

Issue date 06-Feb-2017

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Version 1

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

**Product name** ThreeBond 1207C

**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
Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 1
<b>Category 1</b> Respiratory system	
Specific target organ toxicity (repeated exposure)	Category 1
<b>Category 1</b> kidneys, Respiratory system	

**Label elements**



Signal word

Danger

**Hazard statements**

H226 - Flammable liquid and vapor

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

H350 - May cause cancer

H370 - Causes damage to organs

H372 - Causes damage to organs through prolonged or repeated exposure

Causes damage to the following organs: Respiratory system.

Causes damage to the following organs through prolonged or repeated exposure: kidneys, Respiratory system.

**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
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Do not breathe dust/fume/gas/mist/vapors/spray
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge

**Precautionary Statements - Response**

- IF exposed: Call a POISON CENTER or doctor/physician
- For first aid procedure, refer to this SDS.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth.
- In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

- Store locked up
- Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

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

**Other hazards**

- Causes mild skin irritation

**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."

Acetone is generated during curing reaction.

Chemical name	Weight-%	ENCS	ISHL No.	CAS No.
Silicone resin	40-50	-	-	-
Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	<2	(5)-5188,(1)-357	-	1309-37-1
Acetone	-	(2)-542	-	67-64-1
Silica	50-60	-	-	-

**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)	Iron oxide	192
Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Attached Table No.9)	Silica	312

**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**

<b>INHALATION</b>	Move victim to fresh air If breathing is irregular or stopped, administer artificial respiration Administer oxygen if breathing is difficult
<b>Skin contact</b>	Wash skin with soap and water
<b>Eye contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes
<b>INGESTION</b>	Rinse mouth. Get medical attention.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
<b>Note to physicians</b>	Keep victim warm and quiet.

### Section 5: FIRE FIGHTING MEASURES

<b>Flammable properties</b>	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Many liquids are lighter than water.
<b>Suitable extinguishing media</b>	Dry chemical, CO2, water spray or regular foam Water spray, fog or regular foam Use water spray or fog; do not use straight streams Move containers from fire area if you can do it without risk
<b>Unsuitable extinguishing media</b>	CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air Vapors may travel to source of ignition and flash back Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) Vapor explosion hazard indoors, outdoors or in sewers Those substances designated with a "P" may polymerize explosively when heated or involved in a fire Runoff to sewer may create fire or explosion hazard Substance may be transported hot
<b>Special extinguishing media</b>	Wear protection gear and extinguish from windward.

### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) All equipment used when handling the product must be grounded Do not touch or walk through spilled material Stop leak if you can do it without risk
<b>Environmental precautions</b>	Prevent entry into waterways, sewers, basements or confined areas
<b>Methods for containment</b>	A vapor suppressing foam may be used to reduce vapors Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers Dike far ahead of liquid spill for later disposal
<b>Methods for cleaning up</b>	Use clean non-sparking tools to collect absorbed material.
<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.

**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
Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	-	-	TWA: 5 mg/m <sup>3</sup> respirable 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

<b>Physical state</b>	Paste	
<b>Odor</b>	Distinct odor	
<b>Color</b>	Reddish brown	
<b>Property</b>	<b>Values</b>	<b>Remarks</b>
pH	No data available	
Melting point/freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	25 °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	1.5	
Water solubility	Slightly soluble	
Autoignition temperature	250 °C or above	
Decomposition temperature	No data available	
Dynamic viscosity	70 Pa·s	

## Section 10: STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	React with moisture in air. Gradually release hazardous gas.
<b>Conditions to avoid</b>	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
Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	> 10000 mg/kg ( Rat )	-	-
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
Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )		Group 3

*IARC (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans*

*Not classifiable as a human carcinogen*

**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, lungs, Respiratory system, Skin.

**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

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
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**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

UN/ID No. UN1993  
 Proper shipping name FLAMMABLE LIQUID, N.O.S.  
 Hazard class 3  
 Packing group III  
 EmS-No F-E, S-E

#### ICAO/IATA (air)

UN/ID No. UN1993  
 Proper shipping name FLAMMABLE LIQUID, N.O.S.  
 Hazard class 3  
 Packing group III

#### ADR

UN/ID No. UN1993  
 Proper shipping name FLAMMABLE LIQUID, N.O.S.  
 Hazard class 3  
 Packing group III  
 ERG code 3L

#### Japanese regulations

UN Number UN1993  
 Proper shipping name FLAMMABLE LIQUID, N.O.S.  
 Hazard class 3  
 Packing group III  
 Marine Transportation Safety Act -  
 Civil Aeronautics Act Comply with aviation regulations.

### 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**      Group 2 - Flammable solids

**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)

### Section 16: OTHER INFORMATION

**Issue date**      06-Feb-2017

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

**Disclaimer**

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