



Polymer Adhesives

Sealant Systems, Inc.

MATERIAL SAFETY DATA SHEET

SECTION I

DISTRIBUTOR OR MANUFACTURER: Polymer Adhesives Sealant Systems, Inc.		EMERGENCY TELEPHONE NO. CHEMTREC (800) 424-9300
ADDRESS (Number, Street, City, State and ZIP Code) 501 Garrett Morris Parkway Mineral Wells, TX 76067		
CHEMICAL FAMILY: Solvent Based Adhesive	PRODUCT NAME AND SYNONYMS 353 GlassTack Adhesive	
PRODUCT USE Adhesive	FORMULA 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			
Acetone	67-64-1	<35	750 ppm	1000 ppm	N/A	N/A	N/A	N/A
Methyl Acetate	79-20-9	>15	200 ppm	250 ppm	N/A	N/A	6970 mg/kg rat oral	N/A
Toluene	108-88-3	>10	100 ppm	150 ppm	N/A	N/A	N/A	N/A

SECTION III - PHYSICAL DATA

PHYSICAL STATE Liquid	ODOR AND APPEARANCE Red or clear liquid with slight solvent odor	VOC (grams/liter) Less Water & Exempt Solvents 80	ODOR THRESHOLD (ppm) N/A
VAPOR PRESSURE 38 mm/Hg at 68 F	VAPOR DENSITY N/A	EVAPORATION RATE 1.5 BuAc = 1	BOILING POINT (°C) 231 F
PH N/A	SPECIFIC GRAVITY 0.87 - 0.93	COEFF. WATER/OIL DIST. N/A	SOLUBILITY IN WATER Negligible
			FREEZING POINT <76 F
			VOLATILES BY WT. (%) >60

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY X	IF YES UNDER WHICH CONDITIONS? See LFL / UF
FLASHPOINT (°C) AND METHOD 45 F	AUTOIGNITION TEMPERATURE (°C) 1026 F
	LOWER FLAMMABLE LIMIT (% BY VOLUME) 1.2
	UPPER FLAMMABLE LIMIT (%BY VOLUME) 7

HAZARDOUS COMBUSTION PRODUCTS
Carbon monoxide and carbon dioxide

EXPLOSION DATA Highly Volatile	SENSITIVITY TO IMPACT Not sensitive to impact	SENSITIVITY TO STATIC DISCHARGE Avoid static discharge, ground when using
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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) with 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 that are heavier than air and may travel to a distant ignition source. Avoid open flames, pilot lights, sparks, cigarettes, static discharge, electric motors, or other ignition sources in the material handling area. Containers may explode if exposed to high temperatures. Store below 115° 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 and 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 (50 ppm)	May cause temporary itching or hives.		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	Atmospheric levels should be maintained below exposure guidelines or use NIOSH approved respirators.	Wear safety glasses
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY)	OTHER (SPECIFY)
Appropriate chemical resistant footwear.	Follow good industrial practices	N/A
ENGINEERING CONTROLS (SPECIFY, E.G., VENTILATION, ENCLOSED PROCESS)		
Controlling airborne concentrations below the ACGIH exposure guidelines is required or use NOSH approved respiratory		
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 by incineration after drying. 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 115°F		
SPECIAL SHIPPING INFORMATION		
Class 3 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
67-64-1	Acetone	<35			
79-20-9	Methyl Acetate	>15			
108-88-3	Toluene	>10			

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	1	