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Version 1

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

**Product name** ThreeBond 1207B

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

**Recommended use** Adhesive, Sealant

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

#### Manufacturer

ThreeBond Singapore Pte.Ltd

#### Department in charge & Address

Australia branch

Factory : 2/38 Jellico dve Scoresby

3179 Melbourne Victoria Australia

Tel : 61-3-9753-2522

Fax : 61-3-9753-2566

### Emergency telephone number

Tel : 0417-350-027 (Mr.Wesley Mallett)

## Section 2: HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Flammable liquids	Category 3
Reproductive Toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Category 1 lung	

### Label elements



Signal word

Danger

### Hazard statements

H226 - Flammable liquid and vapor

H361 - Suspected of damaging fertility or the unborn child

H372 - Causes damage to organs through prolonged or repeated exposure

Causes damage to the following organs through prolonged or repeated exposure: lung.

### Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product

### Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/attention

### Precautionary Statements - Storage

- Store locked up

**Precautionary Statements - Disposal**

- Dispose of contents/container to an approved waste disposal plant

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****Single substance or mixture**

Mixture

Acetone is generated during curing reaction.

Chemical name	Weight-%	ENCS	ISHL No.	CAS No.
Silicone resin	85-95	-	-	-
Carbon black	5-15	(5)-3328,(5)-5222	-	1333-86-4
Acetone	-	(2)-542	-	67-64-1

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."

**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)	Acetone	17
Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Attached Table No.9)	Carbon black	130

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc**

Law Name	Chemical Name in Regulation	Ordinance Number
Priority Assessment Chemical Substances (Law Article 2, Para.5)	Acetone	114

**Section 4: FIRST AID MEASURES****INHALATION**

Remove to fresh air. Seek immediate medical attention/advice.

**Skin contact**

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.

**Eye contact**

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.

**INGESTION**

Rinse mouth. Get medical attention.

**Section 5: FIRE FIGHTING MEASURES****Suitable extinguishing media**

Water spray (fog) Carbon dioxide (CO2) Extinguishing powder Alcohol resistant foam Sand

**Specific hazards arising from the chemical**

Extremely flammable

**Special extinguishing media**

Wear protection gear and extinguish from windward.

**Section 6: ACCIDENTAL RELEASE MEASURES****Personal precautions**

Use personal protective equipment as required Remove all sources of ignition

**Environmental precautions**

Do not flush into surface water or sanitary sewer system

**Methods for containment**

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.

**Methods for cleaning up**

Soak up with inert absorbent material.

**Prevention of secondary hazards** Keep ignition source away from spill.

## Section 7: HANDLING AND STORAGE

### Handling

#### Precautions for safe handling

**Advice on safe handling** Take equipment measures listed in Section 8. Wear protection gear.

**Local and general ventilation** Take equipment measures listed in Section 8. Wear protection gear.

### Storage

**Storage conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity) Fire prohibited

**Material of vessels and packaging** Keep this product in original container. Do not put it back in the container.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure guidelines

Chemical name	Japan	ISHL Working Environmental Evaluation Standards - Administrative Control Levels	ACGIH TLV
Carbon black	TWA: 4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	-	TWA: 3 mg/m <sup>3</sup> inhalable fraction
Acetone	TWA: 200 ppm TWA: 470 mg/m <sup>3</sup> ISHL/ACL: 500 ppm	ISHL/ACL: 500 ppm	STEL: 750 ppm TWA: 500 ppm

**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** Black

### Property

### Values

### Remarks

pH No data available  
 Melting point/freezing point No data available  
 Boiling point / boiling range No data available  
 Flash point 45 °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	1.02
Water solubility	Slightly soluble
Autoignition temperature	250 °C or above
Decomposition temperature	No data available
Dynamic viscosity	250 Pa·s

## Section 10: STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Possibility of hazardous reactions	React with moisture in air. Gradually release hazardous gas.
Conditions to avoid	Extreme heat
Incompatible materials	Strong oxidizing agents.
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
Carbon black	> 15400 mg/kg ( Rat )	> 3 g/kg ( Rabbit )	-
Acetone	= 5800 mg/kg ( Rat )	-	= 50100 mg/m <sup>3</sup> ( Rat ) 8 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	The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical name	Japan	IARC
Carbon black	2	Group 2B

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

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.
Target organ effects	Eyes, Lymphatic System, Respiratory system.
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
Carbon black	-	-	>5600: 24 h <i>Daphnia magna</i> mg/L EC50
Acetone	-	6210 - 8120: 96 h <i>Pimephales promelas</i> mg/L LC50 static 4.74 - 6.33: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 8300: 96 h <i>Lepomis macrochirus</i> mg/L LC50	10294 - 17704: 48 h <i>Daphnia magna</i> mg/L EC50 Static 12600 - 12700: 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

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."

**Fire protection law criteria** Designated Combustible Substances - Combustible solids

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**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc** Priority Assessment Chemical Substances (Law Article 2, Para.5)

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

<b>Section 16: OTHER INFORMATION</b>
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**Issue date** 06-Feb-2017

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

**Disclaimer**

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