Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Manufacturer: Industrial Gypsum Company, Inc.
PO Box 07091
Milwaukee, WI 53207

Regular Telephone: (414) 747-1889
(800) 877-8917

Emergency Telephone: (414) 482-7247

Trade name: Low Melt Spodumene

Synonyms: None

Chemical Formula: Mixture

Chemical Family: N/A

C.A.S. No.: N/A

II. INGREDIENTS

INGREDIENT EXPOSURE LIMITS

TLV DATA

<table>
<thead>
<tr>
<th>Material/Component</th>
<th>C.A.S. No.</th>
<th>Wgt.</th>
<th>PEL (OSHA)</th>
<th>TWA (ACGIH)</th>
<th>STEL (ACGIH)</th>
<th>Ceiling (OSHA)</th>
<th>IDLH (OSHA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminosilicate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Spodumene</td>
<td></td>
<td>60-90%</td>
<td></td>
<td></td>
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<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>6-10%</td>
<td>.1 mg/m³ Respirable Dust</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>.3 mg/m³ Total Dust (ACGIH)</td>
<td></td>
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<tr>
<td>Sodium Feldspar</td>
<td></td>
<td>.5-3%</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Potassium Feldspar</td>
<td></td>
<td>2.7%</td>
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</tr>
</tbody>
</table>

III. PHYSICAL DATA

Appearance and Odor: Dry, fine sand; While to pale fawn in color

Boiling Point: N/A

Density/Specific Gravity: 2.98

Vapor Density: Air = 1

Vapor Pressure:

Freezing Point:
Melting Point: Incipient fusion @ 1375°


Evaporation Rate: Butyl Acetate = 1
IV. FIRE, EXPLOSION AND REACTIVITY DATA

Physical Hazard: None

Flash Point: N/A

Autoignition Temperature: N/A

Flammable Limits in Air:
- Upper: Material is non-combustible
- Lower: Material is non-combustible

Extinguishing Media: Water as an acceptable extinguishing media.

Special Fire Fighting Procedure: None. Material is not a fire or explosion hazard.

Unusual Fire & Explosion Hazard: None

Stability: Material is stable.

National Fire Protection Code: 

Conditions Contributing to Instability: Material is stable.

Incompatibility: N/A

Conditions Contributing to Hazardous Polymerization: N/A

V. PRODUCT HEALTH HAZARD INFORMATION

Product Health Hazard: Material fraction is inert and non-toxic. However, this product contains low levels of crystalline silica which IARC classifies as probably carcinogenic to humans. There is no evidence, however, that the trace amounts of crystalline silica present in this product have a carcinogenic effect. This product is considered a nuisance dust by ACGIH and OSHA.

Product Exposure Limits:

Routes of Exposure:
- Eye Contact:
- Inhalation:
- Skin Contact:
- Ingestion:

Effects of Overexposure:
- Acute Effects: Increased rates of lung cancer also have been reported among workers overexposed to quartz dust.
First Aid Procedures:

**Eyes and Face:** Flush with water for at least 15 minutes with eyelids open.

**Inhalation:** Remove person to fresh air. Consult physician if necessary.

**Skin:** Wash well with soap and water.

**Ingestion**

Other Toxicological Properties:

**Carcinogenicity:** See product health hazards.

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**VI. DISPOSAL, SPILL OR LEAK PROCEDURES**

**Procedure for Release or Spill:** Should be cleaned up by methods appropriate for dusty materials.

**Waste Disposal Method:** Dispose of in compliance with federal, state and local laws as they apply to non-hazardous materials.

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**VII. PERSONAL PROTECTION INFORMATION**

**Ventilation Requirements:** Circulate air and remove dust particles.

**Specific Personal Protection Equipment:**

**Respiratory:** NIOSH/MSHA approved respirator is recommended when working in dusty conditions.

**Eyes:** Recommended when any possibility of dust particles entering the eyes exist.

**Gloves:** Recommended when contact is appreciable.

**Others:** General area cleanliness is recommended.

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**VII. HANDLING AND STORAGE**

No specific measures are necessary.