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Version 1

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

Product name ThreeBond 1121

### Recommended use of the chemical and restrictions on use

Recommended use Adhesive, Sealant

### Details of the supplier of the safety data sheet

#### Manufacturer

ThreeBond Fine Chemical Co., Ltd.

#### Department in charge & Address

Production Engineering Division  
1-1 Oyama-cho, Midori-ku  
Sagamihara-shi, Kanagawa, Japan

### Emergency telephone number

+81-42-774-1333

## Section 2: HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

Signal word None

### Hazard statements

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Single substance or mixture

Mixture

Effective June 1, 2016, regarding Japan's Industrial Safety and Health Law's "Notifiable Dangerous and Harmful", target substances will be subjected to risk assessment in accordance with Japan's Industrial Safety and Health Law's "Harmful Substances Whose Names Are to be Indicated on the Label."

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Chemical name	Weight-%	ENCS	ISHL No.	CAS No.
Rosin	<1	(7)-935	-	8050-09-7
Alkyd rein, Inorganic filler, Hydrocarbon polymer	95<	-	-	-

### Industrial Safety and Health Law

Law Name	Chemical Name in Regulation	Ordinance Number
Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Attached Table No.9)	Rosin	632

**Section 4: FIRST AID MEASURES**

<b>INHALATION</b>	Remove to fresh air. Seek immediate medical attention/advice.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Seek immediate medical attention/advice.
<b>INGESTION</b>	Rinse mouth. Get medical attention.

**Section 5: FIRE FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Water spray (fog) Carbon dioxide (CO2) Extinguishing powder Alcohol resistant foam Sand
<b>Specific hazards arising from the chemical</b>	May generate irritate, harmful gas.
<b>Special extinguishing media</b>	Wear protection gear and extinguish from windward.

**Section 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Wear appropriate protection gear (Refer to Section 8) and avoid eye and skin contact.
<b>Environmental precautions</b>	Keep out of waterways. Avoid release to the environment.
<b>Methods for containment</b>	In case of small spill, absorb the spill in dry sand, soil or cloth and keep in closed container. In case of large spill, surround the spill by bank to prevent from leakage, and collect the spill after it is moved to safety place.
<b>Prevention of secondary hazards</b>	Keep ignition source away from spill.

**Section 7: HANDLING AND STORAGE**

<b>Handling</b>	
<b>Precautions for safe handling</b>	
<b>Advice on safe handling</b>	Take equipment measures listed in Section 8. Wear protection gear.
<b>Local and general ventilation</b>	Take equipment measures listed in Section 8. Wear protection gear.
<b>Storage</b>	
<b>Storage conditions</b>	Close lid. Avoid direct sun light and ignition source. Keep appropriate temperature.
<b>Material of vessels and packaging</b>	Keep this product in original container. Do not put it back in the container.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure guidelines

**Engineering controls** Install local ventilation or seal source of substances. Install safety shower, hand wash, and eye wash station. Clearly indicate the location.

### Personal protective equipment

- ☐ **Respiratory protection** In case of inadequate ventilation wear respiratory protection
- ☐ **Hand protection** Wear appropriate protection glove (Made from non-permeable material such as polyethylene, rubber)
- ☐ **Eye/face protection** Wear safety glasses with side shields (or goggles)
- ☐ **Skin and body protection** Wear protection apron, protection boots. Wear long sleeve cloth.

**Other information** Wash hands thoroughly after handling. When using do not eat, drink or smoke.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical state** Paste  
**Odor** Distinct odor  
**Color** Gray

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	No data available	
Melting point/freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	198 °C	
Evaporation rate	No data available	
Flammability (solid, gas)		
Flammability limit in air		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Specific gravity	1.45	
Water solubility	Slightly soluble	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Dynamic viscosity	400 Pa·s	

## Section 10: STABILITY AND REACTIVITY

**Stability** Stable under normal conditions.

**Possibility of hazardous reactions** React with strong acid. Could cause fire.

**Conditions to avoid** Heat

**Incompatible materials** No information available.

**Hazardous decomposition products** May generate harmful gas by incineration

## Section 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

**Inhalation LC50** No data available as this product.

## Numerical measures of toxicity - Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Rosin	= 7600 mg/kg ( Rat ) = 3 mg/kg ( Rat )	> 2500 mg/kg ( Rabbit )	= 1.5 mg/L ( Rat ) 4 h

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No data available as this product.
Serious eye damage/eye irritation	No data available as this product.
Sensitization	No data available as this product.
Germ cell mutagenicity	No data available as this product.
Carcinogenicity	No data available as this product.
Reproductive toxicity	No data available as this product.
STOT - single exposure	No data available as this product.
STOT - repeated exposure	No data available as this product.
Aspiration hazard	No data available as this product.

## Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	
Acute aquatic hazard	No data available as this product.
Chronic aquatic hazard	No data available as this product.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Rosin	400: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	-	3.8 - 5.4: 48 h <i>Daphnia magna</i> mg/L EC50

Persistence and degradability	No data available as this product.
Bioaccumulation	No data available as this product.
Mobility in soil	No data available as this product.
Endocrine disruptor information	No data available as this product.

## Section 13: DISPOSAL CONSIDERATIONS

Waste from residues / unused products	Dispose of in accordance with national, state and local regulations. Consult industrial waste management companies for waste. Do not release this product to natural environment nor reclaim.
Contaminated packaging	Dispose containers as same as residual of this product.

**Section 14: TRANSPORT INFORMATION**

IMDG Not regulated

ICAO/IATA (air) Not regulated

ADR Not regulated

Japanese regulations

**Marine Transportation Safety Act** Not applicable

**Civil Aeronautics Act** Not applicable

**Section 15: REGULATORY INFORMATION**

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Fire protection law criteria Non-hazardous material

Industrial Safety and Health Law Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Attached Table No.9)

**Section 16: OTHER INFORMATION**

**Issue date** 29-Jul-2014

**Other information** Please contact to local sales offices for further information.

**Disclaimer**

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