

Date prepared: **JANUARY, 2002**  
 Date revised: **MARCH 2010**

MSDS No.2.2.1

**Section 01 - Product Identification**

IDENTITY: *As Used on Label and List:* **AQUAFIN-MORTAR-IC**  
*Chemical Characterization:* **Cement – Preparation**  
*Product Use Description:* **Patching Mortar**

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

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

**Section 02 - Composition/Information on Hazardous Ingredients**

Hazardous Components	CAS No.	OSHA	TLV/PEL	Weight %
Portland Cement	65997-15-1	15 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	25 – 50
Crystalline Quartz Silica	14808-60-7	10 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	40 – 50
Calcium Hydroxide	1305-62-0	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	2.5 – 10
Trade Secret		15 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	T.S.

**Section 03 - Hazards Identification**

(Hazard Rating: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe; \* = Chronic)

HMIS® - Rating	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

**Hazard Designation**



**Xi Irritant**

WHMIS Class: D2B E

**Potential Health Effects of Overexposure**

- Inhalation:** High dust concentration can be irritating to respiratory system; coughing and labored breathing, possible temporary but reversible irritation in mucous membranes and respiratory tract.
- Ingestion:** Irritating to mouth, throat and stomach. Rinse mouth vigorously and drink plenty of water. Do not induce vomiting. Consult a physician.
- Skin Contact:** Can cause slight to moderate irritation. In combination with water, repeated or prolonged dermal exposure can cause moderate to severe alkali burns.
- Eye Contact:** Can cause severe irritation, redness, tearing and blurred vision. Prolonged or repeated contact can cause burns and possibly corneal injury.
- Chronic Exposure:** This product contains Crystalline (quartz) Silica which has been listed as a human carcinogen by NTP (Group 1) and IARC (Human Carcinogen) and a Suspected Human Carcinogen by ACGIH (Category A2). Repeated or prolonged over exposure to free respirable Crystalline (quartz) Silica or silica can cause silicosis or other delayed and serious lung injury.

**Section 04 – First Aid Measures**

**After Inhalation:** Remove subject to fresh air. Administer oxygen if difficulty with breathing. Consult a physician.

- After Ingestion:** Immediately seek medical attention. Do not induce vomiting without medical advice. If conscious drink plenty of water.
- After Skin Contact:** Instantly wash skin with plenty of soap and water for at least 15 minutes. Wash clothing before reuse. Seek medical attention if symptoms persist.
- After Eye Contact:** Rinse opened eye with plenty of running water for at least 15 minutes, lifting upper and lower eyelids occasionally. Consult physician.

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## Section 05 – Fire Fighting Measures

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- Flash Point:** Not combustible.
- Autoignition:** Not flammable.
- Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>), extinguishing powder, water fog, alcohol-resistant foam.
- Special Fire Fighting Procedures:** As in any fire, wear full protective gear and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.
- Unusual Fire and Explosion Hazards:** No unusual fire or explosion hazards. Material can splatter above 212°F (100°C).

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## Section 06 - Accidental Release Measures

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- Person-related Safety Precautions:** Avoid causing dust. Avoid eye and skin contact. Wear protective clothing.
- Methods for Cleaning up:** Use dry cleanup methods that do not disperse dust into the air. With water material hydrates to a solid harmless waste. Wear personal protective equipment. Emergency procedures are not required.

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## Section 07 – Handling and Storage

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- Handling:** Avoid causing dust. Avoid eye and skin contact. Keep out of reach of children.
- Storage:** Store in a cool, dry enclosed area off the ground in tightly closed containers. No special measures required against explosion and fires. Store away from foodstuffs.

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## Section 08 – Exposure Controls / Personal Protection

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- Engineering Controls:** Use with adequate general and local exhaust ventilation. Washing of the skin in the working area must be possible. Eye-wash bottle must be available.
- Respiratory Protection:** Wear a properly fitted NIOSH approved respirator in poorly ventilated areas and/or if high dust concentrations are encountered.
- Skin Protection:** When installing, wear appropriate protective nitril, rubber or latex gloves to prevent hand-skin exposure. Wear appropriate impervious clothing to prevent skin exposure (long sleeve shirt and long pants).
- Eye Protection:** Wear tightly sealed safety glasses with side shields or goggles. Face shield as

**Work/Hygienic Practices:** necessary.  
Wash hands before breaks and after work, and before eating, drinking or smoking.

**Section 09 – Physical and Chemical Properties**

**Physical State:** Powder  
**Appearance/Color:** Cement gray  
**Odor:** Odorless  
**Solubility in water:** Miscible  
**Boiling Point:** Not determined  
**Melting Point:** Not determined  
**Bulk Density:** approx. 1.8 kg/dm<sup>3</sup>  
**pH:** 11 – 13.5  
**VOC Concentration:** 0 g/l

**Section 10 – Stability and Reactivity**

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Avoid contact with humidity. Product hydrates (hardens) and becomes unusable.  
**Hazardous Decomposition Products:** No decomposition if used according to specifications.  
**Hazardous Polymerization:** Will not occur.  
**Incompatibilities:** None known.

**Section 11 – Toxicological Information**

**Acute Inhalation Toxicity:**

<u>Product</u>	<u>Type</u>	<u>Value</u>
Silica, crystalline quartz	LC50	no data available
Portland cement	LC50	no data available

**Acute Oral Toxicity:**

Silica, crystalline quartz	LC50 (Oral)	1,300 mg/kg
Portland cement	LC50 (Oral)	2,000 mg/kg
Calcium hydroxide	LC50 (Oral)	7,340 mg/kg

**Acute Dermal Toxicity**

Silica, crystalline quartz	LC50 (Dermal)	no data available
Portland cement	LC50 (Dermal)	no data available

**Primary Irritant Effect:**

- On the skin: Irritant for skin and mucous membranes
- On the eye: Irritant effect
- Sensitization: No sensitizing effect known.

**Section 12 – Ecological Information**

**Ecological Information:** The unused product is slight water pollutant. Large quantities may be toxic to fish. Do not allow undiluted product or large quantities to reach into waterways or drains.

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### Section 13 – Disposal Considerations

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**Waste Disposal Method:** Dispose of in a manner consistent with Federal, State and Local regulations.

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### Section 14 – Transport Information

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**RCRA Hazard Class:** Non-hazardous.

**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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### Section 15 – Regulatory Information

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**SARA 311/312 (RTK): Hazard Categories:** Acute Health: YES  
Chronic Health: YES

**SARA Section 313 Notification:** This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 or CFR 372.

**CERCLA:** No CERCLA chemicals exist in this product above reportable concentrations.

**California Proposition 65:** Warning – This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm:  
CAS 14808-60-7: Silica, crystalline quartz.

**TSCA Section 12(b) Export Notification:** There are no reportable TSCA 12(b) Chemicals in this product.

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### Section 16 – Other Information

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**DISCLAIMER:** 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**

(March 29, 2010)