

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
Telephone Number	886-5-221-8801
Fax Number	886-5-221-8803
Trade Name And Synonyms:	Hot melt adhesive LI-BOND 1161
Chemical name	Polyolefin Copolymer

2 · Health hazard data

Hazard category : None
Health Effects: The vapor may cause eye, nose and throat irritation.
Environment: No information is available
Physical and chemical hazard: No information is available
Special hazard: The melting adhesive may attach on the skin.
Main symptoms : No information is available
Contents of indication : None

3 · Composition / information on ingredients

Chemical feature : thermal plastic		
ELEMENTS	Ratio (%)	CAS No.
ETHYLENE VINYL ACETATE	60~80%	24937-78-8
POLYETHYLENE	5~20%	9002-88-4
TACKIFIERS	15~30%	69430-35-9
ANTIOXIDANT	0.1~2%	6683-19-8 , 31570-04-4

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	If skin contact at application temperature, immediately immerse contacted area in cold water to reduce temperature and relieve pain. Do not attempt to peel adhesive from skin seek medical attention as needed.
INHALATION	Remove to fresh air place
INGESTION	N.A

5 · Fire and explosion data

Extinguishing Media: Carbon. Dioxide. Dry Chemical. Chemical Foam.
Special Fire Fighting Procedures: Air mask.
Unusual Fire and explosion hazards: None

6 · Accidental release measures

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

Do not touch the melt until the spilled material cools down to room temperature
Then the cold material is easily to be scrapped up.

Waste disposal method:

Disposal of in accordance with Federal, State and local anti-pollution regulation.

7 · Handling and storage

Handling : No harm at the room temperature.

Storage : Store in cool, dry place. To prevent trash, impurities, water in the carton or bag when it was open.

8 · Exposure controls /personal protection

Respiratory protection	Not normally required
Protection gloves	Use cotton gloves. Use thermal resistant gloves
Eye protection	Safety goggles or face shield
Other protective equipment	Overalls with long sleeves, safety shoes, aprons

9 · Physical data

Appearance : Solid	PH value : N.D.
Color : White translucent	Solubility in water: Insoluble
Form : Stick	Soft point : 90°C
Flash point : above 200°C (closed)	Vapor pressure: N.A
Spontaneous Temperature : N.A	Specific Gravity : (water=1) about 0.95

10 · Stability and reactivity

Stability	This material is stable under normal handling and storage conditions.
Reactivity	Heating temperature exceeds 200 °C, easy to make polymer physical deterioration, the viscosity rise, and thus change its Features

11 · Toxicological information

Skin information: no information is available.
Eye irritation: no information is available.
Sensitization: no information is available.

12 · Ecological information

BIODEGRADATION: Not applicable.
BIOACCUMULATION: No information is available.
AQUATIC TOXICITY: No information is available.
OTHER INFORMATION: None

13 · Disposal considerations

Can be land filled for cured product or burned in a chemical incinerator equipped with an afterburner and scrubber.
Do not dispose the emptied container unlawfully.
Observe all federal, state, and local laws.

14 · Transport information

DOT HAZARD CLASS: N.A
DOT HAZARD MATERIALS: N.A
UN/UA: N.A
EMERGENCY RESPONSE GUIDE NUMBER: N.A

15 · Regulatory information

Fire precaution rule

16 · Other information

Reference :Hazardous chemical substances in Chinese database, EPA	
Organization that prepared the MSDS	Address/telephone number : No.13 Chung Cheng Rd. Min Hsiung Industrial Area Chia-Yi Taiwan R.O.C
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Schedule person	R&D S.L. Lo
Date that the MSDS was prepared	2013.6.7