## Material Safety Data Sheet

**PRODUCT NAME**
Pre-mixed Tile Grout - White

**MANUFACTURER'S NAME & TELEPHONE NUMBER**
Red Devil, Inc.          918-825-5744

**STREET ADDRESS**
4175 Webb Street

**CITY / STATE / ZIP**
Pryor, Oklahoma 74361

## SECTION 2 – COMPOSITION / HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Product Consists Of:</th>
<th>%</th>
<th>TLV</th>
<th>PEL</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate ** (1317-65-3)</td>
<td>&lt; 70</td>
<td>10</td>
<td>15</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Acrylic Emulsion Blend (mixture)</td>
<td>&lt; 25</td>
<td>NE</td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td>Titanium Dioxide ** (13463-67-7)</td>
<td>&lt; 2</td>
<td>10</td>
<td>10</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Petroleum Distillate/Mineral Spirits (64742-48-9)</td>
<td>&lt; 1</td>
<td>100</td>
<td>100</td>
<td>ppm</td>
</tr>
<tr>
<td>Ammonium Hydroxide (7664-41-7)</td>
<td>&lt; 0.15</td>
<td>25</td>
<td>50</td>
<td>ppm</td>
</tr>
</tbody>
</table>

*Non-hazardous ingredients*<br>

*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). **Inhalation of particulate not likely due to product's physical state. Calculated VOC: < 1.5%/wt., < 40 g/L CARB Compliance: Yes. Prop 65 Ingredients: Yes (See Section 16)

## SECTION 3 – HAZARDS IDENTIFICATION

**PRIMARY ROUTE(S) OF ENTRY**

- Skin Contact
- Skin Absorption
- Eye Contact
- Inhalation
- Ingestion

**EMERGENCY OVERVIEW**
White, slightly textured paste. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE**

- Skin: Causes skin irritation. Inhalation: Harmful if inhaled. May cause nose & throat irritation. Ingestion: Harmful if swallowed. Chronic Hazards: Formaldehyde vapor (trace residual Formaldehyde present in base acrylic emulsion) is a known animal carcinogen (IARC & NTP) & is considered possibly carcinogenic to humans by inhalation.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**
None known.

## SECTION 4 – FIRST AID MEASURES

**SKIN CONTACT**
Wash w/ soap & water for @ least 15 minutes. Get medical attention if symptoms persist. Remove & wash contaminated clothing.

**EYE CONTACT**
Immediately flush w/ large quantities of water for @ least 15 minutes until irritation subsides. Get medical attention.

**INHALATION**
Remove to fresh air. If breathing difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention.

**INGESTION**
DO NOT INDUCE VOMITING. Get immediate medical attention.
### SECTION 5 – FIRE FIGHTING MEASURES

**FLAMMABLE**  
- Yes  
- No

**EXTINGUISHING MEDIA**  
Carbon Dioxide, Dry Chemical, Foam, Water Fog

**FLASHPOINT (°F) & METHOD**  
>200°F (Seta Closed Cup)

**LOWER EXPLOSIVE LIMIT (% BY VOLUME)**  
NE

**UPPER EXPLOSIVE LIMIT (% BY VOLUME)**  
NE

**AUTOIGNITION TEMPERATURE (°F)**  
NE

**UNUSUAL FIRE & EXPLOSION HAZARDS**  
None known.

**SPECIAL FIREFIGHTING PROCEDURES**  
Wear self-contained breathing apparatus pressure demand (NIOSH approved or equivalent) & full protective gear. Use water spray to cool exposed surfaces.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**PROCEDURES**  
Wear proper protective equipment (Section 8). Use absorbent material or scrape up dried material & place in approved container.

### SECTION 7 – HANDLING & STORAGE

**HANDLING PROCEDURES & EQUIPMENT**  
Keep out of reach of children & pets. Do not take internally. Do not breathe vapors. Use only w/ adequate ventilation. Wash thoroughly after handling. Avoid contact w/ eyes, skin & clothing. Open windows & doors to ensure cross-ventilation & fresh air during application & curing.

**STORAGE REQUIREMENTS**  
Close container after each use. Store containers away from excessive heat & freezing. Do not store @ temperatures above 120°F. Store away from caustics & oxidizers.

### SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

**RESPIRATORY**  
In case of insufficient ventilation, wear suitable respiratory equipment. A NIOSH-approved air purifying respirator w/ organic vapor cartridge may be necessary under circumstances where concentrations are expected to exceed exposure limits.

**EYEWEAR**  
Goggles or safety glasses w/ side shields.

**CLOTHING / GLOVES**  
Rubber gloves. Other protective equipment not required under normal use.

**HYGENIC PRACTICES**  
Remove & wash contaminated clothing before re-use. Wash hands before breaks & @ end of workday.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL STATE</td>
<td>Paste</td>
</tr>
<tr>
<td>ODOR &amp; APPEARANCE</td>
<td>Mild acrylic/ammonia odor, v slightly textured white paste</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>Approximately 1.50 to 2.0</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1)</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>NE</td>
</tr>
<tr>
<td>BOILING RANGE (°F)</td>
<td>NE</td>
</tr>
<tr>
<td>pH</td>
<td>Approximately 7 to 10</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Slightly soluble prior to full cure</td>
</tr>
<tr>
<td>VAPOR PRESSURE (MM Hg)</td>
<td>NE</td>
</tr>
<tr>
<td>%/WT VOLATILE (TNV)</td>
<td>&lt; 25</td>
</tr>
</tbody>
</table>

### SECTION 10 – STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>STABILITY</td>
<td>Yes</td>
</tr>
<tr>
<td>INCOMPATABILITY</td>
<td>Yes</td>
</tr>
<tr>
<td>CONDITIONS TO AVOID</td>
<td>Excessive heat &amp; freezing.</td>
</tr>
<tr>
<td>HAZARDOUS POLYMERIZATION/HAZARDOUS DECOMPOSITION PRODUCTS</td>
<td>Hazardous polymerization will not occur under normal conditions. Normal decomposition products, ie: COX, NOX.</td>
</tr>
</tbody>
</table>
SECTION 11 – TOXICOLOGICAL INFORMATION / CARCINOGENICITY

ACGIH
Small amount of Silica, crystalline present in Calcium Carbonate & trace residual Formaldehyde present in base emulsion are suspected human carcinogens.

OSHA
Trace residual Formaldehyde present in base emulsion viewed as a possible cancer hazard.

IARC
Trace residual Formaldehyde: Potential human carcinogen.

NTP
Silica, crystalline, present in small amount in Calcium Carbonate Filler: Known carcinogen. Trace residual Formaldehyde: Anticipated carcinogen.

DATA WITH POSSIBLE RELEVANCE TO HUMANS
Product contains trace amounts of residual Formaldehyde. OSHA, NTP & IARC identify Formaldehyde as a potential carcinogen. Formaldehyde has been shown to cause mutations in a variety of in-vitro test systems, w/ human significance unknown. Rats have shown carcinogenic effects in respiratory system. Risk should be minimal when used w/ adequate ventilation. Maintain adequate ventilation to prevent exposure above OSHA exposure limits.

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY
Not known or expected under normal use.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
Dispose of material in accordance w/ Federal, State & Local regulations.

SECTION 14 – TRANSPORT INFORMATION

PRODUCT NOT REGULATED BY DOT.

SECTION 15 – REGULATORY INFORMATION

CERCLA – SARA HAZARD CATEGORY
Immediate health hazard; chronic health hazard.

SARA 313
None.

TSCA
All ingredients either on TSCA Inventory or exempt.

SECTION 16 – OTHER INFORMATION / SPECIAL PRECAUTIONS / LEGEND

NJ Right-to-Know: (Top 5 Ingredients): Calcium Carbonate (1317-65-3), Base Acrylic Emulsion (mixture), Water (7732-18-5), Petroleum Distillate (64742-48-9), Titanium Dioxide (13463-67-7). Pennsylvania Right-to-Know (Non-Haz @ >3%): Water (7732-18-5). Ingredients Known to State of California to cause cancer &/or developmental toxicity &/or reproductive toxicity: Silica, crystalline & Formaldehyde. HMIS Ratings: Health: 1, Flammability: 0, Reactivity: 0. Titanium Dioxide added to Massachusetts Right to Know List, Minnesota Hazardous Substance List, New Jersey Right to Know List, Pennsylvania Right to Know List & Rhode Island Hazardous Substance List. WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. INTERNATIONAL EMERGENCY NUMBER: 352-323-3500 - INFOTRAC


Reviewed By: Larry G. Brandon
VP Technology & General Manager
March 19, 2012

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