

## Safety Data Sheet

Effective date: July 1, 2012

Print date: August 16th, 2013

### 1. CHEMICAL NAME AND COMPANY NAME

CHEMICAL PRODUCT NAME Three Bond 1322  
Anaerobic Adhesive & Sealant

NAME OF MANUFACTURER Three Bond Singapore Pte Ltd  
5, Joo Koon Crescent,  
Jurong, Singapore 629009

AUSTRALIA BRANCH: 2/38 JELICO DR, SCORESBY, VIC 3179 PHONE NO: 039753 2522 FAX NO: 03 9753 2566  
AUSTRALIA MANAGER: WESLEY MALLET AFTER HOURS CONTACT NO: 0417 350 027

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

|                             |         |
|-----------------------------|---------|
| SUBSTANCE/MIXTURE           | Mixture |
| COMPOSITION                 | Wt., %  |
| · Dibutyl phthalate         | <10     |
| · Methacrylic ester, others | >90     |
| Total                       | 100     |

### 3. HAZARDS IDENTIFICATION

#### CLASSIFICATION

UN Classification Not applicable  
UN Number Not applicable

#### PHYSICAL AND CHEMICAL HAZARDS

No applicable classification. Reacts upon contact with metal or when exposure to oxygen is blocked.

#### ADVERSE HUMAN HEALTH EFFECTS

Irritates skin. Contact could cause skin inflammation.

### 4. FIRST AID MEASURES

#### EYE CONTACT

Flush eyes with water for at least 15 minutes. Then immediately consult eye physician.

#### SKIN CONTACT

Immediately remove contaminated clothes, shoes, etc. Wash off well with soap and water. If skin appears unusual or pain persists, immediately seek medical treatment.

#### INHALATION

Remove to fresh air. Then in case of poisoning emergency, calm down victim, keep warm and seek medical treatment.

#### INGESTION

Rinse Mouth well in water. Then, immediately seek medical treatment.

### 5. FIRE FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Dry powder, CO<sub>2</sub>, foam, dry sand.

#### SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES

No known hazards at this moment.

#### SPECIFIC METHODS/PROTECTION OF FIRE FIGHTERS

In case of a small fire, use dry powder, carbon dioxide gas, foam, etc. In case of a large fire, use foam extinguisher to remove air.

### 6. ACCIDENTAL RELEASE MEASURES

In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc., then place in a sealable container. Wash remainder with plenty of water.

In case of large spills, dike and prevent overflow. Guide to a safe place then dispose properly.

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### 7. HANDLING AND STORAGE

#### HANDLING

To prevent contact and inhalation, wear appropriate protective equipment.  
 Avoid contact with eye, skin, mucous membrane and clothes.  
 Do not handle near fire, static electric, sparks or other sources of ignition.  
 After handling, wash hands and face well.

#### STORAGE

Avoid direct sunlight and keep away from high temperature materials.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

#### CONTROL PARAMETERS

|                   |                   | PEL Singapore (1997) |                 |
|-------------------|-------------------|----------------------|-----------------|
|                   |                   | Long Term            | Short Term      |
| Dibutyl phthalate | mg/m <sup>3</sup> | 5                    | --              |
| Methacrylic ester | ppm               | Not established      | Not established |

If handling this product in an enclosed area, use a closed circulating mechanical ventilating system.  
 Place safety shower, hand-washing sink and eye bath near work area and clearly marked.

#### PERSONAL PROTECTION EQUIPMENT

##### RESPIRATORY PROTECTION

Wear mask that prevents organic gas or mask.

##### EYE PROTECTION

Goggles.

##### HAND, SKIN AND BODY PROTECTION

Wear solvent resistant or other impervious gloves.

Wear apron, boots, etc., as appropriate. Do not work with short sleeve shirt.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                |            |
|------------------------------------------------|------------|
| APPEARANCE, PHYSICAL STATE, FORM, COLOR, ODOUR | Red Liquid |
| SPECIFIC GRAVITY                               | 1.11       |
| BOILING POINT                                  | No data    |
| MELTING POINT                                  | No data    |
| VAPOR DENSITY                                  | No data    |
| EVAPORATION RATE                               | No data    |
| SOLUBILITY IN WATER                            | Insoluble  |

### 10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

|                           |                                 |
|---------------------------|---------------------------------|
| FLASHPOINT                | 106°C                           |
| AUTO IGNITION TEMPERATURE | Over 200°C                      |
| EXPLOSION LIMIT           | No data available at this time. |

### 11. TOXICOLOGICAL INFORMATION

| Ingredient        | LD <sub>50</sub> mg/kg (Oral rat) | Remarks |
|-------------------|-----------------------------------|---------|
| Dibutyl phthalate | 8000                              |         |

- No safety test for this product has been performed.

### 12. ECOLOGICAL CONSIDERATIONS

| Ingredient        | 1 og POW (Octanol/Moisture Distribution Coefficient) |
|-------------------|------------------------------------------------------|
| Dibutyl phthalate | 4.72                                                 |

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### 13. DISPOSAL CONSIDERATIONS

- To dispose product, solicit waste disposal management experts.
- Handle used container and cloth same as above.
- Incineration may product poisonous gases for example, carbon monoxide.
- See 10. Physical Hazard (Stability and Reactivity). Take appropriate safety precautions.

### 14. TRANSPORT INFORMATION

Flammable.

Make sure that there are no leaks or damage to the container and the load should not drop to cause damage. Make sure not to drop a load.

Others. See 7. Handling and Precautions.

### 15. REGULATORY INFORMATION

Handle in accordance with applicable laws and regulations.

### 16. OTHER INFORMATION

- Portions of the above evaluation of dangerous and harmful effects may be insufficient, please perform adequate investigation.
- The content in this report is based on information, which was available as of the effective date, but Three Bond Singapore Pte Ltd and its affiliates are not responsible for guaranteeing the above data and evaluations. The above data assumes usage under normal working conditions. In case special handling is required, please handle with suitable safety measures according to the application and usage.
- The content in this report may change due to new evaluation and tests, etc.