



MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: RTV Silicone Red (pressurized)

Product Number (s): 74059

Product Use: Sealant and adhesive

Manufacturer / Supplier Contact Information:

In United States:

CRC Industries, Inc.

885 Louis Drive

Warminster, PA 18974

www.crcindustries.com

1-215-674-4300 (General)

(800) 521-3168 (Technical)

(800) 272-4620 (Customer Service)

In Canada:

CRC Canada Co.

2-1246 Lorimar Drive

Mississauga, Ontario L5S 1R2

www.crc-canada.ca

1-905-670-2291

24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

Section 2: Hazards Identification

Emergency Overview

WARNING: Contents Under Pressure. Uncured product may irritate eyes.
Appearance & Odor: Red paste, slight odor

Potential Health Effects:

ACUTE EFFECTS:

EYE: Direct contact irritates slightly with redness and swelling.

SKIN: A single short term exposure may irritate. Repeated prolonged contact may irritate moderately.
Product contains oximes which are possible skin sensitizers.

INHALATION: Vapor exposure may cause drowsiness, injure blood system or liver, and may irritate eyes, nose and throat.

INGESTION: Low ingestion hazard in normal use. Repeated ingestion or swallowing of large amounts may injure internally.

CHRONIC EFFECTS: Unknown

TARGET ORGANS: Unknown

Medical Conditions Aggravated by Exposure: Unknown

See Section 11 for toxicology and carcinogenicity information on product ingredients.

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Hydroxy-terminated polydimethylsiloxane	70131-67-8	30 – 70
Polydimethylsiloxane	63148-62-9	10 – 20
Amorphous fumed silica	112945-52-5	5 – 10
Methyl Oximino Silane	22984-54-9	1 – 5
Vinyl Oximino Silane	2224-33-1	1 – 5
Iron oxide	1332-37-2	1 – 5
Nitrogen	7727-37-9	5

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove product from skin and immediately flush with water for 15 minutes. Remove contaminated clothing. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Get medical attention.

Note to Physicians: Treat according to person's condition and specifics of exposure

Section 5: Fire-Fighting Measures

Flammable Properties: As defined by OSHA, this product is non-flammable.

Flash Point:	None	Upper Explosive Limit:	ND
Autoignition Temperature:	ND	Lower Explosive Limit:	ND

Fire and Explosion Data:

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Dry chemical, foam or water spray may be appropriate.

Products of Combustion: Carbon oxides and traces of incompletely burned carbon compounds.

Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: For small spills, wipe up or scrape up material and package for disposal. For large spills, ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Final cleaning may require the use of steam, solvents or detergents.

Section 7: Handling and Storage

Handling Procedures: Use adequate ventilation. Product evolves methyl ethyl ketoxime when exposed to water or humid air. Avoid breathing vapors. Avoid eye and skin contact. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep container closed and store away from water or moisture. Do not expose to temperature extremes as container may rupture.

Aerosol Storage Level: I

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Hydroxy-terminated polydimethylsiloxane	NE	NE	NE	NE	NE		
Polydimethylsiloxane	NE	NE	NE	NE	NE		
Amorphous fumed silica	NE	NE	NE	NE	NE		
Methyl Oximino Silane	NE	NE	NE	NE	NE		
Vinyl Oximino Silane	NE	NE	NE	NE	NE		
Iron oxide	10	NE	5	NE	NE		mg/m ³
Nitrogen	NE	NE	NE	NE	NE		

N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated

Controls and Protection:

Engineering Controls: Area should have ventilation to provide fresh air. Acetic acid is formed upon contact with water or humid air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: Methyl ethyl ketoxime is formed upon contact with water or moisture in the air. Provide adequate ventilation to control exposures to within the exposure guideline of 2 ppm (TWA). If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as Silver Shield® or 4H®. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: Paste
 Color: Red
 Odor: Slight
 Odor Threshold: ND
 Specific Gravity: 1.39
 Initial Boiling Point: ND
 Freezing Point: ND
 Vapor Pressure: ND
 Vapor Density: ND (air = 1)
 Evaporation Rate: slow
 Solubility: not soluble in water
 Coefficient of water/oil distribution: ND
 pH: NA
 Volatile Organic Compounds: wt %: 2.5 g/L: 35 lbs./gal: 0.29

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Do not expose container to temperature extremes.

Incompatible Materials: Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form.

Hazardous Decomposition Products: Thermal decomposition of this product during fire or very high heat conditions may evolve the following products: carbon oxides, hydrogen, silicon dioxide, metal oxides.

Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

Acute Toxicity:

<u>Component</u>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Hydroxy-terminated polydimethylsiloxane	> 15400 mg/kg	> 2 g/kg	> 8750 mg/m ³ /7H
Polydimethylsiloxane	> 5000 mg/kg	No data	> 535 mg/L
Amorphous fumed silica	3160 mg/kg	No data	No data
Methyl Oximino Silane	No data	No data	No data
Vinyl Oximino Silane	No data	No data	No data
Iron oxide	No data	No data	No data
Nitrogen	No data	No data	No data

Chronic Toxicity:

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Hydroxy-terminated polydimethylsiloxane	No	No	No	Unknown	Unknown
Polydimethylsiloxane	No	No	No	No	No
Amorphous fumed silica	No	No	No	Unknown	Unknown
Methyl Oximino Silane	No	No	No	Unknown	Possible
Vinyl Oximino Silane	No	No	No	Unknown	Possible
Iron oxide	No	No	No	Unknown	Unknown
Nitrogen	No	No	No	No	No

Reproductive Toxicity: No information available
Teratogenicity: No information available
Mutagenicity: No information available
Synergistic Effects: No information available
Other: Methyl ethyl ketoxime is formed upon contact with water or humid air. Male rodents exposed to methyl ethyl ketoxime vapor throughout their lifetime developed liver tumors.

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: No information available
 Persistence / Degradability: No information available
 Bioaccumulation / Accumulation: No information available
 Mobility in Environment: No information available

Section 13: Disposal Considerations

Waste Classification: Dispensed product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33) Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

Section 14: Transport Information

US DOT (ground): UN1950, Aerosols, nonflammable, 2.2, Limited quantity**
 ICAO/IATA (air): UN1950, Aerosols, nonflammable, 2.2, Limited quantity
 IMO/IMDG (water): UN1950, Aerosols, 2.2, Limited quantity
 Special Provisions: **This product can be classified and labeled as 'Consumer Commodity, ORM-D' for domestic ground shipping until December 31, 2020. If shipping as limited quantity by ground, note that shipping papers are not required.

Section 15: Regulatory Information

U.S. Federal Regulations:

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:	Fire Hazard	No
	Reactive Hazard	No
	Release of Pressure	Yes
	Acute Health Hazard	Yes
	Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

Occupational Safety and Health Administration:

This product is regulated by the Hazard Communications Standard.

Canadian Regulations:

Controlled Products Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulation and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: A

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

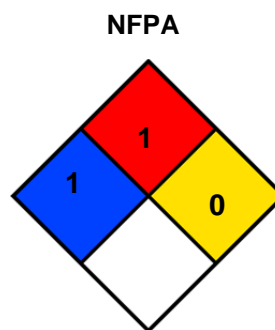
European Union Regulations:

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

Additional Regulatory Information: None

Section 16: Other Information

HMIS® (II)	
Health:	1
Flammability:	1
Reactivity:	0
PPE:	B



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By: Michelle Rudnick
 CRC #: 14075
 Revision Date: 06/02/2015

Changes since last revision: Removed Product Number
 Section 14: Transport Information
 Section 15: Regulatory Information

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

ACGIH: American Conference of Governmental Industrial Hygienists
 CAS: Chemical Abstract Service
 CFR: Code of Federal Regulations
 DOT: Department of Transportation
 DSL: Domestic Substance List
 g/L: grams per Liter
 HMIS: Hazardous Materials Identification System
 IARC: International Agency for Research on Cancer
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organization
 IMDG: International Maritime Dangerous Goods
 IMO: International Maritime Organization
 lbs./gal: pounds per gallon
 LC: Lethal Concentration
 LD: Lethal Dose

NA: Not Applicable
 ND: Not Determined
 NIOSH: National Institute of Occupational Safety & Health
 NFPA: National Fire Protection Association
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PMCC: Pensky-Martens Closed Cup
 PPE: Personal Protection Equipment
 ppm: Parts per Million
 RoHS: Restriction of Hazardous Substances
 STEL: Short Term Exposure Limit
 TCC: Tag Closed Cup
 TWA: Time Weighted Average
 WHMIS: Workplace Hazardous Materials Information System