1. **PRODUCT IDENTIFICATION**

TRADE NAME (as labeled): 328 Flexible 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: 07/02/2018

2. **COMPOSITION INGREDIENTS**

<table>
<thead>
<tr>
<th>CHEMICAL NAMES</th>
<th>CAS NUMBERS</th>
<th>PERCENT</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>OTHER (SPECIFY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>35-40</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Silica Sand</td>
<td>14808-60-7</td>
<td>45-50</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Kaolin</td>
<td>1332-58-7</td>
<td>&lt;5</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Additives</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 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: 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 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 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**

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.