SECTION I, MATERIAL IDENTIFICATION

Material Trade Name: 6T CLAY #6 Tile Clay
Chemical Name: Hydrous Aluminum Silicate
Common Name: Kaolin Clay/China clay
Physical Form: Pulverized

CAS No. 1332-58-7

SECTION II, INGREDIENT AND HAZARDS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Wt.% (Approx.)</th>
<th>HAZARD DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaolin Clay - Al₂O₃·2SiO₂·2H₂O</td>
<td>&gt;96%</td>
<td>KAOLIN OSHA PEL* ACGIH TLV*</td>
</tr>
<tr>
<td>Water</td>
<td>&lt;4%</td>
<td>Respirable 5.0 mg/m³ 5 mg/m³</td>
</tr>
<tr>
<td>Free crystalline silica (quartz) - SiO₂</td>
<td>&lt;1%</td>
<td>Total Dust 10.0 mg/m³ 10 mg/m³</td>
</tr>
<tr>
<td>CAS# 14808-60-7</td>
<td></td>
<td>SILICA Respirable 0.1 mg/m³ 0.1 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total Dust ... ...</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*TWA for 8 hours</td>
</tr>
</tbody>
</table>

SECTION III, PHYSICAL DATA

Boiling Point - Not Applicable
Specific Gravity of Kaolin - 2.62
Appearance & Odor - White, odorless powder
pH 20% aqueous suspension - 4.0 - 6.5
Solubility in water - Insoluble

SECTION IV, FIRE AND EXPLOSION DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>LOWER</th>
<th>UPPER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>None</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Nonflammable, nonexplosive

SECTION V, HEALTH HAZARD INFORMATION (See Sect. II)

Skin contact, skin absorption, eye contact, ingestion: Hazard Classification - None.

On the basis of initial experimental tests in animals and limited epidemiological studies in human populations, the International Agency for Research on Cancer (IARC) has concluded that there is limited evidence for the carcinogenicity of crystalline silica (quartz) to humans. Avoid prolonged or repeated inhalation of dust. Long term exposure to free silica (quartz) dust may cause silicosis.
SECTION VI, REACTIVITY DATA

Conditions contributing to instability - None, inert and nonreactive.
Incompatibility - None, inert and nonreactive.
Hazardous Decomposition Products - None, inert and nonreactive.
Conditions Contributing to Hazardous Polymerization - None, inert and nonreactive.

SECTION VII, SPILL, LEAK, AND DISPOSAL PROCEDURES

Aquatic toxicity: Insignificant. TLM 96: over 1000 ppm.
Waste Disposal Method: Landfill
Steps to be taken if material is released or spilled: Vacuum dust. If sweeping, use dust suppressant.
Neutralizing chemicals: None required. Material is inert.

SECTION VIII, SPECIAL PROTECTION INFORMATION

Ventilation requirements: Same as for any nuisance dust.
Specific Personal Protective Equipment: Respiratory face mask suggested for dusty conditions.
MSA Model 8710 or NIOSH approved mechanical filter type respirator may be used.
Eye - not required; clear plastic shield may be used as convenience item.
Gloves or other protective clothing - not required.

SECTION IX, SPECIAL PRECAUTIONS AND COMMENTS

Aqueous slurry is slippery; care should be exercised when walking on spills on floors or concrete pads.
Additional Regulatory Concerns: FDA - Generally recognized as safe - 21 CFR 186.1256; TSCA - Product, a
naturally occurring substance, is listed in Initial Inventory, Vol. 1, Appendix A. CAS No. 1332-58-7
DOT classification - Not restricted

Although reasonable care has been taken in the preparation of the information contained herein, Combustion Engineering,
Inc. extends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of
such information for application to purchaser's intended purposes or for consequences of its use.

DATE PREPARED 7/27/82
REVISED 10/1/89