

# Material Safety Data Sheet

0405, 0406 Kitchen & Bath – Acrylic – White/Colors

MSDS No. 0017 Rev. 3

Emergency Phone No.  
(918)825-5744

## SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

PRODUCT NAME Kitchen & Bath Acrylic Caulk – 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
<b>PRODUCT CONSISTS OF:</b>				
Calcium Carbonate ** (1317-65-3)	<60	10	15	mg/m3
Acrylic TerPolymer Emulsion (mixture)	<25	NE	NE	
Benzoate Ester (proprietary)	<7	NE	NE	
Petroleum Distillate (64742-48-9)	<2	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: <3% (50-60 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 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

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

<b>FLAMMABLE</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>EXTINGUISHING MEDIA</b>	Carbon Dioxide, Dry Chemical, Foam, Water Fog		
<b>FLASHPOINT (°F) &amp; METHOD</b>	>200F (Seta Closed Cup)	<b>UPPER EXPLOSIVE LIMIT (% BY VOLUME)</b>	NE
<b>LOWER EXPLOSIVE LIMIT (% BY VOLUME)</b>	NE	<b>AUTOIGNITION TEMPERATURE (°F)</b>	NE
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS</b>	None known.		
<b>SPECIAL FIREFIGHTING PROCEDURES</b>	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

<b>PROCEDURES</b>	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

<b>HANDLING PROCEDURES &amp; EQUIPMENT</b>	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.
<b>STORAGE REQUIREMENTS</b>	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

<b>RESPIRATORY</b>	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.
<b>EYEWEAR</b>	Goggles or safety glasses w/ side shields.
<b>CLOTHING / GLOVES</b>	Rubber gloves. Other protective equipment not required under normal use.
<b>HYGENIC PRACTICES</b>	Remove & wash contaminated clothing before re-use. Wash hands before breaks & @ end of workday.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Paste	<b>ODOR &amp; APPEARANCE</b>	Mild acrylic/ammonia. Smooth paste.
<b>SPECIFIC GRAVITY</b>	Approximately 1.56	<b>VAPOR DENSITY (AIR=1)</b>	Heavier than air
<b>EVAPORATION RATE</b>	Slower than n-Butyl Acetate	<b>BOILING RANGE (°F)</b>	210 to 220F
<b>pH</b>	7 to 9	<b>SOLUBILITY IN WATER</b>	Slight, before cure.
<b>VAPOR PRESSURE (MM Hg)</b>	NE	<b>%/WT VOLATILE (TNV)</b>	18 to 22%

## SECTION 10 – STABILITY AND REACTIVITY

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

## SECTION 11 – TOXICOLOGICAL INFORMATION / CARCINOGENICITY

<b>ACGIH</b>	Small amount of Silica, crystalline present in Calcium Carbonate & trace residual Formaldehyde present in base emulsion are suspected human carcinogens. Monomers used in base emulsion are confirmed animal carcinogens w/ unknown relevance to humans.
<b>OSHA</b>	Trace residual Formaldehyde present in base emulsion viewed as a possible cancer hazard. Monomer used in base emulsion, a cancer hazard.
<b>IARC</b>	Trace residual Formaldehyde: Human carcinogen. Monomers in base emulsion: Possible carcinogen.
<b>NTP</b>	Silica, crystalline, present in small amount in Calcium Carbonate Filler: Known carcinogen. Trace residual Formaldehyde & various monomers used in polymerization of base emulsion: Anticipated carcinogens.
<b>DATA WITH POSSIBLE RELEVANCE TO HUMANS</b>	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. Product contains trace amounts of Acrylonitrile. It is exempt from OSHA Acrylonitrile Standard 29 CFR 1910.1045. Acrylonitrile has been classified by IARC as possibly carcinogenic to humans, by OSHA as carcinogenic & by NTP as anticipated to be a human carcinogen.

## SECTION 12 – ECOLOGICAL INFORMATION

<b>AQUATIC TOXICITY</b>	Not known or expected under normal use.
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## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>WASTE DISPOSAL</b>	Dispose of material in accordance w/ Federal, State & Local regulations.
<b>EPA WASTE CODE IF DISCARDED (40CFR Sec.261)</b>	None.

## SECTION 14 – TRANSPORT INFORMATION

<b>SPECIAL SHIPPING INFORMATION</b>	Shipping information applicable for domestic 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

<b>CERCLA – SARA HAZARD CATEGORY</b>	Immediate health hazard; chronic health hazard.	<b>U.S. STATE REGS</b>	See Section 16.
<b>SARA 313</b>	None.	<b>TSCA</b>	All ingredients either on TSCA Inventory or exempt.

## SECTION 16 – OTHER INFORMATION / SPECIAL PRECAUTIONS / LEGEND

**Prop 65 Ingredients:** Crystalline Silica, Formaldehyde, various monomers used in polymerization of base emulsion. **NJ Right-to-Know:** (Top 5 Ingredients): Calcium Carbonate (1317-65-3), Base Acrylic Emulsion (mixture), Benzoate Ester (proprietary), Water (7732-18-5), Petroleum Distillate (64742-48-9). **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:** Acrylonitrile (107-13-1), Ethyl Acrylate (140-88-5), Formaldehyde (50-00-0). **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. Non-white colors may contain carbon black in color dispersion.

**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

Reviewed By: <u>    Larry G. Brandon    </u>	<u>    VP Technology &amp; General Manager    </u>	<u>    March 12, 2009    </u>
NAME	TITLE	DATE

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