Material Safety Data Sheet

Palmetto Vermiculite Company, Inc.
13093 Highway 221 South
Woodruff, SC 29388

Phone:
Emergency (864) 969 – 6486
Information (864) 969 – 9486
Date Issued: March 1996
Revision: November 2006

Section I – Product Identification

Trade Name: Vermiculite Aggregate, Grade A – 2
Chemical Name: Hydrated Magnesium-Aluminum-Iron-Silicate
CAS Number: 1318-00-9

NPCA-HMIS Hazard Index
Health: 0 Flammability: 0 Reactivity: 0 Personal Protection: E

Section II – Hazardous Ingredients / Identity Information

<table>
<thead>
<tr>
<th>Ingredient, Chemical &amp; Common Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrated Magnesium - Aluminum-Iron-Silicate</td>
<td>Not Estab.</td>
<td>Not Estab.</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

* Contains no Asbestos and less than 1% free silica.

OSHA Nuisance Dust standard of 20 million particles/cu.ft. of air and/or 15 mg./cu.m. total dust and 5 mg./cu.m. of breathable dust apply in when handling this product.

NOTE: Components are not included in SARA TITLE III “List of Lists.” See SARA TITLE III for reporting requirements.

Section III – Physical / Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>&gt; 1000º C</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Nil</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&gt; 1000º C</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance &amp; Odor</td>
<td>Accordion shaped, beige to tan particles. Particle size varies. There is no odor.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>2.2 – 2.4</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility In Water</td>
<td>None</td>
</tr>
<tr>
<td>pH (in water)</td>
<td>6 - 9</td>
</tr>
</tbody>
</table>

Section IV – Fire And Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>None</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>As suitable for surrounding fire.</td>
</tr>
<tr>
<td>Unusual Fire &amp; Explosion Hazards</td>
<td>None – Material is Incombustible.</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
<td>None</td>
</tr>
</tbody>
</table>
Section V – Reactivity Data

Stability
Stable

Conditions to Avoid
None

Incompatibility (Materials to Avoid)
None

Hazardous Polymerization
Will Not Occur

Section VI – Health Hazard Data

Routes of Entry
- Inhalation: Dusts may be irritating and harmful
- Skin: Not harmful
- Ingestion: Totally Inert – Non Toxic
- Eyes: May cause irritation and injury as a foreign body

Health Hazards (Acute / Chronic)
None known or expected

Carcinogenicity
- NTP: Ingredients not on list
- IARC Monographs: Ingredients not on list
- OSHA Regulated: Ingredients not on list

Signs and Symptoms of Exposure
Repeated exposure to dusts without use of nuisance dust protection may result in respiratory irritation, pulmonary injury or disease.
None known or expected

Medical Conditions Generally
None known or expected

Aggravated by exposure

Emergency and First Aid
If inhaled, get fresh air. If symptoms persist, consult physician. In case of eye contact, flush with water. If tearing, blinking or irritation continues, consult a physician.

Section VII – Precautions for Safe Handling and Use

Steps to be taken if material is released of spilled
Sweep or vacuum material into a container for reuse or disposal in accordance with Federal, State, and Local Regulations.

Waste Disposal Method
This material, unless contaminated, may be disposed of as clean fill or used as a soil conditioner.

Precautions for Handling
Store in cool, dry ventilated area. Use normal precautions for lifting and transporting heavy loads.

Section VIII – Control measures

Respiratory Protection
NIOSH approved Nuisance Dust Mask

Ventilation
Local exhaust adequate to control dust.

Protective Gloves
Optional

Eye Protection
Optional