

Material Safety Data Sheet

ARDEX Bonding & Anti-Corrosion Agent

Section I - Manufacturer's Information

Identity: **ARDEX Bonding & Anti-Corrosion Agent** Common Name/Synonym: **Acrylic, Cement, Epoxy-Based Bonding Agent**
 Manufacturer's Name: **ARDEX Engineered Cements** Information #: **(724) 203-8499** DOT Hazardous Class: **Not Regulated**
400 Ardex Park Drive Emergency #: **(800) 255-3924** CAS Number: **Not Registered**
Aliquippa, PA 15001 Call Collect #: **1-813-248-0585**

Section II - Preparation Information

Prepared By: **Research & Development**

Date Prepared: **January 29, 2010**

Section III - Hazardous Ingredients

Component - A Ingredient	Percent w/w	CAS Number	OSHA	TWA/TLV ACGIH	Other	LD50	LC50
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No Reportable Hazardous Ingredients. Product is Water based.

Component - B Ingredient	Percent w/w	CAS Number	OSHA	TWA/TLV ACGIH	Other	LD50	LC50
Barium Metaborate Monohydrate	1-5	13701-59-2	0.5 mg/m ³	0.5 mg/m ³	N/E mg/m ³	N/E	N/E
Silicon Dioxide	60-100	14808-60-7	10/(%SiO ₂ +2) mg/m ³	0.10 mg/m ³	NIOSH 0.05 mg/m ³	N/E	N/E
Silica - Amorphous	1-5	112945-525	10/(%SiO ₂ +2) mg/m ³	10.0 mg/m ³	N/E mg/m ³	N/E	N/E
Portland Cement	10-30	65997-15-1	5.0 mg/m ³	10.0 mg/m ³	N/E mg/m ³	N/E	N/E

Section IV - Physical/Chemical Characteristics

Component - A	Boiling Point: 100 deg C/212 deg F	Vapor Density [Air=1]: > 1	Vapor Pressure: N/E	pH Level: 7.0 - 10.0
	Melting Point: N/A	Evaporation Rate [Ether=1]: < 1	Physical State: Liquid	Solubility in Water: Miscible
	Freezing Point: 0 deg C/32 deg F	Specific Gravity: [H ₂ O=1]: > 1.0	Odor Threshold: N/E	Coefficient of Water/Oil Distribution: N/E
	Appearance and Odor: White Liquid - Mild Odor			
Component - B	Boiling Point: N/A	Vapor Density [Air=1]: > 1	Vapor Pressure: N/A	pH Level: N/A
	Melting Point: N/A	Evaporation Rate [Ether=1]: N/A	Physical State: Solid	Solubility in Water: Slightly Soluble
	Freezing Point: N/A	Specific Gravity: [H ₂ O=1]: > 1.0	Odor Threshold: N/E	Coefficient of Water/Oil Distribution: N/E
	Appearance and Odor: Gray Powder - Slight Odor			

Section V - Fire and Explosion Hazard Data

Component - A	Flammability: N/A	Flash Point: N/A	Autoignition Temperature: N/A
	Limits LEL/UEL: N/A - N/A	Sensitivity to impact: N/A	Sensitivity to Static Discharge: N/E
Hazardous Decomposition	Products: COx, NOx	Special Firefighting	Procedures: SCBA, full protective gear
Unusual Fire and Explosive	Hazards: May emit toxic fumes under fire conditions	Extinguishing Media: Water spray, foam, dry chemical	
Component - B	Flammability: N/A	Flash Point: N/A	Autoignition Temperature: N/A
	Limits LEL/UEL: N/A - N/A	Sensitivity to impact: N/A	Sensitivity to Static Discharge: N/E
Hazardous Decomposition	Products: COx, NOx	Special Firefighting	Procedures: SCBA, full protective gear
Unusual Fire and Explosive	Hazards: May emit toxic fumes under fire conditions	Extinguishing Media: Water spray, foam, dry chemical	

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Component - A

Hazardous Decomposition Products: **COx, NOx**

Stability: **Stable**

Incompatibility (Materials to Avoid): **Strong Oxidizers, Strong Bases**

Hazardous Polymerization: **None**

Conditions to Avoid: **Fires when curing**

Component - B

Hazardous Decomposition Products: **COx, NOx**

Stability: **Stable**

Incompatibility (Materials to Avoid): **Strong Oxidizers, Strong Bases**

Hazardous Polymerization: **None**

Conditions to Avoid: **Fires when curing**

Section VII - Health Hazard Data

Carcinogenicity: **Yes**

NTP: **Yes**

IARC: **Group 1**

OSHA Regulated: **No**

LD50: **N/A**

LC50: **N/A**

Effects and Hazards of

Eye Contact:

Direct contact with material may cause irritation.

Effects and Hazards of

Inhalation (Breathing):

Prolonged exposure to respirable silica (quartz) dust may cause delayed (chronic) lung injury.

Effects and Hazards of

Skin Contact:

Contact with skin may cause reddening or a slight rash in individuals with sensitive skin.

Effects and Hazards of

Ingestion (Swallowing):

May cause some stomach distress.

HMIS

Health:

1

Flammability

0

Reactivity:

0

PPE:

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Section VIII - Emergency and First Aid Procedures

Treatment for Eye Contact:

As with any foreign material in the eyes, they should be flushed for fifteen minutes with running water while holding the eyes open. This will assist in flushing material from the eye. If irritation continues, seek medical attention.

Treatment for Inhalation

(Breathing):

If respiratory irritation occurs, go to fresh air. Flood work area with fresh air and if irritation continues, seek medical attention.

Treatment for Skin

Contact:

Wash with mild soap and water. Hand creams should be used to prevent dry skin. If skin irritation, reddening or a rash occur, seek medical attention.

Treatment for Ingestion

(Swallowing):

Contact medical help immediately; untrained first aid personnel should not attempt to administer first aid.

Section IX - Precautions for Safe Handling and Use

Steps to be taken in case

material is released or

spilled (Dry Stage):

Sweep and dispose of in proper receptacle.

Steps to be taken in case

material is released or

spilled (Wet Stage):

Scoop into proper receptacle and allow to harden.

Waste Disposal

Method:

Per local, state and federal regulations.

Precautions To Be Taken In

Handling and Storing:

Store in a cool dry location, out of direct sunlight. Protect from freezing.

Other Precautions:

This material is an industrial product designed to be used by professionals familiar with the requirements of this material safety data sheet.

Respiratory Protection:

Respiratory protection is recommended for mixing this product. Respiratory protection is not required for normal use of this product. If material is mixed, ground upon or sanded when it is dry, NIOSH/MSHA approved respirators for dust should be provided and worn. All workers required to use respiratory protection should be trained in their proper selection, use and care.

Section VI - Reactivity Data

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Ventilation: **Recommended; local or mechanical when mixing, applying or sanding the product in the dry state.**

Protective Gloves: **Recommended; plastic or rubber.**

Eye Protection: **Recommended; chemical splash safety goggles.**

Other Protective
Equipment: **Recommended; splash bib and protective clothing.**

Work and Hygienic
Practices: **Remove and wash contaminated clothing. As with all commercial and industrial products, always wash hands before eating or smoking.**

California Proposition 65: **This product contains crystalline silica (quartz sand), which is considered a carcinogen by the State of California.**

The information and recommendations contained herein are, to the best of ARDEX' knowledge and belief, accurate and reliable as of the date issued. ARDEX does not warrant or guarantee their accuracy or reliability, and ARDEX shall not be liable for any loss or damage arising out of their use thereof. The information and recommendations are offered for the users' consideration and examination, and it is the users' responsibility to satisfy itself that they are suitable and complete for its particular use.

