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SDS No.4.2.10

**Section 1 – Product Identification**

IDENTITY: *Product Name:* **MORTAR-40-CI**  
*Chemical Characterization:* **Cement – Preparation**  
*Product Use Description:* **Structural repair mortar**

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Recommended use of the chemical and restriction on use: Refer to the product technical data sheet.  
For industrial and professional users.

**Section 2 – Hazards Identification**

**GHS Classification:**

Skin irritation, Category 2  
Serious eye damage, Category 1  
Respiratory system; Category 3  
Carcinogenity, Category 1A  
H315: Causes skin irritation (alkaline when moistened)  
H318: Causes serious eye damage  
H335: May cause respiratory irritation  
H350: May cause cancer

**GHS Label element:**

**Hazard Pictograms**



GHS05



GHS07



GHS08

Signal Word: **Danger**

**Hazard Statements:**

H315: Causes skin irritation (alkaline when moistened).  
H318: Causes serious eye damage.  
H335: May cause respiratory irritation.  
H350: May cause cancer.

**Precautionary Statements:**

**Prevention:**

P264: Wash skin thoroughly after handling.  
P280: Wear eye protection/face protection.  
P280: Wear protective gloves.  
P281: Use protective equipment as required.

**Response:**

P302 + P352: IF ON SKIN: Wash with plenty of water.  
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313: IF exposed or concerned, get medical advice/attention.  
P332 + P313: IF skin irritation occurs, get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

**Storage:**

P403 + P232: Store in a well-ventilated place. Protect from moisture.

**Disposal:**

P501: Dispose of contents/container to an approved waste disposal site.

P502: Refer to manufacturer/supplier for information on recovery/recycling.

**Section 3 – Composition / Information on Ingredients**

<b>Hazardous Components</b>	<b>CAS No.</b>	<b>TLV</b>	<b>PEL</b>	<b>Weight %</b>
Portland Cement	65997-15-1	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	20 - 50
Calcium Aluminate Cement	65997-16-2	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	5 - 20
Crystalline Quartz Silica (SiO <sub>2</sub> )	14808-60-7	0.05 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	30 - 60

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence not require reporting in this section.

**Section 4 – 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.

**Section 5 – Fire Fighting Measures**

**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).

**Section 6 – Accidental Release Measures**

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

**Environmental precautions:** Prevent material from reaching sewage and drainage systems or bodies of water.

**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 7 – 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. Protect against wetness and water. No special measures required against explosion and fires. Store away from foodstuffs.

## Section 8 – 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 9 – Physical and Chemical Properties

**Physical State:** Powder  
**Appearance/Color:** Cement / gray  
**Odor:** Weak, characteristic  
**Solubility in water:** Fully miscible  
**Boiling Point:** N/A  
**Melting Point:** >1,000°C (>1,832°F)  
**Flash Point:** Not combustible  
**Auto ignition:** N/A  
**Bulk Density:** approx. 1.7 kg/dm<sup>3</sup>  
**pH (in water):** 11 – 13.5 (Alkaline)  
**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 in powder form is slight water pollutant. Large quantities may be toxic to fish in small ponds. Does not apply to rivers and oceans. 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. Do not dispose together with household garbage. Do not allow product to reach sewage system.

**Unused Residue or Dry Spillage:** Pick up dry material. Possibly reuse depending on amount of contamination. Prevent dust exposure. In case of disposal, harden with water and dispose in accordance to local regulations.

**Slurries:** Allow to harden and dispose of as described above.

**Container disposal:** Completely emptied packaging can be given for recycling.

## Section 14 – Transport Information

**RCRA Hazard Class:** Non-hazardous

**USDOT (Domestic Surface)** Not regulated

**IMDG (Ocean) Hazard Class or Division:** Not regulated

**IATA/ICAO (Air) Hazard Class or Division:** Not regulated

**TDG (Canada):** Not regulated

**UN Number:** Not listed

### 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.

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

<u>State Regulations:</u>	<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
	MA, NJ, PA	65997-15-1	Cement, Portland, chemicals
	MA, NJ, PA	14808-60-7	Silica, crystalline quartz

**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.

### Section 16 – Other Information

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

**HMIS III rating:**

Health: 2\* Flammability: 0 Physical hazard: 0

**Abbreviations and acronyms:**

USDOT: United States Department of Transportation.  
IMDG: International Maritime Code for Dangerous Goods.  
IATA: International Air Transport Association.  
CAS: Chemical Abstracts Service (Division of the American Chemical Society).  
LC50: Lethal concentration, 50 percent.  
LD50: Lethal dose, 50 percent.

**SDS prepared by:** Aquafin product safety department.

**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. Aquafin shall not be responsible for the use of this product in a manner to infringe on any patent or any other intellectual property rights held by others. User is responsible for determining appropriate safety measures and for applying the legislation covering his own activities. We recommend that user makes tests to determine the suitability of a product for its particular purpose prior to use.

END OF SDS

(February 15, 2019)