

MATERIAL SAFETY DATA SHEET

Section 1 – Product and Company Identification					
<u>Company Identification</u> ADHESIVES TECHNOLOGY CORP. 450 East Copans Road Pompano Beach, FL 33064			<u>Emergency Phone</u> (800) 255 – 3924 (24 hours) CHEM-TEL <u>Contact Phone</u> (800) 892 – 1880 (9:00 a.m. – 5:00 p.m. EST)		
Effective Date: 07/24/08		Print Date: 07/24/08		MSDS #: UBCA	
Product Name: Ultrabond Glass Capsule Anchor			Prepared By: Richard Boland (x107)		
Section 2 – Composition/Information on Ingredients					
Part A: Hazardous Component	CAS #	% By Weight	PEL	TLV	STEL
Styrene	100-42-5	< 50%	426 mg/m ³	85 mg/m ³	NE
Cobalt Compounds	Mixture	< 1%	0.1 mg/m ³	0.02 mg/m ³	NE
Remaining ingredients proprietary	-	> 49%	NE	NE	NE
Part B: Hazardous Component	CAS #	% By Weight	PEL	TLV	STEL
Benzoyl Peroxide	94-36-0	< 35%	5 mg/m ³	5 mg/m ³	5 mg/m ³
Remaining ingredients proprietary	-	> 65%	NE	NE	NE
Section 3 – Hazards Identification					
Known Hazards: Part A: Skin and eye irritation. Flammable, sensitizer; Part B: Skin and eye irritation. Sensitizer					
Signs and Symptoms of Exposure: Part A: Eyes: Irritation. Corneal injury is not expected. Skin: Irritation. Can cause allergic skin reactions in susceptible individuals, e.g. itching, redness, swelling, etc. Inhalation: No ill effects expected. Heated vapors can cause irritation. Part B: Eyes: Irritation. Possible eye burns. Skin: Can cause irritation and skin burns. Inhalation: No ill effects expected. Heated vapors can cause irritation.					
Medical Conditions Aggravated by Exposure: Skin, eye, and respiratory conditions					
Routes of Exposure: Inhalation. Ingestion. Skin contact. Eye contact					
Carcinogenicity: <u>Styrene:</u> Classified A4 (not classified for human or animal) by ACGIH. Classified 2B (possible for human) by IARC. An increased incidents of lung tumors was observed in mice from a recent inhalation study. The relevance of this finding is uncertain since data from other long-term animal studies and from epidemiology studies of workers exposed to styrene do not provide a basis to conclude that styrene is carcinogenic. Lung effects have been found in mice studies following repeated exposure.					
<u>Cobalt Compounds:</u> Classified A3 (proven for animal) by ACGIH. Classified 2B (possible for human) by IARC.					
Mutagenic Effects: Not Available Teratogenic Effects: Not Available					
Section 4 – First Aid Measures					
Inhalation: Move to fresh air; give oxygen if breathing is difficult. Call a physician if symptoms persist.					
Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if symptoms persist.					
Skin: Wash with mild soap and water. Launder contaminated clothing before reuse.					
Ingestion: If conscious, give plenty of water; do not induce vomiting unless directed by a physician. Call a physician.					
Other: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If Sensitization occurs, future contact with the material should be avoided.					
Section 5 – Fire & Explosion Data: This product is a Class IC Flammable Liquid					
Flash Point: Part A: 87.6° F. Part B: > 184° F		Flammable Limits: By volume %: Lower limit: 0.9; Upper limit: 6.8			
Extinguisher Media: Evacuate surrounding areas; Use Carbon Dioxide, Dry Chemical, Water Spray, Foam					
Special Fire Fighting Procedures: Use a self-contained breathing apparatus when fighting fires involving chemicals.					
Fire and Explosion Hazards: Flammable in the presence of open flames, sparks, or heat. Can react with oxidizing material. Explosive in the form of vapor when exposed to heat or flame. May polymerize when container is exposed to heat (fire) and polymerization will increase pressure in closed container which may cause container to rupture violently.					
Section 6 – Accidental Release Measures					
Avoid all personal contact, scoop up with spade and place in disposable metal container. Flush contaminated areas.					
Section 7 – Handling and Storage					
Avoid contact with eyes, skin and clothing. Avoid prolonged inhalation of vapors. Use with adequate ventilation. Wash thoroughly after handling. Store in a cool dry place out of direct rays of the sun. Keep from freezing. Recommended storage temperature range in between 40° and 95° F.					
Section 8 – Exposure Control/Personal Protection					

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Respiratory Protection: None normally required. Use a NIOSH –approved organic vapor chemical cartridge Respirator when air movement is inadequate to control vapor build-up.					
Ventilation: General (natural or mechanical induced fresh air movements)					
Eye Protection: Wear splash proof chemical goggles					
Protective Gloves: Cloth or impermeable (neoprene or rubber) gloves					
Other Protective Clothing or Equipment: Wear appropriate apparel to prevent skin contact					
Section 9 – Physical and Chemical Properties					
Appearance: Part A: Grey Paste; Part B: White Paste			Specific Gravity (g/cc): Part A: 1.4; Part B: 1.2		
Odor: Part A: Aromatic Odor; Part B: Slight ester Odor			pH: N/A	Boiling Point: N/E	
Vapor Density: Styrene; 3.59 (Air = 1)		Vapor Pressure: Styrene: 4.5 mm Hg		VOC Content: 2.12 g/l (when mixed)	
Solubility in Water: Slight			Evaporation Rate: Not Available		
Section 10 – Stability and Reactivity					
Hazardous Polymerization: May occur at elevated temperatures					
Stability: Stable (can become unstable at elevated temperatures)					
Incompatibility: Polymerizes in the presence of organic peroxides, oxidizing materials, or heat.					
Hazardous Decomposition Products: Thermal decomposition can yield CO, CO ₂ and organic Nitrogen compounds.					
Conditions to Avoid: Heat, elevated temperatures; Excessive heat and storage above 95° F will shorten shelf life					
Section 11 – Toxicological Information					
For detailed toxicological information on the components of this material, contact the address listed in Section 1.					
Section 12 – Disposal Considerations					
If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.					
Section 13 – Transport Information					
DOT Shipping Information: CARTRIDGE: Consumer commodity, ORM-D BULK: Resin Solution, Flammable, 3, UN 1866, PG II					
IATA/ICAO Shipping name: CARTRIDGE: Resin Solution, Flammable, 3, UN 1866, PG II, Ltd Qty BULK: Resin Solution, Flammable, 3, UN 1866, PG II					
Section 14 – Regulatory Information					
Hazard Communication: This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.					
EPA Waste Code(s): Not regulated by EPA as a hazardous waste					
SARA Title III, Section 313: This product contains the following chemical(s) which are subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.					
<u>Chemical Name</u>		<u>CAS Number</u>		<u>Percent</u>	
Styrene		100-42-5		< 50	
Cobalt Compounds		Mixture		< 1	
Benzoyl Peroxide		94-36-0		< 35	
Proposition 65 Warning: This product contains chemical(s) known to the state of California to Cancer, birth defects and/or reproductive harm.					
HMIS Rating	Part A	Part B	NFPA Hazard Rating	Part A	Part B
Health	2	1	Health	2	1
Flammability	3	2	Flammability	3	1
Reactivity	1	1	Reactivity	1	1
PPE	X	B			
TSCA Inventory Status: Chemical components listed on TSCA inventory					
Abbreviations: PEL = OSHA Permissible Exposure Limit; TLV = ACGIH Threshold Limit Value; C = Ceiling; STEL = Short Term Exposure Limit; NE = None Established; NA = Not Applicable. ND = Not Determined; ppm = parts per million					
To the best of our knowledge, the information contained herein is accurate. However, Adhesives Technology Corp. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.					