

# 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>Solvent Based Adhesive</b>				PRODUCT NAME AND SYNONYMS <b>GlassTack 151</b>					
PRODUCT USE <b>Insulation Adhesive</b>				FORMULA <b>Proprietary</b>					
SECTION II - HAZARDOUS INGREDIENTS									
HAZARDOUS INGREDIENTS	CAS NUMBER	%	TWA	PEL (ppm) STEL	CEILING	SKIN DESIGNATION	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LD50 OF INGREDIENT (SPECIFY SPECIES)	
Hexane	110-54-3	<60	50 ppm	1000 ppm	Not Avail	Not Avail	9000 Lo (Rat)	N/A	
Toluene	108-88-3	<5	100 ppm	150 ppm	N/A	N/A	N/A	N/A	
SECTION III - PHYSICAL DATA									
PHYSICAL STATE <b>Liquid</b>		ODOR AND APPEARANCE <b>Clear, Red, and Black Liquid with Slight Solvent Odor</b>				VOC (grams/liter) Less Water & Exempt Solvents <b>500</b>		ODOR THRESHOLD (ppm) <b>N/A</b>	
VAPOR PRESSURE <b>140mmHg@ 68 F</b>	VAPOR DENSITY <b>N/A</b>	EVAPORATION RATE <b>8.1BuAc =1</b>		BOILING POINT (°C) <b>156°F</b>		FREEZING POINT <b>&lt;76 F</b>			
PH <b>N/A</b>	SPECIFIC GRAVITY <b>0.74 - 0.82</b>		COEFF. WATER/OIL DIST. <b>N/A</b>		SOLUBILITY IN WATER <b>Negligible</b>		VOLATILES BY WT. (%) <b>&lt;70</b>		
SECTION IV - FIRE AND EXPLOSION DATA									
FLAMMABILITY <b>X</b> NO IF YES UNDER WHICH CONDITIONS? <b>See LFL / UFL</b>									
FLASHPOINT (°C) AND METHOD <b>&lt;0</b>		AUTOIGNITION TEMPERATURE (°C) <b>511 F</b>			LOWER FLAMMABLE LIMIT (% BY VOLUME) <b>1.2</b>		UPPER FLAMMABLE LIMIT (%BY VOLUME) <b>7.5</b>		
HAZARDOUS COMBUSTION PRODUCTS <b>Carbon monoxide and carbon dioxide</b>									
EXPLOSION DATA <b>Highly Volatile</b>		SENSITIVITY TO IMPACT <b>Not sensitive to impact</b>				SENSITIVITY TO STATIC DISCHARGE <b>Avoid static discharge, ground when using</b>			
NFPA CODE (REPRESENTATIVE OF THE MOST VOLATILE COMPONENTS IN THESYSTEM) <b>Health - 2, Flammability - 3, Reactivity - 0, Protection - 2</b>									
EXTINGUISHING MEDIA <b>Regular foam, Carbon dioxide or dry chemical</b>									
SPECIAL FIRE FIGHTING PROCEDURES <b>Wear a self-contained breathing apparatus with a full face piece (MSHA-NIOSH Approval) in a pressure demand or other positive pressure mode when fighting fires.</b>									
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>Material is highly volatile and readily gives off vapors which are heavier than air and may travel along the ground or be moved by ventilation systems to be ignited by heat, open flames, pilot lights, sparks, cigarettes, static discharge, electric motors, or other ignition sources that are distant from the material handling point. Contents are under pressure and may explode if exposed to heat. Store below 120°F.</b>									

**SECTION V - REACTIVITY DATA**

CHEMICAL STABILITY	UNSTABLE		HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	STABLE	X		WILL NOT OCCUR	X	
INCOMPATIBILITY (Materials to avoid)						N/A
Strong oxidizing agents						
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide & carbon dioxide						

**SECTION VI - TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY: SKIN CONTACT [ ] SKIN ABSORPTION [ ] EYE CONTACT [ ] INHALATION [ ] INGESTION [ ]						
EFFECTS OF ACUTE EXPOSURE TO PRODUCT  Headache, nausea, dizziness, tingling, dry cracking skin						
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT Over exposure may cause irreversible damage to the peripheral nervous system						
EXPOSURE LIMITS	IRRITANCY OF PRODUCT		SENSITIZATION TO PRODUCT		CARCINOGENICITY	
See PEL	May cause temporary itching		Unlikely with good, clean measures		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) Nitrile	RESPIRATOR (SPECIFY) Maintain adequate ventilation or use a NIOSH approved respirator for organic vapors.	EYE (SPECIFY) Wear safety glasses
FOOTWEAR (SPECIFY) Appropriate chemical resistant footwear.	CLOTHING (SPECIFY) Follow good industrial practices (clean clothing)	OTHER (SPECIFY) N/A
ENGINEERING CONTROLS (SPECIFY, E.G., VENTILATION, ENCLOSED PROCESS) Controlling airborne concentrations below the ACGIH exposure guidelines or use a NIOSH approved respiratory for organic vapors.		
LEAK OR SPILL PROCEDURE SMALL SPILLS: Absorb on wicking medium (Chemsorb or other absorbent) and allow to evaporate. LARGE SPILLS: Eliminate all ignition sources. All unprotected personnel to leave area. Stop spill at source and dike area to prevent spreading. Pump liquid into salvage tank. Clean up with absorbent. IN EITHER CASE: Dispose of according to local laws.		
WASTE DISPOSAL Destroy liquid by incineration. Solid material may be land filled in accordance with Local, State, and Federal regulations.		
HANDLING PROCEDURES AND EQUIPMENT Keep away from flame, sparks, or other sources of ignition.		
STORAGE REQUIREMENTS Store below 120°. Keep containers cool, dry, and away from heat. Store with adequate ventilation. Do not pressurize, cut, or grind		
SPECIAL SHIPPING INFORMATION Class 3 Flammable UN1133		

**SECTION VIII - FIRST AID MEASURES**

SPECIFIC MEASURES	
<p><b>Eye Contact:</b> Flush with large amounts of water or saline solution for 15 minutes, making sure to rinse under eyelids. Get prompt medical attention, especially if irritation persists or if there is evidence of burn or vision difficulty.</p> <p><b>Skin Contact:</b> Remove contaminated clothing and wash thoroughly with a waterless hand cleaner and then soap and water. If irritation occurs, get medical attention. Launder contaminated clothing before reuse.</p> <p><b>Inhalation:</b> Move affected person to fresh air. Administer oxygen if breathing is difficult or artificial respiration if breathing has stopped. Keep person warm and quiet and get immediate medical attention.</p> <p><b>Ingestion:</b> Do not induce vomiting. Keep person warm and quiet. Get immediate medical attention. Aspiration in the lungs due to vomiting can cause chemical pneumonitis which can be harmful or fatal.</p>	

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

CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT	CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT
110-54-3	Hexane	<60			
108-88-3	Toluene	<5			

**SECTION X - PREPARATION INFORMATION**

PREPARED BY (GROUP, DEPARTMENT, ETC.) Research and Development	PHONE NUMBER (940) 328-9500	DATE 2/8/2011	CHANGE NO. 3	SUPERSEDES ALL PREVIOUS PUBLICATIONS
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