



## MATERIAL SAFETY DATA SHEET

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# BRONZE SILICONE SEALANT INDUSTRIAL GRADE PART NO. 49284

### SECTION I - IDENTITY INFORMATION

Description : RTV Silicone Sealant - 11 oz. Cartridge

### SECTION II - HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>	<u>WGT %</u>
Methyltriacetoxysilane	42533343	See Comment Below	2
Ethyltriacetoxysilane	17689779	See Comment Below	2
Silica, Amorphous	7631869	OSHA PEL: TWA 6 MG/M3 ACGIH TLV: TWA 10 MG/M3 Total Dust	10

**COMMENT: OBSERVE LIMITS FOR ACETIC ACID, FORMED DURING CURING ON EXPOSURE TO WATER OR HUMID AIR. OSHA PEL: TWA 10 PPM. ACGIH TLV: TWA 10 PPM, STEL 15 PPM**

### SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point (@ 760 MM HG)	: N/A
Vapor Pressure (@ 77 <sup>0</sup> F/25 <sup>0</sup> C)	: <5 MM
Vapor Density (AIR=1 @ 77 <sup>0</sup> F/25 <sup>0</sup> C)	: N/A
Solubility in Water (%)	: <0.1
Specific Gravity (@ 77 <sup>0</sup> F/25 <sup>0</sup> C)	: 1.03
Melting Point	: N/A
Evaporation Rate (ETHER=1)	: N/A
Percent Volatile by Weight (%)	: <5
Odor, Appearance, Color	: Acetic Acid-Like, Paste, Bronze

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	: N/A
Autoignition	: Not Determined
Flammability Limits in Air	: Lower - N/D Upper - N/D
Extinguishing Media	: Water, water fog, CO <sub>2</sub> , dry chemical, foam.
Special Fire Fighting Procedures	: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Unusual Fire and Explosion Hazards : None known.

***\*Product is considered a solid for DOT purposes and flash point is not applicable.***

## SECTION V - REACTIVITY DATA

Stability : Stable  
Incompatibility (Material to Avoid) : Oxidizing material can cause a reaction. Air or moisture causes curing and acetic acid vapors to form.  
Conditions to Avoid : Exposure to air or moisture until ready to use.  
Hazardous Decomposition Products : Silicon dioxide, carbon dioxide, and traces of incompletely burned carbon products.  
Hazardous Polymerization : Will not occur.  
Conditions to Avoid : N/A

## SECTION VI - HEALTH HAZARD DATA

### EFFECTS OF OVEREXPOSURE:

Eyes : Direct contact irritates slightly with redness and swelling.  
Skin : A single short exposure (less than 24 hours) may irritate. Repeated prolonged (24 to 48 hours) may irritate moderately.  
Inhalation : Vapor overexposure may irritate eyes, nose and throat.  
Oral : Small amounts transferred to the mouth by fingers during use, etc. should not injure. Swallowing large amounts may cause digestive discomfort.

***COMMENTS: No Injury from Silica Dust Should Occur During Reasonable Use. If Use Creates Respirable Particles, Some Respiratory System Injury may Occur. Cured Sealant is Non-Hazardous.***

### EMERGENCY AND FIRST AID PROCEDURES:

Eyes : Flush with water for 15 minutes. Obtain medical attention.  
Skin : Wipe off and flush with water. Get medical attention if irritation develops.  
Inhalation : Remove to fresh air. Obtain medical attention if ill effects persist.  
Oral : No first aid should be needed.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

### PROTECTIVE EQUIPMENT:

Eyes : Use proper eye protection -- safety glasses, as a minimum.

Skin	: Washing at mealtime and end of shift is adequate. Remove contaminated clothing and shoes as soon as practical and clean thoroughly before reuse. Rubber or plastic gloves are recommended
Inhalation	: Use respiratory protection unless local exhaust ventilation is adequate or air sampling data show exposures are within TLV and PEL guidelines.
VENTILATION:	
Local Exhaust	: Recommended
Mechanical (General)	: Recommended
Suitable Respirator	: Organic vapor type.

## SECTION VIII - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing closed	: Store below 90 <sup>0</sup> F/32 <sup>0</sup> C. Keep container when not in use.
Other Precautions	: Product forms acetic acid (HOAC) when exposed to water or humid air. Provide ventilation during use to control HOAC exposure within 10 PPM (current TLV) or use respiratory protection.

**COMMENTS:** *Traces of Formaldehyde (Carcinogen) may form if heated in Air above 300<sup>0</sup>F/149<sup>0</sup>C. Provide Ventilation to Control Vapor Exposure within Inhalation Guidelines when handling at Elevated Temperatures. Review the OSHA Formaldehyde Regulations for Detailed Information on safe Handling Requirements.*

## SECTION IX – SPILL/LEAK AND DISPOSAL PROCEDURES

Steps to be taken in Case Material is released or Spilled	: Remove product and contain for salvage or disposal.
PROTECTIVE EQUIPMENT:	
Eyes	: Use proper protection -- safety glasses, as a minimum.
Skin	: Washing at mealtime and end of shift is adequate. Remove contaminated clothing and shoes as soon as practical and clean thoroughly before Reuse. Rubber or plastic gloves are recommended.
Inhalation	: Use respiratory protection unless local exhaust ventilation is adequate or air sampling data show exposures are within TLV and PEL guidelines.
Waste Disposal Method concerning health and pollution to determine	: Review all local, state, and federal regulations approved method.

## SECTION X – HAZARD COMMUNICATION CODES

NFPA RATINGS:

Health	:	1
Flammability	:	1
Reactivity	:	0

The Information Contained Herein is Based on Data Considered Accurate. However, No Warranty is Expressed or Implied Regarding the Accuracy of the Data or the Results to be obtained From the Use Thereof. Because the Information Contained herein may be applied Under Conditions beyond Our Control, We Assume No Responsibility for Its Use.

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