

# SAFETY DATA SHEET



Date Prepared : 12/15/2014  
 MSDS No : Black RTV Silicone-GHS  
 Date-Revised : 10/19/2017  
 Revision No : 4

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** Black RTV Silicone (N80044, N80046, N80047)

### MANUFACTURER

Pacer Technology  
 3281 E. Guasti Rd., Suite 260  
 Ontario, CA 91761

**Emergency Contact:** CHEMTREC

**Emergency Phone:** 800-424-9300

**Alternate Emergency Phone:** 703-527-3887

**Product Stewardship:** 909-987-0550

## 2. HAZARDS IDENTIFICATION

### GHS LABEL ELEMENTS

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.

Not a hazardous substance or mixture per vendor information.

### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P271: Use only outdoors or in a well-ventilated area.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Dimethyl siloxane, hydroxy-terminated	70 - 90	70131-67-8
Silica, amorphous	5 - 10	7631-86-9
Hydrotreated middle petroleum distillates	5 - 10	64742-46-7
Iron oxide	1 - 5	1332-37-2
Titanium dioxide	1 - 5	13463-67-7
Aluminum	1 - 5	7429-90-5
Carbon black	0.1 - 1	1333-86-4
Acetic Acid	0 - 0.1	64-19-7
Acetic anhydride	0 - 0.1	108-24-7

## 4. FIRST AID MEASURES

**EYES:** Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

**SKIN:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical

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attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**INGESTION:** If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

**INHALATION:** If inhaled, remove to fresh air. Get medical attention if symptoms occur.

**NOTES TO PHYSICIAN:** Treat symptomatically and supportively.

**ADDITIONAL INFORMATION:** First Aid responder should pay attention to self-protection and use the recommended personal protective equipment when the potential for exposure exists.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water spray, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), dry chemical.

**HAZARDOUS COMBUSTION PRODUCTS:** Exposure to combustion products may be a hazard to health: carbon oxides, silicon oxides, formaldehyde, metal oxides.

**FIRE FIGHTING PROCEDURES:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

**FIRE FIGHTING EQUIPMENT:** In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Soak up with inert absorbent material.

**LARGE SPILL:** For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillage cannot be contained.

**LAND SPILL:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillage cannot be contained.

**AIR SPILL:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillage cannot be contained.

**GENERAL PROCEDURES:** Follow safe handling advise and personal protective equipment recommendations.

**SPECIAL PROTECTIVE EQUIPMENT:** Use personal protective equipment.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use only with adequate ventilation.

**HANDLING:** Do not get on skin or clothing. Do not swallow. Avoid contact with the eyes. Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize releases to the environment.

**STORAGE:** Keep in properly labeled containers. Store in accordance with particular national regulations.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Titanium dioxide	ACGIH TLV	TLV		10
	OSHA PEL	PEL	[1]	15 [1]
Aluminum	ACGIH TLV	TWA		1
Carbon black	OSHA PEL	TWA		3.5
	ACGIH TLV	TWA		3.5
Acetic Acid	OSHA PEL	TWA	10	25
	ACGIH TLV	TWA	10	25
		STEL		15

**OSHA TABLE COMMENTS:**  
 1. Total dust.

**ENGINEERING CONTROLS:** Processing may form hazardous compounds. Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Dust formation may be relevant in the processing of this product.

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear the following personal protective equipment: Safety glasses.

**SKIN:** Impervious gloves. Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

**RESPIRATORY:** General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**WORK HYGIENIC PRACTICES:** Skin should be washed after contact. Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink, or smoke. Wash contaminated clothing before re-use. The precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications might require added precautions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Acetic acid

**ODOR THRESHOLD:** No data available

**APPEARANCE:** Paste

**COLOR:** Various

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**pH:** No data available

**FLASHPOINT AND METHOD:** > 100°C CC - Closed Cup

**FLAMMABLE LIMITS:** No data available

**AUTOIGNITION TEMPERATURE:** No data available

**VAPOR PRESSURE:** No data available

**VAPOR DENSITY:** No data available

**BOILING POINT:** No data available

**FREEZING POINT:** No data available

**MELTING POINT:** No data available

**THERMAL DECOMPOSITION:** No data available

**SOLUBILITY IN WATER:** No data available

**SPECIFIC GRAVITY:** 1.007

**VISCOSITY:** No data available

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. When heated to temperatures above 150C (300F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard 29 CFR 1910.1048. Hazardous decomposition products will be formed at elevated temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Formaldehyde

**INCOMPATIBLE MATERIALS:** Oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Titanium dioxide	> 24000 mg/kg (rat)	> 10000 mg/kg (rabbit)	> 6.82 mg/L
Acetic Acid	6190 mg/kg		

**SKIN CORROSION/IRRITATION:** No data available

**SERIOUS EYE DAMAGE/IRRITATION:** No data available

**RESPIRATORY OR SKIN SENSITISATION:** No data available

**GERM CELL MUTAGENICITY:** No data available

### CARCINOGENICITY

**IARC:** Group 2B: Possibly carcinogenic to humans - Titanium dioxide (CAS 13463-67-7), Carbon black (CAS 1333-86-4)

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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**NOTES:** No data available

**REPRODUCTIVE TOXICITY:** No data available

**STOT-SINGLE EXPOSURE:** No data available

**STOT-REPEATED EXPOSURE:** No data available

**ASPIRATION HAZARD:** No data available

## 12. ECOLOGICAL INFORMATION

**BIOACCUMULATION/ACCUMULATION:** No data available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in a manner consistent with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** NOT REGULATED

### AIR (ICAO/IATA)

**SHIPPING NAME:** NOT REGULATED

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** NOT REGULATED

**COMMENTS:** The transport information provided in this section only applies to the material formulation/itself, and is not specific to any package/configuration. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organizations to follow all applicable laws, regulations, and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** No SARA hazards.

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** The following components are subject to reporting levels established by SARA Title III, Section 313: Aluminum (CAS 7429-90-5) <=1.575%

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Aluminum	1 - 5	7429-90-5

#### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** This material does not contain any components with a section 302/304 EHS TPQ/RQ.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

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Chemical Name	Wt.%	CERCLA RQ
Acetic Acid	0 - 0.1	5,000
Acetic anhydride	0 - 0.1	5,000

**CERCLA RQ:** Acetic acid (CAS 64-19-7), Acetic anhydride (CAS 108-24-7).

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Dimethyl siloxane, hydroxy-terminated	70131-67-8
Silica, amorphous	7631-86-9
Hydrotreated middle petroleum distillates	64742-46-7
Iron oxide	1332-37-2
Titanium dioxide	13463-67-7
Aluminum	7429-90-5
Carbon black	1333-86-4
Acetic Acid	64-19-7
Acetic anhydride	108-24-7

**TSCA STATUS:** All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**REGULATIONS**

**STATE REGULATIONS: Pennsylvania Right To Know:** Dimethyl siloxane, hydro-terminated (CAS 70131-67-8), Silicon dioxide (CAS 7631-86-9), Dimethyl siloxane, trimethylsiloxy-terminated (CAS 63148-62-9), Iron oxide (CAS 1332-37-2), Titanium dioxide (CAS 13463-67-7), Aluminum (CAS 7429-90-5), Acetic acid (CAS 64-19-7), Acetic anhydride (108-24-7)

**California List of Hazardous Substances:**

Silicon dioxide (CAS 7631-86-9), Aluminum (CAS 7429-90-5)

**California Permissible Exposure Limits for Chemical Contaminants:**

Silicon dioxide (CAS 7631-86-9), Aluminum (CAS 7429-90-5), Titanium dioxide (CAS 13463-67-7)

**CALIFORNIA PROPOSITION 65: WARNING:** This product can expose you to chemicals including Carbon black, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name	Wt.%	Listed
Silica, amorphous	5 - 10	Cancer
Titanium dioxide	1 - 5	Cancer
Carbon black	0.1 - 1	Cancer

**16. OTHER INFORMATION**

**APPROVED BY:** Pacer Technology Regulatory Department

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PREPARED BY: Pacer Technology Regulatory Department      Date-Revised: 10/19/2017

REVISION SUMMARY: This MSDS replaces the 03/30/2015 MSDS.

## HMIS RATING

HEALTH	<input type="checkbox"/>	0
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

## NFPA CODES

