



# 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) GS-4	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) 857-6400</b>
	Date Prepared <b>1/10/2001</b>
	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>	.1MG/M <sup>3</sup>		
50% MAX GYPSUM 7778-18-9	10MG/M <sup>3</sup>	15/5(R) MG/M <sup>3</sup>	(R)=RESPIRABLE	
25% MAX CALCIUM CARBONATE 1317-65-3	N/A	30MPPCF		
20% MAX PORTLAND CEMENT 65997-15-1	10MG/M <sup>3</sup>	10MG/M <sup>3</sup>		
20% MAX VINYL ACETATE COPOLYMER 24937-78-8	10MG/M <sup>3</sup>	10MG/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 cm<sup>3</sup>

Appearance and Odor  
Fine White Powder – Odorless

## Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) NON-FLAMMABLE	Flammable Limits N/A	LEL N/A	UEL N/A
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
	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	YES
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 REDUCED PULMONARY FUNCTION.			
Medical Conditions Generally Aggravated by Exposure			
ALLERGIES TO PORTLAND CEMENT OR GYPSUM, 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. 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 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 ( <i>Specify Type</i> )		
WEAR A NIOSH/MSHA APPROVED RESPIRATOR.		
Ventilation	Local Exhaust	Special
	TO CONTROL TO RECOMMENDED P.E.L.	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. 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.		