MATERIAL SAFETY DATA SHEET

No.: 140 Rev. No.: 9
Date Revised: 1/2/97

I. PRODUCT IDENTIFICATION

Trade Name(s): SIL-CELL
Chemical Name: Sodium Potassium Aluminum Silicate
Manufacturer: SILBRICO CORPORATION
Address: 6300 River Road
City: Hodgkins State: IL Zip: 60525

CAS #: 93763-70-3
Formula: Mixture
Telephone: 708/354-3350
Emergency: 708/354-3350

II. PRODUCT INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS NUMBER</th>
<th>%</th>
<th>PEL AND TLV (except as noted)</th>
</tr>
</thead>
</table>
| Expanded Perlite| 93763-70-3 | 100 | 15 mg/m³ total dust-OSHA  
|                 |            |    | 5 mg/m³ respirable dust-OSHA |
|                 |            |    | 10 mg/m³ total dust-ACGIH |
|                 | 14808-60-7 | <.1 | .1 mg/m³ respirable quartz - OSHA & ACGIH TLV |

This product may contain crystalline silica:
Quartz (Typical Analysis)

III. PHYSICAL DATA

Appearance and Odor: Dry White Powder or Aggregate/No Odor.
Boiling Point: NA
Vapor Pressure: NA
Water Solubility (%): Negligible
Vapor Density (Air=1): NA
Evaporation Rate: NA
Specific Gravity (H₂O = 1): 2.35
Melting Point: NA
% Volatile by Volume: None

IV. FIRE AND EXPLOSION DATA

Flash Point (Method): NONFLAMMABLE
Flammable Limits: LEL: NA % UEL: NA %
Extinguishing Media: NA
Unusual Fire or Explosion Hazards: NONE
Special Fire-Fighting Procedures: NONE

V. REACTIVITY DATA

MATERIAL IS STABLE.
HAZARDOUS POLYMERIZATION CANNOT OCCUR.
Chemical Incompatibilities: HYDROFLUORIC ACID
Conditions to Avoid: NONE in designed use
Hazardous Decomposition Products: May react with hydrofluoric acid to form a toxic gas
## VI HEALTH HAZARD DATA

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Health Hazards (Acute and Chronic)**

**Acute:** Upper Respiratory Irritant, Excessive Inhalation of Any Dust May Overload Lungs.

**Chronic:** None Known.

<table>
<thead>
<tr>
<th>Carcinogenicity:</th>
<th>NTP?</th>
<th>IARC Monographs?</th>
<th>OSHA Regulations?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Signs and Symptoms of Exposure**

Upper Respiratory and Eye Irritation

**Medical Conditions**

Pre-Existing Upper Respiratory and Lung Diseases

**Emergency and First Aid Procedures**

- **Inhalation** - Remove to Fresh Air
- **Eyes** - Flush with large Quantities of Water

**Procedures for Spill/Leak**

Vacuum clean or sweep up using a dust suppressant such as water. Uncontaminated materials may be re-used.

**Waste Management**

Non-hazardous as defined by RCRA (40 CFR part 261). Method of disposal - landfill. Reportable quantity - N/A.

**Eye Protection**

Goggles or Safety Glasses are recommended.

**Gloves**

Not normally required.

**Respirator**

MSHA/NIOSH approved respirator

**Ventilation**

Local exhaust ventilation may be required to keep dust concentrations below PEL/TLV.

**Other Protective clothing or equipment**

None

**Storage Segregation Hazard Classes**: NA

**Special Handling/Storage**

Repair broken bags immediately; avoid creating dust

**Special Workplace Engineering Controls**

Not normally required.

Perlite is a naturally occurring substance and is therefore included, but not individually listed, in the TSCA inventory.

**HMIS Ratings**

- 0 = Minimal Hazard
- E = Dust Respirator

**Prepared/Revised by**: SILBRICO CORPORATION

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 law(s). However, no warranty or representation with respect to such information is intended or given.