

# Material Safety Data Sheet

## ARDEX ArdiCoat Plus

### Section I - Manufacturer's Information

Identity: **ARDEX ArdiCoat Plus** Common Name/Synonym: **Acrylic Cementitious Based Coating**  
Manufacturer's Name: **ARDEX Corp. 400 Ardex Park Drive Aliquippa, PA 15001** Information #: **(724) 203-8499** DOT Hazardous Class: **Not Regulated**  
Emergency #: **(800) 255-3924** CAS Number: **Not Registered**  
Call Collect #: **1-813-248-0585**

### Section II - Preparation Information

Prepared By: **ARDEX Research and Development Department** Date Prepared: **22-Apr-10**

### Section III - Hazardous Ingredients

Component - A Ingredient mg/L	Percent w/w	CAS Number	OSHA	TWA/TLV		Other	LD50	LC50
				ACGIH				
Propylene Glycol	1-5	57-55-6	N/E mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		N/E mg/m <sup>3</sup>	18500 mg/kg	> 5000
Calcium Carbonate	10-30	1317-65-3	5.0 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>		N/E mg/m <sup>3</sup>	N/E	N/E
Silicon Dioxide	10-30	14808-60-7	10/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup>	0.10 mg/m <sup>3</sup>		NIOSH 0.05 mg/m <sup>3</sup>	N/E	N/E

Component - B Ingredient	Percent w/w	CAS Number	OSHA	TWA/TLV		Other	LD50	LC50
				ACGIH				
Portland Cement	10-30	65997-15-1	5.0 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>		N/E mg/m <sup>3</sup>	N/E	N/E

### Section IV - Physical/Chemical Characteristics

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

**Component - B**  
Boiling Point: **N/A** Vapor Density [Air=1]: **N/A** Vapor Pressure: **N/A** pH Level: **N/A**  
Melting Point: **N/A** Evaporation Rate [Ether=1]: **N/A** Physical State: **Solid** Solubility in Water: **Miscible**  
Freezing Point: **N/A** Specific Gravity: [H<sub>2</sub>O=1]: **> 1.0** Odor Threshold: **N/E**  
Appearance and Odor: **Gray Powder - Slight Odor** Coefficient of Water/Oil Distribution: **N/E**

### 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: **None** Sensitivity to Static Discharge: **N/E**  
Hazardous Decomposition Products: **COx, NOx, Hydrocarbons** Special Firefighting Procedures: **SCBA, full protective gear**  
Unusual Fire and Explosive Hazards: **Material may spatter above 100 deg C/212 deg F** 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: **None** Sensitivity to Static Discharge: **N/E**  
Hazardous Decomposition Products: **None** Special Firefighting Procedures: **SCBA, full protective gear**  
Unusual Fire and Explosive Hazards: **N/A** Extinguishing Media: **Water spray, foam, dry chemical**

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### Section VI - Reactivity Data

#### Component - A

Hazardous Decomposition Products: **COx, NOx, Hydrocarbons**

Stability: **Stable**

Incompatibility (Materials to Avoid): **None**

Hazardous Polymerization: **None**

Conditions to Avoid: **None**

#### Component - B

Hazardous Decomposition Products: **None**

Stability: **Stable**

Incompatibility (Materials to Avoid): **None**

Hazardous Polymerization: **None**

Conditions to Avoid: **None**

### Section VII - Health Hazard Data

Carcinogenicity: **No**    NTP: **No**    IARC: **No**    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:    J

### 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):

**Bind with absorbent material.**

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. Product contains silica (quartz) sand, which has been designated by IARC as a group 1 - human carcinogen. Prolonged exposure to respirable silica (quartz) dust may cause delayed (chronic) lung injury such as silicosis. If material is 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.**

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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.**

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