

# Material Safety Data Sheet

## Section I - Product Identification

**Manufacturer/Supplier:**  
Pittsburgh Corning Corporation  
800 Presque Isle Drive  
Pittsburgh, PA 15239

**Information Number:** 724/327-6100  
**Chemtrec:** 1-800/424-9300

**Product Name:** PC® RTV 450 SILICONE ADHESIVE      **Generic Name:** Silicone Rubber

**CAS Number:** N. AP.      **CAS Name:** N. AP.

**NFPA HAZARD CLASS:** Health: 2    Fire: 0    Reactivity: 0

**WHMIS CLASSIFICATION:** CLASS D Division 2B

**Use:** PC® RTV 450 Silicone Adhesive is a one-part acetoxy cure, silicone adhesive/sealant formulated for use at high temperatures with FOAMGLAS® insulation.

## Section II - Hazardous Ingredients

Ingredient	CAS Number	% by Wt.	ACGIH* TLV	OSHA** PEL	OSHA STEL	OSHA CEILING	NTP*** IARC OSHA Reg.
Methyltri-acetoxysilane	4253-34-3	1 - 5	10 ppm	10 ppm	N. AV.	N. AV.	No

**Comment:** N. AV. - Not Available  
N. AP. - Not Applicable

\* American Conference of Governmental Industrial Hygienists.

\*\* OSHA 29 CFR 1910.1000

\*\*\* Dangerous Properties of Industrial Materials, 9th Ed. by Sax/Lewis.  
See Section VI - Toxicological and First Aid Information of this MSDS.

## Section III - Physical Data

-Physical State at 77°F (25°C):	Semi-solid	-Freezing Point:	N. AP.
-Boiling Point	N. AP.	-Melting Point:	N. AP.
-Vapor Pressure (mm of mercury):	< 5 @ 77°F (25°C)	-Specific Gravity (water = 1):	1.04
-Vapor Density (air = 1):	N. AP.	-Percent Volatile (by volume):	< 5
-Solubility in Water:	Insoluble	-Evaporation Rate (butyl acetate = 1):	< 1
-Appearance and Odor:	Aluminum, similar to vinegar	-Evaporation Rate (ethyl ether = 1):	N. AP.
-Odor Threshold:	1.0 ppm	-pH:	N. AP.
-Coefficient of Water/Oil Distribution:	N. AV.		

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**Section IV - Fire and Explosion Hazard Data**

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**Conditions of Flammability:** Combustible when exposed to flame.

**Flash Point:** >400° F (204.4°C)      **Flammable Limits:** LEL: N. AV. UEL: N. AV.  
(percent by volume)

**Auto Ignition Temperature:** Unknown      **Extinguishing Media:** Dry chemical, carbon dioxide, foam, water or water spray.

**Special Fire Fighting Procedures:** Self-containing breathing apparatus operated in pressure demand or other positive pressure mode is required for fire fighting personnel.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, silicon dioxide and acetic acid.

**Explosion Data:** Sensitivity to mechanical impact: None.      Sensitivity to static discharge: None.

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**Section V - Reactivity Data**

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**Stability:** Stable      **Conditions to Avoid:** Store away from excessive heat and flame.

**Incompatibility (Materials to Avoid):** Strong oxidizing agents, acids, and bases.

**Hazardous Decomposition or Byproducts:** Thermal decomposition may produce carbon dioxide, carbon monoxide, silicon dioxide and traces of incompletely burned carbon products.

**Hazardous Polymerization:** Will not occur.      **Conditions to Avoid:** N. AP.

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**Section VI - Toxicological and First Aid Information**

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**OSHA Permissible Exposure Level:** See Section II.

**Routes of Entry:**      **Inhalation:** Yes      **Skin:** Yes      **Ingestion:** Yes  
                                 **Eye Contact:** Yes

**Effects of Overexposure:** Effects of overexposure to PC® RTV 450 SILICONE ADHESIVE.

**Acute:** **Inhalation -** Overexposure can cause mild respiratory irritation.

**Eyes -** Direct contact can cause irritation.

**Skin -** Uncured product can cause irritation.

**Ingestion -** May cause stomach irritation, nausea and vomiting. May be harmful or fatal.

**Chronic:** **Skin -** Repeated or prolonged contact of uncured product can cause mild irritation or dermatitis.

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**Section VI - Toxicological and First Aid Information con't**

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**Medical Conditions Generally Aggravated By Exposure to Adhesive:** None known.

**Other Toxicological Properties:** None known.

**Emergency and First Aid Procedures:**

**Eyes:** Flush with potable water for 15 minutes, do not rub or apply pressure. Consult physician or emergency medical service.

**Skin:** Remove material from skin and wash with soap and water. If irritation persists consult physician or emergency medical service.

**Inhalation:** Remove victim to fresh air. If breathing is labored, give oxygen. If breathing has stopped, apply artificial respiration. Call physician or emergency medical service immediately.

**Ingestion:** Do not induce vomiting. Consult physician, emergency medical service or poison center immediately.

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**Section VII - Precautions For Safe Handling and Use**

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**Steps to be Taken in Case Material is Released or Spilled:** Cover with an excess of inorganic absorbent material such as (Vermiculite). Scoop up and place in labeled drums. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required.

**Waste Disposal Method:** Dispose of in approved landfill in accordance with all local, state and federal regulations.

**Precautions to be Taken in Handling and Storing:** Store below 90°F (32.2°C). Keep containers closed.

**Other Precautions:** Keep out of reach of children. For professional use only. Not for sale to or use by the general public.

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**Section VIII - Personnel Protection Information**

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**Eye Protection:** Safety glasses with sideshields or goggles are recommended.

**Skin Protection:** Cloth gloves with long sleeved shirt.

**Respiratory Protection:** None normally required. Use respirator protection unless local exhaust ventilation is adequate.

**Ventilation:** Provide sufficient mechanical (general and/or local exhaust) ventilation.

**Other Protective Clothing or Equipment:** None.

**Work/Hygienic Practices:** Use good housekeeping and hygiene practices.

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**Section IX - Shipping Information**

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**DOT Hazard Class:** None      **DOT label:** None

**Proper Shipping Name:** Silicone Rubber Adhesive

**UN #:** None

**IATA Hazard Class:** None

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**Section X - Preparation Information**

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**Prepared by:** H. J. Patrick

**Date of Revision:** 2/2/00

While the information and recommendations set forth herein are believed to be accurate, Pittsburgh Corning Corporation makes no warranty with respect thereto, and disclaims all liability from reliance thereon.

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