

## Safety Data Sheet

Effective date: May 19, 2011  
Print date: February 10th, 2012

### 1. CHEMICAL NAME AND COMPANY NAME

CHEMICAL PRODUCT NAME Three Bond 1401C  
Agent for Preventing Screw Loosening,  
Leaks & Rust

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

AUSTRALIA BRANCH: 2/38 JELICO DR, SCORESBY, VIC 3179 PHONE NO: 03 9753 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., %
· Methyl alcohol	60 ~ 70
· Modified vinyl acetate resin	25 ~ 35
· Toluene, others	<u>2 ~ 5</u>
Total	100

### 3. HAZARDS IDENTIFICATION

CLASSIFICATION  
UN Classification Flammable Liquid (Class 3)  
UN Number 1133

#### PHYSICAL AND CHEMICAL HAZARDS

Flammable liquid. Acute toxic substance. Explosion hazard upon mixture with air.

#### ADVERSE HUMAN HEALTH EFFECTS

Affects central nervous system; causes headache, nausea, vomiting and dizziness.  
May lose consciousness. Blindness may occur.

### 4. FIRST AID MEASURES

#### EYE CONTACT

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

While flushing eye, pull back eyelid using fingers to expose eyeball to the water as much as possible.

#### SKIN CONTACT

Immediately remove contaminated clothes, shoes, etc. Wash off well with soap and water.

#### 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, carbon dioxide, foam and dry sand.

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

No known hazards.

#### 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.

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### 6. ACCIDENTAL RELEASE MEASURES

In case of a small fire 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.

### 7. HANDLING AND STORAGE

#### HANDLING

Do not handle near fire, static electric, sparks or other sources of ignition.

After handling, wash hands and face before taking breaks, using rest rooms, etc.

#### STORAGE

In addition the above, avoid direct sunlight and keep away from high temperature materials.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

#### CONTROL PARAMETERS

PEL, Singapore (1997)

		Short Term	Long Term
Modified vinyl acetate	ppm	15	10
Toluene	ppm	---	50
Methyl alcohol	ppm	250	200

#### ENGINEERING MEASURES

When handling this product, use ventilation equipment if possible.

#### PERSONAL PROTECTION EQUIPMENT

##### RESPIRATORY PROTECTION

Mask that prevents organic gas or mask.

##### EYE PROTECTION

Goggles or regular glasses with side shields.

##### HAND, SKIN AND BODY PROTECTION

Wear rubber, 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, COLOUR, ODOUR	Red transparent liquid
SPECIFIC GRAVITY	0.89
BOILING POINT	No data available at this time.
MELTING POINT	No data available at this time.
VAPOUR PRESSURE	No data available at this time.
SOLUBILITY IN WATER	Methanol is soluble in water.

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

FLASHPOINT	9°C (closed cup)
AUTO IGNITION TEMPERATURE	Over 200°C
EXPLOSION LIMIT	1.3% (Toluene) ~ 35.6% (Methanol)
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide

### 11. TOXICOLOGICAL INFORMATION

Ingredient	LD <sub>50</sub> mg/kg (Oral rat)	Remarks
Methanol	5628	
Toluene	5000	

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### 12. ECOLOGICAL CONSIDERATIONS

Ingredient	1log POW (Octanol/Water Distribution Coefficient)
Methanol	-0.82, -0.66
Toluene	2.69

### 13. DISPOSAL CONSIDERATIONS

Incinerate unhardened product. Bury hardened product.  
Handle in accordance with 7. Handling and Storage

### 14. TRANSPORT INFORMATION

In addition to handling in accordance with 7. Handling and Storage, use same general precaution as flammable liquids. Take appropriate precaution against ignition.

### 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.