

Safety Data Sheet

Effective Date: September 6, 2007
Print Date: March 28th, 2008

1. CHEMICAL NAME AND COMPANY NAME

CHEMICAL PRODUCT NAME Three Bond 1521
Synthetic Rubber Adhesive
NAME OF MANUFACTURER Three Bond Co., Ltd
Administrative Department
Material Research Division
1456, Hazama-cho, Hachioji-shi
Tokyo, Japan

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

2. COMPOSITION/ INFORMATION ON INGREDIENTS

SUBSTANCE/ MIXTURE	Mixture
COMPOSITION	Wt %
• Toluene	30 ~ 40
• Chloroprene synthetic rubber, alkyl phenol resin ,others	20 ~ 30
• Normal hexane	20 ~ 30
• Ethyl acetate	<u>10 ~ 20</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

Headache, nausea, vomiting and dizziness may occur.

4. FIRST AID MEASURES

EYE CONTACT

Flush eyes with water for at least 15 minutes. Then immediately consult a physician. While flushing eye, pull back eyelids using fingers to expose eyeball to the water as much as possible.

SKIN CONTACT

Immediately remove contaminated clothes, shoes, etc. Wash off product with soap & water.

INHALATION

Move victim to fresh air. In the case of poisoning emergency, calm victim down, keep him 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 at this moment.

SPECIFIC METHODS/ PROTECTION OF FIRE FIGHTERS

In the case of a small fire, use dry powder, carbon dioxide gas, foam, etc.

In the case of a large fire, use foam extinguisher to remove air.

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6. ACCIDENTAL RELEASE MEASURES

In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc., and then place the material in a seal-able container. Wash affected area with plenty of water.

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

7. HANDLING AND STORAGE

HANDLING

- Do not handle near fire, static electricity, sparks and other sources of ignition
- Prevent leakage
- To prevent contact and inhalation, wear appropriate protective equipment.

STORAGE

- In addition to 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
Toluene	ppm	--	50
Normal hexane	ppm	--	50
Ethyl acetate	ppm	--	400

ENGINEERING MEASURES

If handling this product in an enclosed area, use a closed circulating mechanical ventilation system.

Place safety shower, hand washing sink and eye bath near work area and clearly marked.

PERSONAL PROTECTION EQUIPMENT

RESPIRATORY PROTECTION

Mask which shields organic gas.

EYE PROTECTION

Wear 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, COLOUR, ODOUR, PHYSICAL STATE	Brown liquid
SPECIFIC GRAVITY	0.88
BOILING POINT	No data
MELTING POINT	No data
VAPOR PRESSURE	No data
SOLUBILITY IN WATER	Insoluble

10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

FLASH POINT	-20°C
AUTOIGNITION TEMPERATURE	Over 200°C
EXPLOSIVE LIMIT	1.1% (Normal hexane) ~ 11.5% (Ethyl acetate)
CONDITIONS TO AVOID	No data available at this time
HAZARDOUS DECOMPOSITION PRODUCTS	No data available at this time

11. TOXICOLOGICAL INFORMATION

Ingredient	LD ₅₀ mg/kg (Oral rat)	Remarks
Toluene	5000	
Normal hexane	28710	
Ethyl acetate	11000	

*No safety test has been performed on this product.

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12. ECOLOGICAL CONSIDERATIONS

Ingredient	log POW (Octanol/ Water Distribution Coefficient)
Toluene	2.69
Normal hexane	3.90
Ethyl acetate	No data available at this time

13. DISPOSAL CONSIDERATIONS

To dispose product incinerate. Bury hardened product. Handle in accordance with 7. Handling and Storage.

14. TRANSPORT INFORMATION

Handle in accordance to 7. Handling and Storage.

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 contents in this report are based on information, which was available as of the effective date, but Three Bond Co., 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 contents in this report may change due to new evaluation and tests etc.