MATERIAL SAFETY DATA SHEET

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

Trade Name(s): SIL-KLEER
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

INGREDIENT NAME          CAS NUMBER  %            PEL AND TLV
                          (except as noted)

Expanded Perlite         93763-70-3  100          15 mg/m³ total dust-
                          OSHA
                          5 mg/m³ respirable
dust-OSHA
                          10 mg/m³ total dust-
                          ACGIH
                          .1 mg/m³ respirable
                          quartz - OSHA &
                          ACGIH TLV

This product may contain crystalline silica:
Quartz (Typical Analysis)   14808-60-7   <.1

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

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

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

Route(s) of Entry

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
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Health Hazards (Acute and Chronic)

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

Chronic: None Known.

Carcinogenicity:

- NTP? No
- IARC Monographs? No
- OSHA Regulations? No

Signs and Symptoms of Exposure

Upper Respiratory and Eye Irritation

Medical Conditions

Generally Aggravated by Exposure

- Pre-Existing Upper Respiratory and Lung Diseases

Emergency and First Aid Procedures

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

VII. SPILL OR LEAK PROCEDURES

Procedures for Spill/Leak: Vacuum clean or sweep up using a dust suppressant such as water.

Uncontaminated materials may be re-used.


Reportable quantity - N/A.

VIII. SPECIAL PROTECTION INFORMATION

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

IX. SPECIAL PRECAUTIONS

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

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.