

## MATERIAL SAFETY DATA SHEET

<b>Section 1 – Product and Company Identification</b>					
<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: 01/10/2011		Print Date: 01/10/2011		MSDS #: UB4CC	
<b>Product Name:</b> Ultrabond 4CC			<b>Prepared By:</b> Richard Boland (x107)		
<b>Section 2 – Composition/Information on Ingredients</b>					
<b>Part A: Hazardous Component</b>	CAS #	% By Weight	PEL	TLV	STEL
Bisphenol A Epoxy Resin	25085-38-6	> 50%	NE	NE	NE
Non Hazardous proprietary ingredients	Trade Secret	0% – 50%	NE	NE	NE
<b>Part B: Hazardous Component</b>	CAS #	% By Weight	PEL	TLV	STEL
Proprietary Amine Blend	Trade Secret	Trade Secret	NE	NE	NE
<b>Section 3 – Hazards Identification</b>					
<b>Known Hazards:</b> <b>Part A:</b> Skin and eye irritation. Sensitizer; <b>Part B:</b> Corrosive, skin and eye irritation; sensitizer					
<b>Medical Conditions Aggravated by Exposure:</b> Skin, eye, and respiratory conditions					
<b>Routes of Exposure:</b> Inhalation. Ingestion. Skin contact. Eye contact..					
<b>Signs and Symptoms of Exposure:</b> <i>Eyes:</i> Causes eye burns. Risk of corneal damage. Contact may cause irritation, redness, tearing, blurred vision and/or burns. <i>Skin:</i> Causes skin burns. Harmful if absorbed through the skin. May cause sensitization by skin contact. Contact may cause irritation, redness and/or drying. <i>Inhalation:</i> Harmful if inhaled. Causes severe respiratory tract irritation. Vapors irritate the respiratory system, and may cause coughing and difficulties in breathing. <i>Ingestion:</i> Harmful if swallowed. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.					
<b>Carcinogenicity:</b> Contains a component that is listed as an IARC 1 (Known Human Carcinogen), a NTP Known Carcinogen and ACGIH A2 (Suspected Human Carcinogen). Overexposure can cause lung damage-pulmonary toxin.					
<b>Section 4 – First Aid Measures</b>					
<b>Inhalation:</b> Move to fresh air. If breathing is difficult, give oxygen. Get medical attention.					
<b>Ingestion:</b> Rinse mouth thoroughly. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.					
<b>Eyes:</b> Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.					
<b>Skin:</b> Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.					
<b>Physician:</b> Keep victim under observation. In case of shortness of breath, give oxygen. Symptoms may be delayed.					
<b>Other:</b> 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. Take off contaminated clothing and shoes immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.					
<b>Section 5 – Fire Fighting Measures</b>					
<b>Flash Point:</b> <b>Part A:</b> > 212° F. <b>Part B:</b> > 212° F			<b>Flammable Limits:</b> N/A		
<b>Extinguisher Media:</b> Carbon Dioxide, Dry Chemical, Water Spray, Foam					
<b>Special Fire Fighting Procedures:</b> Use a self-contained breathing apparatus when fighting fires involving chemicals.					
<b>Unusual fire and Explosion Hazards:</b> None known. Thermal decomposition products can be formed.					
<b>Section 6 – Accidental Release Measures</b>					
Avoid all personal contact, scoop up with spade and place in disposable metal container. Flush contaminated areas. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained.					
<b>Section 7 – Handling and Storage</b>					

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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.					
<b>Section 8 – Exposure Control/Personal Protection</b>					
<b>Respiratory Protection:</b> None normally required. Use a NIOSH –approved organic vapor chemical cartridge Respirator when air movement is inadequate to control vapor build-up.					
<b>Ventilation:</b> General (natural or mechanical induced fresh air movements)					
<b>Eye Protection:</b> Wear splash proof chemical goggles					
<b>Protective Gloves:</b> Cloth or impermeable (neoprene or rubber) gloves					
<b>Other Protective Clothing or Equipment:</b> Wear appropriate apparel to prevent skin contact					
<b>Section 9 – Physical and Chemical Properties</b>					
<b>Appearance:</b> Part A: Beige Paste; Part B: Grey Paste			<b>Specific Gravity (g/cc):</b> Part A: 1.2; Part B: 1.7		
<b>Odor:</b> Part A: Slight Odor; Part B: Slight Amine Odor			<b>pH:</b> N/D	<b>Boiling Point:</b> > 212°F	
<b>Vapor Density:</b> Non-volatile		<b>Vapor Pressure:</b> N/A		<b>VOC Content:</b> 0 g/l	
<b>Solubility in Water:</b> Insoluble			<b>Evaporation Rate:</b> Not Available		
<b>Section 10 – Stability and Reactivity</b>					
<b>Hazardous Polymerization:</b> Will not occur			<b>Stability:</b> Stable		
<b>Incompatibility:</b> Strong acids, peroxides, and other oxidizing agents					
<b>Hazardous Decomposition Products:</b> Carbon oxides; Nitrogen oxides; Silicon oxides; Hydrogen Chloride					
<b>Conditions to Avoid:</b> Exposure to excessive heat and storage above 95° F will shorten shelf life					
<b>Section 11 – Toxicological Information</b>					
For detailed toxicological information on the components of this material, contact the address listed in Section 1.					
<b>Section 12 – Disposal Considerations</b>					
If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.					
<b>Section 13 – Transport Information</b>					
<b>DOT Shipping Information:</b> Consumer commodity, ORM-D					
<b>IATA Shipping name:</b> Amines, liquid, Corrosive, n.o.s., Class 8, UN 2735, PG III					
<b>IMDG Shipping name:</b> Amines, liquid, Corrosive, n.o.s., Class 8, UN 2735, PG III, LTD QTY					
<b>Section 14 – Regulatory Information</b>					
<b>Hazard Communication:</b> This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.					
<b>EPA Waste Code(s):</b> Not regulated by EPA as a hazardous waste					
<b>SARA Title III, Section 313:</b> This product contains no chemicals which are subject to reporting under Section 313 of SARA Title III					
<b>HMIS Rating</b>	<b>Part A</b>	<b>Part B</b>	<b>NFPA Hazard Rating</b>	<b>Part A</b>	<b>Part B</b>
<b>Health</b>	2	3	<b>Health</b>	2	3
<b>Flammability</b>	1	1	<b>Flammability</b>	1	1
<b>Reactivity</b>	0	0	<b>Reactivity</b>	0	0
<b>PPE</b>	B	B			
<b>TSCA Inventory Status:</b> Chemical components listed on TSCA inventory					
<b>Abbreviations:</b> 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.					