



Big River Industries, Inc.

Material Safety Data Sheet

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

IDENTITY (As used on Label and List) 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

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

Section II – Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
SiO ₂ SILICON DIOXIDE (CAS # 14808-60-7)		10*		64.60
Fe ₂ O ₃ FERRIC OXIDE (CAS # 1309-37-1)		10*		6.55
Al ₂ O ₃ 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 ³)				

Section III – Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H₂O = 1)	1.32 (SSD)
Vapor Pressure (mm Hg.)	N/A	Melting Point	2100 F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	Not Available
Solubility in Water N/A			
Appearance and Odor Reddish, brown angular with no odor			

Section IV – Fire and Explosion Hazard Data

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

Section V – Reactivity Data

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

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
Health Hazards (<i>Acute and Chronic</i>) Exposure to dust may irritate respiratory system, eyes and skin			
Carcinogenicity: No	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure Irritated eyes from dust, difficulty in breathing, irritated skin.			
Medical Conditions Generally Aggravated by Exposure Respiratory system, irritated eyes or open wounds.			
Emergency and First Aid Procedures 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

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

Other Precautions	None Known

Section VIII – Control Measures

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