



A. MANUFACTURER/DISTRIBUTOR

COMPANY: COLUMBUS BRICK COMPANY
P.O. BOX 9630 - COLUMBUS, MS 39705

PHONE NUMBERS: 662-328-4931

DATE PREPARED: JULY 1, 2000

B. PRODUCT IDENTIFICATION

PRODUCT NAME(S): BRICK

CHEMICAL NAME: MIXTURE

CHEMICAL FAMILY: PREDOMINANTLY ALUMINUM SILICATES

FORMULA: MIXTURE

C. PRODUCT COMPONENT(S)

<u>COMPONENTS</u>	<u>CAS NO.</u>	<u>%BY WEIGHT</u>	<u>ACQIH TLV</u>	<u>OSHA PEL</u>
ALUMINUM SILICATES	VARIOUS	75-85	10 MG/M ³	15 MG/M ³
IRON COMPOUNDS	VARIOUS	0-5	10 MG/M ³	10 MG/M ³
CALCIUM COMPOUNDS	VARIOUS	0-12	15 MG/M ³	15 MG/M ³
QUARTZ	14808-60-7	VARIES	0.1 MG/M ³ (RESPIRABLE)	10 MG/M ³
BARIUM COMPOUNDS	VARIOUS	0-3	NE	%SiO ₂ +2(RESPIRABLE) NE
IRON CHROMITE	1308-31-2	0-3	1 MG/M ³	1 MG/M ³
MANGANESE COMPOUNDS	VARIOUS	0-3	NE	NE
MAGNESIUM COMPOUNDS	VARIOUS	0-3	NE	NE
BOTTOM ASH	VARIOUS	0-16	NE	NE

D. PERSONAL PROTECTION INFORMATION

VENTILATION: WHEN SAWING BRICK, USE ADEQUATE VENTILATION TO MAINTAIN EXPOSURE BELOW THE OSHA PEL AND ACQIH TLV.

RESPIRATORY PROTECTION: FOR CONCENTRATIONS EXCEEDING THE OSHA PEL OR ACQIH TLV. USE NIOSH/MSHA APPROVED RESPIRATOR.

EYE PROTECTION: USE SAFETY GLASSES WITH SIDE SHIELDS. FACE SHIELDS SHOULD ALSO BE USED WHERE DRY SAWING OF BRICK OCCURS.

SKIN PROTECTION: USE GLOVES AND/OR PROTECTIVE CLOTHING IF ABRASION OR ALLERGIC REACTIONS ARE EXPERIENCED.

OTHER: WEAR STEEL-TOED SAFETY SHOES. A WET SAW IS RECOMMENDED FOR SAWING BRICK.

E. HANDLING AND STORAGE PRECAUTIONS

AVOID DUST INHALATION, EYE CONTACT AND EXCESSIVE OR PROLONGED SKIN CONTACT. WEAR PROTECTIVE EQUIPMENT AND/OR GARMENTS DESCRIBED IN SECTION D IF EXPOSURE CONDITIONS WARRANT.

F. REACTIVITY DATA

STABILITY: STABLE X UNSTABLE _____
CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN

HAZARDOUS POLYMERIZATION: MAY OCCUR _____ WILL NOT OCCUR X

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN



G. HEALTH HAZARD DATA*

RECOMMENDED EXPOSURE LIMITS: SEE SECTION C

ACUTE EFFECTS OF OVEREXPOSURE:

EYE: MAY CAUSE MILD TO SEVERE IRRITATION BY ABRASION WITH DUST OR CHIPS.
SKIN: BRICK DUSTS OR CHIPS MAY CAUSE ALLERGIC REACTIONS. EXCESSIVE EXPOSURE MAY RESULT IN ABRASIONS.
INHALATION: BRICK DUSTS OR CHIPS MAY CAUSE CONGESTION AND IRRITATION IN NASAL AND RESPIRATORY PASSAGES.
INGESTION: NONE KNOWN.

SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

EXCESSIVE EXPOSURE TO PARTICULATES (DUST) OVER AN EXTENDED PERIOD OF TIME MAY RESULT IN THE DEVELOPMENT OF PULMONARY DISEASES.

CARCINOGENICITY:

NTP CLASSIFIES RESPIRABLE CRYSTALLINE SILICA AS A KNOWN CARCINOGEN. IARC CLASSIFIES RESPIRABLE CRYSTALLINE SILICA (QUARTZ/CRISTOBOLITE) AS A GROUP 1 CARCINOGEN.

FIRST AID AND EMERGENCY PROCEDURES:

EYE: FLUSH EYES WITH RUNNING WATER. OBTAIN MEDICAL ASSISTANCE IF IRRITATION CONTINUES.
INHALATION: REMOVE FROM EXPOSURE TO AIRBORNE PARTICULATE. CONSULT A PHYSICIAN IF BREATHING DOES NOT RETURN TO NORMAL.
INGESTION: N/A
SKIN: WASH WITH SOAP AND WATER. IF AN ALLERGIC REACTION CAUSES A RASH THAT DOES NOT HEAL IN AN APPROPRIATE TIME, CONSULT A PHYSICIAN. TREAT ABRASIONS AS ANY OTHER SCRAPE OR CUT, WITH DISINFECTANTS AND BANDAGES.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

EXCESSIVE DUST EXPOSURE MAY AGGRAVATE ANY EXISTING RESPIRATORY DISORDERS OR DISEASES. POSSIBLE COMPLICATIONS OF ALLERGIES RESULTING IN IRRITATION TO SKIN, EYES AND RESPIRATORY PASSAGES MAY OCCUR FROM EXCESSIVE EXPOSURE TO DUSTS.

H. PHYSICAL DATA

APPEARANCE AND ODOR: GRANULAR SOLID, ESSENTIALLY ODORLESS, WIDE RANGE OF COLORS.
BOILING POINT: NA
SPECIFIC GRAVITY (H₂O=1): 2.6 (APPROXIMATE)
VAPOR PRESSURE: NA
PERCENT VOLATILE BY VOLUME: NA
VAPOR DENSITY: NA
SOLUBILITY IN WATER: NEGLIGIBLE
EVAPORATION RATE (ETHYL ETHER = 1): NA
PH: NA

THE DUST GENERATED FROM DRY SAWING BRICK MAY CONTAIN SILICA AND MAY BE A POTENTIAL HEALTH PROBLEM FOR THE LUNGS.



I. FIRE AND EXPLOSION DATA

FLASH POINT: NA
 FLAMMABLE LIMITS (% BY VOLUME IN AIR): LEL NA VEL NA
 FIRE EXTINGUISHING MEDIA: NA
 SPECIAL FIRE FIGHTING PROCEDURES: NA
 FIRE AND EXPLOSION HAZARDS: NA

J. SPILL OR LEAK PROCEDURES

THE ONLY CONCERN IS TO CONTROL DUSTS.

K. WASTE DISPOSAL

THIS MATERIAL IS CLASSED AS A NON-HAZARDOUS SOLID WASTE FOR DISPOSAL.

L. RCRA CLASSIFICATION NA

M. DOT SHIPPING DATA NA

N. PROTECTION REQUIRED FOR WORK ON CONTAMINATED EQUIPMENT NA

O. HAZARD CLASSIFICATION

THIS PRODUCT MEETS THE FOLLOWING HAZARD DEFINITION(S) AS DEFINED BY THE OCCUPATIONAL SAFETY AND HEALTH HAZARD COMMUNICATION STANDARD SECTION 1810.1200:

<input type="checkbox"/> COMBUSTIBLE LIQUID	<input type="checkbox"/> FLAMMABLE AEROSOL
<input type="checkbox"/> COMPRESSED GAS	<input type="checkbox"/> EXPLOSIVE
<input type="checkbox"/> FLAMMABLE GAS	<input checked="" type="checkbox"/> HEALTH HAZARD
<input type="checkbox"/> FLAMMABLE LIQUID	<input type="checkbox"/> ORGANIC PEROXIDE
<input type="checkbox"/> FLAMMABLE SOLID	<input type="checkbox"/> OXIDIZER
<input type="checkbox"/> PYROPHORIC	<input type="checkbox"/> UNSTABLE
<input type="checkbox"/> WATER REACTIVE	

P. SARA (TITLE III) REPORTS

COMPONENTS OF THIS PRODUCT THAT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA AND 40 CFR PART 372:
NA

COMPONENTS OF THIS PRODUCT THAT ARE INCLUDED IN THE SARA EXTREMELY HAZARDOUS SUBSTANCE LIST (40 CFR PART 355):
NA

Q. OTHER INFORMATION

Columbus Brick Company considers our product an "article" as defined in 29 CFR Par 1200 (b) (5) (Iv) and 40 CFR Part 372.38. As an article, a MSDS is not required and the product is exempt from all other requirements of the hazardous communication standard. OSHA requires a MSDS for brick since it is occasionally dry sawed.

NA – Not Applicable

NE – Not Established