# Material Safety Data Sheet

**MSDS No.** 0076 – 00116CA

**Emergency Phone No.**
800-535-5053 - INFOTRAC

## SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

**PRODUCT NAME**
Construction Adhesive – Solvent Free – VOC Compliant

**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 <strong>(1317-65-3)</strong></td>
<td>&lt; 50</td>
<td>10</td>
<td>15</td>
<td>mg/m3</td>
</tr>
<tr>
<td>Acrylic Emulsion (mixture)</td>
<td>&lt; 35</td>
<td>NE</td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td>Benzoate Ester (proprietary)</td>
<td>&lt; 5</td>
<td>NE</td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td>Ammonium Hydroxide (7664-41-7)</td>
<td>&lt; 0.25</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 not likely due to product physical state. Calculated VOC: < 0.5%/wt (< 7 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**
  Off-white colored paste product. Harmful if swallowed.

- **Effects of Overexposure**
  May cause eye, skin, nose, throat & respiratory tract irritation.

- **Medical Conditions Aggravated by Exposure**
  None known.

## SECTION 4 – FIRST AID MEASURES

### Skin Contact
Wash w/ soap & water for 15 minutes. Get medical attention if symptoms persist. Remove & wash contaminated clothing.

### Eye Contact
Immediately flush w/ large quantities of water for 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

<table>
<thead>
<tr>
<th>FLAMMABLE</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EXTINGUISHING MEDIA</strong></td>
<td>Carbon Dioxide, Dry Chemical, Foam, Water Fog</td>
<td></td>
</tr>
<tr>
<td><strong>FLASHPOINT (°F) &amp; METHOD</strong></td>
<td>&gt;200°F (Closed Cup)</td>
<td></td>
</tr>
<tr>
<td><strong>UPPER EXPLOSIVE LIMIT (% BY VOLUME)</strong></td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td><strong>LOWER EXPLOSIVE LIMIT (% BY VOLUME)</strong></td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td><strong>AUTOIGNITION TEMPERATURE (°F)</strong></td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td><strong>UNUSUAL FIRE &amp; EXPLOSION HAZARDS</strong></td>
<td>None known.</td>
<td></td>
</tr>
<tr>
<td><strong>SPECIAL FIREFIGHTING PROCEDURES</strong></td>
<td>Wear self-contained breathing apparatus pressure demand (NIOSH approved or equivalent) &amp; full protective gear. Use water spray to cool exposed surfaces.</td>
<td></td>
</tr>
</tbody>
</table>

### 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.

**Eye Wear**
Goggles or safety glasses w/ side shields.

**Clothing / Gloves**
Rubber gloves. Other protective equipment not required under normal use.

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

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| PHYSICAL STATE | Viscous paste |
| SPECIFIC GRAVITY | Approximately 1.0 to 1.50 |
| **ODOR & APPEARANCE** | Mild acrylic/ammonia. Smooth paste. |
| **SPECIFIC GRAVITY** | Approximately 7 to 10 |
| **EVAPORATION RATE** | Slower than n-Butyl Acetate |
| **VAPOR DENSITY (AIR=1)** | Heavier than air |
| **BOILING RANGE (°F)** | 210 to 220°F |
| **pH** | Slight, before cure. |
| **SOLUBILITY IN WATER** | Slight, before cure. |
| **VAPOR PRESSURE (MM Hg)** | NE |
| **%/WT VOLATILE (TNV)** | Approximately 25 to 30% |

### SECTION 10 – STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INCOMPATABILITY</strong></td>
<td>Incompatible w/ strong bases &amp; oxidizing agents.</td>
<td></td>
</tr>
<tr>
<td><strong>CONDITIONS TO AVOID</strong></td>
<td>Excessive heat &amp; freezing.</td>
<td></td>
</tr>
<tr>
<td><strong>HAZARDOUS POLMERIZATION/HAZARDOUS DECOMPOSITION PRODUCTS</strong></td>
<td>Hazardous polymerization will not occur under normal conditions. Normal decomposition products, ie: COx, NOx.</td>
<td></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 - suspected human carcinogens.

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

IARC
Trace residual Formaldehyde: 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 identify Formaldehyde as a potential carcinogen. IARC identifies Formaldehyde as a human 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.

EPA WASTE CODE IF DISCARDED (40CFR Sec.261)
None.

SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION
Shipping information applicable for domestic ground transport only. Different categorization may be necessary if shipped via other modes of transportation &/or to non-domestic destinations. PRODUCT NOT REGULATED BY DOT.

SECTION 15 – REGULATORY INFORMATION

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

U.S. STATE RECS
See Section 16.

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), Benzoate Ester (proprietary), Water (7732-18-5), Propylene Glycol (57-55-6), Pennsylvania Right-to-Know (Non-Haz @ >3%): Water (7732-18-5). HMIS Ratings: Health: 1, Flammability: 0, Reactivity: 0, Personal Protection: B. WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. (Trace Residual Formaldehyde (50-00-0) in base polymer & Silica, crystalline (14808-60-7) present @ very low levels in calcium carbonate filler.) INTERNATIONAL EMERGENCY NUMBER: 352-323-3500 - INFOTRAC


Reviewed By: Larry G. Brandon
VP Technology & General Manager
March 1, 2012

NAME
TITLE
DATE

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