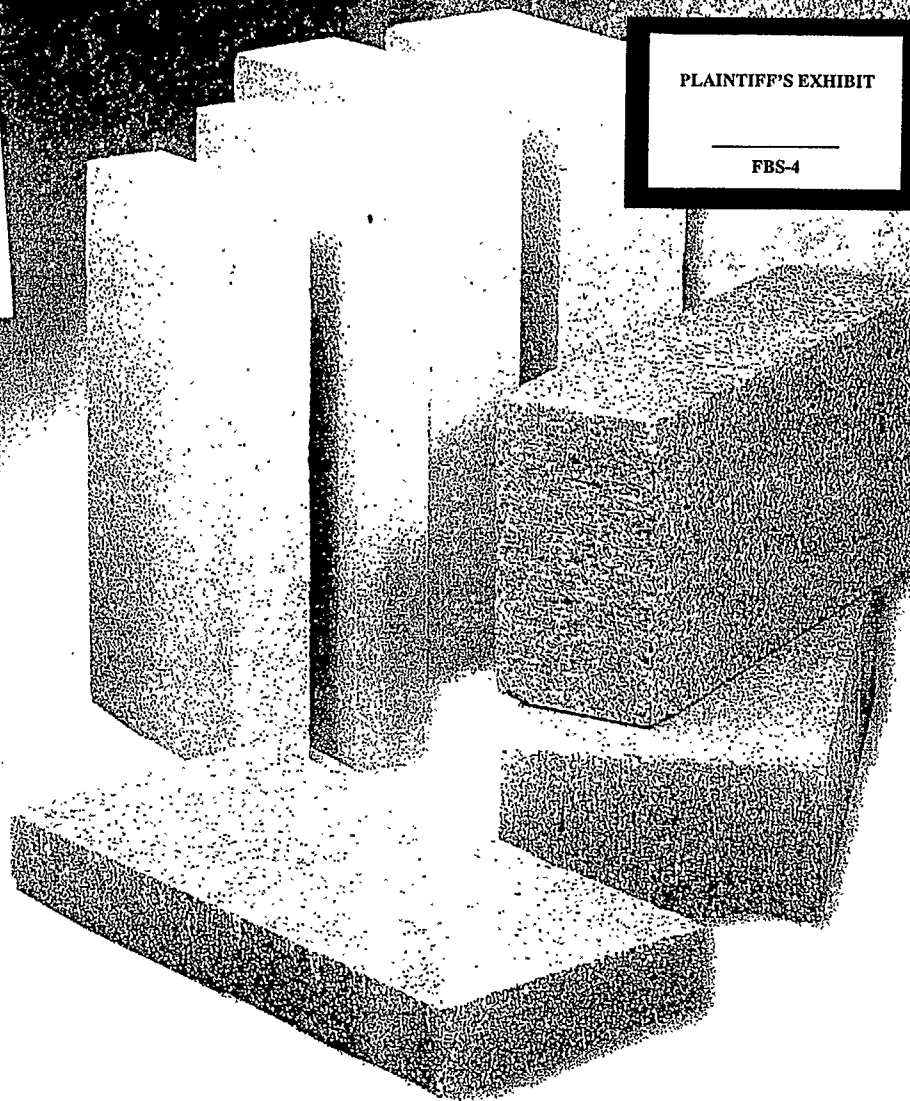


WHITACRE VACUUM DRY PRESSED FIREBRICK

Attractive Whitacre Greer Dry-Pressed fireplace bricks brighten up the hearth while reflecting maximum heat into the living area.

PLAINTIFF'S EXHIBIT

FBS-4



- Accurate Dimensions. Dry pressing provides consistency and uniformity for easier installation and a high quality finished product.
- Variety of sizes.
- ASTM C-1261 Firebox Brick for Residential Fireplaces

NOW... ADD OLD WORLD CHARM with COBBLED FIREPLACE BRICK

Buff or warm red cobbled fireplace bricks lend an old world look to the hearth, adding charm to any fireplace even before logs are ignited.

THE PAVER PLACE



WHITACRE GREER
Quality Since 1900

1400 S. Mahoning Ave. • Alliance, Ohio 44601 • 330-823-1610 • 1-800-947-2837
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Firebrick/Ladle Brick
Material Safety Data Sheet

Section 1

Product Identification

Manufacturer: The Whitacre-Greer Fireproofing Co.
Address: 1400 S. Mahoning Ave.
Alliance, OH 44601
Telephone: (330) 823-1610
Fax: (330) 823-5502

Product Type: Ladle brick, Firebrick, Low Duty Refractory
Product Name, Sales Name or Trade Name: W-G

Section 2

Hazardous Ingredients

Chemical Name	Common Name	CAS Number	Percent	OSHA PEL	ACGIH TLV	Carcinogen*
Al ₂ O ₃	Alumina	1344-28-1	30.0%	N/A	10 Mg/m ³	No
SiO ₂	Cristobalite	14464-46-1	8.0%	.01 Mg/m ³	.01 Mg/m ³	Yes
SiO ₂	Quartz	14808-60-7	1.0%	.01 Mg/m ³	.01 Mg/m ³	Yes

* Per NTP and IARC lists and the State of California.

Section 3

Physical Data

Appearance:	Buff or Red Colored Brick	Odor:	None
Specific Gravity:	2.7	Melting Point:	1500 C
Boiling Point:	N/A	Vapor Pressure:	NI
Evaporation Rate:	N/A	Solubility in H ₂ O:	N/A
Solubility in Alcohol:	N/A	Other Solvents:	NI
Percent Volatile by Vol:	N/A	Vapor Density:	NI

Section 4

Fire and Explosion Hazard Data

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

Section 5

Health Hazard Data

Primary Routes of Entry

Inhalation:
Ingestion:
Skin Contact and Absorption:
Eyes:

Exposure Symptoms

Respiratory Irritation
NE
N/A
Irritation

Emergency Procedures

Remove to Fresh Air
NE
N/A
Flush with Water

Other Potential Health Risks:

Dust may aggravate pre-existing conditions and lung diseases. Inhalation of crystalline quartz may cause Silicosis which may progress to cancer and may lead to death. Dust from cutting and handling brick may contain crystalline silica which is a chemical known to the State of California to cause cancer. Silica is listed in IARC Monograph 68 as a known human carcinogen. Inhalation may cause cancer which could lead to death.

Firebrick/Ladle Brick
Material Safety Data Sheet

Section 6

When
Installation:
Removal:

Potential Exposure

Hazard Form
Dust from handling and cutting brick - see note under Special Precautions
Dust from tearing-out brick after service

Section 7

Corrosivity and Reactivity Data

Stability (stable or unstable):	Stable
Incompatibility (Materials to avoid):	None
Decomposition Products:	N/A
Conditions to be Avoided	NE

Section 8

Disposal Procedures

Spill or Leak Procedures:
Waste Disposal Method:

Use dustless vacuum or sweep up using dust suppressant
Approved landfill in accordance with all Federal, State and Local regulations.

Section 9

Personal Protective Equipment/Procedures

Respiratory Protection: Yes

Type: NIOSH or MSHA Approved dust Respirator

Ventilation:

Local:
Mechanical (General):
Other:

Protective Gloves:

Yes

Eye Protection:

Yes

Other Equipment:

Safety Shoes

Action to be taken during repair and maintenance of equipment that has been in contact with this product: None

Section 10

Special Precautions

During Storage:

None

Other:

- A) Brick work must be completely dry before introduction of molten metal to avoid explosion from steam.
- B) See ASTM E1132-86, "Standard Practice for Health Requirements Relating to Occupational Exposure to Quartz Dust."
- C) Avoid creating and breathing dust. Dust generated by dry sawing may contain crystalline silica. Wet sawing is recommended.

Section 11

Preparation/Revision

Date: 2/8/93 Revised 5/1/98

N/A = Not Applicable

NI = No Information or Test Data

NE = Not Established