

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: 11/02/2011		Print Date: 11/02/2011		MSDS #: UB2100	
Product Name: Ultrabond 2100			Prepared By: Richard Boland (x107)		
Section 2 – Composition/Information on Ingredients					
Part A: Hazardous Component	CAS #	% By Weight	PEL	TLV	STEL
Diglycidyl Ether of Bisphenol A	25085-99-8	> 50%	NE	NE	NE
Alkyl Glycidyl Ether	68609-97-2	< 30%	NE	NE	NE
Ethylene Glycol	107-21-1	< 2%	C 50 ppm	C 100 ppm	NE
Titanium Dioxide	13463-67-7	< 5%	NE	5 mg/m ³	NE
Non-Hazardous proprietary ingredients	-	< 20%	NE	NE	NE
Part B: Hazardous Component	CAS #	% By Weight	PEL	TLV	STEL
Nonyl phenol-	84852-15-3	< 20%	NE	NE	NE
n-aminoethylpiperazine	140-31-8	< 20%	NE	NE	NE
Modified Polyamido Amine	68605-86-7	> 20%	NE	NE	NE
Diethylenetriamine (DETA)	111-40-0	< 5%	NE	NE	NE
Ground Limestone	1317-65-3	< 20%	5 mg/m ³	2 mg/m ³	NE
Ceramic Microspheres	1302-76-7	> 15	5 mg/m ³	NE	NE
Non-Hazardous proprietary ingredients	-	< 20%	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: This product contains no known carcinogens.					
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: Part A: > 400° F		Flash Point: Part B: > 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: Non Volatile **Vapor Density:** N/A **VOC Content:** 51.0 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, 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.

ICAO 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.

IATA Shipping name:

CARTRIDGE & 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

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

HMIS Rating	Part A	Part B	NFPA Hazard Rating	Part A	Part B
Health	2	3	Health	1	2
Flammability	1	1	Flammability	1	1
Reactivity	0	0	Reactivity	0	0
PPE	B	B			

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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