

Material Safety Data Sheet

0856 Series Lifetime Adhesive Sealant – White & Colors

MSDS No. 0097 Rev. 8

Emergency Phone No.
800-535-5053 - INFOTRAC

SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

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| PRODUCT NAME | Lifetime Adhesive Sealant – White & Colors | | |
| 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

| | % | TLV | PEL | UNITS |
|---|--------|-----|-----|-------|
| PRODUCT CONSISTS OF: | | | | |
| Calcium Carbonate ** (1317-65-3) | < 55 | 10 | 15 | mg/m3 |
| Acrylic Emulsion (mixture) | < 30 | NE | NE | |
| Benzoate Ester (proprietary) | < 8 | NE | NE | |
| Petroleum Distillate (64742-48-9) | < 1 | 100 | 100 | ppm |
| Titanium Dioxide ** (13463-67-7) | < 1.5 | 10 | 10 | mg/m3 |
| Ammonium Hydroxide (7664-41-7) | < 0.25 | 25 | 50 | ppm |
| Non-hazardous ingredients* | < 10 | NA | NA | |
| *Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). **Inhalation not likely due to products physical state. Calculated VOC: < 1.5%/wt (<25 g/L). CARB Compliance: Yes. Prop 65 Ingredients: Yes (See Section 16) | | | | |

SECTION 3 – HAZARDS IDENTIFICATION

| | | | | | |
|---|---|---|---|--|---|
| PRIMARY ROUTE(S) OF ENTRY | <input checked="" type="checkbox"/> Skin Contact | <input checked="" type="checkbox"/> Skin Absorption | <input checked="" type="checkbox"/> Eye Contact | <input checked="" type="checkbox"/> Inhalation | <input checked="" type="checkbox"/> Ingestion |
| EMERGENCY OVERVIEW | Colored paste product. Harmful if swallowed or absorbed through skin. | | | | |
| EFFECTS OF OVEREXPOSURE | May cause eye, skin, nose, throat & respiratory tract irritation. | | | | |
| MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE | None known. | | | | |

SECTION 4 – FIRST AID MEASURES

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| 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

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| FLAMMABLE | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| EXTINGUISHING MEDIA | Carbon Dioxide, Dry Chemical, Foam, Water Fog | | |
| FLASHPOINT (°F) & METHOD | >200F (Closed Cup) | UPPER EXPLOSIVE LIMIT (% BY VOLUME) | NE |
| LOWER 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

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| PROCEDURES | Wear proper protective equipment (Section 8). Use absorbent material or scrape up dried material & place in approved container. | | |
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SECTION 7 – HANDLING & STORAGE

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| 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 120F. Store away from caustics & oxidizers. | | |

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

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| 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

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| PHYSICAL STATE | Paste | ODOR & APPEARANCE | Mild acrylic. Smooth paste. |
| SPECIFIC GRAVITY | Approximately 1.55 to 1.65 | VAPOR DENSITY (AIR=1) | Heavier than air |
| EVAPORATION RATE | Slower than n-Butyl Acetate | BOILING RANGE (°F) | 210 to 220F |
| pH | 7 to 9 | SOLUBILITY IN WATER | Slight, before cure. |
| VAPOR PRESSURE (MM Hg) | NE | %/WT VOLATILE (TNV) | 15 to 25% |

SECTION 10 – STABILITY AND REACTIVITY

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| STABILITY | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Stable under normal conditions. | | |
| INCOMPATIBILITY | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Incompatible w/ strong bases & oxidizing agents. | | |
| CONDITIONS TO AVOID | Excessive heat & freezing. | | |
| HAZARDOUS POLYMERIZATION/HAZARDOUS DECOMPOSITION PRODUCTS | Hazardous polymerization will not occur under normal conditions. Normal decomposition products, ie: COx, NOx. | | |

SECTION 11 – TOXICOLOGICAL INFORMATION / CARCINOGENICITY

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| 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: 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

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| AQUATIC TOXICITY | Not known or expected under normal use. |
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SECTION 13 – DISPOSAL CONSIDERATIONS

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| 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

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| 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. |
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SECTION 15 – REGULATORY INFORMATION

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| CERCLA – SARA HAZARD CATEGORY | Immediate health hazard; chronic health hazard. | U.S. STATE REGS | 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). Ingredients Known to State of California to cause cancer &/or developmental toxicity &/or reproductive toxicity: Formaldehyde (50-00-0), Silica, crystalline (14808-60-7). HMIS Ratings: Health: 1, Flammability: 1, Reactivity: 0, Personal Protection: B. Titanium Dioxide (13463-67-7) 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. Non-white colors may contain carbon black in color dispersion. INTERNATIONAL EMERGENCY NUMBER: 352-323-3500 - INFOTRAC

LEGEND: NA – Not Applicable, NE – Not Established, UN – Unavailable, VOC – Volatile Organic Compound, PEL – Permissible Exposure Limit, TLV – Threshold Limit Value, STEL – Short Term Exposure Limit, MSDS – Material Safety Data Sheet, ACGIH – American Conference of Governmental Industrial Hygienists, SARA – Superfund Amendments & Reauthorization Act of 1986, OSHA – Occupational Safety & Health Administration, HMIS – Hazardous Materials Identification System, NTP – National Toxicology Program, CEIL – Ceiling Exposure Limit, CASRN (CAS Number) – Chemical Abstracts Service Registry Number, TSCA – Toxic Substances Control Act

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| Reviewed By: <u> Larry G. Brandon </u> | <u> VP Technology & General Manager </u> | <u> March 13, 2012 </u> |
| NAME | TITLE | DATE |

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