

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: 12/05/06	Print Date: 12/05/06	MSDS #: UB2200		
Product Name: Ultrabond 2200		Prepared By: Richard Boland (x107)		
Section 2 – Composition/Information on Ingredients				
Part A: Hazardous Component (chemical name)	% By Weight	PEL	TLV	STEL
Diglycidyl Ether of Bisphenol A	> 50%	NE	NE	NE
Ethylene Glycol	< 5%	C 50 ppm	C 100 ppm	NE
Part B: Hazardous Component (chemical name)	% By Weight	PEL	TLV	STEL
Polyamido Amine	0% – 20%	NE	NE	NE
Modified Polyamido Amine	10% – 40%	NE	NE	NE
Aminoethylpiperazine	< 10%	NE	NE	NE
Diethylenetriamine	< 10%	NE	NE	NE
Amine Adduct	> 20%	NE	NE	NE
Bisphenol A	< 10%	NE	NE	NE
Nonyl phenol-	10% – 40%	NE	NE	NE
Ethylene Glycol	< 5%	C 50 ppm	C 100 ppm	NE
Section 3 – Hazards Identification				
Known Hazards: Part A: Skin and eye irritation. Sensitizer; Part B: Corrosive				
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: Dermal. Inhalation.				
Carcinogenicity: 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.				
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 to 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 Fighting Measures				
Flash Point: > 200° F		Flammable Limits: N/A		
Extinguisher Media: Carbon Dioxide, Dry Chemical, Water Spray, Foam				
Special Fire Fighting Procedures: Use a self-contained breathing apparatus when fighting fires involving chemicals.				
Unusual fire and Explosion Hazards: None known. Thermal decomposition products can be formed.				
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

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; Part B: Black	Specific Gravity (g/cc): Part A: 1.1; Part B: 0.9
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Odor: Part A: Slight Odor; Part B: Slight Amine Odor	pH: N/D
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Boiling Point: N/A	Vapor Density: N/A
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Vapor Pressure: N/A	VOC Content: 3.04 g/l (when mixed)
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Solubility in Water: Insoluble	Evaporation Rate: N/A
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Section 10 – Stability and Reactivity

Hazardous Polymerization: Will not occur	Stability: Stable
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Incompatibility: Strong acids, peroxides, and other oxidizing agents

Hazardous Decomposition Products: Thermal decomposition can yield CO, CO₂ 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 Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III.

IATA/CAO Shipping name: CARTRIDGE: Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III, Ltd Qty.

BULK: Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, 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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