

## MATERIAL/CHEMICAL SAFETY DATA SHEET

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

#### Product Details

Product Name: M-Bond 610 Adhesive

Allied Item No.: 71-20000

Chemical Name: 2-Part Adhesive

#### Company Identification

Allied High Tech Products, Inc.  
2376 East Pacifica Place  
Rancho Dominguez, CA 90220  
(310) 635-2466

#### Contact Point

Transportation for United States  
Chemtrec (800) 424-9300 \* (202) 483-7616

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Exposure Limits in Air		Carcin. Y/N
		ACGIH TLV or TWA	OSHA PEL	
Tetrahydrofuran 58-64%	109-99-9	200 ppm	200 ppm	N
Epoxy Novolac 26.7-30.3%	28064-14-4	NE	NE	N
Methyl Ethyl Ketone 5.3-8.9%	78-93-3	200 ppm	200 ppm	N

Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.

#### HMIS Ratings

Health: 3  
Flammability: 3  
Reactivity: 0

### SECTION 3: HAZARDS IDENTIFICATION

Primary Route of Entry: Inhalation, skin and accidental ingestion.

Health Hazards: Chronic over-exposure may result in kidney and/or liver damage.

### SECTION 4: FIRST AID MEASURES

	Potential Health Effects	First Aid/ Medical Info.
Eye Contact:	May cause severe irritation or burns. May cause pain on contact. Vapors may irritate eyes.	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open.
Skin Contact:	May cause severe irritation or burns. Absorption into the skin may cause dermatitis. Repeated contact may cause drying or flaking of skin. May rarely cause an allergic skin reaction.	Immediately flush skin with plenty of water. Remove contaminated clothing.
Inhalation:	Excessive exposure to solvents may cause respiratory irritation and central nervous system depression. Excessive exposure symptoms are headache, dizziness, nausea, vomiting, drowsiness and incoordination.	Remove to fresh air. If breathing difficult, give oxygen.
Ingestion:	May cause cause headache, nausea, vomiting, dizziness and gastrointestinal irritation.	Seek medical attention immediately. Do NOT induce vomiting unless directed to do so by a physician. If conscious, give large amounts of water.

Note:

### SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Alcohol foam, carbon dioxide, or dry chemical.

Fire Fighting Instruction: Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece.

Special Hazards: Remove containers from fire area if possible. Vapors may flow along surfaces to distant ignition source and flash back. Closed containers exposed to heat may explode. Contact with strong oxidizers may cause fire. May form explosive peroxides, especially when heated.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Keep unnecessary people away; isolate hazard area. Wear self-contained breathing apparatus and full protective clothing. Shut off ignition sources; no flares; smoking or flames in area. Stop all leaks. Contain with absorbent material such as clay, soil or any commercially available absorbent. Prevent runoff from entering storm drains, surface waters and soil. Use water spray to reduce vapors. Transfer contaminated absorbent, soil and other materials into recovery or salvage drums for disposal. Flush area with water.

SECTION 7: HANDLING & STORAGE	SECTION 12: ECOLOGICAL INFORMATION		
<p><b>Handling:</b> Avoid contact with skin, clothing and eyes. Avoid breathing vapors. Use caution when opening cap. Observe good housekeeping practices.</p> <p><b>Storage:</b> Keep containers tightly closed. Store in a cool, dry, well-ventilated, flammable liquid storage area. Take precautionary measures against static discharges. Keep product out of light, and away from open flames and spark producing equipment.</p>	<p>NA</p>		
SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION	SECTION 13: DISPOSAL INFORMATION		
<p><b>Engineering Measures:</b> General and/or local exhaust ventilation.</p> <p><b>Respiratory Protection:</b> Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p><b>Protective Gloves:</b> Impervious neoprene gloves and apron.</p> <p><b>Eye Protection:</b> Chemical splash goggles recommended.</p> <p><b>Other:</b> Eye wash and shower facility should be available.</p>	<p>Do not dump into any sewers, on the ground, or into any body of water. Dispose of waste material according to Federal, State and Local regulations.</p>		
SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	SECTION 14: TRANSPORT INFORMATION		
<p>Appearance: Colorless liquid                      Odor: Ether-like odor                      Solubility: Appreciable (more than 50%)                      Boiling Point: 150°F (66°C)                      Melting Point: NA                      Flash Point: 6°F (-14°C)                      Vapor Pressure: 129 @ 68°F (20°C)                      Vapor Density: 2.4                      Evaporation Rate: 8.0                      Specific Gravity: 0.9                      Flammable Limits LEL: 1.8                      Flammable Limits UEL: 11.8</p>	<p><b>DOT Shipping Name:</b> Flammable liquids, n.o.s.  <b>DOT Hazard Class:</b> 3  <b>DOT Packing Group:</b> II  <b>DOT UN Number:</b> 1993</p>		
<th>SECTION 10: STABILITY &amp; REACTIVITY</th> <td> <th>SECTION 15: REGULATORY INFORMATION</th> </td>	SECTION 10: STABILITY & REACTIVITY	<th>SECTION 15: REGULATORY INFORMATION</th>	SECTION 15: REGULATORY INFORMATION
<p><b>Conditions to Avoid/Incompatibles:</b> Heat, flame, other sources of ignition, light and air. Avoid subjecting resin to temperatures above 90°F (32°C) due to presence of volatile methyl ethyl ketone. Avoid acids, strong oxidizing agents, strong bases and strong reducing agents.</p> <p><b>Decomposition Products:</b> Carbon monoxide, carbon dioxide, explosive peroxides and phenolics.</p> <p><b>Hazardous Polymerization:</b> Will not occur by itself, but masses of more than one pound of product plus aliphatic amine will cause irreversible polymerization with considerable heat buildup.</p>	<p><b>Toxic Substance Control Act TSCA:</b> All ingredients are TSCA listed.</p> <p><b>SARA Title III Section 313 Hazardous Categories:</b> 40 CFR 370.2</p>		
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<p><b>Health Hazards:</b> Chronic over-exposure may result in kidney and/or liver damage.</p>	<p><b>Legend</b>                      NAIF: No Applicable Information Found                      NA: Not Available/Applicable                      NE: None Established</p> <p><b>DISCLAIMER:</b> The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.</p>		

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<p><u>Handling:</u> Avoid contact with skin, clothing and eyes. Avoid breathing vapors. Observe good housekeeping practices.</p> <p><u>Storage:</u> Keep containers tightly closed. Store below 80°F (27°C) in a dry, well-ventilated, flammable liquid storage area.</p>	<p>NA</p>
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<p>Page 2 of 2:</p>	<p>Form Prepared By: Allied High Tech Products, Inc. January 2010</p>