



MATERIAL SAFETY DATA SHEET

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CLEAR SILICONE ADHESIVE SEALANT PART NOS. 49204, 49294

SECTION I - IDENTITY INFORMATION

Description : RTV Clear Silicone Adhesive/Sealant

SECTION II - HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>	<u>WGT %</u>
Methyltriacetoxysilane	004253343	See Comment Below	2
Ethyltriacetoxysilane	017689779	See Comment Below	2
Silica, Amorphous	007631869	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, STEL 15 PPM.*

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point (@ 760 MM HG)	: N/A
Melting Point	: 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)	: 1.02
Percent Volatile By Weight (%)	: <5
Evaporation Rate (Ether=1)	: N/A
Odor, Appearance and Color	: Acetic acid-like, paste, clear.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	: N/A
Autoignition	: N/D
Flammability Limits in Air	: Lower - N/D Upper N/D
Extinguishing Media	: Water fog, foam, CO ₂ , dry chemical.
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.

COMMENTS: *N/D - Not Determined. Product is considered a Solid for DOT Purposes and Flash Point is not applicable.*

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

- Eye : 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.

EMERGENCY AND FIRST AID PROCEDURES

- Eyes : Flush with water for at least 15 minutes. Seek medical assistance.
- 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 VI - 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 VII – SPILL OR LEAK 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	: Dispose of material in accordance with local, state, and federal regulations.

SECTION VIII – ROUTINE HANDLING PRECAUTIONS

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.

VENTILATION :

Local Exhaust	: Recommended.
Mechanical (General)	: Recommended.
Suitable Respirator	: Organic vapor type.

****Good Practice Requires That Gross Amount of any Chemical be Removed From the Skin As Soon As Practical, Especially Before Eating or Smoking .***

COMMENTS: Avoid Breathing Vapors and Eye and Skin Contact. Use Only With Adequate Ventilation. DO NOT Take Internally.

SECTION IX – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing	: Store below 90 ⁰ F/32 ⁰ C. 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 300⁰F/149⁰C. Provide Ventilation to Control Vapor Exposure Within Inhalation Guidelines When Handling at Elevated Temperatures.

SECTION X – REGULATORY INFORMATION

Proper Shipping Name (49CFR 172.101) : None
D.O.T. Hazard Name (49CFR 172.101) : None
D.O.T. ID No. (49CFR 172.101) : None
D.O.T. Hazard Class (49CFR 172.101) : None
RCRA Hazard Class (40CFR 261)(if discarded) : None
E.P.A. Priority Pollutants (40CFR 122.53) : None

SECTION XI – HAZARD COMMUNICATION CODES

NFPA RATINGS:

Health : 1
Flammability : 1
Reactivity : 0

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