MATERIAL SAFETY DATA SHEET

A. MANUFACTURER/DISTRIBUTOR

COMPANY: TAYLOR CLAY PRODUCTS/Distributed by Green Leaf Brick – The Red Tree Group
P.O. BOX 2126
SALESURY, 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

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>CAS NO</th>
<th>% BY WEIGHT</th>
<th>ACQH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINUM SILICATES</td>
<td>VARIOUS</td>
<td>75-85</td>
<td>10 MG/M³</td>
<td>15 MG/M³</td>
</tr>
<tr>
<td>IRON COMPOUNDS</td>
<td>VARIOUS</td>
<td>8-2</td>
<td>10 MG/M³</td>
<td>10 MG/M³</td>
</tr>
<tr>
<td>CALCIUM COMPOUNDS</td>
<td>VARIOUS</td>
<td>0-12</td>
<td>15 MG/M³</td>
<td>15 MG/M³</td>
</tr>
<tr>
<td>QUARTZ</td>
<td>14808-66-7</td>
<td>VARIIES</td>
<td>0.1 MG/M³</td>
<td>10 MG/M³</td>
</tr>
<tr>
<td>BARIUM COMPOUNDS</td>
<td>VARIOUS</td>
<td>0-3</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>IRON CHROMITE</td>
<td>1308-31-2</td>
<td>0-3</td>
<td>1 MG/M³</td>
<td>1 MG/M³</td>
</tr>
<tr>
<td>MANGANESE COMPOUNDS</td>
<td>VARIOUS</td>
<td>0-3</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>MAGNESIUM COMPOUNDS</td>
<td>VARIOUS</td>
<td>0-3</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>BOTTOM ASH</td>
<td>VARIOUS</td>
<td>0-18</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

D. PERSONAL PROTECTION INFORMATION

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

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

EYE PROTECTION: USE SAFETY GLASSES WITH SIDE SHIELDS.
FACE SHELVES 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 \( \times \) UNSTABLE \( \_ \)

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN

HAZARDOUS POLYMERIZATION: MAY OCCUR \( \_ \) WILL NOT OCCUR \( \times \)

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.

INGESTION: 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 CRYSSTALLINE SILICA (QUARTZ) AS A CLASS 2A CARCINIGEN.

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 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.

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

H. PHYSICAL DATA

APPEARANCE AND ODOR: GRANULAR SOLID, ESSENTIAL 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

I. FIRE AND EXPLOSION DATA

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

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

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

- COMBUSTIBLE LIQUID
- COMPRESSED GAS
- FLAMMABLE GAS
- FLAMMABLE LIQUID
- FLAMMABLE SOLID
- PYROPHORIC
- WATER REACTIVE
- FLAMMABLE AEROSOL
- EXPLOSIVE
- HEALTH HAZARD
- ORGANIC PEROXIDE
- OXIDIZER
- 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.

NA

Q. OTHER INFORMATION

"TAYLOR CLAY PRODUCTS CONSIDERS OUR PRODUCT AN "ARTICLE" AS DEFINED IN 29 CFR PART 1200 (B)(5)(IV) 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 SAWSED.

NA – NOT APPLICABLE  NE – NOT ESTABLISHED