### Precautionary Statements:

Wash exposed skin thoroughly after handling. Do not breathe dust if dry. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.

If exposed or concerned: Get medical advice

Dispose of contents or containers in accordance with applicable regulations.

Other Hazards: None.

SECTION 3	COMPOSITION/ INFORMATION ON INGREDIENTS
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Chemical Name: Ball Clay Slurry

Common names and synonyms: Ball Clay; Kaolinite

Chemical Identity	CAS #	Concentration, % Wt.
Ball Clay	1332-58-7	> 40
Crystalline Silica	14808-60-7	< 18
Titanium Dioxide	13463-67-7	< 2
Water	7732-18-5	Balance

SECTION 4	FIRST AID MEASURES
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Inhalation: Move victim to fresh air. Seek medical attention if necessary.

Ingestion: Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed: This product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.

Note to Physician: Provide general supportive measures and treat symptomatically.

SECTION 5	FIREFIGHTING MEASURES
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Extinguishing Media

Appropriate Extinguishing Media: Use dry chemical fire extinguisher or water



Inappropriate Extinguishing Media: None

Firefighting

Fire Hazards: Ball Clay Slurry is not combustible or flammable. Ball Clay Slurry is not considered to be an explosive hazard.

Hazardous Combustion Products: None

Special Protective Equipment and Fire Fighting Instructions: None

SECTION 6	ACCIDENTAL RELEASE MEASURES
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Personal Precautions: Use proper protective equipment.

Environmental Precautions: For large spills, as much as possible, avoid the generation of dusts. Prevent release to sewers or waterways.

Methods and Materials for Containment and Cleaning Up:

Small Spills: Use wet material containment methods to collect spilled materials. Avoid generating dust if dry. Do not clean up with compressed air. Residue on surfaces may be water washed.

Large Spills: Use wet material methods to collect spilled materials. If material has sufficiently dried to generate dust, evacuate area downwind of clean-up operations to minimize dust exposure.

SECTION 7	HANDLING AND STORAGE
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Precautions for Safe Handling: None

Conditions for Safe Storage, Including any Incompatibilities: None

SECTION 8	EXPOSURE CONTROLS/ PERSONAL PROTECTION
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Control Parameters:

Component	CAS #	Exposure Limits
Ball Clay	1332-58-7	OSHA PEL: 15 mg/m <sup>3</sup> (total) 5 15 mg/m <sup>3</sup> (respirable) ACGIH TLV: 10 mg/m <sup>3</sup>
Crystalline Silica	14808-60-7	OSHA PEL: 0.050 mg/m <sup>3</sup> as an 8 hr. TWA (respirable) ACGIH TLV: 0.025 mg/m <sup>3</sup> (respirable)
Titanium Dioxide	13463-67-7	OSHA PEL: 15 mg/m <sup>3</sup> (total) ACGIH TLV: 10 mg/m <sup>3</sup>



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Appropriate Engineering Controls: Provide ventilation adequate to maintain PELs.

### Personal Protection

Respiratory Protection: Use NIOSH approved respirators if airborne concentration exceeds PEL.

Eye Protection: Use safety glasses with side shields or safety goggles.

Skin Protection: Clothing should fully cover arms and legs.

Other: Eye wash fountain and emergency showers are recommended.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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#### Appearance

Physical State: A Water Slurry or Suspension of Clay Solids

Color: White, grayish-white or black

Odor: Earthy odor

Odor Threshold: N/ A

pH: 5 - 7 @ 25° C

Melting Point: N/A

Initial Boiling Point: N/A

Freezing Point: N/ A

Flash Point: N/ A

Evaporation Rate: N/ A

Flammability (solid, gas): Non-flammable

Explosion Limits: N/ A

Vapor Pressure: N/ A

Vapor Density: N/ A

Relative Density: 1.6 – 1.62 g/ cm<sup>3</sup> (apparent)

Solubility(ies): Not readily soluble in water

Partition coefficient: Relatively insoluble



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Auto-ignition Temperature: N/ A

Decomposition Temperature: N/ A

Viscosity: 140 – 340 cps

**SECTION 10**

**STABILITY AND REACTIVITY**

Reactivity: Normally stable.

Chemical Stability: Ball Clay Slurry is chemically stable.

Possibility of Hazardous Reactions: Normally stable

Conditions to Avoid: N/A

Incompatible Materials: None known

Hazardous Decomposition Products: None

**SECTION 11**

**TOXICOLOGICAL INFORMATION**

Health Effects: see First Aid discussion in Section 4

Routes of Exposure: see First Aid discussion in Section 4

Symptoms Related to Exposure: see First Aid discussion in Section 4

Carcinogen Listing: Ball Clay Slurry is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled.

**SECTION 12**

**ECOLOGICAL INFORMATION**

Ecotoxicity: None Expected

Persistence and Degradability: N/A

Bioaccumulation Potential: This material shows no bioaccumulation effect or food chain concentration toxicity.

Mobility in Soil: Minimal mobility in soil.

Other Adverse Effects: N/A



SECTION 13	DISPOSAL CONSIDERATIONS
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Disposal Recommendations: Dispose of in accordance with all applicable federal, state, and local environmental regulations.

Regulatory Disposal Information: If this product as supplied, and unmixed, becomes a waste, it will not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act.

SECTION 14	TRANSPORT INFORMATION
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UN Number: Not Regulated

UN Proper Shipping Name: Not Regulated

Transport Hazard Class(es): Not Regulated

Packing Group: Not Regulated

Marine Pollutant (y/n): No

Special Precautions: None

SECTION 15	REGULATORY INFORMATION
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National Chemical Inventory Listings:

All chemical ingredients are listed on the USEPA TSCA Inventory List.

US Regulations:

RCRA Hazardous Waste Number: not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261): not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001;

CWA, Sec. 311 (b) (4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ) not listed.

SARA 311/312 Codes: not listed.

SARA Toxic Chemical (40 CFR 372.65): not listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ): not listed

Specific State Regulations: **⚠️ WARNING:** This product can expose you to chemicals, including crystalline silica, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

These naturally occurring impurities may also be regulated by other States.

Canadian DSL: Listed

Canadian NPRI: None of the components are listed

CEPA Toxic Substances: None of the components are listed



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Abbreviations:

N/A	Not Available or Not Applicable
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
	ACGIH American Conference of Governmental
ACGIH	Industrial Hygienists
TWA	Time Weighted Average
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
REL	Recommended Exposure Limit

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