

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
Category 1 Respiratory system	
Specific target organ toxicity (repeated exposure)	Category 1
Category 1 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 CO₂, 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 ₂ O ₃)	<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

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

Section 5: FIRE FIGHTING MEASURES

Flammable properties	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Many liquids are lighter than water.
Suitable extinguishing media	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
Unsuitable extinguishing media	CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	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
Special extinguishing media	Wear protection gear and extinguish from windward.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	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
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas
Methods for containment	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
Methods for cleaning up	Use clean non-sparking tools to collect absorbed 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	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 ₂ O ₃)	-	-	TWA: 5 mg/m ³ respirable fraction
Acetone	TWA: 200 ppm TWA: 470 mg/m ³ 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	Reddish brown	
Property	Values	Remarks
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

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
Iron oxide (Fe ₂ O ₃)	> 10000 mg/kg (Rat)	-	-
Acetone	= 5800 mg/kg (Rat)	-	= 50100 mg/m ³ (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 ₂ O ₃)		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

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

Disclaimer

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