1. **PRODUCT IDENTIFICATION**

TRADE NAME (as labeled): STONETECH® Restore™ Acidic Cleaner

MANUFACTURER'S/ DISTRIBUTOR'S NAME: LATICRETE South East Asia Pte Ltd
38 Sungei Kadut,
Street 2 (Level2 A3),
Singapore 729245.

Phone number for additional information: (65) 6515 3028

Date prepared or revised: 28/02/2019

2. **COMPOSITION INGREDIENTS**

<table>
<thead>
<tr>
<th>Chemical Names</th>
<th>CAS NUMBERS</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orthophosphoric acid</td>
<td>7664-38-2</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Glycolic acid</td>
<td>79-14-1</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

3. **HEALTH HAZARD INFORMATION**

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects) : N/A

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)

- Inhaled : Causes severe respiratory tract irritation.
- Contact with skin or eyes : Causes severe skin burns and serious eye damage.
- Absorbed through skin : N/A
- Swallowed : Harmful if swallowed.

SUSPECTED CANCER AGENT?

☑ NO: This product's ingredients are not found in the lists.
4. **FIRST AID: EMERGENCY PROCEDURES**

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.

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.

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

Swallowed: 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.

5. **FIRE FIGHTING MEASURES**

Flash Point method: N/A

Auto ignition temperature (°C): N/A

Flammable limits in air, volume %: N/A


Special firefighting procedures: Do not use water jet as an extinguisher, as this will spread the fire. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

Unusual fire and explosion hazards: Fire may produce irritating, corrosive and/or toxic gases.

6. **ACCIDENTAL RELEASE MEASURES**

Spill response procedures (include employee protection measures): Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

7. **HANDLING AND STORAGE**

Precautions for safe handling: Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage: Keep container tightly closed. Store in a cool and well-ventilated place. Store away from incompatible materials.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Ventilation and 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.

Respiratory protection (type): In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection (type): Chemical goggles or safety glasses with side shields. Face-shield.

Gloves (specify material): Use impervious gloves, vinyl or rubber.

Other clothing and equipment: Wear clean, long-sleeved, body-covering clothing.
Work practices, hygienic practices: Maintain good housekeeping standards.

Other handling and storage requirements: N/A

Protective measures during maintenance of contaminated equipment: See above.

9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density: 1.109
Melting point or range, °C: N/A
Boiling point or range, °C: N/A
pH: < 1
Specific gravity: N/A
Flash point: Does not flash.
Solubility in water: N/A
Decomposition temperature: > 200 °C
Vapor pressure, mmHg at 20°C: N/A
Appearance and odor: Colorless liquid, mild odor.

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid: Heat, flames and sparks. Contact with metals. Metals.
Hazardous polymerization: Will not occur
11. **TOXICOLOGY INFORMATION**

Acute toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orthophosphoric acid (CAS 7664-38-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>2740 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>1530 mg/kg</td>
</tr>
</tbody>
</table>

12. **ECOLOGICAL INFORMATION**

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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<tr>
<td>Orthophosphoric acid (CAS 7664-38-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Mosquitofish (Gambusia) 138 mg/l, 96 h</td>
</tr>
</tbody>
</table>

13. **DISPOSAL CONSIDERATIONS**

Dispose in compliance with local, state, and federal regulations.
### 14. TRANSPORT INFORMATION

**DOT**
- **UN number**: UN1760
- **UN proper shipping name**: Corrosive liquids, n.o.s. (Orthophosphoric acid, Glycolic acid)
- **Transport hazard class(es)**
  - **Class**: 8
  - **Subsidiary risk**: -
  - **Label(s)**: 8
  - **Packing group**: II
  - **Environmental hazards**: No
  - **Marine pollutant**: No
  - **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.
  - **Special provisions**: B2, IB2, T11, TP2, TP27
  - **Packaging exceptions**: 154
  - **Packaging non bulk**: 202
  - **Packaging bulk**: 242

**IATA**
- **UN number**: UN1760
- **UN proper shipping name**: Corrosive liquid, n.o.s. (Orthophosphoric acid, Glycolic acid)
- **Transport hazard class(es)**
  - **Class**: 8
  - **Subsidiary risk**: -
  - **Label(s)**: 8
  - **Packing group**: II
  - **Environmental hazards**: No
  - **ERG Code**: 8L
  - **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.

**IMDG**
- **UN number**: UN1760
- **UN proper shipping name**: CORROSIVE LIQUID, N.O.S. (Orthophosphoric acid, Glycolic acid)
- **Transport hazard class(es)**
<table>
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<tr>
<th>Class</th>
<th>8</th>
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</tr>
<tr>
<td>Marine pollutant</td>
<td>No</td>
</tr>
<tr>
<td>EmS</td>
<td>F-A, S-B</td>
</tr>
<tr>
<td>Special precautions for user before handling</td>
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</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

General information: IATA classification is not relevant as the material is not transported by air.

15. **REGULATORY INFORMATION**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

16. **OTHER INFORMATION**

This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.