REDCO II
MATERIAL SAFETY DATA SHEET
MILLED PERLITE ORE

I. Product Identification

Trade Name (as labeled): 814, 1220, 1240, 1640, 3500, 4500, A100

Manufacturer's Name: Redco II
Address: 11831 Vose Street, North Hollywood, CA 91605-5793
Phone Number: (818) 759-2255
Fax Number: (818) 503-1319

Date Prepared or Revised: February 28, 1999

II. Product Ingredients

<table>
<thead>
<tr>
<th>Chemical Names</th>
<th>CAS Numbers</th>
<th>Exposure Limits in Air (give units)</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>Other (specify)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perlite</td>
<td>93-763-70-3</td>
<td>10 mg/M³</td>
<td>10 mg/M³</td>
<td>15 mg/M³</td>
<td></td>
</tr>
</tbody>
</table>

A mineral composed of sodium potassium aluminum silicate of variable composition, perlite is considered a nuisance dust only.

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Alpha-Cristobolite &amp; Tridymite:</td>
<td>Less than 0.1%</td>
</tr>
<tr>
<td>Alpha Quartz</td>
<td>0.01 to 0.05%</td>
</tr>
</tbody>
</table>

III. Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Density (air=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity (Water=1)</td>
<td>2.3</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Vapor Pressure, mmHg at 20°C</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance and odor</td>
<td>Gray granules, no odor.</td>
</tr>
</tbody>
</table>

HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist):
Visual only (dust). No gas, vapors, or mist emitted.

IV. Fire and Explosion

Flash Point, °F (Give method): Perlite is a fully oxidized, non-flammable mineral.
Auto ignition temperature, °F: N/A
Flammable limits in air, Volume %: N/A

<table>
<thead>
<tr>
<th></th>
<th>Lower (LEL)</th>
<th>Upper (UEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water spray</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fire extinguishing materials: N/A

[ ] water spray
[ ] carbon dioxide
[ ] other:
[ ] foam
[ ] dry chemical

Special fire fighting procedures: N/A

Unusual fire and explosion hazards: N/A
V. Health Hazard Information

A) Symptoms of overexposure for each potential route of exposure
   Inhaled: Coughing
   Contact with skin or eyes: Possible eye irritation from dust particles; wear eye protection
   Absorbed through skin: N/A
   Swallowed: N/A

B) Health effects or risks from exposure
   Acute: None
   Chronic: Excessive inhalation over long period may cause harmful irritation, use NIOSH approved mask for nuisance dust.
   Target Organ: None

C) First Aid: Emergency procedures
   Eye contact: Attempt to wash out with clear water; if unable have particle removed by doctor.
   Skin contact: None
   Inhaled: Remove affected individual from dusty area to area with clean air
   Swallowed: None

D) Suspected Cancer Agent?
   X   NO: This products ingredients are not found in the lists below:
   YES:  ____ Federal OSHA  ____ NTP  ____ IARC

E) Medical conditions aggravated by exposure
   Any respiratory illness which may be aggravated by a nuisance dust.

VI. Reactivity Data

Stability: X Stable  ____ Unstable
Incompatibility (Materials to avoid): None
Hazardous decomposition products (including combustion products): None
Hazardous Polymerization:  ____ May Occur  ____ Will not occur
Conditions to avoid: None

VII. Spill, Leak, and Disposal Procedures

Spill response procedures (include employee protection measures):
   Vacuum clean or sweep material; Use respirators suitable for nuisance dust and eye protection

Preparing wastes for disposal (container types, neutralization, etc.):
   Dispose in bulk or containers according to local dump requirements. No special treatment required.

Note: Dispose of all wastes in accordance with federal, state, and local regulations.

VIII. Special Handling Information

Respirator protection (type)
   NIOSH approved masks suitable for nuisance dust.
Eye Protection (type)
   Gloves (specify material)
   Not required
Protective goggles
Other clothing and equipment
   Work practices, hygienic practices
   Use good housekeeping to avoid transient dust
Not required

Other handling and storage requirements
   Use good housekeeping to avoid transient dust
   Protective measures during maintenance of contaminated equipment
   None special other than NIOSH approved masks and goggles

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