Section 1: PRODUCT AND COMPANY IDENTIFICATION

J. R. GOSLEE COMPANY
1154 West Smith Road
Medina, Ohio 44256-2424
Company Phone Number: (330)725-4904

Product Name: R-20® Insulating Powder, Pulverize Clay
Chemical Family: N/A
Chemical Name: N/A

Section 1: HEALTH HAZARD DATA

Routes of Entry: Inhalation, Skin Contact, Eye Contact

Symptoms of Overexposure: Prolonged exposure to dusts may cause pneumoconiosis. Exposure to dusts can cause upper respiratory irritation of skin, eyes, and mucous membranes. Prolonged exposure to Crystalline Silica may cause silicosis, a pulmonary fibrosis. Prolonged exposure to Iron (III) Oxide many cause silicosis.

Carcinogenicity: Crystalline Silica Quartz is listed as a 2A Carcinogen by the IRAC.

Medical Conditions: Aggravated by Exposure: Current respiratory conditions can be aggravated by exposure to dusts.

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>% by Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition is Confidential/Trade Secret</td>
<td></td>
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<tr>
<td>Crystalline Silica Quartz</td>
<td>014808-60-7</td>
<td></td>
<td>&lt;30%</td>
</tr>
</tbody>
</table>

OSHA PEL: = .01mg/M³ ACGIH TLV: = .01mg/M³

The remainder of the ingredients are considered non-hazardous. The form of the material is powder/dust.

The OSHA PEL for dust /particulate is: Total Dust: = 15mg/M³ Respirable Dust: = 10mg/M³

Section 3: FIRST AID MEASURES

Eyes: Flush eyes thoroughly with clean, lukewarm water for 15 minutes. Seek medical attention.

Skin: Wash affected area with soap and water. If an irritation occurs, seek medical attention.

Inhalation: Remove to fresh air. Restore /support breathing as necessary. Seek medical attention.
Section 4: FIRE FIGHTING MEASURES

Flashpoint: N/A   LEL: N/A   UEL: N/A

Extinguishing Media: Material is noncombustible, use extinguishing media for surrounding fire.

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus (SCBA) with full face piece, operated in pressure demand mode.

Section 5: SAFE HANDLING AND STORAGE

Handling: Avoid creating dusty conditions. Store in cool, dry well-ventilated area.

Spill or Leak Procedures: Avoid excessive generation of dust; wear appropriate respiratory protection. Use dustless cleanup procedures; ventilate affected area, scoop or vacuum material into suitable container for disposal or reclamation.

Waste Disposal: Follow federal, state and local regulations.

Other Precautions: Use good housekeeping practices to prevent dusty conditions.

Section 6: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Dust
Color: Red/Brown
Odor: None
Boiling Point: 410°F
Melting Point: N/A
pH: 10-12
Vapor Pressure: Not Established
Vapor Density: Not Established
Solubility: Slightly Soluble
Specific Gravity: 3.5-4.5

Section 7: STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Does not occur.

Incompatibilities: Avoid strong oxidizers

Hazardous Decomposition Products: When heated above 900°C, SiO₂ will form cristobalite and tridimite which are active in causing silicosis when inhaled. May decompose in hydrofluoric acid to form SiF. May produce Iron Oxide fumes from heating.
Section 8: PERSONAL PROTECTION

Eye Protection: Wear safety glasses. Do not wear contact lenses.

Skin Protection: Wear gloves and/or arm guards if skin irritation occurs.

Respiratory Protection: Use NIOSH/MSHA approved dust/mist respirator.

Ventilation: Use local exhaust ventilation and mechanical (general) ventilation.

Section 9: TRANSPORT INFORMATION

Classification Data:
DOT Information: Shipping Name: Clay, Pulverized
DOT Hazard Class: N/A
DOT Label: N/A
DOT ID#: N/A

Section 10: REGULATORY INFORMATION

OSHA Status: N/A
TCSA: N/A
RCRA: N/A
SARA III: N/A

Reason For Issue: Update To New Format
Prepared By: J.R. Goslee Company

MSDS Number: R-20

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