

Prepared according to 29 CFR 1910.1200

Date prepared: **JANUARY 2001**  
Date revised: **JANUARY 2008**

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MSDS No.1.1.1

## Section I

**IDENTITY:** As Used on Label and List: **AQUAFIN-1K (gray)**  
Chemical Characterization: Cement - Preparation

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

Emergency Phone No. **(800) 394-1410**  
Information Phone No. **(410) 392-2300**

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Percent
<b>MIXTURE OF: Portland Cement (CAS 65997-15-1)</b>	<b>15 mg/M<sup>3</sup></b>	<b>5 mg/M<sup>3</sup></b>	<b>25-50%</b>
<b>Crystalline Quartz Silica (CAS 14808-60-7)</b>	<b>10 mg/M<sup>3</sup></b>	<b>.1 mg/M<sup>3</sup></b>	<b>&lt;1%</b>

## Section III - Physical/Chemical Characteristics

Boiling Point:	<b>N.A.</b>	Specific Gravity (H <sub>2</sub> O = 1): (BULK DENSITY)	<b>appx. 1.4 kg/L</b>
Vapor Pressure (mm Hg.):	<b>N.A.</b>	Melting Point:	<b>N.A.</b>
Vapor Density (AIR = 1):	<b>N.A.</b>	Evaporation Rate (Butyl Acetate = 1):	<b>N.A.</b>
Solubility in Water:	<b>&lt; 1.5 g/L</b>	pH-value:	<b>11 - 13.5</b>
Appearance and Odor:	<b>CEMENT GRAY POWDER – SLIGHT ODOR (characteristic)</b>		

## Section IV - Fire and Explosion Hazard Data

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

## Section V - Reactivity Data

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

## Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?: <b>YES</b>	Skin?: <b>YES</b>	Ingestion?: <b>N/A</b>
Health Hazards (Acute and Chronic):	<b>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)</b>		
Carcinogenicity: -	NTP?: <b>Yes</b>	IARC Monographs?: <b>Yes</b>	OSHA Regulated?: <b>Yes</b>
<b>CRYSTALLINE QUARTZ SILICA IS LISTED BY ALL ABOVE AS A CARCINOGEN.</b>			
Signs and Symptoms of Exposure:	<b>IRRITATION, REDNESS, RASH, COUGHING</b>		

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.**

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## Section VII - Precautions for Safe Handling and Use

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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.**

Other Precautions: **NONE**

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## Section VIII - Control Measures

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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.**

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## Section IX - Shipping Information

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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**

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END OF MSDS

(January 15, 2008)