1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): 226 / 227 Thick Bed Mortar

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: 07/02/2018

2. INGREDIENTS

<table>
<thead>
<tr>
<th>Materials</th>
<th>CAS NUMBERS</th>
<th>Percent</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>OTHER (SPECIFY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>20-25</td>
<td>10mg/m³</td>
<td>50 mppcf</td>
<td>N/A</td>
</tr>
<tr>
<td>Silica Sand</td>
<td>14808-60-7</td>
<td>65-75</td>
<td>N/A</td>
<td>0.1mg/m³</td>
<td>N/A</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade Secret</td>
<td>&lt; 10</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

N/A = Not applicable or available

3. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects): Chronic Bronchitis, possible silicosis, or cancer if exposed to greater than permissible limits for prolonged period of time.

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)

Inhaled: Irritation of nose, cough, labored breathing, expectoration.
Contact with skin or eyes  : Irritation of eyes, skin sensitization.
Absorbed through skin  : N/A
Swallowed  : Expectoration

SUSPECTED CANCER AGENT?

☑ NO: This product's ingredients are not found in the lists.

4. **FIRST AID: EMERGENCY PROCEDURES**

Eye Contact  : Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact  : Promptly wash contaminated skin with soap or mild detergent and water.

Inhaled  : Move the exposed person to fresh air at once.

Swallowed  : If person is conscious, give large quantities of water. After swallowing water, try to get the person to vomit. Get medical attention immediately.

5. **FIRE FIGHTING MEASURES**

Flash Point method  : Not flammable or combustible
Auto ignition temperature (°C)  : N/A
Flammable limits in air, volume %  : Lower (LEL)
Fire extinguishing materials  : Water spray, Carbon dioxide, Foam, Dry chemical
Special fire fighting procedures  : N/A
Unusual fire and explosion hazards  : N/A

6. **ACCIDENTAL RELEASE MEASURES**

Spill response procedures (include employee protection measures): Shovel into pails or drums with covers. Wear appropriate equipment to prevent skin and eye contact; also a dust mask approved by NIOSH.

Preparing wastes for disposal (container types, neutralization, etc.)  : N/A

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.
7. **HANDLING AND STORAGE**

Store in cool dry area.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- Ventilation and engineering controls: N/A
- Respiratory protection (type): A NIOSH approved dust mask if TLV is exceeded
- Eye protection (type): Chemical goggles or safety glasses
- Gloves (specify material): Use impervious gloves, vinyl or rubber
- Other clothing and equipment: Use appropriate clothing to prevent skin contact. Barrier creams will assist in protecting the skin from contamination.
- Work practices, hygienic practices: Familiarize the employees with the special handling procedures in this section; also encourage prompt removal of contaminated clothing and washing of contaminated areas.

Other handling and storage requirements: N/A

Protective measures during maintenance of contaminated equipment: See above.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

- Vapor density (air=1): N/A
- Melting point or range, °C: N/A
- Specific gravity: 1.28
- Boiling point or range, °C: N/A
- Solubility in water: Insoluble
- Evaporation rate (butyl acetate = 1): N/A
- Vapor pressure, mmHg at 20°C: N/A
- Appearance and odor: Grey or white odorless powder.
HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist)

10. **STABILITY AND REACTIVITY**

Stability : Stable

Conditions to avoid : Keep dry until used.

Incompatibility (materials to avoid) : N/A

Hazardous decomposition products : (from burning, heating, or reaction with other materials). N/A

Hazardous polymerization : Will not occur

Conditions to avoid : N/A

11. **TOXICOLOGY INFORMATION**

N/A

12. **ECOLOGICAL INFORMATION**

N/A

13. **DISPOSAL CONSIDERATIONS**

Dispose in compliance with local, state, and federal regulations.

14. **TRANSPORT INFORMATION**

No special labeling or transportation placarding is required.

15. **REGULATORY INFORMATION**

Not classified as dangerous under current regulation.

16. **OTHER INFORMATION**

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