



Material Safety Data Sheet  
 May be used to comply with  
 OSHA's Hazard Communication Standard  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U.S. Department of Labor**  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)

IDENTITY (As Used on Label and List) <b>ARDEX 8+9 (PART 8 - LIQUID)</b>	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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**Section I**

Manufacturer's Name <b>ARDEX ENGINEERED CEMENTS</b>	Emergency Telephone Number <b>(800) 255-3924</b>
Address (Number, Street, City, State and Zip Code)  400 Ardex Park Drive Aliquippa, PA 15001 U.S.A.	Telephone Number for Information <b>(724) 203-5000</b>
	Date Prepared 10/01/2004
	Signature of Preparer (Optional)

**Section II – Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
100% MAX VINYL ACETATE COPOLYMER 24937-78-8	10PPM			

**Section III – Physical/Chemical Characteristics**

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	1.2
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water LESS THAN 50g/1000 cm <sup>3</sup>			
Appearance and Odor LIGHT PINK IN COLOR - AROMATIC			

**Section IV – Fire and Explosion Hazard Data**

Flash Point (Method Used) NON-FLAMMABLE	Flammable Limits NON-FLAMMABLE	LEL N/A	UEL N/A
Extinguishing Media WILL NOT BURN			
Special Fire Fighting Procedures NONE			
Unusual Fire and Explosion Hazards NONE REQUIRED WITH RESPECT TO THIS PRODUCT			

**Section V – Reactivity Data**

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid
	Stable	<input checked="" type="checkbox"/>	NONE
Incompatibility ( <i>Materials to Avoid</i> )			
NONE			
Hazardous Decomposition or Byproducts			
NONE			
Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid
	Will Not Occur	<input checked="" type="checkbox"/>	NONE

**Section VI – Health Hazard Data**

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	NONE	NONE	DO NOT INGEST
Health Hazards ( <i>Acute and Chronic</i> )			
NONE			
Carcinogenicity:	NTP? NONE	IARC Monographs? NONE	OSHA Regulated? NO
Signs and Symptoms of Exposure			
NONE			
Medical Conditions Generally Aggravated by Exposure			
NONE			
Emergency First Aid Procedures			
<b>SKIN:</b> WASH WITH SOAP & WATER. <b>EYES:</b> FLUSH WITH WAER. <b>INHALATION:</b> REMOVE TO FRESH AIR. <b>INGESTION:</b> INDUCE VOMITING, IF VICTM IS ALERT. SEEK MEDICAL ATTENTION. INGEST-DILUTE WITH WATER. SEEK MEDICAL ATTENTION IF NECESSARY.			

**Section VII – Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled
TAKE UP WITH LIQUID ABSORBING MATERIAL. DO NOT FLUSH INTO SEEWERS OR PUBLIC WATERWAYS.
Waste Disposal Method
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE/PROVINCIAL AND FEDERAL REGULATIONS.
Precautions to Be Taken in Handling and Storing
PROTECT FROM FREEZING.
Other Precautions
NONE

**Section VIII – Control Measures**

Respiratory Protection ( <i>Specify Type</i> )		
NIOSH APPROVED RESPIRATOR IF REQUIRED.		
Ventilation	Local Exhaust	Special
	AS NEEDED	NONE
	Mechanical ( <i>General</i> )	Other
	NONE	NONE
Protective Gloves	YES	Eye Protection
		YES
Other Protective Clothing or Equipment		
NONE		
Work/Hygienic Practices		
AFTER WORK, WASH HANDS WITH SOAP AND WATER.		



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IDENTITY (As Used on Label and List)  
**ARDEX 8+9 (PART 9 - POWDER)**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

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Address (Number, Street, City, State and Zip Code)  400 Ardex Park Drive Aliquippa, PA 15001 U.S.A.	Telephone Number for Information <b>(724) 203-5000</b>
	Date Prepared 10/01/2004
	Signature of Preparer (Optional)

**Section II – Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
50% MAX QUARTZ 14808-60-7	.05 MG/M <sup>3</sup>	.1	MG/M <sup>3</sup>	
40% MAX PORTLAND CEMENT 65997-15-1	10 MG/M <sup>3</sup>	10	MG/M <sup>3</sup>	
45% CALCIUM CARBONATE 1317065-3	N/A	30	MPPCF	
20% MAX VINYL ACETATE COPOLYMER 24937-78-8	10 MG/M <sup>3</sup>	10	MG/M <sup>3</sup>	

**Section III – Physical/Chemical Characteristics**

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	1.2
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water  
 Less than 50g/1000 cm<sup>3</sup>

Appearance and Odor  
 Fine Gray Powder - Odorless

**Section IV – Fire and Explosion Hazard Data**

Flash Point (Method Used) NON-FLAMMABLE	Flammable Limits NON-FLAMMABLE	LEL N/A	UEL N/A
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Extinguishing Media  
 WILL NOT BURN

Special Fire Fighting Procedures  
 NONE

Unusual Fire and Explosion Hazards  
 NONE REQUIRED WITH THIS PRODUCT

**Section V – Reactivity Data**

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid	N/A
	Stable	<input checked="" type="checkbox"/>	NONE	
Incompatibility ( <i>Materials to Avoid</i> )				
NONE				
Hazardous Decomposition or Byproducts				
NONE				
Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid	
	Will Not Occur	<input checked="" type="checkbox"/>	NONE	

**Section VI – Health Hazard Data**

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	YES	YES	DO NOT INGEST
Health Hazards ( <i>Acute and Chronic</i> )			
EXCESSIVE OR LONG-TERM INHALATION MAY CAUSE PNEUMOCONIOSIS (SILICOSIS) MAY CAUSE IRRITATION TO NOSE, THROAT, AND RESPIRATORY PASSAGES.			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	YES	YES	N/A
Signs and Symptoms of Exposure	EXPOSURE TO SKIN OR EYES MAY CAUSE RASH OR IRRITATION INHALATION MAY CAUSE COUGH, SHORTNESS OF BREATH, WHEEZING AND AND REDUCED		
Medical Conditions Generally Aggravated by Exposure			
ALLERGIES TO PORTLAND CEMENT OR INDIVIDUALS WITH RESPIRATORY DISEASE OR SUBJECT TO EYE IRRITATION.			
Emergency and First Aid Procedures: SEEK MEDICAL ATTENTION. INHALATION MAY RESULT IN RESPIRATORY IRRITATION - REMOVE TO FRESH AIR. SKIN: WASH WITH SOAP AND WATER. EYES: FLUSH WITH WATER. INGESTION: DILUTE WITH WATER.			

**Section VII – Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled	COLLECT USING USTLESS METHOD (HEPA VACUUM OR WET METHOD). WHERE APPROPRIATE-PROTECTIVE EQUIPMENT.	COLLECT FOR DISPOSAL.
Waste Disposal Method		
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE/PROVINCIAL AND FEDERAL REGULATIONS.		
Precautions to Be Taken in Handling and Storing		
NONE. STORE IN A COOL, DRY AREA. USE NORMAL PRECAUTIONS AGAINST BAG BREAKAGE. USE GOOD HOUSEKEEPING TO PREVENT DUST ACCUMULATION.		
Other Precautions		
DO NOT BREATHE DUST.		

**Section VIII – Control Measures**

Respiratory Protection ( <i>Specify Type</i> )		
YES. SUITABLE NIOSH APPROVED RESPIRATORY PROTECTION FOR RESPIRABLE SILICA		
Ventilation	Local Exhaust	Special
	AS REQUIRED	N/A
	Mechanical ( <i>General</i> )	Other
	N/A	N/A
Protective Gloves	Eye Protection	
RECOMMENDED	RECOMMENDED	
Other Protective Clothing or Equipment		
AS APPROPRIATE FOR WORK ENVIRONMENT.		
Work/Hygienic Practices : DUSTY CLOTHING SHOULD BE LAUNDERED BEFORE USE. WHEN FINISHED SHOWER WITH SOAP AND WATER TO REMOVE DUST.		