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FROM :TCP

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MATERIAL SAFETY DATA SHEET

A. MANUFACTURER/DISTRIBUTOR

COMPANY:

TAYLOR CLAY PRODUCTS/Distributed by Green Leaf Brick - The Red Tree Group

P.O. BOX 2128

SALISBURY, NC 28145

PHONE:

704-636-2411

B. PRODUCT IDENTIFICATION

PRODUCT NAME:

BRICK, GREEN LEAF BRICK

CHEMICAL NAME:

MIXTURE

CHEMICAL FAMILY:

PREDOMINANTLY ALUMINUM SILICATES

FORMULA:

MIXTURE

C. PRODUCT COMPONENTS

		% BY	ACQIH	OSHA
COMPONENTS	CAS NO	WEIGHT	TLV	PEL
ALUMINUM SILICATES	VARIOUS	75-85	10 MG/M <sup>2</sup>	15 MG/M <sup>2</sup>
IRON COMPOUNDS	VARIOUS	R-5	10 MG/M <sup>2</sup>	10 MG/M <sup>2</sup>
CALCIUM COMPOUNDS'	VARIOUS	0-12	15 MG/M <sup>2</sup>	15 MG/M <sup>2</sup>
QUARTZ	14808-60-7	VARIES	0.1 MG/M <sup>2</sup>	10 MG/M <sup>2</sup>
			(RESPIRABLE)	SIO2*2 (RESPIRABLE)
BARIUM COMPOUNDS	VARIOUS	0-3	NE	NE
IRON CHROMITE	1308-31-2	0-3	1 MG/M <sup>2</sup>	1 MG/M <sup>2</sup>
MANGANESE COMPOUNDS	VARIOUS	0-3	NE	NE
MAGNESIUM COMPOUNDS	VARIOUS	0-3	NE	NE
BOTTOM ASH	VARIOUS	0-18	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 ACOIN 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 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

CONDITIONS TO AVOID:

NONE KNOWN

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.

INCESTION:

NONE KNOWN.

#### SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

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

#### CARCINOGENICITY:

HTP AND OSHA DO NOT INCLUDE THIS MATERIAL OR ITS COMPONENTS IN THEIR CARCINOGEN LISTINGS. ARC HAS CLASSED RESPIRABLE CRYSTALLINE SILICA (QUARTZ) AS A CLASS 2A CARCUNIGEN.

## 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.

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 AGGRIVATED 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.

The dust generated from dry sawing brick may contain sitica and may be a potential health problem for the lungs although we are unaware of scientific evidence of a health problem.

#### PHYSICAL DATA H.

APPEARANCE AND ODOR: GRANULAR SOLID, ESSENTIAL ODORLESS, WIDE RANGE OF COLORS.

BOILING POINT: NA

SPECIFIC GRAVITY (HSO =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

#### FIRE AND EXPLOSION DATA T.

FLASH POINT:

NA

FLAMABLE LIMITS (% BY VOLUME IN AIR):

LEL NA VEL NA

FIRE EXTINGUISHING MEDIA:

NA

SPECIAL FIRE FIGHTING PROCEDURES:

NA

FIRE AND EXPLOSION HAZARDS:

NA

#### SPILL OR LEAK PROCEDURES J.

THE ONLY CONCERN IS TO CONTROL DUSTS.

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K.	WA	STE	DISPO	SAL.
124	A A T.			

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.
    - COMBUSTIBLE LIQUID FLAMMABLE AEROSOL
      COMPRESSED GAS EXPLOSIVE
      FLAMMABLE GAS X HEALTH HAZARD
      FLAMMABLE LIQUID ORGANIC PEROXIDE
      FLAMMABLE SOLID OXIDIZER
      PYROPHORIC UNSTABLE
  - BASED ON INFORMATION PRESENTLY AVAILABLE, THIS PRODUCT DOES NOT MEET ANY OF THE HAZARD DEFINITIONS OF 29 CFR SECTION 1910.1200.

# 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 372.

N.A

## O. OTHER INFORMATION

\*TAYLOR CLAY PRODUCTS CONSIDERS OUR PRODUCT AN "ARTICLE" AS DEFINED IN 29 CFR PART 1200 (B)(S)(TV) AND 40 CFR PART 372.38. AS AN ARTICLE, AN MSDS IS NOT REQUIRED AND THE PRODUCT IS EXEMPT FROM ALL OTHER REQUIREMENTS OF THE HAZARDOUS COMMUNICATIONS STANDARD. OSHA REQUIRES A MSDS FOR BRICK SINCE IT IS OCCASIONALLY DRY SAWED.