



MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: RTV Silicone Black (pressurized)

Product Number (s): 14072

Product Use: Sealant & 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: Uncured Product May Irritate Eyes. Contents Under Pressure.
Appearance & Odor: Black paste, slight odor

Potential Health Effects:

ACUTE EFFECTS:

EYE: Direct contact may cause moderate irritation.

SKIN: May cause moderate irritation. Product contains oximes which are possible skin sensitizers.

INHALATION: Vapors may irritate nose and throat. Overexposure may cause drowsiness.

INGESTION: No significant effects expected from a single short term exposure.

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	80 – 90
Amorphous silica	7631-86-9	10 – 20
Methyl Oximino Silane	22984-54-9	5 – 10
Polydimethylsiloxane	63148-62-9	3 – 5
Nitrogen	7727-37-9	1 – 3
Carbon Black	1333-86-4	< 0.2

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 from skin and wash affected area with soap and water. 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: No first aid should be needed.
- Note to Physicians:* Treat according to person's conditions and specifics of exposure.

Section 5: Fire-Fighting Measures

Flammable Properties: 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: Aerosol containers, when exposed to heat from fire, may build pressure and explode.
- 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 eye and skin contact. Do not breathe vapors. Keep container closed. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. 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		
Amorphous silica	NE	NE	NE	NE	NE		
Methyl Oximino Silane	NE	NE	NE	NE	NE		
Polydimethylsiloxane	NE	NE	NE	NE	NE		
Nitrogen	NE	NE	NE	NE	NE		
Carbon black	3.5	NE	3	NE	NE		mg/m ³
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: None required for normal work where adequate ventilation is provided. 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: black
 Odor: slight
 Odor Threshold: ND
 Specific Gravity: 1.01 – 1.05
 Initial Boiling Point: ND
 Freezing Point: ND
 Vapor Pressure: ND
 Vapor Density: > 1 (air = 1)
 Evaporation Rate: slow
 Solubility: insoluble in water
 Coefficient of water/oil distribution: ND
 pH: NA
 Volatile Organic Compounds: wt%: < 3 g/L: 26 lbs./gal: < 0.3

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, formaldehyde, silicon dioxide, nitrogen 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:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Hydroxy-terminated polydimethylsiloxane	> 15400 mg/kg	> 2 g/kg	> 8750 mg/m ³ /7H
Polydimethylsiloxane	> 17 g/kg	> 2 g/kg	No data
Amorphous fumed silica	3160 mg/kg	No data	No data
Methyl Oximino Silane	No data	No data	No data
Carbon black	> 15.4 g/kg	> 3 g/kg	No data
Nitrogen	No data	No data	No data

Chronic Toxicity:

Component	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen	Irritant	Sensitizer
Hydroxy-terminated polydimethylsiloxane	No	No	No	Unknown	Unknown
Polydimethylsiloxane	No	No	No	No	Unknown
Amorphous fumed silica	No	No	No	No	Unknown
Methyl Oximino Silane	No	No	No	Unknown	Yes
Carbon black	No	Group 2B	No	No	Unknown

Nitrogen	No	No	No	No	Unknown
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Reproductive Toxicity: No information available
Teratogenicity: No information available
Mutagenicity: No information available
Synergistic Effects: No information available

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 a not a hazardous waste.
 Empty aerosol 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

DOT (ground): UN1950, Aerosols, non-flammable, 2.2, Limited Quantity
 ICAO/IATA (air): UN1950, Aerosols, non-flammable, 2.2, Limited Quantity
 IMO/IMDG (water): UN1950, Aerosols, 2.2, Limited Quantity
 Special Provisions: None

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	Yes

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

Canadian Regulations:Controlled Products Regulations:

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

WHMIS Hazard Class: A, D2A

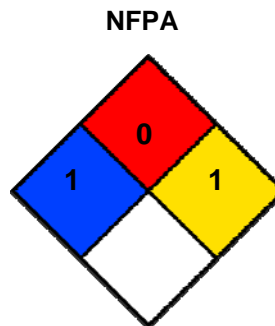
Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

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.

Section 16: Other Information

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



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

Prepared By: Michelle Rudnick
CRC #: 14072
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Changes since last revision: formula change

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	NA:	Not Applicable
CAS:	Chemical Abstract Service	ND:	Not Determined
CFR:	Code of Federal Regulations	NIOSH:	National Institute of Occupational Safety & Health
DOT:	Department of Transportation	NFPA:	National Fire Protection Association
DSL:	Domestic Substance List	NTP:	National Toxicology Program
g/L:	grams per Liter	OSHA:	Occupational Safety and Health Administration
HMIS:	Hazardous Materials Identification System	PMCC:	Pensky-Martens Closed Cup
IARC:	International Agency for Research on Cancer	PPE:	Personal Protection Equipment
IATA:	International Air Transport Association	ppm:	Parts per Million
ICAO:	International Civil Aviation Organization	RoHS:	Restriction of Hazardous Substances
IMDG:	International Maritime Dangerous Goods	STEL:	Short Term Exposure Limit
IMO:	International Maritime Organization	TCC:	Tag Closed Cup
lbs./gal:	pounds per gallon	TWA:	Time Weighted Average
LC:	Lethal Concentration	WHMIS:	Workplace Hazardous Materials Information System
LD:	Lethal Dose		