

Material Safety Data Sheet

0697/OI Series RD Pro Architectural Grade – Butyl

MSDS No. 0064 Rev. 3

Emergency Phone No.
(918)825-5744

SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

PRODUCT NAME	RD Pro Architectural Grade Butyl Rubber Sealant – 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
PRODUCT CONSISTS OF:				
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	<p><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. Overexposure or misuse of Xylene can cause liver, kidney & brain damage as well as cardiac abnormalities & reproductive toxicity.</p>				
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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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.		
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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	<u>Engineering Controls</u> : 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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stable under normal conditions.
INCOMPATIBILITY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 & General Manager</u>	<u>February 18, 2010</u>
NAME	TITLE	DATE

The information contained herein has been developed based upon currently available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or for the consequences of its use or misuse.