

## MATERIAL SAFETY DATA SHEET

<b>Section 1 – Product and Company Identification</b>				
<u>Company Identification</u> ADESIVES 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: 12/05/06	Print Date: 12/05/06	MSDS #: UB5400L		
<b>Product Name:</b> Ultrabond 5400L		<b>Prepared By:</b> Richard Boland (x107)		
<b>Section 2 – Composition/Information on Ingredients</b>				
<b>Part A:</b> Component (chemical & common name)	% By Weight	PEL	TLV	STEL
Diglycidyl Ether of Bisphenol A	30% – 60%	NE	NE	NE
Triglycidal Ether	0% – 20%	NE	NE	NE
Ethylene Glycol	< 5%	C 50 ppm	C 100 ppm	NE
<b>Part B:</b> Component (chemical & common name)	% By Weight	PEL	TLV	STEL
n-aminoethylpiperazine	0% – 30%	NE	NE	NE
Nonyl phenol-	0% – 30%	NE	NE	NE
Phenol	0% – 30%	NE	NE	NE
MXDA	0% – 30%	NE	NE	NE
Ethylene Glycol	< 5%	C 50 ppm	C 100 ppm	NE
<b>Section 3 – Hazards Identification</b>				
<b>Known Hazards:</b> Part A: Skin and eye irritation. Sensitizer; Part B: Corrosive				
<b>Signs and Symptoms of Exposure:</b> 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.				
<b>Medical Conditions Aggravated by Exposure:</b> Skin, eye, and respiratory conditions				
<b>Routes of Exposure:</b> Dermal. Inhalation.				
<b>Carcinogenicity:</b> IARC classifies crystalline silica as a Group I carcinogen based upon evidence among workers in industries where there has been long-term and chronic exposure (via inhalation) to silica dust. This product does not pose a dust hazard; therefore, this classification is not relevant.				
<b>Section 4 – First Aid Measures</b>				
<b>Inhalation:</b>	Move to fresh air; give oxygen if breathing is difficult. Call a physician if symptoms persist.			
<b>Eyes:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if symptoms persist.			
<b>Skin:</b>	Wash with mild soap and water. Launder contaminated clothing before reuse.			
<b>Ingestion:</b>	If conscious, give plenty of water; do not induce vomiting unless directed to by a physician. Call a physician.			
<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.			
<b>Section 5 – Fire Fighting Measures</b>				
<b>Flash Point:</b> > 200° 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.				
<b>Section 7 – Handling and Storage</b>				

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

**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: White Paste; Part B: Black Paste      **Specific Gravity:** Part A: 1.6; Part B: 1.5

**Odor:** Part A: Slight Odor; Part B: Slight Amine Odor      **pH:** N/D

**Boiling Point:** N/A      **Vapor Density:** N/A

**Vapor Pressure:** N/A      **VOC Content:** 8.02 g/l (when mixed)

**Solubility in Water:** Insoluble      **Evaporation Rate:** N/A

### Section 10 – Stability and Reactivity

**Hazardous Polymerization:** Will not occur      **Stability:** Stable

**Incompatibility:** Strong acids, peroxides, and other oxidizing agents

**Hazardous Decomposition Products:** Thermal decomposition can yield CO, CO<sub>2</sub> and organic Nitrogen compounds.

**Conditions to Avoid:** Exposure to 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 of this MSDS.

### 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** – Corrosive Solids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1759, PG III.

**IATA/CAO Shipping name:** CARTRIDGE: Corrosive Solids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1759, PG III, Ltd Qty.

**BULK:** Corrosive Solids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1759, PG III.

### 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

**HMIS Codes:** A: Health 2, Flammability 1, Reactivity 0, PPE B; B: Health 3, Flammability 1, Reactivity 0, PPE B

**SARA Title III, Section 313:** This product contains 0 – 2% ethylene glycol which is subject to reporting under Section 313 of SARA Title III

**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. ppm = parts per million

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