



## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT: 502 SILICONE SEALANT

**Supplier:** American Sealants, Inc.  
3806 Option Pass  
Fort Wayne, IN 46818

**Phone:** (260) 489-0728  
**Fax:** (260) 489-0519  
**Emergency/InfoTrac:** 800-535-5053

**Generic Description:** Silicone Elastomer

**NFPA Profile:** Health NA

**Flammability (NFPA):** 1

**Reactivity** 0

**Physical Form:** Paste

**Color:** All Colors

**Odor:** Some Odor

**CAS NO:** Mixture

**Health (NFPA):** 1

**Revised** 02/16/05

**Note:** NFPA = National Fire Protection Association

### SECTION 2. HAZARDOUS COMPONENTS

<u>CAS Number</u>	<u>Wt%</u>	<u>Component</u>	<u>Exposure Limits</u>
004253343	2 - 5	Methyltriacetoxysilane	See comment below
017689779	2 - 5	Ethyltriacetoxysilane	See comment below
007631869	5 - 10	Silica, Amorphous	OSHA PEL: TWA 6 MG/M3 ACGIH TLV: TWA 10 MG/M3 Total Dust
70131-67-8	60 - 80	Polydimethylsiloxane Silonol/STPD	See comment below
63148629	5 - 10	Dimethylpolysiloxane	See comment below

**Comments:** 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 3. EFFECTS OF OVEREXPOSURE

#### Acute Effects

**Eye:** Direct contact irritates slightly with redness and swelling.

**Skin:** A single short exposure (Less than 24 hours) may irritate. Repeated or prolonged contact (24 to 48 hours) may cause 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 dusts should occur during reasonable use. If use creates respirable particles some respiratory system injury may occur. Cures sealant is nonhazardous

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Overexposure to any chemical may result in enhancement of pre-existing adverse medical conditions and allergic reactions.

### SECTION 4. FIRST AID MEASURES

**Eye:** Immediately flush with water for 15 minutes. Get medical attention.

**Skin:** Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.

**Inhalation:** Remove to fresh air. Get medical attention if ill effects persist.

**Oral:** No first aid should be needed

**Comments:** None

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### SECTION 5. FIRE AND EXPLOSION DATA

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**Flash Point (Method Used):** Not applicable  
**Autoignition:** Not determined  
**Flammability Limits in air:** Lower: N.D. Upper: N. D.  
**Extinguishing Media:** Water Water Fog X Co2 X Dry chemical x Foam x Other  
**Special Fire and Explosion Procedures:** Self contained breathing apparatus and protective clothing should be worn if 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

**Boiling Point (at 760 MM HG):** Not Applicable  
**Specific Gravity (at 77°F/25°C)** 1.02  
**Melting Point:** Not applicable  
**Vapor Pressure (at 77°F/25°C):** Less than 5 mm  
**Vapor Density (Air - 1 at 77 °F/25°C):** Not applicable  
**Percent Volatile by Weight (%):** Less than 5  
**Evaporation Rate (Ether = 1) :** Not applicable  
**Solubility in water (%):** Less than 0.1  
**Odor, Appearance, Color:** Acetic Acid-like, Paste, Clear,

Note: The above information is not intended for use in preparing product specifications.

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### SECTION 6. PHYSICAL DATA

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**Boiling Point (at 760 MM HG):** Not Applicable  
**Specific Gravity (at 77°F/25°C)** 1.02  
**Melting Point:** Not applicable  
**Vapor Pressure (at 77°F/25°C):** Less than 5 mm  
**Vapor Density (Air - 1 at 77 °F/25°C):** Not applicable  
**Percent Volatile by Weight (%):** Less than 5  
**Evaporation Rate (Ether = 1) :** Not applicable  
**Solubility in water (%):** Less than 0.1  
**Odor, Appearance, Color:** Acetic Acid-like, Paste, Clear,

Note: The above information is not intended for use in preparing product specifications.

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### SECTION 7. REACTIVE DATA

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**Stability:** Stable  
**Incompatibility (Material to Avoid):** Oxidizing material can cause a reaction. Air or moisture causes curing and acetic acid vapors form.  
**Conditions to Avoid:** Exposure to air or moisture until ready to use.  
**Hazardous decomposition products:** Silicone dioxide, carbon dioxide, and traces of incompletely burned carbon products.  
**Hazardous polymerization:** Will not occur  
**Conditions to Avoid:** Not applicable

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## SECTION 8. SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove product and contains for salvage or disposal.

### Personal Protective Equipment

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

**Skin:** Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

**Inhalation:** Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are Within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing Engineering controls.

**Waste Disposal Method:** American Sealants suggest that all local, state and federal regulations concerning health and pollution be reviewed to determine approved disposal procedures.

**D.O.T. (49CFR 171.8)/E.P.A. (40 C.F.R.117) Spill Reporting Information**

**Hazardous Substances:** None

**Reportability Quantity:** Not Applicable

**Concentration of Hazardous Substance:** Not applicable

**Reportable Quantity of Product:** Not applicable

**Comments:** Product contains no ingredients subject to D.O.T. or E.P.A. CERCLA/ SARA Environmental release reporting regulations.

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## SECTION 9. ROUTINE HANDLING PRECAUTIONS.

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### 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.

These precautions are for room temperature handling; use at elevated temperature, or aerosol/spray applications, may require added precautions. \* 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.

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## SECTION 10. SPECIAL PRECAUTIONS

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**Precautions To Be Taken In Handling And Storing:** Store below 90°F/32°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 300°F/149°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.

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**SECTION 11 REGULATORY INFORMATION**

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**Additional SARA Regulatory Compliance Information****SEC. 312 Hazardous Class:** Immediate**SEC. 313 Notification:** Not applicable - either non present or non present in regulated quantities.**Supplemental State Compliance Information:**

Pennsylvania:	10%	007631869 Silica, Amorphous		
		070131678 Polydimethylsiloxane Silanol/ STPD		
Massachusetts:	10%	007631869 Silica, Amorphous		
New Jersey:	10%	007631869 Silica, Amorphous, Fumed; #1655		
		004253343 Methyltriacetoxysilane	63148629	Dimethylpolysiloxane
		017689779 Ethyltriacetoxysilane	070131678	Polydimethylsiloxane Silanol/ STPD

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.