



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>Silicone elastomer</b>	PRODUCT NAME AND SYNONYMS <b>PolySil High-Temp</b>	
PRODUCT USE <b>PolySil High-Temp</b>	FORMULA <b>Proprietary</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			
Ethyltriacetoxysilane	17689-77-9	2	10 ppm	15 ppm	N/A	N/A	Not Available	Not Available
Methyltriacetoxysilane	4253-34-3	2	10 ppm	15 ppm	N/A	N/A	Not Available	Not Available
Amorphous Silica	7631-88-9	10mg/m	15ppm	N/A	N/A	N/A	N/A	N/A

## SECTION III - PHYSICAL DATA

PHYSICAL STATE <b>Paste</b>	ODOR AND APPEARANCE <b>Red paste with a acetic acid odor</b>	VOC (grams/liter) Less Water & Exempt Solvents <b>N/A</b>	ODOR THRESHOLD (ppm) <b>N/A</b>
VAPOR PRESSURE <b>Not established</b>	VAPOR DENSITY <b>Not established</b>	EVAPORATION RATE <b>N/A</b>	BOILING POINT (°C) <b>Not established</b>
PH <b>Not established</b>	SPECIFIC GRAVITY <b>1.03 at 77 F</b>	COEFF. WATER/OIL DIST. <b>N/A</b>	SOLUBILITY IN WATER <b>Less than 0.1</b>
			FREEZING POINT <b>Not established</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>Not applicable</b>	AUTOIGNITION TEMPERATURE (°C) <b>Not determined</b>
	LOWER FLAMMABLE LIMIT (% BY VOLUME) <b></b>
	UPPER FLAMMABLE LIMIT (%BY VOLUME) <b></b>

HAZARDOUS COMBUSTION PRODUCTS  
**At very high temperature decompose producing carbon oxides, formaldehyde and silicon dioxide.**

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>
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NFPA CODE (REPRESENTATIVE OF THE MOST VOLATILE COMPONENTS IN THE SYSTEM)  
**Health - 1, Flammability - 1, Reactivity - 0, Protection - 2**

EXTINGUISHING MEDIA  
**On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide, dry chemical or water spray.**

SPECIAL FIRE FIGHTING PROCEDURES  
**Wear a self-contained breathing apparatus with a full face piece (MSHA-NIOSH Approval) with a pressure demand or other positive pressure mode when fighting fires.**

UNUSUAL FIRE AND EXPLOSION HAZARDS  
**None**

PRODUCT NAME: PolySil High-Temp

**SECTION V - REACTIVITY DATA**

CHEMICAL STABILITY	UNSTABLE		HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	STABLE	X		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.						None
<small>HAZARDOUS DECOMPOSITION PRODUCTS</small> Fire or high heat conditions may evolve the following hazardous decomposition products: Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides.						

**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. SKIN: May cause moderate irritation. INHALATION: Vapor overexposure may irritate respiratory passages very slightly. ORAL: Low ingestion hazard in normal use.						
<small>EFFECTS OF CHRONIC EXPOSURE TO PRODUCT</small>  None known						
<small>EXPOSURE LIMITS</small> OSHA PEL 10 ppm of acetic acid		<small>IRRITANCY OF PRODUCT</small> Eye, nose, and throat irritation a possibility		<small>SENSITIZATION TO PRODUCT</small> Non evidence		<small>CARCINOGENICITY</small> No evidense
<small>TERATOGENICITY</small> No evidence		<small>REPRODUCTIVE TOXICITY</small> No evidence		<small>MUTAGENICITY</small> No evidence		<small>SYNERGISTIC PRODUCTS</small> Nonr knoen

**SECTION VII - PREVENTATIVE MEASURES**

<small>PERSONAL PROTECTIVE EQUIPMENT</small>		
<small>GLOVES (SPECIFY)</small> Nitrile	<small>RESPIRATOR (SPECIFY)</small> Orgain 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 ventittlation
<small>ENGINEERING CONTROLS (SPECIFY, E.G., VENTILATION, ENCLOSED PROCESS)</small> Local exhaust must be sufficient to control the concentration in the enclosed area. Ventilation must be capable of maintaining the emissions below the PEL level.		
<small>LEAK OR SPILL PROCEDURE</small> Wipe/scrape up and contain for salvage or disposal. Clean area as appropriate. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately. Local, state, and federal laws and regulations may apply to the disposal of this material, as well as those materials used during cleanup.		
<small>WASTE DISPOSAL</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.		
<small>HANDLING PROCEDURES AND EQUIPMENT</small> Use with adequate ventilation. Avoid eye and skin contact.		
<small>STORAGE REQUIREMENTS</small> Use reasonable care and store away from oxidizing material. Keep container closed and store away from water or moisture.		
<small>SPECIAL SHIPPING INFORMATION</small> Not subject to DOT regulation		

**SECTION VIII - FIRST AID MEAS**

<small>SPECIFIC MEASURES</small>  <b>Eye Contact:</b> Flush eyes with running water for 15 minutes, get medical attention.  <b>Skin Contact:</b> Remove contaminated clothing and wash thoroughly with a waterless hand cleaner or soap and water. If irritation occurs, get medical attention. Launder contaminated clothing before reuse.  <b>Inhalation:</b> Remove to fresh air and get medical attentin of 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
17689-77-9	Ethyltriacetoxysilane	2			
4253-34-3	Methyltriacetoxysilane	2			
7631-88-9	Amorphous Silica	10mg/m			

**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> 1	<small>SUPERSEDES ALL PREVIOUS PUBLICATIONS</small>
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