1. **PRODUCT IDENTIFICATION**

TRADE NAME (as labeled) : 328R Rapid 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: 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>Silica Sand</td>
<td>14808-60-7</td>
<td>40 - 50</td>
</tr>
<tr>
<td>High Alumina Cement</td>
<td>65997-16-2</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>471-34-1</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Additives</td>
<td>Trade Secret</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

3. **HEALTH HAZARD INFORMATION**

![Hazard Symbols]

[Image of hazard symbols]
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**

Stored 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
- **Glove (specify material)**: Use impervious gloves, vinyl or rubber
- **Other clothing and equipment**: Use appropriate clothing to prevent skin contact. Barrier cream will assist in protecting the skin from contamination

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 : 1.2-1.3
Boiling point or range, °C : N/A
Solubility in water : insoluble
Evaporation rate (butyl acetate = 1) : N/A
Vapour pressure, mmHg at 20 °C : N/A
Appearance and odour : Grey or White odourless powder

10. **STABILITY AND REACTIVITY**

Stability : Stable
Conditions to avoid : Keep dry until used
Incompatibility : 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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