ThreeBond

Safety Data Sheet

Effective Date: July 1, 2012
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1. CHEMICAL NAME AND COMPANY NAME

CHEMICAL PRODUCT NAME	Three Bond 1342 Anaerobic Adhesive & Sealant
NAME OF MANUFACTURER	Three Bond Co., Ltd Administrative Department Material Research Division 1456, Hazama-cho, Hachioji-shi Tokyo, Japan

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AUSTRALIA MANAGER: WESLEY MALLETT AFTER HOURS CONTACT NO: 0417 350 027

2. COMPOSITION/ INFORMATION ON INGREDIENTS

SUBSTANCE/ MIXTURE	Mixture
COMPOSITION	Wt %
Di 2-ethyl hexyl phthalate	25 ~ 35
Methacrylic ester, Others	65 ~ 75
Total	100

3. HAZARDS IDENTIFICATION

CLASSIFICATION

UN Classification	Not Applicable
UN Number	Not Applicable

PHYSICAL AND CHEMICAL HAZARDS

No applicable classification. Reacts upon heat, metal & exposure to oxygen is shut out.

ADVERSE HUMAN HEATH EFFECTS

Contains Di 2-ethyl hexyl phthalate, contact could cause skin inflammation.

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 to expose eyeball to the water as much as possible.

SKIN CONTACT

Immediately remove contaminated clothes, shoes, etc. Wash off product from affected area with soap and 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.

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment. Avoid contact and inhalation. Work should be perform upwind. Ignition sources should be quickly removed. In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc., 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

- When handling this product, use a closed circulating mechanical ventilating system.
- Avoid contact with eye, skin, mucous membrane and clothes
- Do not handle near fire, static electricity, sparks or other sources of ignition.
- After handling, wash hands and face before taking breaks, using restroom, etc.

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)	
		Long term	Short term
Di 2-ethyl hexyl phthalate	ppm	NE	NE

ENGINEERING MEASURES

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

PERSONAL PROTECTION EQUIPMENT

RESPIRATORY PROTECTION

Wear mask, which prevents organic gas poisoning.

EYE PROTECTION

Goggles or regular glasses with side shields.

HAND, SKIN AND BODY PROTECTION

Wear solvent resistant, 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	Blue liquid
SPECIFIC GRAVITY	1.06
BOILING POINT	No data
MELTING POINT	No data
VAPOR PRESSURE	No data
SOLUBILITY IN WATER	Insoluble

10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

FLASH POINT	Non-flammable, hardened during testing no flash point measured using Cleveland open cup method. It is possible that at least one raw material has a flash point over 100°C
AUTOIGNITION TEMPERATURE	Over 200°C
EXPLOSIVE LIMIT	No data available at this time.
CONDITIONS/ MATERIALS TO AVOID	No data available at this time.
HAZARDOUS/DECOMPOSITION MATERIALS	No data available at this time.

11. TOXICOLOGICAL INFORMATION

Ingredient	LD_{50} mg/kg (Oral rat)	Remarks
Di-2ethylhexyl phthalate	30600	IRAC: 2B

*No safety test has been performed on this product.

12. ECOLOGICAL CONSIDERATIONS

Ingredient	log POW (Octanol/Moisture Distribution Coefficient)
Di-2-ethyhexyl phthalate	3.98

13. DISPOSAL CONSIDERATIONS

To dispose product, solicit waste disposal management experts. Handle used container and cloth as above. Poisonous gas may be produce when incinerate. See 10. Physical Hazard (Stability and Reactivity). Take appropriate safety precautions.

14. TRANSPORT INFORMATION

Flammable. Make sure there is no leak or damage to the container and be sure not to break a load.
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.