Section 1 – Chemical Product / Company Information

Product Name: CAFCO® SOUND-SHIELD® 40
Effective Date: October 30, 2015

Product Use/Class: Spray-Applied Fire Resistive Materials (SFRM)

Manufacturer: United States Mineral Products Company
dba Isolatek International
41 Furnace Street
Stanhope, NJ 07874 USA
(973)-347-1200

Preparer: R&D Department

In Case of Emergency Call: CHEMTREC
800.424.9300 (USA) +1 703.527.3887 (Int’l)

Supersedes: June 3, 2015

Section 2 – Hazards Identification

GHS Classification:

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Hazard Category</th>
<th>Route of Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irritation</td>
<td>2</td>
<td>Skin</td>
</tr>
<tr>
<td>Skin Sensitizer</td>
<td>1</td>
<td>Skin</td>
</tr>
<tr>
<td>Eye Irritation</td>
<td>2B</td>
<td>Eye</td>
</tr>
<tr>
<td>Inhalation Toxicity</td>
<td>4</td>
<td>Nose/Mouth</td>
</tr>
</tbody>
</table>

Global Harmonization Labeling and Classification:

Signal word: Warning

Hazard Symbol(s): GHS07

Overview: A granular powder that poses little immediate hazard. However, components may contain trace amounts of crystalline silica (quartz). Prolonged exposure to respirable crystalline silica may cause cancer.

Primary Route(s) of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Medical Conditions Prone to Aggravation by Exposure: Sensitive skin; respiratory conditions

Hazard Statements:

<table>
<thead>
<tr>
<th>Hazard Code</th>
<th>Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>H303</td>
<td>May be harmful if swallowed.</td>
</tr>
<tr>
<td>H313</td>
<td>May be harmful in contact with skin.</td>
</tr>
<tr>
<td>H320</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
</tbody>
</table>
Precautionary Statements:

P202  Do not handle until safety precautions have been read and understood.
P261  Avoid breathing dust/ fumes/ gas/ mist/ vapours/ spray.
P271  Use only outdoors or in a well ventilated area.
P280  Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284  Wear respiratory protection.
P402+P403  Store in a dry place. Store in a well ventilated place.
EUH401  To avoid risks to human health and the environment, comply with the instructions for use.

Response:

P301+P330  P331+P312  IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell.
P302+P352+ P332+P315+ P363  IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
P304+P340+ P342+P313  IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/ attention.
P305+P351+ P338+P337+ P313  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Storage:

P402+P403+ P232  Store in a dry place. Store in a well ventilated place. Protect from moisture.

Disposal:

P501  Dispose of contents/container in accordance with local/regional/national/international regulations (see section 13).

Section 3 – Composition / Information On Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Wt. % (Max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>35 - 70</td>
</tr>
<tr>
<td>Vermiculite</td>
<td>1318-00-9</td>
<td>15 - 40</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>10 - 35</td>
</tr>
</tbody>
</table>

Section 4 – First Aid Measures

General – If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

First Aid – Skin Contact: Wash with soap and water. Remove contaminated clothing. If persistent irritation occurs, seek medical attention.

First Aid – Eye Contact: Flush eyes thoroughly with copious amounts of water. Seek medical attention if irritation persists.

First Aid – Inhalation: Remove to fresh air. Seek medical attention if irritation persists.

First Aid – Ingestion: Do not induce vomiting. Rinse mouth out with water. Seek medical attention if irritation persists.

Protection of first aid responders: Wear proper personal protective clothing and equipment.
Section 5 – Fire Fighting Measures

Extinguishing Media: Not Applicable. Product will not burn.

Unusual Fire & Explosion Hazards: None.

Special Firefighting Procedures: None.

Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Sweep up material and place in disposal containers. Avoid inhalation of dust. Dispose of material in accordance with all federal, state, and local regulations. Use personal protective equipment as necessary.

Section 7 – Handling And Storage

Precautions for safe handling: Avoid inhalation of dust. Avoid skin & eye contact. Wear skin and eye protection during use. Use normal personal hygiene to remove materials, contaminants; wash clothing separately before re-use.

Conditions for safe storage: Keep dry. Keep containers closed when not in use. Store in a cool, dry place with adequate ventilation.

Section 8 – Exposure Controls / Personal Protection

Permissible Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>NIOSH</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>15 mg/m³ TWA (Total Dust)</td>
<td>10 mg/m³ TWA (Chemical is a particulate matter containing no asbestos and &lt;1% crystalline silica).</td>
<td>10 mg/m³ TWA (Total Dust)</td>
<td>N/E</td>
</tr>
<tr>
<td>Vermiculite</td>
<td>1318-00-9</td>
<td>N/E</td>
<td>10mg/m³ (Total Dust) 3 mg/m³ (Respirable Fraction)</td>
<td>0.05 mg/m³</td>
<td>N/E</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>15 mg/m³ TWA (Total Dust) 5 mg/m³ (Respirable Fraction)</td>
<td>N/E</td>
<td>10 mg/m³ TWA (Total Dust) 5 mg/m³ (Respirable Fraction)</td>
<td>10 (Respirable Fraction)</td>
</tr>
</tbody>
</table>

Engineering Controls: Exhaust fans may be necessary when mixing in enclosed areas.

Respiratory Protection: Wear a proper disposable dust mask to prevent exposure above the limits specified.

Skin Protection: Wear gloves and use hand creams to prevent dry skin.

Eye Protection: Wear proper eye protection; at minimum, safety glasses with side shields.

Work / Hygienic Practices: Use bag opening procedures which minimize dust release. Use anti-slip surfaces on working platforms – material is slippery when wet.
Section 9 – Physical And Chemical Properties

Appearance: White powder with golden pellets and flakes
Odor: No odor
pH: 12 - 12.5
Melting Point (°F): >1800°F (981°C)
Boiling Point (°F): Not Applicable
Flash Point: Not Applicable
Evaporation Rate: Not Applicable
Flammability: Not Applicable
Lower Explosive Limit: Not Applicable
Upper Explosive Limit: Not Applicable
Vapor Pressure (mm Hg): Not Applicable
Bulk Density (kg/mm³): Not Applicable
Solubility in Water: Negligible
Specific Gravity (H₂O=1): 2.0
Physical State: Solid
% Volatiles: Not Applicable
Viscosity: Not Applicable
Auto ignition temperature: Not Applicable

Section 10 – Stability And Reactivity

Chemical Stability (under normal conditions): Stable
Possibility of Hazardous Reactions: No
Conditions to Avoid: Contact with strong acids
Incompatibility: Strong Acids
Hazardous Decomposition Products: Stable under normal conditions. Trace amounts of carbon and nitrogen oxide compounds may release under fire.
Hazardous Polymerization: No polymerization will occur.

Section 11 – Toxicological Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>LD50/LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Group 1</td>
<td>Group 2A</td>
<td>Group 2B</td>
<td>Known</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Vermiculite</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Section 12 – Ecological Information

Ecological Information: No data available.

Section 13 – Disposal Considerations

Disposal Information: For waste disposal purposes, this product is not known to be designated as hazardous by current provisions under RCRA. Dispose of in accordance with federal, state and local regulations.
Section 14 – Transportation Information

Proper Shipping Name: Not Applicable
Technical Name: Not Applicable
Hazard Class: Non-Hazardous
UN/NA Number: Not Applicable
Additional Notes: None

Section 15 – Regulatory Information

<table>
<thead>
<tr>
<th>U.S. Federal Regulations SARA 311/312</th>
<th>Immediate Health (Acute)</th>
<th>Delayed Health (Chronic)</th>
<th>FIRE</th>
<th>PRESSURE</th>
<th>REACTIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>U.S. State Regulations</th>
<th>State Hazardous Substance List</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS Number</td>
<td>CA</td>
</tr>
<tr>
<td>65997-15-1</td>
<td>No</td>
</tr>
<tr>
<td>1318-00-9</td>
<td>No</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>No</td>
</tr>
</tbody>
</table>

International Regulations as Follows:

Chemical Inventory Status

All chemicals in this product are listed or exempt from listing in the following countries:

<table>
<thead>
<tr>
<th>U.S.</th>
<th>Canada</th>
<th>Europe</th>
<th>Australia</th>
<th>Korea</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>DSL</td>
<td>EINECS</td>
<td>AICS</td>
<td>ECL</td>
</tr>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

CANADIAN WHMIS

This SDS has been prepared in compliance with Controlled Product Regulations and contains all information required.

CANADIAN WHMIS CLASS: D2A

HMIS Rating

![HMIS Rating](Image)
Prepared By: Research Department, U.S.A.
Telephone: (973) 347-1200

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. VENDOR SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall the vendor be liable for special, indirect or consequential damages.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes all risks in his use of the material.