



Polymer Adhesives

Sealant Systems, Inc.

MATERIAL SAFETY DATA SHEET

SECTION I

DISTRIBUTOR OR MANUFACTURER:		EMERGENCY TELEPHONE NO.
Polymer Adhesives Sealant Systems, Inc.		CHEMTREC
ADDRESS (Number, Street, City, State and ZIP Code)		(800) 424-9300
501 Garrett Morris Parkway Mineral Wells, TX 76067		
CHEMICAL FAMILY:	PRODUCT NAME AND SYNONYMS	
Solvent Based Adhesive	GlassTack 151	
PRODUCT USE	FORMULA	
Insulation Adhesive	Proprietary	

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			
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		ODOR AND APPEARANCE		VOC* (grams/liter) Less Water & Exempt Solvents	ODOR THRESHOLD (ppm)
Liquid		Clear, Red, and Black Liquid with Slight Solvent Odor		500	N/A
VAPOR PRESSURE	VAPOR DENSITY	EVAPORATION RATE	BOILING POINT (°C)		FREEZING POINT
140mmHg@ 68 F	N/A	8.1BuAc =1	156°F		<76 F
pH	SPECIFIC GRAVITY	COEFF. WATER/OIL DIST.	SOLUBILITY IN WATER		VOLATILES BY WT. (%)
N/A	0.74 - 0.82	N/A	Negligible		<70

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY	IF YES UNDER WHICH CONDITIONS?		See LFL / UFL	
X	NO			
FLASHPOINT (°C) AND METHOD	AUTOIGNITION TEMPERATURE (°C)		LOWER FLAMMABLE LIMIT (% BY VOLUME)	UPPER FLAMMABLE LIMIT (%BY VOLUME)
<0	511 F		1.2	7.5

HAZARDOUS COMBUSTION PRODUCTS

Carbon monoxide and carbon dioxide

EXPLOSION DATA	SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE
Highly Volatile	Not sensitive to impact	Avoid static discharge, ground when using

NFPA CODE (REPRESENTATIVE OF THE MOST VOLATILE COMPONENTS IN THE SYSTEM)

Health - 2, Flammability - 3, Reactivity - 0, Protection - 2

EXTINGUISHING MEDIA

Regular foam, Carbon dioxide or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS

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.

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)	RESPIRATOR (SPECIFY)	EYE (SPECIFY)
Nitrile	Maintain adequate ventilation or use a NIOSH approved respirator for organic vapors.	Wear safety glasses
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY)	OTHER (SPECIFY)
Appropriate chemical resistant footwear.	Follow good industrial practices (clean clothing)	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 MEAS

SPECIFIC MEASURES	
<p>Eye Contact: 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>Skin Contact: 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>Inhalation: 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>Ingestion: 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 131 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.)	PHONE NUMBER	DATE	CHANGE NO.	SUPERSEDES ALL PREVIOUS PUBLICATIONS
Research and Development	(940) 328-9500	2/2/2008	3	