



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 ⁰ F/25 ⁰ C)	: <5 MM
Vapor Density (AIR=1 @ 77 ⁰ F/25 ⁰ C)	: N/A
Solubility in Water (%)	: <0.1
Specific Gravity (@ 77 ⁰ F/25 ⁰ 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 ₂ , 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 ⁰ F/32 ⁰ 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 300⁰F/149⁰C. 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

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