



Big River Industries, Inc.

## Material Safety Data Sheet

This complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200

<b>IDENTITY (As used on Label and List)</b> Expanded Clay Lightweight Aggregate (CAS # 68334-37-2)	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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### Section I

<b>Manufacturer's Name</b> BIG RIVER INDUSTRIES, INC	<b>Emergency Telephone Number</b> (225) 627-4242
<b>Address (Number, Street, City, State, and ZIP Code)</b> P. O. Box 190	<b>Telephone Number for Information</b> (225) 627-4242
Erwinville, LA 70729	<b>Date Prepared</b> 01/05/04
	<b>Signature of Preparer (optional)</b>

### Section II – Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
SiO <sub>2</sub> SILICON DIOXIDE (CAS # 14808-60-7)		10*		64.60
Fe <sub>2</sub> O <sub>3</sub> FERRIC OXIDE (CAS # 1309-37-1)		10*		6.55
Al <sub>2</sub> O <sub>3</sub> ALUMINUM OXIDE (CAS # 1344-28-1)		10*		20.57
CaO CALCIUM OXIDE (CAS # 1305-78-8)		3*		0.84
MgO MAGNESIUM OXIDE (CAS # 1309-48-4)		10*		2.91
* Milligrams per cubic meter (Mg/M <sup>3</sup> )				

### Section III – Physical/Chemical Characteristics

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.32 (SSD)
<b>Vapor Pressure (mm Hg.)</b>	N/A	<b>Melting Point</b>	2100 F
<b>Vapor Density (AIR = 1)</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1)</b>	Not Available
<b>Solubility in Water</b> N/A			
<b>Appearance and Odor</b> Reddish, brown angular with no odor			

### Section IV – Fire and Explosion Hazard Data

<b>Flash Point (Method Used)</b> N/A	<b>Flammable Limits</b> N/A	<b>LEL</b> N/A	<b>UEL</b> N/A
<b>Extinguishing Media</b> N/A			
<b>Special Fire Fighting Procedures</b> N/A			
<b>Unusual Fire and Explosion Hazards</b> None known			

### Section V – Reactivity Data

<b>Stability</b>	Unstable		<b>Conditions to Avoid</b> None Known
	Stable	X	
<b>Incompatibility (Materials to Avoid)</b> None Known			
<b>Hazardous Decomposition or Byproducts</b> None Known			
<b>Hazardous Polymerization</b>	May Occur		<b>Conditions to Avoid</b> None Known
	Will Not Occur	X	

## Section VI – Health Hazard Data

<b>Route(s) of Entry:</b>	<b>Inhalation?</b> X	<b>Skin?</b> X	<b>Ingestion?</b> X
<b>Health Hazards</b> ( <i>Acute and Chronic</i> ) Exposure to dust may irritate respiratory system, eyes and skin			
<b>Carcinogenicity:</b> No	<b>NTP?</b> No	<b>IARC Monographs?</b> No	<b>OSHA Regulated?</b> No
<b>Signs and Symptoms of Exposure</b> Irritated eyes from dust, difficulty in breathing, irritated skin.			
<b>Medical Conditions Generally Aggravated by Exposure</b> Respiratory system, irritated eyes or open wounds.			
<b>Emergency and First Aid Procedures</b> Eyes-Flush with running water. Dust Inhalation-Move to fresh air. Skin-Wash with soap and water. Contact physician if irritation persists.			

## Section VII – Precautions for Safe Handling and Use

<b>Steps to Be Taken in Case Material is Released or Spilled</b> Spilled material may generate dust. Wetting will help reduce dust levels. Respiratory protective equipment may be necessary.
<b>Waste Disposal Method</b> Pickup and reuse clean material. Dispose of waste material in accordance with applicable federal, state and local regulations.
<b>Precautions to be Taken in Handling and Storing</b> Respirable dust may be generated during processing, handling or storage. Control measures as outlined in section VIII should be followed.

<b>Other Precautions</b>	None Known

**Section VIII – Control Measures**

<b>Respiratory Protection</b> ( <i>Specify Type</i> ) NIOSH – MSHA Approved Dust Respirators		
<b>Ventilation</b>	<b>Local Exhaust</b> X	<b>Special</b> N/A
	<b>Mechanical</b> ( <i>General</i> ) X	<b>Other</b> N/A
<b>Protective Gloves</b> Recommended but not required		<b>Eye Protection</b> Safety glasses with side shields
<b>Other Protective Clothing or Equipment</b> Long sleeves and trousers recommended, but not required.		
<b>Work/Hygienic Practices</b> Wash exposed skin with soap and water. Wash work cloths as necessary.		