

# Material Safety Data Sheet

PREMIXED CONCRETE PATCH – Gallon 0641,  
Quart 0644, Squeeze Tube 0645 – Gray - Textured

MSDS No. 0050CPHD

Emergency Phone No.  
(918)825-5744

## SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

**PRODUCT NAME** PREMIXED CONCRETE PATCH – Textured Gray

**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)	<20	10	15	mg/m3
Aqueous Acrylic Emulsion (mixture)	<25	NE	NE	
Propylene Glycol (57-55-6)	<2	400	NA	ppm
Petroleum Distillate (64742-48-9)	<1	100	100	ppm
Crystalline Silica (as Quartz) ** (14808-60-7)	<50	0.05***	10***	mg/m3
Titanium Dioxide ** (13463-67-7)	<1.25	10	10	mg/m3
Non-hazardous ingredients*	<5	NA	NA	
*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). ** Inhalation unlikely due to products physical state. *** 8 hr TWA. Calculated VOC: <1.5%/wt, < 30 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** Textured gray paste. Harmful if swallowed. May cause eye, nose, skin, respiratory tract & throat irritation.

**EFFECTS OF OVEREXPOSURE** May cause eye, skin, nose, throat & respiratory tract irritation.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE** If product is dry sanded, asthma &/or asthma-like conditions may become worse, from prolonged or repeated exposure to dust.

## 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 not breathing, give artificial respiration. If breathing remains difficult, get medical attention.

**INGESTION** DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Get immediate medical attention.

## SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE  Yes  No

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

FLASHPOINT (°F) & METHOD >200F (Seta 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

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 or dust. 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. Do not breathe dust, if dried material is sanded.

STORAGE REQUIREMENTS Close container after each use. Store containers away from excessive heat & freezing, caustics & oxidizers. Do not store @ temperatures above 120F. 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 (Neoprene recommended). 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

PHYSICAL STATE Paste ODOR & APPEARANCE Mild acrylic. Textured gray paste.

SPECIFIC GRAVITY Approximately 1.75 to 2.25 VAPOR DENSITY (AIR=1) Heavier than air

EVAPORATION RATE NE BOILING RANGE (°F) NE

pH Approximately 7 to 10 SOLUBILITY IN WATER Appreciable, before cure.

VAPOR PRESSURE (MM Hg) NE %/WT VOLATILE (TNV) < 20

## SECTION 10 – STABILITY AND REACTIVITY

STABILITY  Yes  No Stable under normal conditions.

INCOMPATIBILITY  Yes  No Incompatible w/ strong bases & oxidizers.

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

ACGIH	Silica, crystalline & trace residual Formaldehyde present in base emulsion are suspected human carcinogens. Monomers used in base emulsions are confirmed animal carcinogens w/ unknown relevance to humans.
OSHA	Trace residual Formaldehyde present in base emulsion viewed as a possible cancer hazard. Monomer used in base emulsion, a cancer hazard.
IARC	Trace residual Formaldehyde: Human carcinogen. Monomers in base emulsion: Possible carcinogen. Crystalline silica: human carcinogen.
NTP	Silica, crystalline; Known carcinogen. Trace residual Formaldehyde & various monomers used in polymerization of base emulsion: Anticipated carcinogens.
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. 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. There is some evidence that breathing respirable crystalline silica or the disease silicosis is associated w/ an increased incidence of significant disease endpoints such as scleroderma (an immune system disorder manifested by fibrosis of the lungs, skin & other internal organs), rheumatoid arthritis, systemic lupus, erythematosus, sarcoidosis, chronic bronchitis, chronic obstructive pulmonary disease (COPD), emphysema, chronic kidney disease & end-stage renal disease.

## SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY	Not known or expected under normal use.
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## 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.
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## SECTION 15 – REGULATORY INFORMATION

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. Product contains no TSCA 12(B) materials, if exported from the U.S.

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

**Prop 65 Ingredients:** Crystalline Silica, Formaldehyde, various monomers used in polymerization of base emulsions. **NJ Right-to-Know:** (Top 5 Ingredients): Silica Sand (14808-60-7), Acrylic Emulsion (mixture), Calcium Carbonate (1317-65-3), Propylene Glycol (57-55-6), 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:** Acrylonitrile (107-13-1), Ethyl Acrylate (140-88-5), Formaldehyde (50-00-0). 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. **HMIS Ratings:** Health: 1, Flammability: 0, Reactivity: 0, Personal Protection: X. **WARNING:** This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Non-white formula may contain < 0.10%/wt of carbon black 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>December 8, 2009</u>
NAME	TITLE	DATE

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