

Prepared according to 29 CFR 1910.1200

Date prepared: **JANUARY 2001**
Date revised: **JANUARY 2008**Page 1 of 2
MSDS No.1.1.2**Section I****IDENTITY:** *As Used on Label and List:* **AQUAFIN-1K WHITE**
Chemical Characterization: Cement - PreparationAQUAFIN, INC.
505 BLUE BALL ROAD. #160
ELKTON, MD 21921Emergency 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 |
|---|----------------------|---------------------|---------|
| MIXTURE OF: Portland Cement (CAS 65997-15-1) | 15 mg/M ³ | 5 mg/M ³ | 25-50% |
| Calcium Hydroxide (CAS 1305-62-0) | 15 mg/M ³ | 5 mg/M ³ | 2.5-10% |

Section III - Physical/Chemical Characteristics

| | | | |
|--------------------------|---|---|-----------------------|
| Boiling Point: | N.A. | Specific Gravity (H ₂ O = 1): (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: | < 1.5 g/L | pH-value: | 11 - 13.5 |
| Appearance and Odor: | WHITE CEMENT POWDER – SLIGHT ODOR (characteristic) | | |

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

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|--|--------------------------|----------------------|------------------------------------|--|--|
| 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 Data1305-62-0 Calcium Hydroxide: Animal Toxicity - Oral, LD50 (Ingestion) - **7340 mg/kg (Rats)**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**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.**

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**

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