



# 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)

ARDEX X3

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

Manufacturer's Name

ARDEX ENGINEERED CEMENTS

Emergency Telephone Number

(800) 255-3924

Address (Number, Street, City, State and Zip Code)

400 Ardex Park Drive  
Aliquippa, PA 15001  
U.S.A.

Telephone Number for Information

(724) 857-6400

Date Prepared

3/07

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	.05MG/M <sup>3</sup>	0.025MG/M <sup>3</sup>		
40% MAX PORTLAND CEMENT 65997-15-1	10 MG/M <sup>3</sup>	10MG/M <sup>3</sup>		
45% CALCIUM CARBONATE 1317065-3	N/A	30MPPCF		
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 50 G/1000 CM3		
Appearance and Odor	FINE GRAY POWDER		

## Section IV – Fire and Explosion Hazard Data

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

(Reproduce Locally)

OSHA 174, July 2006

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Special Fire Fighting Procedures

NONE

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Unusual Fire and Explosion Hazards

NONE REQUIRED WITH THIS PRODUCT

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(Reproduce Locally)

OSHA 174, July 2006

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**Section V – Reactivity Data**

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid
	Stable	<input checked="" type="checkbox"/>	NONE

Incompatibility (Materials to Avoid)  
 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	YES

Health Hazards (Acute and Chronic)  
 EXCESSIVE OR LONG-TERM INHALATION MAY CAUSE PNEUMOCONIOSIS (SILICOSIS). MAY CAUSE IRRITATION TO NOSE, THROAT AND RESPIRATORY PASSAGES. THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Carcinogenicity:	NTP?	IARC Monographs?
	YES	YES

Signs and Symptoms of Exposure  
 EXPOSURE TO SKIN OR EYES MAY CAUSE RASH OR IRRITATION. INHALATION MAY CAUSE COUGH, SHORTNESS OF BREATH, WHEEZING AND REDUCED PULMONARY FUNCTION.

Medical Conditions Generally Aggravated by Exposure  
 ALLERGIES TO PORTLAND CEMENT OR INDIVIDUALS WITH RESPIRATORY DISEASE OR SUBJECT TO EYE IRRITATION.

Emergency 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. INGEST - DILUTE WITH WATER.

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

Steps to Be Taken in Case Material is Released or Spilled  
 COLLECT USING DUSTLESS 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 (Specify Type)  
 WEAR A NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation	Local Exhaust	Special
	TO CONTROL TO RECOMMENDED P.E.L.	NONE
	Mechanical (General)	Other
	NONE	NONE

Protective Gloves	Eye Protection
RECOMMENDED	RECOMMENDED

Other Protective Clothing or Equipment  
 AS APPROPRIATE FOR WORK ENVIRONMENT. COVERALLS, APRON, AND BOOTS TO PREVENT CONTACT

Work/Hygienic Practices: DUSTY CLOTHING SHOULD BE LAUNDERED BEFORE REUSE. WHEN FINISHED SHOWER WITH SOAP AND WATER TO REMOVE DUST.