



MATERIAL SAFETY DATA SHEET

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SILICONE SEALANT INDUSTRIAL GRADE PART NO. 49281

SECTION I - IDENTITY INFORMATION

Description : RTV Silicone Sealant -11 oz. Cartridge

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>INGREDIENTS</u>	<u>CAS NO.</u>	<u>EXPOSURE LIMITS</u>	<u>WGT %</u>
Methyltriacetoxysilane	4253343	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 and Color	: Acetic acid-like, paste, aluminum.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	: N/A
Autoignition	: Not Determined
Flammable 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.

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	: Aluminum oxide, 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 contact (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.

COMMENT: *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. Get 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 ade-

quate. Remove contaminated clothing and shoes

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Inhalation

as soon as practical and clean thoroughly before Reuse. Rubber or plastic gloves are recommended.

: 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

SECTION VIII – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and

Storing : Store below 90⁰F/32⁰C. Keep container closed 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 330⁰F/149⁰C. Provide Ventilation to Control Vapor Exposure within Inhalation Guidelines when handling at Elevated Temperatures.*

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

: Review all local, state, and federal regulations concerning health and pollution to determine approved method.

SECTION X – HAZARD COMMUNICATION CODES

NFPA RATINGS:

Health	:	1
Flammability	:	1
Reactivity	:	0

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