



Prepared according to 29 CFR 1910.1200

Date prepared: **MARCH 2007**
Date revised: **FEBRUARY 2008**

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MSDS No.1.1.6.A

Section I

IDENTITY: As Used on Label and List: **AQUAFIN-PDS: Powder Component – A**
Chemical Characterization: **Cement - Preparation**

AQUAFIN, INC.
505 BLUE BALL RD. #160
ELKTON, MD 21921

24 hr Emergency Phone: Chem-Tel
Information Phone No.

(800) 255-3924
(410) 392-2300

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS	OSHA PEL	ACGIH TLV	Percent
Portland Cement	CAS 65997-15-1	15 mg/M ³	5 mg/M ³	
Crystalline Quartz Silica	CAS 14808-60-7	10 mg/M ³	.1 mg/M ³	

Section III - Physical/Chemical Characteristics

Boiling Point:	N.A.	Specific Gravity: (BULK DENSITY) appx.	1.4 kg/L
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:	MISCIBLE	pH-value:	11 - 13.5
Appearance and Odor:	CEMENT GRAY POWDER - ODORLESS		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method used):	NONE	Flammable Limits:	NONE	LEL:	N/A	UEL:	N/A
Extinguishing Media:	NONE REQUIRED - PRODUCT IS NOT FLAMMABLE						
Special Fire Fighting Procedures:	NONE - PRODUCT IS NOT FLAMMABLE						
Unusual Fire and Explosion Hazards:	NONE						

Section V - Reactivity Data

Stability: Unstable:	Stable: X	Conditions to Avoid:	AVOID CONTACT WITH HUMIDITY	
Incompatibility (Materials to Avoid):	NONE KNOWN			
Hazardous Decomposition or Byproducts:	NONE KNOWN			
Hazardous Polymerization: May Occur:	Will Not Occur: X	Conditions to Avoid:		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?: YES	Skin?: YES	Ingestion?: N/A
Health Hazards (Acute and Chronic):	HIGH DUST CONCENTRATION CAN BE IRRITATING TO RESPIRATORY SYSTEM; IRRITATING TO SKIN; IRRITATING TO EYES. PROLONGED EXPOSURE TO RESPIRABLE SILICA MAY CAUSE DELAYED LUNG INJURY (SILICOSIS).		

Carcinogenicity: - NTP?: **Yes** IARC Monographs?: **Yes** OSHA Regulated?: **Yes**
CRYSTALLINE QUARTZ SILICA IS LISTED BY ALL ABOVE AS A CARCINOGEN.

Signs and Symptoms of Exposure: **IRRITATION, REDNESS, RASH, COUGHING**

Medical Conditions - Generally Aggravated by Exposure: **HYPERSENSITIVE INDIVIDUALS MAY DEVELOP A SKIN RASH.**

Emergency and First Aid Procedures:

INHALATION: **CONSULT A PHYSICIAN, SHOULD THE AIR PASSAGES BE AFFECTED.**

SKIN: **AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER.**

EYES: **IN CASE OF CONTACT WITH THE EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER (10 - 15 MIN.) AND CONSULT A PHYSICIAN.**

INGESTION: **RINSE MOUTH VIGOROUSLY AND DRINK PLENTY OF WATER. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN.**

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled:

USE DRY CLEANUP METHODS THAT DO NOT DISPERSE THE DUST INTO THE AIR. WITH WATER MATERIAL HYDRATES TO A SOLID HARMLESS WASTE. EMERGENCY PROCEDURES ARE NOT REQUIRED.

Waste Disposal Method: **DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.**

Ecological Information: **THE UNUSED PRODUCT IS SLIGHT WATER POLLUTANT. LARGE QUANTITIES MAY BE TOXIC TO FISH. DO NOT EMPTY INTO WATERS OR DRAINS.**

Precautions to Be Taken in Handling and Storing: **AVOID BREATHING DUST AND CONTACT WITH EYES. STORE IN A DRY ENCLOSED AREA OFF THE GROUND. AVOID CONTACT WITH HUMIDITY. KEEP OUT OF REACH OF CHILDREN.**

Other Precautions: **NONE**

Section VIII - Control Measures

Respiratory Protection (*Specify Type*): **IN DUSTY ENVIRONMENTS USE OF 'NIOSH/MSHA' APPROVED RESPIRATOR IS RECOMMENDED.**

Ventilation: Local Exhaust: **AS REQUIRED TO CONTROL AIRBORNE DUST LEVELS.** Special: **NONE**

Mechanical (*General*): **RECOMMENDED** Other: **NONE**

Protective Gloves: **NEOPRENE or RUBBER** Eye Protection: **GOGGLES**

Other Protective Clothing or Equipment: **STANDARD WORK CLOTHING**

Work/Hygienic Practices: **WASH HANDS BEFORE BREAKS AND AFTER WORK, AND BEFORE EATING, DRINKING OR SMOKING.**

Section IX - Shipping Information

DOT (Domestic Surface) Hazard Class or Division: **NOT REGULATED**

IMO (Ocean) Hazard Class or Division: **NOT REGULATED**

ICAO (Air) Hazard Class or Division: **NOT REGULATED**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

END OF MSDS

(FEBRUARY 18, 2008)

Prepared according to 29 CFR 1910.1200

Date prepared: MARCH 2007
Date revised: FEBRUARY 2008Page 1 of 2
1.1.6.B**Section I****IDENTITY:** *As Used on Label and List:* **AQUAFIN-PDS: Liquid Component – B**
Chemical Characterization: **Polymer Dispersion on Styrene - Acrylate Basis**AQUAFIN, INC.
505 BLUE BALL RD. #160
ELKTON, MD 2192124 hr Emergency Phone: Chem-Tel
Information Phone No.**(800) 255-3924**
(410) 392-2300**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s)) OSHA PEL ACGIH TLV Percent

WATER BASED ACRYLIC COPOLYMER DISPERSION
No hazardous components**N.A.****N.A.****Section III - Physical/Chemical Characteristics**

Boiling Point:	212° F (100° C) WATER	Specific Gravity: (BULK DENSITY) appx. 1.02 kg/L
Vapor Pressure (mm Hg.):	N.A.	Melting Point: 32° F (0° C)
Vapor Density (AIR = 1):	N.A.	Evaporation Rate (Butyl Acetate = 1): N.A.
Solubility in Water:	FULLY MISCIBLE	pH-value: 7.5 at 68° F (20° C)
Appearance and Odor:	MILKY LIQUID – SLIGHT CHARACTERISTIC ODOR	

Section IV - Fire and Explosion Hazard Data

Flash Point (Method used): NONE	Flammable Limits: NONE	LEL: N/A	UEL: N/A
Extinguishing Media:	CO₂, EXTINGUISHING POWDER OR WATER JET - PRODUCT IS NOT COMBUSTIBLE		
Special Fire Fighting Procedures:	NONE, IF HANDLED AND STORED ACCORDING TO INSTRUCTIONS		
Unusual Fire and Explosion Hazards:	NONE		

Section V - Reactivity Data

Stability: Unstable:	Stable: X	Conditions to Avoid: NONE
Incompatibility (Materials to Avoid):	NONE KNOWN	
Hazardous Decomposition or Byproducts:	NONE KNOWN	
Hazardous Polymerization: May Occur:	Will Not Occur: X	Conditions to Avoid:

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?: N/A	Skin?: N/A	Ingestion?: N/A
Health Hazards (Acute and Chronic):	WHEN HANDLED UNDER NORMAL CONDITIONS, "AQUAFIN-PDS, COMPONENT-B" HAS TO OUR BEST KNOWLEDGE AND EXPERIENCE NO TOXIC EFFECTS. NO IRRITATING OR SENSITIZING EFFECTS KNOWN.		

