



Polymer Adhesives

Sealant Systems, Inc.

# MATERIAL SAFETY DATA SHEET

## SECTION I

DISTRIBUTOR OR MANUFACTURER: <b>Polymer Adhesives Sealant Systems, Inc.</b>		EMERGENCY TELEPHONE NO. <b>CHEMTREC (800) 424-9300</b>
ADDRESS (Number, Street, City, State and ZIP Code) <b>501 Garrett Morris Parkway Mineral Wells, TX 76067</b>		
CHEMICAL FAMILY: <b>PolySil 100</b>	PRODUCT NAME AND SYNONYMS <b>PolySil</b>	
PRODUCT USE <b>RTV Silicone Sealant</b>	FORMULA <b>Proprietary Mixture</b>	

## SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	%	PEL (ppm)			SKIN DESIGNATION	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LD50 OF INGREDIENT (SPECIFY SPECIES)
			TWA	STEL	CEILING			
Methyltriacetoxysilane	4253-34-3	1.0 - 5.0	10 ppm	15 ppm	N/A	N/A	Not Available	Not Avail
Ethyltriacetoxysilane	17689-77-9	1.0 - 5.0	10 ppm	15 ppm	N/A	N/A	Not Available	Not Available

## SECTION III - PHYSICAL DATA

PHYSICAL STATE <b>Paste</b>	ODOR AND APPEARANCE <b>Clear-Black-White-Gray &amp; Aluminum, acetic odor</b>	VOC (grams/liter) Less Water & Exempt Solvents <b>N/A</b>	ODOR THRESHOLD (ppm) <b>N/A</b>
VAPOR PRESSURE <b>N/A</b>	VAPOR DENSITY <b>N/A</b>	EVAPORATION RATE <b>N/A</b>	BOILING POINT (°C) <b>N/A</b>
PH <b>N/A</b>	SPECIFIC GRAVITY <b>1.03 @ 77° F</b>	COEFF. WATER/OIL DIST. <b>N/A</b>	SOLUBILITY IN WATER <b>Less than 0.1%</b>
			FREEZING POINT <b>N/A</b>
			VOLATILES BY WT. (%) <b>&lt;10</b>

## SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY <b>X</b>	IF YES UNDER WHICH CONDITIONS? <b>NO</b>		
FLASHPOINT (°C) AND METHOD <b>N/A</b>	AUTOIGNITION TEMPERATURE (°C) <b>Not determined</b>	LOWER FLAMMABLE LIMIT (% BY VOLUME) <b>Not applicable</b>	UPPER FLAMMABLE LIMIT (%BY VOLUME) <b>Not applicable</b>
HAZARDOUS COMBUSTION PRODUCTS <b>At very high temperatore decompose producing carbon oxides, formaldehyde and silicon dioxide</b>			
EXPLOSION DATA <b>N/A</b>	SENSITIVITY TO IMPACT <b>Not sensitive to impact</b>	SENSITIVITY TO STATIC DISCHARGE <b>Not sensitive to static discharge</b>	

NFPA CODE (REPRESENTATIVE OF THE MOST VOLATILE COMPONENTS IN THE SYSTEM)  
**Health - 1 Flammability - 1 Reactivity - 0, Protection 1**

EXTINGUISHING MEDIA  
**Water fog, Carbon Dioxide, 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 NAME: PolySil

**SECTION V - REACTIVITY DATA**

CHEMICAL STABILITY	UNSTABLE		HAZARDOUS	MAY OCCUR		CONDITIONS TO AVOID
	STABLE	X	POLYMERIZATION	WILL NOT OCCUR	X	
<small>INCOMPATIBILITY (Materials to avoid)</small> Oxidizing material can cause a reaction, air or moisture causes curing and the liberation of acetic acid vapors.						Exposure to air or moisture until ready to use.
<small>HAZARDOUS DECOMPOSITION PRODUCTS</small> Silicon Dioxide, carbon dioxide and traces of incompletely burned carbon products.						

**SECTION VI - TOXICOLOGICAL PROPERTIES**

<small>ROUTE OF ENTRY:</small> SKIN CONTACT [ ] SKIN ABSORPTION [ ] EYE CONTACT [ ] INHALATION [ ] INGESTION [ ]			
<small>EFFECTS OF ACUTE EXPOSURE TO PRODUCT</small> EYE: Direct contact irritates slightly to moderately 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. 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 nonhazardous. The above listed potential effects of overexposure are based on actual data, results of studies performed on 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.			
<small>EFFECTS OF CHRONIC EXPOSURE TO PRODUCT</small> See above			
<small>EXPOSURE LIMITS</small> None established	<small>IRRITANCY OF PRODUCT</small> Eye, nose, throat irritation a possibility	<small>SENSITIZATION TO PRODUCT</small> None known	<small>CARCINOGENICITY</small> Traces of formaldehyde may form if heated in air above 300F.
<small>TERATOGENICITY</small> No evidence	<small>REPRODUCTIVE TOXICITY</small> No evidence	<small>MUTAGENICITY</small> No evidence	<small>SYNERGISTIC PRODUCTS</small> None known

**SECTION VII - PREVENTATIVE MEASURES**

<small>PERSONAL PROTECTIVE EQUIPMENT</small>		
<small>GLOVES (SPECIFY)</small> Rubber or Plastic gloves are recommended.	<small>RESPIRATOR (SPECIFY)</small> Organic Vapor Type	<small>EYE (SPECIFY)</small> Follow good industrial practices by wearing safety glasses.
<small>FOOTWEAR (SPECIFY)</small> Follow good industrial practices.	<small>CLOTHING (SPECIFY)</small> Follow good industrial practices.	<small>OTHER (SPECIFY)</small> Good ventilation
<small>ENGINEERING CONTROLS (SPECIFY, E.G., VENTILATION, ENCLOSED PROCESS)</small> Local exhaust must be sufficient to control the vapor concentrations in enclosed areas. Ventilation must be capable of maintaining emissions at the point of use below the PEL and TLV guidelines.		
<small>LEAK OR SPILL PROCEDURE</small> All local, state and federal regulations concerning health and pollution should be reviewed to determine approved disposal procedures. Follow Preventative Measures for protective equipment. COMMENTS: Product contains no ingredient subject to D.O.T. or E.P.A CERCLA/SARA environmental release reporting regulations.		
<small>WASTE DISPOSAL</small> In accordance with Federal, State, and local regulations.		
<small>HANDLING PROCEDURES AND EQUIPMENT</small> Washing at mealtimes and end of shift is adequate. Remove clothing and shoes as soon as practical and clean thoroughly before		
<small>STORAGE REQUIREMENTS</small> Store in cool, dry place. Use reasonable care and caution. Keep container closed when not in use.		
<small>SPECIAL SHIPPING INFORMATION</small> Not subject to DOT regulations		

**SECTION VIII - FIRST AID MEAS**

<small>SPECIFIC MEASURES</small> <b>Eye Contact:</b> Flush with water for 15 minutes. Get medical attention. <b>Skin Contact:</b> Wipe off and flush with water. Get medical attention if irritation develops. <b>Inhalation:</b> Remove to fresh air, get medical attention if ill effects persist. <b>Ingestion:</b> No first aid should be needed.
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**SECTION IX - SARA Section 131 SUPPLIER NOTIFICATION**

CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT	CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT
4253-34-3	Methyltriacetoxysilane	1.0 - 5.0			
17689-77-9	Ethyltriacetoxysilane	1.0 - 5.0			

**SECTION X - PREPARATION INFORMATION**

<small>PREPARED BY (GROUP, DEPARTMENT, ETC.)</small> Research and Development	<small>PHONE NUMBER</small> (940) 328-9500	<small>DATE</small> 2/2/2008	<small>CHANGE NO.</small> 2	<small>SUPERSEDES ALL PREVIOUS PUBLICATIONS</small>
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