Material Safety Data Sheet (MSDS) – CORK BRICKS™

IDENTITY (As Used on Label and List)
Cork Bricks™ (3D, Beveled, Stick)

Section I

Manufacturer’s Name:  
Vasco Emanuel Lda. (ie: Muratto)  
Rua Pedro Homem de Melo, 432, 1 esq  
Porto 4150-598  Portugal

Supplier’s Name:  
Sustainable Materials LLC  
5403 Western Ave #C  
Boulder, CO  80301  
Ph:  (720) 449-3063  
Email: info@sustainablematerials.com

Emergency Telephone Number:  
(720) 449-3063

Date Prepared  
March 14, 2015 (revision: January 10, 2017)

Section II - Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity; Common Name(s))</th>
<th>Amount in product</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cork (solid)</td>
<td>97-99%</td>
<td>15 mg/m³ for total dust; 5 mg/m³ respirable fraction of wood dust¹</td>
<td>1 mg/m³(3) – for 8 hour work day²</td>
<td>NIOSH REL: 1 mg/m³(3) – for 10 hour work day³</td>
</tr>
<tr>
<td>Polyurethane binder</td>
<td>&lt; 2% by volume</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Acrylic pigmentation</td>
<td>&lt; 1% by volume</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

¹-3 OCCUPATIONAL SAFETY AND HEALTH GUIDELINE FOR WOOD DUST, ALL SOFT AND HARDWOODS, EXCEPT WESTERN RED CEDAR
4-6 Parts of vapor or gas per million parts of contaminated air by volume at 25 [°C] and 760 torr. (Gases, vapors, fumes, dusts, and mists. - 1926.55 App).

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>No Data</th>
<th>Auto Ignition Temperature</th>
<th>200° F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point/Evaporation Rate</td>
<td>No Data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Natural cork color with an odor of wood</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section IV - Fire and Explosion Hazard Data

**General**
Cork wall coverings do not present any special risk and are not an explosion hazard. Sanding, sawing or machining can result in the generation of wood and cork dust that can present a strong explosion hazard if a dust cloud contacts an ignition source.

**Extinguishing Media**
- Water, carbon dioxide, sand or dry chemical

**Special Fire Fighting Procedures**
- None

**Unusual Fire and Explosion Hazards**
- None

Section V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Not applicable to product in its’ supplied form.</td>
</tr>
</tbody>
</table>

**Incompatibility (Materials to Avoid)**
- Not applicable

**Hazardous Decomposition or Byproducts**
Byproducts emitted by decomposition include carbon monoxide, carbon dioxide, aliphatic aldehydes, polycyclic aromatic hydrocarbons, rosin acids, and terpenes.

Section VI - Health Hazard Data

**Wood Dust:**
Both the skin and respiratory system can become sensitized to wood dust. When a worker becomes sensitized to wood dust, he or she can suffer a severe allergic reaction (such as asthma) after repeated exposure or exposure to lower concentrations of the dust.

Other common symptoms associated with wood dust exposure include eye irritation, nasal dryness and obstruction, prolonged colds, and frequent headaches.

Certain species of hardwood - such as oak, mahogany, beech, walnut, birch, elm, and ash - have been reported to cause nasal cancer in wood-workers. This is particularly true when exposures are high. The American Conference of Governmental Industrial Hygienists (ACGIH) recognizes wood dust as a "confirmed" human carcinogen,3 and recommends a limit of 1 milligram per cubic meter (mg/m ³) for hardwoods and 5 mg/m ³ for softwoods. At this time, OSHA regulates wood dust as a nuisance dust; however, OSHA strongly encourages employers to keep exposures to a minimum and to adopt the ACGIH levels. The maximum permissible exposure for nuisance dust is 15 mg/m ³, total dust (5 mg/m ³, respirable fraction).

<table>
<thead>
<tr>
<th>Route(s) of Entry:</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mouth, Skin, eyes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Section VII - Precautions for Safe Handling and Use

**Steps to Be Taken in Case Material is Released or Spilled**
Not applicable to product in its’ supplied form.

**Waste Disposal Method**
No special disposal methods are required.
**Precautions to Be taken in Handling and Storing**

No special precautions are required for products in their supplied form. Keep material in a cool, dry, and ventilated place. Clean site of airborne dust as it is created to minimize airborne dust and contaminant issues.

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**Section VIII - Control Measures**

**Respiratory Protection (Specify Type)**

No special handling precautions are required for products in their supplied form, though use of an acceptable NIOSH respirator is recommended to avoid inhalation of excess dust particles.

**Ventilation**

When milling, dust containment and adequate ventilation are requested.

**Eye Protection**

No special handling precautions are required for products in their supplied form, though use of protective eye protection is recommended when milling (cutting, shaping, etc.) to avoid discomfort and the potential of airborne dust to affect sight.

**Other Protective Clothing or Equipment**

No special protective clothing or equipment is required for products in their supplied form.

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**Section IX – Toxicology Information**

Not available for products in their supplied form

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**Section X - Control Measures**

Not available for products in their supplied form

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**Section XI – Ecological Considerations**

Not applicable.

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**Section XII – Disposal Considerations**

Follow applicable local, state, and federal guidelines for disposal.

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**Section XIII – Transportation Considerations**

Not regulated as a hazardous material by the United States Department of Transportation in its supplied state.

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**Section XIV – Additional Information**

IMPORTANT: The information and data included in this report is believed accurate, and has been compiled through information and testing created for the manufacturing facility producing said material, as well as through conversations with OSHA, as well as through OSHA’s detailed technical manuals, and information provided by other technical experts. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable local, state, and federal regulations. **NOTE: Sustainable Materials, LLC makes no warranty, of any kind, express or implied, concerning the accuracy and completeness of the information contained within, and will not be liable for claims relating to any party’s reliance on this information.**