

**TERAOKA Seisakusho**

1-4-22, Hiromachi, Shinagawa-ku, Tokyo 140 Japan

Phone: (03)-3491-1141 Facsimile: (03)-3491-1160

TX4511, TX7511

T2451, T2441, T2421, T2151

Tokyo, Jul. 28, 1994

TO : BROTHER INDUSTRIES, LTD.

ELECTRONIC PRODUCTS DIV.

RE : MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEETMSDS for double face polyester tape WFT No.763Z(P-touch)1. Product identification

Manufacturer's name;

TERAOKA SEISAKUSHO Co., Ltd.

No.4-22, 1-CHOME, HIROMACHI,

SHINAGAWA-KU, TOKYO, JAPAN.

Description of product:

Pressure sensitive adhesive tape consisting of carrier of polyester film coated on both sides with a thermosetting pressure sensitive adhesive comprising synthetic acrylic resin, takifing resins and anti-oxydant.

Trade name:

TAPE COLOR	TAPE WIDTH				
	5.8 mm	8.8 mm	11.8 mm	17.8 mm	23.8 mm
CLEAR	320401-094	320401-095	320401-096	320401-097	320401-098
WHITE	320401-099	320401-100	320401-101	320401-102	320401-103
BLUE	320401-104	320401-105	320401-106	320401-107	320401-108
RED	320401-109	320401-110	320401-111	320401-112	320401-113
YELLOW	320401-114	320401-115	320401-116	320401-117	320401-118
GREEN	320401-119	320401-120	320401-121	320401-122	320401-123
FLUORESCENT YELLOW	—	—	320401-124	320401-125	—
FLUORESCENT GREEN	—	—	320401-126	320401-127	—
FLUORESCENT ORANGE	—	—	320401-128	320401-129	—

Product use:



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2. Hazardous ingredients

There are no hazardous ingredients present in the mixture of substances, composing the tape. There is no evidence of any hazards to health when used according to the normally accepted safe processing procedures.

3. Physical data for product.

Physical state	;solid
Odour	;slight acrylic monomer odour
Odour threshold	;not applicable
Specific gravity	;1.01
Vapour pressure	;essentially non-volatile
Vapour density	;not applicable
Evaporation rate	;not applicable
Boiling point	;not applicable
Freezing point	;not applicable
Solubility in water (20 °)	;negligible
pH	;not applicable
Co-efficient of water/oil distribution	;not applicable
Density	;1.01

4. Fire and explosion hazard.

Flammability	;by direct contact with naked flames influenced by the possible presence of small quantities of residual hydrocarbon solvents
Means of extinction	;water spray, dry powder or carbon dioxide
Special procedures	;respiratory and eye protection required for fire fighting personal
Flashpoint	;not less than 300°C
Upper explosion limit	;not applicable
Lower explosion limit	;not applicable
Auto ignition temperature	;not applicable
Flammability classification	;none
Hazardous combustion products	;carbon dioxide, carbon monoxide and smoke
Explosion data	;not applicable
Sensitivity to static discharge	;none



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5. Reactivity data

Chemical stability

;stable at temperature up to 130°C

Incompatibility to other substance

;certain oxidation catalysts

such as cobalt naphtenate or

strong oxidizing agent e.q.

peroxides can initiate a rapid

oxidation causing heating and

possibly a fire

Reactivity

;limited chemical reactivity

Hazardous decomposition

;above 200°C, it will start to

decompose finally emitting vapours

which may be noxious, irritating

or flammable

6. Toxicological properties and product

-Route of entry

Due to high molecular weight of the composing materials, (subsequently a low vapour pressure) during the normal handling of product, there is no evidence of hazard caused by

-skin absorption

-eye contact

-inhalation acute or chronic

-ingestion

Sensitization to material

At long durations of skin contact, a small percentage of individuals may develop an allergy for the product, similar to the effect of adhesive plasters. There is no evidence that the product has any effect on the health of workers handling it in the normal way.



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7.Preventive measures

Personal protective equipment

;not required at ambient temperatures.

Engineering control

Prevent contact with the eyes.
;When heating organic substances to about 500°C, with or without partial exclusion of air, a good working practice is to use a local extraction system for removing the combustion/volatile products.
This practice is recommended for TERAOKA TAPE No.763Z.

Leak and spill procedure

;not applicable

Waste disposal

;ensure conformity to local disposal regulations.

Storage requirements

;store dry at about 18°C, to maintain the optical properties.

Special shipping information

;not classified

8.First aid measures

Skin ;wash with soap and water

Eyes ;wash with water

9.Preparation date of MSDS

Chief Engineer

Katsuhiko.Shibasaki

K. Shibasaki

R & D Manager

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