AQUABARRIER®

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<table>
<thead>
<tr>
<th><strong>Product Name</strong></th>
<th>AQUABARRIER® PART B</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended use</strong></td>
<td>Cementitious waterproofing coating (For professional use).</td>
</tr>
</tbody>
</table>

**Company Name** \ LATICRETE MIDDLE EAST LLC  
Address \ P.O. Box. 86028, Ras Al Khaimah, United Arab Emirates  
Telephone: +971 7 244 6396

2. HAZARD(s) IDENTIFICATION

**Classification**
- Skin Corr./Irrit. 1C Skin corrosion/irritation
- Eye Dam./Irrit. 1 Serious eye damage/eye irritation
- Skin sensitization, Category 1
- Specific target organ systemic toxicity - single exposure, Category 3, Respiratory system

**Label Element**
- Corrosive
- Harmful
- Health Hazard

**Signal Words**
- Corrosive
- Harmful
- Health Hazard

**Hazard Statement(s)**
- H318 Causes serious eye damage.
- H315 Causes skin irritation.
- H335 May cause respiratory irritation.
- H372 Causes damage to organs (Lung) through prolonged or repeated exposure (inhalation)

**Precautionary Statement(s)**

**Prevention**
- P280 Wear protective gloves and eye/face protection.
- P271 Use only outdoors or in a well-ventilated area.
- P260 Do not breathe dust/gas/mist/ vapours.
- P270 Do not eat, drink or smoke when using this product.
- P264 Wash with plenty of water and soap thoroughly after handling.

**Response**
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
- P362 + P364 Take off contaminated clothing and wash before reuse.

**Storage**
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

**Disposal**
- P501 Dispose of contents/container to hazardous or special waste collection point.

**Other hazards which do not result in classification**
- None known.

**Supplemental information**
- In combination with water, repeated or prolonged dermal exposure can cause moderate to severe alkali burns

**Emergency overview**
- IRRITANT. Irritating to eyes, respiratory system and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS
Name | CAS No | Content (% by wt)  
--- | --- | ---  
Portland cement | 65997-15-1 | 25-50%  
Quartz Powder | 14808-60-7 | 50-70%  

4. FIRST-AID MEASURES

**Inhalation**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

**Skin contact**
Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Get medical attention immediately.

**Eye contact**
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Ingestion**
Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.

**Personal protection for first-aid responders**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Symptoms caused by exposure**
Rash, Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

5. FIRE-FIGHTING MEASURES

**Extinguishing media**
Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO₂).

**Suitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**Unsuitable extinguishing media**
Hazes during fire-fighting: carbon monoxide, carbon dioxide, harmful vapours.

**Specific hazards arising from the chemical**
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire. Product is not combustible or explosive.

**Special protective equipment and precautions for fire fighters**
Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

**Firefighting equipment/instructions**

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

**For non-emergency personnel**

**For emergency responders**
wearing appropriate protective clothing.

**Environmental precautions**
Avoid release to the environment. Do not discharge into drains, water courses or onto
7. HANDLING AND STORAGE

Methods and materials for containment and cleaning up

Large Spills: Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal.

Small Spills: Pick up with suitable appliance and dispose off.

Other issues relating to spills and releases

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS. Clean up in accordance with all applicable regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid dust formation. The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Avoid inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Segregate from metals. Segregate from acids. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Follow standard monitoring procedures.

Cement: Respirable dust 3 mg/m3 TWA - USECHH 2000 65997-15-1 inhalable dust 10 mg/m3 TWA - USECHH 2000

Quartz powder: OSHA PEL TWA value 2.4 millions of particles per cubic foot of air

Respirable ; The exposure limit is calculated from the equation, 250/(%SiO2+5), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits. TWA value 0.1 mg/m3 Respirable ; The exposure limit is calculated from the equation, 10/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits. TWA value 0.3 mg/m3 Total dust ; The exposure limit is calculated from the equation, 30/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.

Occupational exposure limits

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed

Skin protection Hand protection

Wear appropriate chemical resistant gloves.
<table>
<thead>
<tr>
<th>Others</th>
<th>Body protection must be chosen based on level of activity and exposure.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory protection</td>
<td>In case of insufficient ventilation, wear suitable respiratory equipment</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants</td>
</tr>
</tbody>
</table>

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Fine Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>Grey</td>
</tr>
<tr>
<td>Odour</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point/ freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>1</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>No hazardous reactions if stored and handled as prescribed/indicated</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Material is stable under normal conditions</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>The product is stable if stored and handled as prescribed/indicated. Strong bases are formed on the addition of water.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Avoid dust formation. Avoid humidity</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Strong Bases. Strong acids.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>No hazardous decomposition products if stored and handled as prescribed/indicated</td>
</tr>
</tbody>
</table>

### 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information on possible routes of exposure</td>
<td>Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.</td>
</tr>
<tr>
<td>Acute toxicity/ Effects</td>
<td>Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. The product has not been tested. The statement has been derived from the properties of the individual components.</td>
</tr>
<tr>
<td>Oral</td>
<td>No applicable information available</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No applicable information available</td>
</tr>
<tr>
<td>Dermal</td>
<td>No applicable information available</td>
</tr>
<tr>
<td>Assessment other acute effects</td>
<td>Assessment of STOT single: Causes temporary irritation of the respiratory tract</td>
</tr>
<tr>
<td>Assessment of sensitization</td>
<td>There is no evidence of a skin-sensitizing potential. The product has not been tested. The statement has been derived from the properties of the individual components. Chromate in this product has been reduced. Sensitization due to chromate within stated shelf-life is unlikely.</td>
</tr>
<tr>
<td>Sensitization</td>
<td></td>
</tr>
<tr>
<td>Chronic Toxicity /Effects</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Repeated dose toxicity
Assessment of repeated dose toxicity: This product contains crystalline silica (quartz). Prolonged or repeated inhalation of respirable crystalline silica may result in silicosis.

Genetic toxicity
Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available data, the classification criteria are not met.

Reproductive toxicity
Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available data, the classification criteria are not met.

Teratogenicity
Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available data, the classification criteria are not met.

Other Information
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. ECOLOGICAL INFORMATION

Aquatic toxicity
There is a high probability that the product is not acutely harmful to aquatic organisms.

Aquatic
The product gives rise to pH shifts. Based on available data, the classification criteria are not met.

Persistence and degradability
Assessment biodegradation and elimination (H2O) Inorganic product which cannot be eliminated from water by biological purification processes. The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

Bioaccumulative potential
The product will not be readily bioavailable due to its consistency and insolubility in water.

Mobility in soil
The substance will not evaporate into the atmosphere from the water surface. Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Additional information
Other ecotoxicological advice: Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. DISPOSAL CONSIDERATIONS

Disposal methods
Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.

Residual waste
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Completely emptied packaging can be given for recycling.

14. TRANSPORT INFORMATION

ADG
Not classified as a dangerous good under transport regulations

IMDG
Not classified as a dangerous good under transport regulations

IATA/ ICAO
Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

Safety, health and environmental regulations
Followed
Stockholm Convention- Not applicable.
Rotterdam Convention- Not applicable.

National regulations
Kyoto protocol- Not applicable.
Montreal Protocol-Not applicable.
Basel Convention- Not applicable

International regulations
16. OTHER INFORMATION

| Issue date | 18-September-2018 |

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