

IDENTITY: Pavemend VRTMDate prepared: JULY 2012
Date revised: JANUARY 2019

SDS No. PV.1.5.

Section 1 – Product Identification

IDENTITY: *Product Name:* **Pavemend VRTM**
Chemical Characterization: **Cement – Preparation**
Product Use Description: **Structural Concrete – Rapid Repair V/O Mortar**

AQUAFIN, INC.
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ELKTON, MD 21921info@aquafin.netEmergency Phone No. (800) 394-1410
Information Phone No. (410) 392-2300
www.aquafin.netRecommended 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	H315: Causes skin irritation (alkaline when moistened)
Serious eye damage, Category 1	H318: Causes serious eye damage
Respiratory system; Category 3	H335: May cause respiratory irritation
Carcinogenity, Category 1A	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.

IDENTITY: Pavemend VR^{1M}**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

Hazardous Components	CAS No.	TLV	PEL	Weight %
Proprietary Cementitious	Mixture	10 mg/m ³	5 mg/m ³	15 - 30
Various Oxides ⁽¹⁾	Mixture	10 mg/m ³	5 mg/m ³	20 - 35
Crystalline Quartz Silica (SiO ₂)	14808-60-7	0.05 mg/m ³	0.1 mg/m ³	30 - 65
Calcium Carbonate	1317-65-3	0.05 mg/m ³	0.1 mg/m ³	3 - 15

⁽¹⁾ Oxides may include Al and/or Mg.**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 (CO₂), 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.

IDENTITY: Pavemend VR^{1M}

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: Cementitious / white or grayish white
Odor: Weak, characteristic
Solubility in water: Slightly soluble
Boiling Point: N/A
Melting Point: N/A
Flash Point: Not combustible
Auto ignition: N/A
Bulk Density: approx. 1.63 kg/dm³ @ 68°F (20°C)
pH (in water): 7
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

IDENTITY: Pavemend VR^{1M}**Acute Oral Toxicity:**

Silica, crystalline quartz LC50 (Oral) 1,300 mg/kg

Acute Dermal Toxicity

Silica, crystalline quartz 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. 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.

State Regulations:	State RTK MA, NJ, PA	CAS Number 14808-60-7	Chemical name Silica, crystalline quartz
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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 Personal Protection: B

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.
EC50: Median effective concentration.
RQ: Reportable quantity.

SDS prepared by: Aquafin product safety department.

DISCLAIMER:

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END OF SDS

(January 22, 2019)