1. **PRODUCT IDENTIFICATION**

TRADE NAME (as labeled): 316 Cementitious Adhesive

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: 07/02/2019

2. **COMPOSITION INGREDIENTS**

<table>
<thead>
<tr>
<th>CHEMICAL NAMES</th>
<th>CAS NUMBERS</th>
<th>PERCENT</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>30 - 35</td>
<td>10 mg/m³</td>
<td>50 mppcf</td>
</tr>
<tr>
<td>Silica Sand</td>
<td>14808-60-7</td>
<td>55 - 65</td>
<td>N/A</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>Additives</td>
<td>Trade secret</td>
<td>&lt;10</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 a 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 MEASURES

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 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 a 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 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

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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