

MATERIAL SAFETY DATA SHEET

1. PRODUCTS AND COMPANY IDENTIFICATION

Manufacturer's Name : Taiwan First Li-Bond Co., LTD.

Address : No.13 Chung Cheng Rd. Min Hsiung Industrial Area Chia-Yi Taiwan R.O.C.

Emergency Telephone No : 886-5-221-8801. **Fax No :** 886-5-221-8803

Trade Name And Synonyms: Li-Bond 1467

2. HAZARDS IDENTIFICATION

Threshold limit value : Not Available

Effects of overexposure :

Irritation of eyes, Nose and throat, Drying of skin, headache, Dizziness, Fatigue , Nausea.

High exposure-narcosis



3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS NO.</u>	<u>wt. %</u>
Toluene	108-88-3	20 ~ 30
N-Hexane	110-54-3	25 ~ 35
Acetone	67-64-1	15 ~ 20
Polychloroprene rubber	126-99-8	10 ~ 15
Phenol resin	9003-35-4	5 ~ 10

4. FIRST AID MEASURES

EYES: DO NOT RUB EYES. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.

SKIN: Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persists, seek medical attention as needed.

INHALATION: Remove to fresh air.

INGESTION: Give large amounts of water and milk to drink. Seek medical attention if necessary. Induce vomiting only upon advice from a physician.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry chemical, carbon dioxide or fine water spray

Special Fire Fighting Procedures: Air mask

Unusual Fire and Explosion Hazards: none

Ignition point : 260°C (N-Hexane)

Flammable limits: LEL. 0.8 Vol% (N-Hexane) ,UEL.12.8 Vol% (Acetone)

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled :

Extinguish all sparks and flames. Provide good ventilation.
Avoid breathing of vapors. Allow solvents to evaporate or cover
with extinguisher foam. Scrape up with plastic scraper.

Waste disposal method :

Regulatory information with regard to this substance in your country or
in your region should be examined by your own responsibility.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storing :

Store in cool location (15~25°C) away from sunlight, other sources
of heat, sparks, flame. Keep container tightly closed when not in use.

Other precautions:

Use with adequate ventilation. Avoid skin contact. Avoid prolonged or
repeated breathing of vapors. Use in area free from sparks and flame.

This information herein is given in good faith, but no warranty, express or implied, is made.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection (Specify type) : In areas of poor ventilation = Air supplied mask
Ventilation :

Local exhaust: Preferred

Mechanical area wide ventilation is acceptable

Protection gloves : Plastic gloves

Eye protection : Safety glasses or face shield

Other protective equipment : Safety shower and eye bath

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Color : Light yellow

Odor: Solvent-like

Boiling points : 56.1°C

Vapor pressure: N.A

Specific gravity: Approx. 0.9 at 20°C.

Solubility in water: Non-Soluble

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION:

CONDITIONS TO AVOID: Keep away from heat, sparks and open flames.

STABILITY: This material is stable under normal handling and storage conditions.

POLYMERIZATION: Will not occur

INCOMPATIBLE MATERIALS: Avoid contact with water.

11. TOXICOLOGICAL INFORMATION

<u>Chemical Name</u>	<u>TWA</u>	<u>STEL</u>
Toluene	50 ppm	750 ppm
N-Hexane	50 ppm	75 ppm

Acute oral toxicity: LD₅₀: 7.53 g/Kg (Toluene)

LD₅₀: 3000 mg/Kg (Acetone)

Concentration: TLV-TWA: 750ppm, 1780mg/m³(Acetone)

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available

GENERAL COMMENTS: Dispose of wastes in a manner consistent with federal, state, and local regulations.

13. DISPOSAL CONSIDERATIONS

Dispose of according to regulations.

14. TRANSPORT INFORMATION

Class: 3.2 (Flammable Liquid)

UN No: 1133 (adhesives)

15. REGULATORY INFORMATION

Fire precaution rule

16. OTHER INFORMATION

1.Handbook of Toxic and Hazardous Chemicals and Carcinogens

2.Hazardous Substances Data Bank (HSDB)