



# POLYMER ADHESIVES

## 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>Acrylic Emulsion</b>	PRODUCT NAME AND SYNONYMS <b>GlassTack 35</b>	
PRODUCT USE <b>Duct Insulation Adhesive</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			
Toluene	108-88-3	<2	100 ppm	150 ppm	300 ppm	Yes	Oral 636mg/kg[Rat] Acute	Dermal 14100mg/kg[Ra]
Crystalline silica (impurity)*	14808-60-7	<0.12	0.05 mg/m3	10 mg/m3	N/A	N/A		
*This product is not expected to produce any unusual hazards during normal use. Crystalline Silica does not present an inhalation, ingestion, or contact health hazard unless subjected to operations such as sawing, sanding or machining which result in the generation of airborne particulate. This product contains quartz (crystalline silica) as a naturally occurring contaminant.								

### SECTION III - PHYSICAL DATA

PHYSICAL STATE <b>Liquid</b>		ODOR AND APPEARANCE <b>White or Black, Latex Odor</b>		VOC (grams/liter) Less Water & Exempt Solvents <b>&lt; 37</b>	ODOR THRESHOLD (ppm) <b>N/A</b>
VAPOR PRESSURE <b>Not established</b>	VAPOR DENSITY <b>Not established</b>	EVAPORATION RATE <b>Less than 1</b>	BOILING POINT (°C) <b>100° C</b>		FREEZING POINT <b>0° C</b>
pH <b>NA</b>	SPECIFIC GRAVITY <b>1.45 - 1.15</b>	COEFF. WATER/OIL DIST. <b>Not available</b>	SOLUBILITY IN WATER <b>Soluble</b>		VOLATILES BY WT. (%) <b>&lt;52</b>

### SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY			
NO		IF YES UNDER WHICH CONDITIONS? <b>X</b>	
FLASHPOINT (°C) AND METHOD <b>Not established</b>	AUTOIGNITION TEMPERATURE (°C) <b>Not established</b>	LOWER FLAMMABLE LIMIT (% BY VOLUME) <b>Not applicable</b>	UPPER FLAMMABLE LIMIT (%BY VOLUME) <b>Not applicable</b>
HAZARDOUS COMBUSTION PRODUCTS <b>None</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 - 2 Flammability -0 Reactivity - 0 Protection -1**

EXTINGUISHING MEDIA  
**None needed in liquid state. In dry state use water, foam, carbon dioxide, or dry chemical**

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**

**SECTION V - REACTIVITY DATA**

CHEMICAL STABILITY	UNSTABLE		HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	STABLE	<b>X</b>		WILL NOT OCCUR	<b>X</b>	
INCOMPATIBILITY (Materials to avoid) Oxidizing agents or materials that react with water						Avoid sanding, blasting, sawing, machining or other activity that may generate air borne particulates
HAZARDOUS DECOMPOSITION PRODUCTS Carbon Oxides, Nitrogen Oxides, Aldehydes, Various other Hydrocarbons, Hydrogen Chloride Gas, Biuret, Ammonia						

**SECTION VI - TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY: SKIN CONTACT [ ] SKIN ABSORPTION [ ] EYE CONTACT [ ] INHALATION [ ] INGESTION [ ]						
EFFECTS OF ACUTE EXPOSURE TO PRODUCT No evidence						
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT No evidence						
EXPOSURE LIMITS	IRRITANCY OF PRODUCT		SENSITIZATION TO PRODUCT		CARCINOGENICITY	
See PEL	No evidence		None known		No evidence	
TERATOGENICITY	REPRODUCTIVE TOXICITY		MUTAGENICITY		SYNERGISTIC PRODUCTS	
No evidence	No evidence		No evidence		None known	

**SECTION VII - PREVENTATIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT		
GLOVES (SPECIFY)	RESPIRATOR (SPECIFY)	EYE (SPECIFY)
Impermeable Gloves	None required in well ventilated area	Follow good industrial practices by wearing safety glasses.
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY)	OTHER (SPECIFY)
Follow good industrial practices.	Follow good industrial practices.	N/A
ENGINEERING CONTROLS (SPECIFY, E.G., VENTILATION, ENCLOSED PROCESS)		
General good ventilation is recommended		
LEAK OR SPILL PROCEDURE		
In poor ventilation, a NIOSH approved respirator should be worn.		
WASTE DISPOSAL		
In accordance with Federal, State, and local regulations.		
HANDLING PROCEDURES AND EQUIPMENT		
Wash hands with soap and water before eating or drinking, launder contaminated clothing.		
STORAGE REQUIREMENTS		
Keep containers cool, dry, and away from heat. Store with adequate ventilation. Do not pressurize, cut, grind, or weld containers.		
SPECIAL SHIPPING INFORMATION		
Class 55, Item number 4620, Sub 5		

**SECTION VIII - FIRST AID MEASURES**

SPECIFIC MEASURES	
<b>Eye Contact:</b>	Flush eyes with running water for 15 minutes, get medical attention.
<b>Skin Contact:</b>	Flush skin with running water, wash with soap and water.
<b>Inhalation:</b>	Remove to well ventilated area.
<b>Ingestion:</b>	Do not induce vomiting. Get medical attention immediately.

**SECTION IX - SARA Section 313 SUPPLIER NOTIFICATION**

CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT	CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT
108-88-3	Toluene	<2			
14808-60-7	Crystalline silica (impurity)*	<0.12			

**SECTION X - PREPARATION INFORMATION**

PREPARED BY (GROUP, DEPARTMENT, ETC.)	PHONE NUMBER	DATE	CHANGE NO.	SUPERSEDES ALL PREVIOUS PUBLICATIONS
Research and Development	(940) 328-9500	2/23/2012	3	