MIDWEST PERLITE INC.   4280 W. Parkway Blvd., Appleton, WI 54913

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MATERIAL SAFETY DATA SHEET

HMIS Ratings

<table>
<thead>
<tr>
<th>Health</th>
<th>NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Flammability</td>
<td>Health</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Flammability</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>Reactivity</td>
</tr>
<tr>
<td>E</td>
<td>0</td>
</tr>
</tbody>
</table>

HMIS Ratings:  0 = Minimal Hazard  E = Dust Respirator
NFPA Ratings:  0 = Insignificant  1 = Slight
Both:  * = Refer to data on MSDS

I. PRODUCT IDENTIFICATION

Trade Name:  #4 FILTER PRECOAT
Chemical Name:  Sodium Potassium Aluminum Silicate
Formula:  Mixture
CAS Number:  93763-70-3 or 130885-09-5
Manufacturer:  MIDWEST PERLITE INC
4280 W. Parkway Blvd.
Appleton, WI  54913
Telephone:  (920) 731-2671
Fax:   (920) 731-2600

II. PRODUCT INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Cas Number</th>
<th>%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
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</thead>
<tbody>
<tr>
<td>Perlite, expanded</td>
<td>93763-70-3</td>
<td>100</td>
<td>15 mg/m³ (total)</td>
<td>10 mg/m³ (total)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 mg/m³ (respirable)</td>
<td>3 mg/m³ (respirable)</td>
</tr>
<tr>
<td>Perlite, ore</td>
<td>130885-09-5</td>
<td>100</td>
<td>15 mg/m³ (total)</td>
<td>10 mg/m³ (total)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 mg/m³ (respirable)</td>
<td>3 mg/m³ (respirable)</td>
</tr>
</tbody>
</table>

This product may contain crystalline silica (quartz) at below detectable levels (<0.1%) CAS No. 14808-60-7; OSHA PEL 0.1 mg/m³ (respirable).

III. PHYSICAL DATA

Appearance:  Dry, white powder.
Vapor Density (air=1):  N/A
Water solubility:  Negligible
% Volatile by volume:  N/A
Specific Gravity:  2.33
Physical State:  Solid
Odor:  Odorless
Boiling point:  N/A
pH:  Neutral
Vapor Pressure:  N/A
(NM Hg/70 °F)

IV. FIRE AND EXPLOSION DATA

Flash Point:  Non flammable
Flammable Limits:  N/A
Extinguishing Media:  N/A
Unusual fire or Explosion Hazards:  None
Special Fire-Fighting procedures:  None
V. HEALTH HAZARDS

A. Summary/Risks

Summary: Perlite is a naturally occurring volcanic glass consisting of fused sodium* potassium* aluminum silicate. OSHA has classified Perlite as a Particulate Not Otherwise Regulated (PNOR), which has the same Permissible Exposure Limit (PEL) as that used for nuisance and inert dusts. Although there are no published reports of adverse health effects from exposure to Perlite dust, dust levels should be maintained below the OSHA PEL for PNORs and respirators should be used when airborne dust is present. Excessive inhalation over long periods of time may cause harmful irritation. Perlite is considered a nuisance dust by ACGIH. This product may contain crystalline silica, quartz (<1.0%) which is considered a hazard by inhalation. IARC has classified crystalline silica as carcinogenic to human Group 1. Crystalline silica is also listed by NTP as a known human carcinogen. Medical conditions which may be aggravated: pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma.

Target Organs: Lungs, eyes.

Route of Entry: Inhalation, dust contact with the eyes.

Acute Health Effects: Transitory upper respiratory irritant. May cause coughing or throat irritation.

VI. REACTIVITY DATA

Stability: Stable

Chemical Incompatibilities: Hydrofluoric Acid

Conditions to Avoid: None in designed use. Avoid contact with hydrofluoric acid.

Hazardous decomposition Products: May react with hydrofluoric acid to form toxic silicon tetra-fluoride gas.

VII. FIRST AID MEASURES

Skin: Not absorbed by the skin. May cause dryness. Use moisture-renewing lotions if dryness occurs.

Eyes: May cause irritation or inflammations. Flush eyes with copious quantities of water. If irritation persists, call physician.

Inhalation: Acute inhalation can cause dryness of the nasal passages and congestion of the upper respiratory tract. Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust.

Ingestion: Short term exposures not considered harmful. Drink water to reduce bulk.

VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Personal Protective Equipment: Adequate protective devised, such as an N95 respirator, are recommended when the PEL is exceeded and/or when airborne dust is present.

Gloves: Not normally required.

Goggles: Goggles to prevent dust from entering eyes.

Engineering controls: Local if necessary to maintain allowable PEL or TVL levels.

Leak and Spill Procedure: Vacuum clean spillage. Wet sweep or wash away. Avoid creating dust.

Waste Management: Dispose in accordance with federal, state and local regulation’s. Perlite is not considered a hazardous waste under RCRA (40CFR Part 261).

Handling Procedures: Repair or properly dispose of broken bags. Maintain good housekeeping procedures.

Storage segregation Hazard Classes: N/A

Special Shipping Instructions: None

1 Date issued: January 2010

1 Prepared by N. Hoople

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation with respect to such information is intended or given.