

**MATERIAL SAFETY DATA SHEET**

Section 1 – Product and Company Identification					
Company Identification ARDEX Engineered Cements 400 ARDEX Park Drive Aliquippa, PA 15001			Emergency Phone CHEM-TEL (800) 255-3924 (24 hours) or call collect 1-813-248-0585 Contact Phone 724-203-8499 (9:00 a.m. – 5:00 p.m. EST)		
Effective Date:	Print Date:		MSDS #:		
Product Name: ARDEX ArdiBond™ AP			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
Ground Limestone	1317-65-3	< 15%	5 mg/m ³	2 mg/m ³	NE
Titanium Dioxide	13463-67-7	< 5%	NE	5 mg/m ³	NE
Ethylene Glycol	107-21-1	< 2%	C 50 ppm	C 100 ppm	NE
Quartz Silica Sand (Crystalline Silica)*	14808-60-7	< 1%	0.1 mg/m ³	0.1 mg/m ³	NE
Benzyl Alcohol	100-51-6	> 1%	C 50 ppm	C 100 ppm	NE
Remaining ingredients proprietary	-	< 30%	NE	NE	NE
Part B: Hazardous Component	CAS #	% By Weight	PEL	TLV	STEL
n-aminoethylpiperazine	140-31-8	< 25%	NE	NE	NE
Nonyl phenol-	84852-15-3	< 25%	NE	NE	NE
Ground Limestone	1317-65-3	< 25%	5 mg/m ³	2 mg/m ³	NE
Ethylene Glycol	107-21-1	> 2%	C 50 ppm	C 100 ppm	NE
Benzyl Alcohol	100-51-6	> 1%	C 50 ppm	C 100 ppm	NE
Quartz Silica Sand (Crystalline Silica)*	14808-60-7	< 1%	0.1 mg/m ³	0.1 mg/m ³	NE
Remaining ingredients proprietary	-	> 25%	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 unless the product is cured and sanded.*					
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 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: > 300° F. 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.					

**MATERIAL SAFETY DATA SHEET**

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 Paste; Part B: Black Paste			Specific Gravity (g/cc): Part A: 1.27; Part B: 1.35		
Odor: Part A: Slight Odor; Part B: Slight Amine Odor			pH: N/D	Boiling Point: N/A	
Vapor Density: Non-volatile		Vapor Pressure: N/A		VOC Content: 78 g/l (when mixed)	
Solubility in Water: Insoluble			Evaporation Rate: Non-volatile		
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.					
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/ICAO 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					
SARA Title III, Section 313: This product contains 0 – 5% 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	2	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. ND = Not Determined; 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.					