MATERIAL SAFETY DATA SHEET

Kerr Manufacturing Company
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Romulus, MI 48174-0908
Emergency Phone (800) 424-9300
Information Phone (313) 946-7800

Satin Cast 20
October 29, 1991

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>PERCENTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cristobalite</td>
<td>35-45</td>
</tr>
<tr>
<td>Silica</td>
<td>14464-46-1</td>
</tr>
<tr>
<td>Pel</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>TLV</td>
<td>0.05mg/m³ (respirable dust)</td>
</tr>
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<thead>
<tr>
<th>INGREDIENT</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>25-35</td>
</tr>
<tr>
<td>Silica</td>
<td>14808-60-7</td>
</tr>
<tr>
<td>Pel</td>
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</tbody>
</table>

PHYSICAL/CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>BOILING POINT</th>
<th>SPECIFIC GRAVITY</th>
<th>VAPOR PRESSURE</th>
<th>MELTING POINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>2.4</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
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</table>

<table>
<thead>
<tr>
<th>VAPOR DENSITY</th>
<th>EVAPORATION RATE</th>
<th>SOLUBILITY IN WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Slightly soluble</td>
</tr>
</tbody>
</table>

APPEARANCE AND ODOR

Off-white, odorless powder

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT
Not Applicable

LAI: Not Applicable

UL: Not Applicable

EXTINCTION MEDIA
Not Applicable

SPECIAL FIRE FIGHTING PROCEDURES
Not Applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS
Not Applicable

REACTIVITY DATA

STABILITY
Stable

CONDITIONS TO AVOID
None

INCOMPATIBILITY (MATERIALS TO AVOID)
Hydrofluoric acid, in which silica will dissolve and produce the corrosive gas silicon tetrafluoride.

HAZARDOUS DECOMPOSITION PRODUCTS
Not Applicable

HAZARDOUS POLYMERIZATION
Will not occur

CONDITIONS TO AVOID
None

HEALTH HAZARD DATA

CARCINOGENICITY
Yes

NTP? No

IARC Yes

OSHA REGULATED? Yes

EFFECTS AND HAZARDS OF OVEREXPOSURE (ACUTE AND CHRONIC)

May cause irritation.

EFFECTS AND HAZARDS OF SKIN CONTACT
May cause dry feeling on skin.

EFFECTS AND HAZARDS OF INHALATION (BREATHEING)

Prolonged exposure to respirable crystalline silica may cause chronic lung injury (silicosis). Acute developing silicosis may occur in a short time in heavy exposure. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death. The International Agency for Research on Cancer (IARC) reports limited evidence of the carcinogenicity of crystalline silica to humans. IARC class 2A.

Kerr Manufacturing Company accepts no responsibility and disclaims all liability for harmful health effects and customers must comply with all applicable health and safety regulations relating to the safe handling of our silica-containing products.

EFFECTS AND HAZARDS OF INGESTION (SWALLOWING)

Hardens when wetted and, if ingested, may result in an obstruction.
EMERGENCY AND FIRST AID PROCEDURES

TREATMENT FOR EYE CONTACT
Wash eyes immediately with large amounts of water, lifting lower and upper lids occasionally. If irritation persists, get medical attention.

TREATMENT FOR SKIN CONTACT
Wash with soap and water. Use hand lotion.

TREATMENT FOR INHALATION (BREATHEING)
Move exposed person to fresh air at once. Consult physician.

TREATMENT FOR INGESTION (SWALLOWING)
Consult physician.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Ventilate area of spill or release. Sweep up. Avoid unnecessary stirring or handling in order to prevent formation of dust.

WASTE DISPOSAL METHOD
Landfill

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Do not breathe dust. Keep container closed. Use according to directions.

OTHER PRECAUTIONS
Follow prescribed mixing procedure for Kerr investment.

CONTROL MEASURES

RESPIRATORY PROTECTION
Use NIOSH-approved equipment. Also see ANSI Standard Z88.2-1980, "Practices for Respiratory Protection".

VENTILATION

LOCAL EXHAUST VENTILATION
Use sufficient local exhaust to reduce the level of respirable crystalline silica to the PEL.

SPECIAL VENTILATION
None

MECHANICAL (GENERAL) VENTILATION
None

OTHER VENTILATION
None

PROTECTIVE GLOVES
Gloves optional.

EYE PROTECTION
Eye goggles.

OTHER PROTECTIVE EQUIPMENT
Not Applicable

WORK AND HYGIENIC PRACTICES
Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

ADDITIONAL INFORMATION

This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is, to the best of our knowledge, believed to be accurate.

RATINGS

<table>
<thead>
<tr>
<th>HAZARD INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
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SHIPPING INFORMATION
Not regulated