

# Material Safety Data Sheet

0809/OI, 0829/OI RD Pro Industrial Grade Heat Resistant Silicone - Red

MSDS No. 0078 Rev. 1

Emergency Phone No.  
(918)825-5744

## SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

PRODUCT NAME	RD Pro Industrial Grade Heat Resistant Silicone - Red		
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>				
Ethyltriacetoxysilane **(17689-77-9)	< 6%	10****	10****	ppm
Methyltriacetoxysilane ** (4253-34-3)	< 6%	10****	10****	ppm
Titanium Dioxide *** (13463-67-7) (In white & colors only)	< 5%	10	15	mg/m <sup>3</sup>
Silica *** (7631-86-9)	< 12	20	20	mg/m <sup>3</sup>
Iron (III) Oxide *** (1309-37-1)	< 10	5	10	mg/m <sup>3</sup>
Non-hazardous ingredients*	> 50	NA	NA	

\*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). \*\*Observe limits for acetic acid formed during curing on exposure to water or humid air.  
\*\*\*Inhalation of particulates unlikely due to product's physical state. \*\*\*\*TWA.  
Calculated VOC: <1.5.0% (<40 g/L). CARB Compliance: Yes. Prop 65 Ingredients: None.

## 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 type="checkbox"/> Ingestion
EMERGENCY OVERVIEW	Red paste. Harmful if swallowed or absorbed through skin. May cause eye & skin irritation. May cause nose, throat & respiratory tract irritation.				
EFFECTS OF OVEREXPOSURE	<u>Acute:</u> (Eye) – Direct contact may cause moderate irritation. (Skin) – May cause moderate irritation. (Inhalation) – Slight irritation to respiratory passages. (Ingestion) – No significant effects expected from a single short-term exposure. <u>Prolonged/Repeated Exposure:</u> No known applicable information.				
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	No first aid should be needed under normal use. Remove to fresh air if needed.
INGESTION	Not intended for ingestion. No first aid should be needed. Get medical attention if irritation persists. Treat according to person's condition & specifics of exposure.

## SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE  Yes  No

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

FLASHPOINT (°F) & METHOD NA

UPPER EXPLOSIVE LIMIT (% BY VOLUME) NE

LOWER EXPLOSIVE LIMIT (% BY VOLUME) NE

AUTOIGNITION TEMPERATURE (°F) NE

UNUSUAL FIRE & EXPLOSION HAZARDS None

SPECIAL FIREFIGHTING PROCEDURES Wear self-contained breathing apparatus pressure demand (NIOSH approved or equivalent) & full protective gear. Use water spray to cool exposed surfaces. Thermal breakdown of this product during fire or high heat conditions may evolve the following hazardous decomposition products: Silicon dioxide. Carbon oxides & traces of incompletely burned carbon compounds. Formaldehyde.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

PROCEDURES Wear proper protective equipment (Section 8). Use absorbent material or scrape up dried material & place in approved container. For larger spills provide containment (Dike material to avoid spreading). Clean area well as spilled material may result in a slip hazard.

## SECTION 7 – HANDLING & STORAGE

HANDLING PROCEDURES & EQUIPMENT Keep out of reach of children & pets. Do not take internally. Do not breathe vapors. Use w/ adequate ventilation. Product evolves acetic acid when exposed to water or humid air. Provide ventilation during use to control acetic acid within exposure guidelines or use appropriate respirator. Avoid eye contact. Avoid skin contact.

STORAGE REQUIREMENTS Keep container closed & store away from water or moisture. Avoid extreme heat or cold. Store away from oxidizing materials.

## SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY No respiratory protection should be needed. As Engineering Controls, Local & General Ventilation is recommended. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm & ACGIG TLV: TWA 10 ppm, STEL 15 ppm. Use respiratory protection if adequate local exhaust ventilation unavailable. OSHA respirator regulations 29 CFR 1910.134 should be followed, using NIOSH/MSHA approved respirators. Spills: Full face respirator.

EYEWEAR Goggles or safety glasses w/ side shields. Avoid eye contact.

CLOTHING / GLOVES Nitrile rubber or butyl rubber gloves. Avoid skin contact. Contaminated clothing & shoes should be removed & washed prior to reuse.

HYGENIC PRACTICES Remove & wash contaminated clothing before re-use. Wash hands before breaks & @ end of workday.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Viscous paste ODOR & APPEARANCE Red paste w/ acetic acid odor

SPECIFIC GRAVITY Approximately 1.0 to 1.1 VAPOR DENSITY (AIR=1) NE

EVAPORATION RATE NE BOILING RANGE (°F) NE

pH NE SOLUBILITY IN WATER NE

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

## SECTION 10 – STABILITY AND REACTIVITY

STABILITY  Yes  No Stable under normal conditions.

INCOMPATIBILITY  Yes  No Materials to Avoid: Water, moisture or humid air can cause hazardous vapors to form (Sec. 8). Oxidizing material can cause a reaction.

CONDITIONS TO AVOID None.

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	No known applicable information. This product does not contain carcinogens (@0.1% or greater) as defined by IARC, NTP or OSHA.
OSHA	No known applicable information. See above.
IARC	No known applicable information. See above.
NTP	No known applicable information. See above.
DATA WITH POSSIBLE RELEVANCE TO HUMANS	No known applicable information. See above.

**SECTION 12 – ECOLOGICAL INFORMATION**

AQUATIC TOXICITY	Complete information is not yet available.
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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. RCRA Hazard Class (40 CFR 261): Not classified as a hazardous waste. State or local laws may impose additional regulatory requirements regarding disposal.

**SECTION 14 – TRANSPORT INFORMATION**

SPECIAL SHIPPING INFORMATION	<u>DOT Road Shipment Information (49 CFR 172.101)</u> : Not subject to DOT. <u>Ocean Shipment (IMDG)</u> : Not subject to IMDG code. <u>Air Shipment (IATA)</u> : Not subject to IATA regulations.
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**SECTION 15 – REGULATORY INFORMATION**

CERCLA – SARA HAZARD CATEGORY	Section 304 CERCLA: None. Section 302 (Extremely Hazardous Substances): None. Section 312 (Hazard Class): Acute: Yes. Chronic: No. Fire: No. Pressure: No. Reactive: No.	U.S. STATE REGS	See Section 16.
SARA 313	None present or none present in regulated quantities.	TSCA	All ingredients either on TSCA Inventory or exempt.

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

Prop 65 Ingredients: (Known to State of California to cause cancer) None. NJ Right-to-Know: (Top 5 Ingredients): Hydroxy-terminated Dimethyl Siloxane (70131-67-8), Silica, amorphous (7631-86-9), Methyltriacetoxysilane (4253-34-3), Ethyltriacetoxysilane (17689-77-9), Polydimethylsiloxane (63148-62-9). Pennsylvania Right-to-Know (Non-Haz @ >3%): Dimethyl siloxane, hydroxy-terminated (70131-67-8) Ingredients Known to State of California to cause birth defects or reproductive harm: None. NFPA Profile: Health: 2, Flammability: 1, Reactivity: 0.

**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>November 3, 2008</u>
NAME	TITLE	DATE

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