

POLYCAST INDUSTRIES, INC.

Safety Data Sheet RTV-710 Part A

SECTION 1: Identification

1.1 Product identifier

Product name	RTV-710 Part A
Product number	RTV-710 Part A
Brand	PCI
Substance name	Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified
CAS no.	68988-89-6

1.4 Supplier's details

Name	Polycast Industries, Inc.
Address	130 South 2nd Street Bay Shore, NY 11706 USA
Telephone	6315952530
Fax	6315952537

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Substance name	Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified
CAS no.	68988-89-6

Other names / synonyms	Silicone
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1. Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified	
Concentration	100 %

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Consult a physician. Show this safety data sheet to the doctor in attendance.
In case of skin contact	Wash skin with soap and water or waterless hand cleaners. Remove contaminated clothing.
In case of eye contact	Flush Eyes with water for 15 minutes, and get medical attention.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water and get medical attention.
Personal protective equipment for first-aid responders	No special precautions are necessary for first aid responders.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Foam, Carbon Dioxide (CO₂), Dry Chemical, Sand

5.2 Specific hazards arising from the chemical

Exposure to combustion products may be a hazard to health.

5.3 Special protective actions for fire-fighters

Wear protective clothing.
Fight fire from a safe distance.
Close all valves to the area.
None. Shut off all power to the area.
Emergency lights must be turned on.
Self-contained breathing apparatus is to be used.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory protection:	NESA/NIOSH approved respirator is recommended. **Always work in areas with adequate ventilation to allow dissipation of any vapors.
Ventilation:	Provide adequate cross air circulation.
Protective Gloves:	Gloves resistant to chemical penetration
Eye Protection:	Splash-proof safety, Chemical Worker and Chemical Splash goggles.
Other Protective Equipment:	Eyewash Station, Emergency Shower, and use of barrier cream recommended. Chemical Apron, Rubber Foot Covering, Clean Long Sleeve and Leg Clothing.

6.3 Methods and materials for containment and cleaning up

Steps For Material Spillage: Absorb with sand and dispose of in an approved manner.

Safety Data Sheet

RTV-710 Part A

Dike area with sand to contain spilled liquid.
Prevent spillage from entering underground water systems.
Ventilate area. Flush area with water but do NOT flush into sewer.
Remaining material may be emulsified with soap and water and absorbed.
Scoop up contaminated soil and place in dry drums.
Large spills may be pumped into closed, but not sealed containers.

Waste disposal methods:

Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash thoroughly after handling.
Wash before eating, drinking, smoking, or using toilet.
Keep away from open flames.
Check all containers for leaks.
Avoid prolonged breathing or contact with skin.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place.
Store in tightly closed containers
Store away from food and beverages.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified (CAS: 68988-89-6)
TWA (Inhalation) (OSHA)

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Splash-proof safety, Chemical Worker and Chemical Splash goggles.

Skin protection

Gloves resistant to chemical penetration.

Body protection

Splash-proof safety, Chemical Worker and Chemical Splash goggles.
Gloves resistant to chemical penetration.

Respiratory protection

NESA/NIOSH approved respirator is recommended.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form
Odor
Odor threshold

Solid
Slight
n/a

Safety Data Sheet

RTV-710 Part A

pH	n/a
Melting point/freezing point	n/a / -85F
Initial boiling point and boiling range	n/a
Flash point	>200F
Evaporation rate	Slower (relative to n-butyl acetate)
Flammability (solid, gas)	Combustible Liquid Class III B
Upper/lower flammability limits	n/a
Upper/lower explosive limits	n/a
Vapor pressure	n/a
Vapor density	heavier than air
Relative density	n/a
Solubility(ies)	in H ₂ O, negligible (<0.1%)
Partition coefficient: n-octanol/water	n/a
Auto-ignition temperature	n/a
Decomposition temperature	n/a
Viscosity	n/a
Explosive properties	n/a
Oxidizing properties	n/a

Other safety information

Specific Gravity: 1.45

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

None.

10.5 Incompatible materials

Amines, acids, water, hydroxyl, or active hydrogen compounds.

10.6 Hazardous decomposition products

Oxides of carbon and oxides of silicon

SECTION 11: Toxicological information

Information on toxicological effects

Summary of evaluation of the CMR properties

---Ingredient---	OSHA	ACGIH	LD50 (mg/kg)	LC50 (ppm)
Material Ingredient	PEL	TLV (twa)	(rat) (rbt)	(rat)
		Mg/m ³ ppm	oral dermal	inhal
Epoxy resin	n/a	n/a	>9000 >10000	n/a

SECTION 12: Ecological information

SECTION 13: Disposal considerations

Disposal of the product

Dispose of in accordance with local regulations.

Disposal of contaminated packaging

Dispose of in accordance with local regulations.

Sewage disposal

Do NOT flush into sewer.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

HMIS Rating

Health	1
Flammability	0
Physical hazard	0
Personal protection	G

SECTION 16: Other information