

IDENTITY: MORTAR-40

MSDS No. 4.2.10

 Date prepared: **MARCH 2003**
 Date revised: **JANUARY 2011**

MSDS No.4.2.10

Section 01 - Product Identification
IDENTITY: *As Used on Label and List:* **AQUAFIN-MORTAR-40**
Chemical Characterization: **Cement – Preparation**
Product Use Description: **Structural Repair 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.	TLV	PEL	Weight %
Portland Cement	65997-15-1	15 mg/M ³	5 mg/M ³ proprietary	
Calcium Aluminate Cement	65997-16-2	15 mg/M ³	5 mg/M ³ proprietary	
Crystalline Quartz Silica	4808-60-7	10 mg/M ³	.1 mg/M ³ > 20%	
Proprietary Formula Enhancing Additives		15 mg/M ³	5 mg/M ³ proprietary	

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	0
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 immediately physician.

Section 05 – Fire Fighting Measures

Flash Point:	Not combustible.
Autoignition:	N/A (Not Applicable)
Extinguishing Media:	Carbon dioxide (CO ₂), 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).

Section 06 - Accidental Release Measures

Person-related Safety Precautions:	Avoid causing dust. Avoid eye and skin contact.
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.

Section 07 – Handling and Storage

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.

Section 08 – Exposure Controls / Personal Protection

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 rubber or plastic 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 necessary.

Work/Hygienic Practices: 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: < 1.5 g/L
Boiling Point: N/A
Melting Point: N/A
Bulk Density: approx. 1.7 kg/dm³
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

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.

Section 13 – Disposal Considerations

Waste Disposal Method: Dispose of in a manner consistent with federal, state and local regulations.

Section 14 – Transport Information

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.

Section 15 – Regulatory Information

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.

Section 16 – Other Information

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

(January 03, 2010)