

## MATERIAL SAFETY DATA SHEET

SECTION I										
DISTRIBUTOR OR MANUFACTURER: <b>Polymer Adhesives.</b>						EMERGENCY TELEPHONE NO. <b>CHEMTREC (800) 424-3900</b>				
ADDRESS (Number, Street, City, State and ZIP Code) <b>501 Garrett Morris Parkway Mineral Wells, TX 76067</b>										
CHEMICAL FAMILY: <b>SolventBased Adhesive / Sealant</b>				PRODUCT NAME AND SYNONYMS <b>Airseal Zero</b>						
PRODUCT USE <b>Adhesive / Sealant</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)		
Acetone	67-64-1	>35	750 ppm	1000 ppm	N/A	N/A	N/A	N/A		
SECTION III - PHYSICAL DATA										
PHYSICAL STATE <b>Paste</b>		ODOR AND APPEARANCE <b>Brown color with a slight solvent odor</b>				VOC (grams/liter) Less Water & Exempt Solvents <b>0 (Reportable)</b>		ODOR THRESHOLD (ppm) <b>N/A</b>		
VAPOR PRESSURE <b>140 mm/Hg (approx)</b>	VAPOR DENSITY <b>&lt;0</b>	EVAPORATION RATE <b>8.1 BuAc = 1</b>		BOILING POINT (°C) <b>156° F</b>		FREEZING POINT <b>&lt;76 F</b>				
PH <b>N/A</b>		SPECIFIC GRAVITY <b>1.05 - 1.10</b>		COEFF. WATER/OIL DIST. <b>N/A</b>		SOLUBILITY IN WATER <b>Negligible</b>		VOLATILES BY WT. (%) <b>&gt;35</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>Not established</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, 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 THE SYSTEM) <b>Health - 2, Flammability - 3, Reactivity - 0, Protection - 2</b>										
EXTINGUISHING MEDIA <b>Regular foam, Carbon dioxide, 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 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.</b>										

PRODUCT NAME: Airseal Zero

### SECTION V - REACTIVITY DATA

CHEMICAL STABILITY	UNSTABLE		HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	STABLE	X		WILL NOT OCCUR	X	
INCOMPATIBILITY (Materials to avoid)						Hydrolysis producing small amounts of hydrochloric acid possible w/gross water contamination. Avoid open flames, welding arcs, or other high temperature sources which induce thermal decomposition.
HAZARDOUS DECOMPOSITION PRODUCTS Open flames and welding arcs can cause thermal degradation with the evolution of hydrocarbon chemicals.						

### SECTION VI - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN CONTACT [ ] SKIN ABSORPTION [ ] EYE CONTACT [ ] INHALATION [ ] INGESTION [ ]			
EFFECTS OF ACUTE EXPOSURE TO PRODUCT Eye: May cause pain, moderate eye irritation and slight corneal injury. Vapors may irritate eye. Skin Absorption: A single prolonged exposure is not likely to result in the material being absorbed in harmful amounts. Prolonged exposure may cause a skin irritation, even a burn. Repeated contact may cause drying or flaking of the skin. May cause more serious response if confined. Extensive contact such as immersion may cause an intense burning sensation followed by a cold numb feeling. Ingestion: Single dose oral toxicity is low. The aspirated liquid may be rapidly absorbed through the lungs and result in injury to other bodily systems. If confined or in poorly ventilated areas, vapors can rapidly accumulate and can cause unconsciousness and death. Minimal anesthetic or narcotic effects may be seen in the range of 500-10,000 PPM can cause unconsciousness, death, irregular heartbeat, irritation to the upper respiratory tract, carbophoglycemia, impairing the bloods ability to transport oxygen. Overexposure may cause irreversible damage to the peripheral nervous systems.			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT			
EXPOSURE LIMITS See PEL	IRRITANCY OF PRODUCT May cause temporary itching to skin	SENSITIZATION TO PRODUCT None known	CARCINOGENICITY Believed to be no risk to man
TERATOGENICITY No evidence	REPRODUCTIVE TOXICITY Unlikely	MUTAGENICITY Negative	SYNERGISTIC PRODUCTS None Known

### SECTION VII - PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT		
GLOVES (SPECIFY) Nitrile	RESPIRATOR (SPECIFY) Atmospheric levels should be maintained below exposure guidelines or use NIOSH approved respirator.	EYE (SPECIFY) Wear safety glasses
FOOTWEAR (SPECIFY) Appropriate chemical resistant footwear.	CLOTHING (SPECIFY) Follow good industrial practice (clean clothing)	OTHER (SPECIFY) N/A
ENGINEERING CONTROLS (SPECIFY, E.G., VENTILATION, ENCLOSED PROCESS) Controlling airborne concentrations below the ACGIH exposure guidelines is recommended. Use only with adequate ventilation.		
LEAK OR SPILL PROCEDURE SMALL SPILLS: Protection from ignition. Scope of material up immediately. Remove to out of doors. LARGE SPILLS: Evacuate area transfer to closed metal containers. Keep out of water supply.		
WASTE DISPOSAL When disposing of the unused contents, the preferred options are to send to licensed reclaimers or to permitted incinerators. Any disposal practice must be in compliance with Federal, State, and Local regulations. DO NOT DUMP: sewers, ground, any body of		
HANDLING PROCEDURES AND EQUIPMENT Open containers slowly to release any pressure in drum.		
STORAGE REQUIREMENTS Store below 115°F		
SPECIAL SHIPPING INFORMATION Class 3 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
67-64-1	Acetone	>35			

### SECTION X - PREPARATION INFORMATION

PREPARED BY (GROUP, DEPARTMENT, ETC.) Research and Development	PHONE NUMBER (940) 328-9500	DATE 2/17/2009	CHANGE NO. 3	SUPERSEDES ALL PREVIOUS PUBLICATIONS
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