



# 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>Airseal #11</b>	
PRODUCT USE <b>Duct Sealant / Mastic</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			
Methyl Alcohol	67-56-1	< 1.4	50 ppm	250 ppm	50 ppm	Yes	Oral [Rat] 5628mg/kg	Dermal [Rabbit] 15840 mg/kg
Ammonium Hydroxide	1336-21-6	< 0.6	25 ppm	50 ppm	N/A	Yes	Oral [Rat] 350 mg/kg	
Crystalline silica (impurity)*	14808-60-7	< 2.4	0.05 mg/m3	10 mg/m3	N/A	N/A		
*This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may irritate the skin, eyes, nose, throat, or upper respiratory tract. This product 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>Paste</b>	ODOR AND APPEARANCE <b>White or gray with slight ammonia 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>
pH <b>8.0 - 9.5</b>	SPECIFIC GRAVITY <b>1.3 - 1.5</b>	COEFF. WATER/OIL DIST. <b>Not available</b>	SOLUBILITY IN WATER <b>Soluble</b>
			FREEZING POINT <b>0° C</b>
			VOLATILES BY WT. (%) <b>29.8 +/- 2%</b>

### SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY NO <input checked="" type="checkbox"/> IF YES UNDER WHICH CONDITIONS?	FLASHPOINT (°C) AND METHOD <b>N/A</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 - 1 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)						Avoid sanding, blasting, sawing, machining or other activity that may generate air borne particulates
Oxidizing agents or materials that react with water						
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 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 confined space, 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 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
67-56-1	Methyl Alcohol	< 1.4			
1336-21-6	Ammonium Hydroxide	< 0.6			
14808-60-7	Crystalline silica (impurity)*	< 2.4			

**SECTION X - PREPARATION INFORMATION**

PREPARED BY (GROUP, DEPARTMENT, ETC.)	PHONE NUMBER	DATE	CHANGE NO.	SUPERSEDES ALL PREVIOUS PUBLICATIONS
Research and Development	(940) 328-9500	2/28/2012	8	