Safety Data Sheet

ThreeBond 1207C Issued Date: July 16, 2008 Revised Date: November 18, 2008
Three Bond Co.,Ltd. Kenkyukanri 81-3 Print Date: February 17, 2009

1. INFORMATION ON PRODUCTS AND SUPPLIER

PRODUCT NAME	ThreeBond 1207C
ISSUED NUMBER	Kenkyukanri 81-3
NAME OF MANUFACTURER	Three Bond Co.,Ltd.
ADDRESS	1456, Hazama-cho, Hachioji-shi, Tokyo, Japan
NAME OF SECTION	Administrative Department Research Division
TEL / FAX NUMBER	81-426-61-1367/81-426-69-7235
EMERGENCY TEL NUMBER	81-42-661-1367
RECOMMENDED USE AND RESTRICTION ON USE	Adhesive and Sealant

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS

Flammable liquid	Category 3

HEALTH HAZARDS

Skin corrosion/irritation	Category 3
Eye damage/irritation	Category 2A
Reproductive toxicity	Category 2

*Not above mentioned hazard classification items; Not classified or Not classifiable.

LABEL ELEMENTS

SYMBOL

SIGNAL WORD

Warning

HAZARD STATEMENT

Flammable liquid and vapor
Causes mild skin irritation
Causes eye serious irritation
Suspected of damaging fertility or the unborn child

NOTICE

SAFETY MEASURE

Keep away from heat, spark, flame or other sources of ignition. -No smoking
Wear appropriate chemical protectors; gloves, glasses when handling.
Use personal protection and ventilation equipment to avoid exposure, if necessary.

FIRST AID MEASURE

When feeling is disorder, move to fresh air place, calm down, in a pose breathing easily.
Skin contact: Wash off with soap and plenty of water. Remove contaminated clothes.
If skin appears inflammation or eruption, consult physician and seek medical treatment.
Eye contact: Wash eyes carefully with water for a few minutes.
A pair of contact lenses put off, if easy to take it off, after continue to wash, then consult eye physician and seek medical treatment.

STORAGE

Close a container cap tightly, avoid direct sunlight, and store the product moderate temperature.

DISPOSAL

Solicit waste disposal management experts.

GHS Hazard Communication is mentioned in accordance with Japanese Law.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE Mixture

CHEMICAL COMPOSITION

INGREDIENTS	Wt%	Formula	CAS Number
Silica	50 - 60	SiO2	-
Iron oxide	< 2	Fe2O3	1309-37-1
Silicone resin	40 - 50	-	-
Acetone	Cracked gas	CH3COH3	67-64-1

IMPURITIES AND STABILIZING ADDITIVES WHICH ARE THEMSELVES CLASSIFIED AND WHICH CONTRIBUTE TO THE CLASSIFICATION OF THE SUBSTANCE No information

4. FIRST AID MEASURES

INHALATION

In case of poisoning, move victim to fresh air place, calm down then seek medical consult and treatment.

SKIN CONTACT

Wash off well with soap and water.

If skin appears inflammation or eruption, seek medical consult and treatment.

EYE CONTACT

Wash eyes with water a few minutes.

A pair of contact lenses put off, if easy to take it off, after continue to wash.

If eyes irritate persist, consult an eye physician and seek medical treatment.

Consult a physician and seek medical treatment.

INGESTION

Rinse mouth well with water. Immediately seek medical consult and treatment.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Dry powder, carbon dioxide gas, Dry sand, Foam of resistant alcohol, Spray water

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

May produce poisonous and irritated gasses upon a fire

SPECIFIC FIRE FIGHTING MEASURES

Workers should wear appropriate protectors (glasses, cloths, mask for poisonous gasses, etc.) then extinguish should be performed up wind.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear appropriate protection equipment (refer to 8.Exposure Control/Personal Protection) to avoid contact to eyes, skin and inhalation.

ENVIRONMENTAL PRECAUTIONS, RECOVERY/NEUTRALIZATION

Caution not to allow product flow into rivers and not to effect to environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc., then place in a sealable container.

In case of large spills, dike and prevent overflow. Guide to a safe place then dispose properly.

SECONDARY ACCIDENT PRIVENTION MEASURE

All ignition sources should be quickly removed. (No smoking around, prohibit sparks or fire sources)

7. HANDLING AND STORAGE

HANDLING

ENGINEERING MEASURES

Wear protection equipment; perform engineering measures written in 「8. Exposure Control/Personal Protection」.

LOCAL VENTILATION/TOTAL VENTILATION
Perform local and total ventilation written in 「8. Exposure Control/Personal Protection」.
SAFETY HANDLING PRECAUTIONS
Use of fire strictly prohibited
STORAGE
ENGINEERING MEASURES
Close a container cap tightly, avoid direct sunlight, and store the product moderate temperature.
Refer to the technical data, specifications, and a product label about handling range of temperature.
CONTAINER AND PACKAGEING MATERIALS
Keep the product contents only in the original container. Do not transfer the product to another bottle.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

CONTROL PARAMETERS

	ACGIH TLV	OSHA PEL
Silica	Not established	Not established
Iron oxide	5 mg/m3	10 mg/m3(total particulate)
Acetone	500 ppm	750 ppm

ENGINEERING MEASURES
If handling this product in a closed workshop, a generating sources are enclosed, or countermeasure to use a local mechanical ventilation system, etc.
Place a safety shower, hand washing sink and an eye bath near work area and clearly marked.
PERSONAL PROTECTION EQUIPMENT
RESPIRATORY PROTECTION
Mask to prevent organic gas poisoning, if necessary.
HAND PROTECTION
Wear appropriate a protection gloves (Polyethylene, rubber, etc., solvent impervious materials).
EYE PROTECTION
Protection glasses (Goggles as better)
SKIN AND BODY PROTECTION
Wear personal protection apron, boots, if necessary. Do not work with short sleeve shirts.
SANITARY MEASURES
Wash hands well after handling. No eating, drinking and no smoking, when handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE as Product

APPEARANCE	Paste
COLOUR	Reddish brown
ODOR	Specific smell
FLASHPOINT	25 ℃
AUTOIGNITION TEMPERATURE	Over 250 ℃
SPECIFIC GRAVITY (DENSITY)	1.50
SOLUBILITY IN WATER	Slightly soluble
VISCOSITY	70 Pa･s

PHYSICAL STATE as Silica

MELTING POINT/FREEZING POINT	1710 ℃, 1600-1750 ℃(Sublimation at 1750 ℃)
BOILING POINT(INITIAL AND RANGE)	2230 ℃
SPECIFIC GRAVITY (DENSITY)	2.65(20 ℃)
SOLUBILITY	Water: 0.2g(100ml, 3N Ammonia water, 18 ℃) Slightly soluble in water

PHYSICAL STATE as Iron oxide

MELTING POINT/FREEZING POINT	1550 ℃

SPECIFIC GRAVITY (DENSITY)	5.1 - 5.2
SOLUBILITY	Slowly soluble in acid Difficult to soluble in acid(Intensity heating)

PHYSICAL STATE as Acetone

MELTING POINT/FREEZING POINT	-94.6 ℃
BOILING POINT(INITIAL AND RANGE)	56.5 ℃
FLASHPOINT	-20 ℃
VAPOR PRESSURE	180.3 mmHg(20 ℃)
SPECIFIC GRAVITY (DENSITY)	0.79(20 ℃)
SOLUBILITY	Readily soluble in water, Alcohol, Ether Slightly soluble in Chloroform

10. STABILITY AND REACTIVITY

STABILITY Stable in normal handling.
POSSIBLY HAZARDOUS REACTION Reacts to air moisture, slowly generates Acetone
CONDITION TO AVOID Intensive heating
INCOMPATIBLE MATERIALS Strong oxidizer
HAZARDOUS DECOMPOSITION Incineration may produce poisonous gasses (Carbon monoxide, etc.) upon condition.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS
ACUTE TOXICITY No data as product
SKIN CORROSION/IRRITATION No data as product
Information on GHS Hazard Communication is in accordance with Japanese Law.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS
ECOLOGICAL TOXICITY No data as product
MOBILITY No data
Information on GHS Hazard Communication is in accordance with Japanese Law.

13. DISPOSAL CONSIDERATIONS

METHOD OF DISPOSAL
To dispose product, solicit waste disposal management experts.
Prohibited that to dispose the waste or waste liquid containing the product in the river, etc., to reclaim, to dump the product as it is. Handle in used container and cloth same as above.

14. TRANSPORT INFORMATION

INTERNATIONAL REGULATION

SEA TRANSPOTATION Follows IMO regulation

UN number	1133
Proper shipping name	Adhesives
UN Classification	3
UN packing group	Ⅲ
Marine pollutant (chemicals name)	Not applicable

AIR TRANSPOTATION Follows ICAO/IATA regulation

UN number	1133
Proper shipping name	Adhesives
UN Classification	3
UN packing group	Ⅲ

DOMESTIC REGULATION
LAND TRANSPOTATION Follows Japanese Law

SEA TRANSPOTATION	Follows Japanese Law
UN number	1133
Proper shipping name	Adhesives
UN Classification	3
UN packing group	Ⅲ
AIR TRANSPOTATION	Follows Japanese Law
UN number	1133
Proper shipping name	Adhesives
UN Classification	3
UN packing group	Ⅲ
EMARGENCY ACCIDENTAL MEASURE	
Yellow card number	128

15. REGULATORY INFORMATION

Handle in accordance with applicable laws and regulations.

16. OTHER INFORMATION

Portions of the above evaluation of dangerous and harmful effects may be insufficient, please perform adequate investigation.
The content in this report is based on information which was available as of the Effective date. But Three Bond Co.,Ltd. and its affiliates are not responsible for guaranteeing the above data and evaluations. The above data assumes usage under normal working conditions.
In case of special handling is required, please handle with suitable safety measures according to the application and usage.
The content in this report may change due to new evaluation and tests, etc.

In case there are differences in the translation, the Japanese language version takes precedence.