

Safety Data Sheet

ThreeBond 1217H
ThreeBond Co.,Ltd. kenkyukanri 106-1

Issued date: September 01, 2008
Print Date: May 21, 2009

1. INFORMATION ON PRODUCTS AND SUPPLIER.

PRODUCT NAME	ThreeBond 1217H
ISSUED NUMBER	kenkyukanri 106-1
NAME OF MANUFACTURER	Three Bond Co.,Ltd
ADDRESS	1456, Hazama-cho, Hachioji-shi, Tokyo, Japan
NAME OF SECTION	Administration Department Research Division
TEL / FAX NUMBER	81-42-661-1367/81-42-669-7235
EMERGENCY TEL NUMBER	81-42-661-1367
RECOMMENDED USE AND RESTRICTION ON USE	Adhesive and Sealant

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

HEALTH HAZARDS	Germ cell carcinogenicity	Category 2
	Reproductive toxicity	Category 1A

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

LABEL ELEMENTS

SYMBOL



SIGNAL WORD

Danger

HAZARD STATEMENT

Suspected of causing cancer
May damage fertility or the unborn child

NOTICE

SAFETY MEASURE

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
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CHEMICAL COMPOSITION

INGREDIENTS	Wt%	Formula	CAS Number
Silica	1 - 5	SiO ₂	—
Toluene	< 1	C ₇ H ₈	108-88-3
Carbon black	< 1	C	1333-86-4
Silicone resin, Inorganic filler	> 90	—	—
Methylethylketoxim	Cracked gas	C ₄ H ₉ NO	96-29-7

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, keep warm then seek medical consult and treatment.

SKIN CONTACT

Wash off with soap and water. Remove contaminated clothes.
If skin appears inflammation or eruption, seek medical consult and 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.

INGESTION

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

5.FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Dry powder, Foam of resistant alcohol, Carbon dioxide gas, Dry sand, 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

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 ENTILATION /TOTAL VENTILATION

Perform local and total ventilation written in 「8. Exposure Control/Personal Protection」.

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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
Methylethylketoxim	Not established	Not established
Toluene	50 ppm	100 ppm
Carbon black	3.5 mg/m ³	3.5 mg/m ³

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

APPEARANCE	Paste
COLOUR	Gray
FLASHPOINT	62°C
AUTOIGNITION TEMPERATURE	Over 200°C
EXPLOSION LIMIT	No data
SPECIFIC GRAVITY (DENSITY)	1.38
SOLUBILITY	Slightly soluble in water

PHYSICAL STATE as Silica

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

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PHYSICAL STATE as Toluene

MELTING POINT/FREEZING POINT -95°C
BOILING POINT 111°C
(INITIAL AND RANGE)
FLASHPOINT 4.4 °C(Closed), 7.2 °C(Open)
SPECIFIC GRAVITY (DENSITY) 0.87(20 °C)
SOLUBILITY Insoluble in water, Soluble in Ethanol, Ether, Acetone, Benzene

10. STABILITY AND REACTIVITY

STABILITY Stable in normal handling
POSSIBLY HAZARDOUS REACTION Reacts to air moisture, slowly generates Methylketoxime.
CONDITION TO AVOID No data.
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

HAZARDZ TO THE AQUATIC ENVIRONMENT No data as product

MOBILITY

No data
Information on GHS Hazard Communication is in accordance with Japanese Law

13. DISPOSAL

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 TRANSPORTATION Not applicable
UN number Not applicable
AIR TRANSPORTATION Not applicable
UN number Not applicable

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.