

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 #: UB2100		
Product Name: Ultrabond 2100		Prepared By: Richard Boland (x107)		
Section 2 – Composition/Information on Ingredients				
Part A: Hazardous Component - (chemical name)	% By Weight	PEL	TLV	STEL
Reaction products of Epichlorohydrin and Bisphenol A	> 50%	NE	NE	NE
Alkyl Glycidyl Ether	< 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
Nonyl phenol-	0% – 20%	NE	NE	NE
n-aminoethylpiperazine	10% – 30%	NE	NE	NE
Polyamido Amine	> 50%	NE	NE	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 Liquid; Part B: Black Liquid	Specific Gravity: Part A: 1.1; Part B: 0.8
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: 2.66 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 ₂ 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	
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.	