# SAFETY DATA SHEET

#### 1. Identification

**Product identifier** RTV Sllicone Sealant - Blue (pressurized)

Other means of identification

14057 Product code

Recommended use Sealant and adhesive

**Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information

Manufactured or sold by:

Company name CRC Industries, Inc.

885 Louis Dr. **Address** 

Warminster, PA 18974 US

**Telephone** 

215-674-4300 **General Information Technical** 800-521-3168

**Assistance** 

**Customer Service** 800-272-4620 24-Hour Emergency 800-424-9300 (US)

(CHEMTREC) 703-527-3887 (International) Website www.crcindustries.com

# 2. Hazard(s) identification

**Physical hazards** Gases under pressure Compressed gas **Health hazards** Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 1 Carcinogenicity Category 2

**Environmental hazards** Hazardous to the aquatic environment, acute Category 3

hazard

Hazardous to the aquatic environment,

Category 3

long-term hazard

**OSHA** defined hazards Not classified.

Label elements



Signal word Danger

Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye **Hazard statement** 

damage. Suspected of causing cancer. Harmful to aquatic life. Harmful to aquatic life with long

lasting effects.

**Precautionary statement** 

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49°C/120°F. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release

to the environment.

Response If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off

> contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

poison center/doctor. If exposed or concerned: Get medical attention.

Material name: RTV Sllicone Sealant - Blue (pressurized) 1010 Version #: 01 Issue date: 06-25-2014

Storage Store locked up. Protect from sunlight. Store in a well-ventilated place. Exposure to high

temperature may cause can to burst.

**Disposal** Dispose of contents/container in accordance with local/regional/national regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

### Supplemental information

91.75% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 91.75% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. When heated to temperature above 300°F/150°C in the presence of air, product may form formaldehyde vapors. When exposed to water or humid air, product evolves acetic acid (HOAc).

# 3. Composition/information on ingredients

Chemical name	Common name and aumanuma	CAS number	%
Chemical name	Common name and synonyms	CAS Humber	70
Polydimethylsiloxane, hydroxy-terminated		70131-67-8	60 - 70
Amorphous silica		7631-86-9	5 - 10
Distillates (petroleum), Hydrotreated Middle		64742-46-7	5 - 10
Polydimethylsiloxane		63148-62-9	5 - 10
Aluminium		7429-90-5	1 - 3
Ethyltriacetoxysilane		17689-77-9	1 - 3
Methyltriacetoxysilane		4253-34-3	1 - 3
Nitrogen		7727-37-9	1 - 3
Titanium dioxide		13463-67-7	1 - 3
Carbon black		1333-86-4	< 1

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

# 4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

medical attention and special treatment needed

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware **General information** 

of the material(s) involved, and take precautions to protect themselves.

# 5. Fire-fighting measures

Suitable extinguishing media	Dry chemicals. Foam. Water spray. Carbon dioxide (CO2).
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	Contents under pressure. When heated to temperature above 300°F/150°C in the presence of air, product may form formaldehyde vapors. When exposed to water or humid air, product evolves acetic acid (HOAc).
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-fighting	In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without

risk. Containers should be cooled with water to prevent vapor pressure build up. equipment/instructions

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop the flow of material, if this is without risk. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.

**Environmental precautions** 

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

# 7. Handling and storage

# Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. 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. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains. For product usage instructions, please see the product label.

Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

Occur	nationa	l exposure	limits

US. OSHA Table Z-1 Limits for Air Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	PEL	5 mg/m3	Respirable dust.
		15 mg/m3	Total dust.
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
Distillates (petroleum), Hydrotreated Middle (CAS 64742-46-7)	PEL	5 mg/m3	Mist.
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
US. OSHA Table Z-3 (29 CFR 1910.	1000)		
Components	Туре	Value	
Amorphous silica (CAS 7631-86-9)	TWA	0.8 mg/m3	
,		20 mppcf	
<b>US. ACGIH Threshold Limit Values</b>	<b>;</b>		
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
US. NIOSH: Pocket Guide to Chem	ical Hazards		
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	5 mg/m3	Welding fume or pyrophoric powder.

<b>US. NIOSH: P</b>	ocket Guide to	<b>Chemical Hazards</b>
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Components	Туре	Value	Form	
		5 mg/m3	Respirable.	
		10 mg/m3	Total	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3		
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3		
Distillates (petroleum), Hydrotreated Middle (CAS 64742-46-7)	STEL	10 mg/m3	Mist.	
·	TWA	5 mg/m3	Mist.	

**Biological limit values** 

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** 

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Occupational Exposure Limits are not relevant to the current physical form of the product.

#### Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Wear protective gloves such as: Nitrile. Butyl rubber. Hand protection

Other Wear appropriate chemical resistant clothing.

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a Respiratory protection

NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to

determine actual employee exposure levels.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

**Appearance** 

Solid. Physical state Paste. **Form** Color Blue. Odor Acetic acid. **Odor threshold** Not available. pН Not available.

Melting point/freezing point Initial boiling point and boiling

range

680 °F (360 °C) estimated

Not available.

Flash point > 212 °F (> 100 °C) Tag Closed Cup

**Evaporation rate** Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits Not available.

Flammability limit - lower

(%)

Flammability limit - upper

(%)

Not available.

620 hPa estimated Vapor pressure Vapor density Not available.

1.01 Relative density

Not available. Solubility (water)

Partition coefficient (n-octanol/water)

Not available.

**Auto-ignition temperature** 

500 °F (260 °C) estimated

Decomposition temperature

Not available.

Not available.

Viscosity (kinematic)

< 3 %

Percent volatile

10. Stability and reactivity

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** 

Material is stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Heat, flames and sparks. Avoid temperatures exceeding the flash point. When heated to temperature above 300°F/150°C in the presence of air, product may form formaldehyde vapors. Contact with incompatible materials. When exposed to water or humid air, product evolves acetic

acid (HOAc).

Incompatible materials

Strong oxidizing agents. Moist air. Water, moisture.

Hazardous decomposition

Carbon oxides. Traces of incompletely burned carbon compounds. Silicone dioxide.

products

Formaldehyde. Metal oxides. Nitrogen oxides (NOx). Chlorine compounds.

# 11. Toxicological information

### Information on likely routes of exposure

**Ingestion** Expected to be a low ingestion hazard.

Inhalation Inhalation of fumes may result in metal fume fever, a flu-like illness with symptoms of metallic

taste, fever and chills, aches, chest tightness, and cough. Material is not likely to present an inhalation hazard at ambient conditions. However, if material is heated or high vapor

concentrations are attained, central nervous system depression may occur, which is characterized

by drowsiness, dizziness, confusion or loss of coordination.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause

redness and pain.

### Information on toxicological effects

Acute toxicity Not available.

Product Species Test Results

RTV Sllicone Sealant - Blue (pressurized)

Acute

Inhalation

LC50 Rabbit 309.0909 mg/l, 4 hours estimated

Oral

LD50 Rat 32506.5918 mg/kg estimated

**Skin corrosion/irritation** Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory sensitization Not available.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

**Carcinogenicity** Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Amorphous silica (CAS 7631-86-9) Carbon black (CAS 1333-86-4) 3 Not classifiable as to carcinogenicity to humans.

2B Possibly carcinogenic to humans.

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

**Chronic effects** 

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not likely, due to the form of the product.

### 12. Ecological information

Ecotoxicity	Harmful to aquatic life with long las	sting effects. Accumulation in a	quatic organisms is expected.
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Prolonged exposure may cause chronic effects.

Product		Species	Test Results
RTV Sllicone Sealant	t - Blue (pressurized)	)	
Aquatic			
Fish	LC50	Fish	85.7053 mg/l, 96 hours estimated
Components		Species	Test Results
Aluminium (CAS 7429	9-90-5)		
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.16 mg/l, 96 hours
Polydimethylsiloxane	(CAS 63148-62-9)		
Aquatic			
Fish	LC50	Channel catfish (Ictalurus punctatus)	2.36 - 4.15 mg/l, 96 hours
Titanium dioxide (CA	S 13463-67-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours

Mummichog (Fundulus heteroclitus)

0.67

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Partition coefficient n-octanol / water (log Kow)

Nitrogen

LC50

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

> 1000 mg/l, 96 hours

# 13. Disposal considerations

Disposal of waste from residues / unused products

Fish

This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33). Empty containers may be recycled. Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance

with all applicable regulations.

Hazardous waste code Not regulated.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

# 14. Transport information

DOT

UN number UN1950

UN proper shipping name

Transport hazard class(es)

Aerosols, non-flammable, Limited Quantity

Class 2.2 Subsidiary risk -Label(s) 2.2

Packing group Not applicable.

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions Not available.

Packaging exceptions 306
Packaging non bulk None
Packaging bulk None

**IATA** 

UN number UN1950

**UN proper shipping name** Aerosols, non-flammable, Limited Quantity

Transport hazard class(es)

Class 2.2 Subsidiary risk -

Packing group Not applicable.

**Environmental hazards** No. **ERG Code** 2L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo Allowed.

aircraft

Cargo aircraft only Allowed.

**IMDG** 

UN number UN1950

UN proper shipping name AEROSOLS, LIMITED QUANTITY

Transport hazard class(es)

Class 2 Subsidiary risk -

Packing group Not applicable.

**Environmental hazards** 

Marine pollutant No.

EmS Not available.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

# 15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### SARA 304 Emergency release notification

Not regulated.

# US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Not listed.

# **CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

#### **CERCLA Hazardous Substances: Reportable quantity**

Not listed.

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.

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

Food and Drug Not regulated.

Administration (FDA)

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 Immediate Hazard - Yes
Hazard categories Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - Yes

Pressure Hazard - Yes Reactivity Hazard - No

SARA 302 Extremely hazardous substance

#### **US** state regulations

# US. New Jersey Worker and Community Right-to-Know Act

Aluminium (CAS 7429-90-5) Carbon black (CAS 1333-86-4) Nitrogen (CAS 7727-37-9)

Titanium dioxide (CAS 13463-67-7)

### **US. Massachusetts RTK - Substance List**

Aluminium (CAS 7429-90-5) Amorphous silica (CAS 7631-86-9) Nitrogen (CAS 7727-37-9)

Titanium dioxide (CAS 13463-67-7)

### US. Pennsylvania Worker and Community Right-to-Know Law

Aluminium (CAS 7429-90-5) Amorphous silica (CAS 7631-86-9) Carbon black (CAS 1333-86-4)

Distillates (petroleum), Hydrotreated Middle (CAS 64742-46-7)

Nitrogen (CAS 7727-37-9)

Titanium dioxide (CAS 13463-67-7)

#### **US. Rhode Island RTK**

Aluminium (CAS 7429-90-5)

### **US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Carbon black (CAS 1333-86-4) Listed: February 21, 2003

# Volatile organic compounds (VOC) regulations

# **EPA**

VOC content (40 CFR < 3 %

51.100(s))

Consumer products (40 CFR 59, Subpt. C)

Not regulated

State

Consumer products This product is regulated as a Sealant and Caulking Compound. This product is compliant for use

in all 50 states.

VOC content (CA) < 3 % VOC content (OTC) < 3 %

# International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

Country(s) or region Inventory name On inventory (yes/no)\*

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# 16. Other information, including date of preparation or last revision

06-25-2014 Issue date Allison Cho Prepared by

Version # 01

**Further information** Not available. Health: 2\* **HMIS®** ratings Flammability: 1

Physical hazard: 0 Personal protection: B

NFPA ratings Health: 2

Flammability: 1 Instability: 0

NFPA ratings



**Disclaimer** 

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