

# Material Safety Data Sheet

0698 Series Fed Spec Butyl Rubber Sealant

MSDS No. 0065 Rev. 3

Emergency Phone No.  
(918)825-5744

## SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

PRODUCT NAME	Butyl Rubber Sealant – Fed Spec 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

	%	TLV	PEL	UNITS
<b>PRODUCT CONSISTS OF:</b>				
Petroleum Distillate (64742-48-9)	< 5	100	NE	ppm
Calcium Carbonate ** (1317-65-3)	< 60	10	15	mg/m3
Titanium Dioxide ** (13463-67-7)	< 2.5	10	15	mg/m3
Non-hazardous ingredients*	< 40	NA	NA	
*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). **Inhalation of particulates unlikely due to product's physical state. Calculated VOC: < 17%/wt. (< 200 g/L). CARB Compliance: No. Prop 65 Ingredients: Yes (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	Danger. Combustible liquid & vapor. Harmful or fatal if swallowed.				
EFFECTS OF OVEREXPOSURE	<u>Eye Contact:</u> May cause eye irritation. <u>Skin Contact:</u> May cause skin irritation. Prolonged or repeated contact can result in defatting & drying of the skin which can result in skin irritation & dermatitis (skin rash). Can be absorbed through skin. <u>Inhalation:</u> Vapor harmful if inhaled. Vapor may irritate nose & upper respiratory tract. Inhaled vapor may affect brain or nervous system resulting in dizziness, headache or nausea. Prolonged vapor inhalation may result in severe physical injury. <u>Ingestion:</u> Material may be harmful or fatal if swallowed. If ingested, product may cause vomiting, diarrhea & depressed respiration. <u>Chronic Hazards:</u> Reports have associated permanent brain & nervous system damage w/ prolonged & repeated occupational overexposure to solvents. Symptoms include: loss of memory, loss of intellectual ability & loss of coordination.				
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.
INGESTION	Do not induce vomiting. Get medical attention.

## SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE  Yes  No

EXTINGUISHING MEDIA Carbon Dioxide, Dry Chemical, Foam

FLASHPOINT (°F) & METHOD Approx. 120F (Setaflash Closed Cup)

UPPER EXPLOSIVE LIMIT (% BY VOLUME) NE

LOWER EXPLOSIVE LIMIT (% BY VOLUME) NE

AUTOIGNITION TEMPERATURE (°F) NE; NFPA Flammability Class: II

UNUSUAL FIRE & EXPLOSION HAZARDS Containers may explode if exposed to extreme heat. Eliminate source of ignition: heat, electrical equipment, sparks & flames. Do not put in contact w/ oxidizing or caustic materials.

SPECIAL FIREFIGHTING PROCEDURES Full protective equipment, including self-contained breathing apparatus, is suggested to protect from combustion products. Cool exposed containers w/ water.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

PROCEDURES Dike spill area. Absorb remaining liquid w/ absorbent material & place into appropriate containers.

## SECTION 7 – HANDLING & STORAGE

HANDLING PROCEDURES & EQUIPMENT Keep out of reach of children & pets. Avoid eye & skin contact. Avoid breathing vapors. Use only in well ventilated area.

STORAGE REQUIREMENTS Store away from caustics & oxidizers. Protect from heat, sparks & flames. Keep containers tightly closed when not in use. Protect containers from excessive heat & freezing. Do not store @ temperatures above 120F. Intentional misuse by deliberately concentrating & inhaling vapors may be harmful or fatal. Do not take internally.

## SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY Engineering Controls: Provide sufficient mechanical ventilation (local or general exhaust) to maintain exposure within guidelines. Vapors are heavier than air & will collect in low areas (basements, etc). Check all low areas before entering. If exposure exceeded, use an approved NIOSH respirator.

EYEWEAR Goggles or safety glasses w/ side shields.

CLOTHING / GLOVES Solvent impervious gloves. Readily accessible eyewash, as well as solvent impervious apron if contact may occur.

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 Petroleum odor, colored paste

SPECIFIC GRAVITY Approximately 1.4 to 1.5 VAPOR DENSITY (AIR=1) Heavier than air

EVAPORATION RATE Faster than butyl acetate BOILING RANGE (°F) Approximately 300 to 325F

pH NE SOLUBILITY IN WATER Negligible

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

## SECTION 10 – STABILITY AND REACTIVITY

STABILITY  Yes  No Stable under normal conditions.

INCOMPATIBILITY  Yes  No Strong oxidizers & caustics.

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	Calcium Carbonate filler contains Crystalline Silica.
OSHA	Calcium Carbonate filler contains Crystalline Silica.
IARC	Calcium Carbonate filler contains Crystalline Silica.
NTP	Calcium Carbonate filler contains Crystalline Silica.
DATA WITH POSSIBLE RELEVANCE TO HUMANS	Crystalline Silica known to the State of California to cause cancer.

## SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY	No product information is available.
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## SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL EPA WASTE CODE IF DISCARDED (40CFR Sec.261)	Dispose of material in accordance w/ Federal, State & Local regulations. Discarded material should be incinerated @ permitted facility. Do not reuse empty container. State & Local Regulations may differ from Federal If discarded (40 CFR 261): None.
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## SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION	DOT Proper Shipping Name: Ship as a combustible liquid in accordance with 49 CFR 173.150 (f) (2) * DOT Hazard Class: NA *. DOT UN/NA Number: None *. Packing Group: None *. * = when transported domestically by ground. When shipped by other modes of transportation this product is considered a flammable liquid.
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## SECTION 15 – REGULATORY INFORMATION

CERCLA – SARA HAZARD CATEGORY	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	U.S. STATE REGS	See Section 16.
SARA 313	None reportable.	TSCA	None reportable.

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

Prop 65 Ingredients: (Known to State of California to cause cancer) Silica, crystalline (present in Calcium Carbonate Filler). Non-white colors may contain carbon black in color dispersion. NJ Right-to-Know: (Top 5 Ingredients): Butyl Rubber Solution (mixture), Calcium Carbonate (1317-65-3), Petroleum Distillate (64742-48-9), Titanium Dioxide (13463-67-7), (Contents partially unknown). Pennsylvania Right-to-Know (Non-Haz @ >3%): Contents partially unknown. Ingredients Known to State of California to cause birth defects or reproductive harm: None. HMIS Ratings: Health: 2, Flammability: 2, Reactivity: 0. Canadian WHMIS Class: No information available. 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.

**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, NFPA – National Fire Protection Association.

Reviewed By: <u>Larry G. Brandon</u>	<u>VP Technology &amp; General Manager</u>	<u>February 18, 2010</u>
NAME	TITLE	DATE

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