



Product Safety Information Sheet (PSIS)

Date : January 31, 2000 PSIS # : 5V2962-E1
Revised : July, 16, 2004 Rev. : 13

Brother Industries, LTD.
1-1-1, Kawagishi, Mizuhoku,
Nagoya, 467-8562, Japan
(Phone) 81-52-824-2609
(Fax) 81-52-824-2788

Product Name : TZ tape

With regard to the model number, attached please find the model number list.

The above product consists of the following major part(s) and component(s).
Attached please refer to the MSDS(s) accordingly.

	<u>Name of part /component</u>	<u>Material</u>	<u>MSDS #</u>
1)	Cassette case upper	ABS	N/A
2)	Cassette case lower	ABS	N/A
3)	Film tape	PET	N/A
4)	Spacer	PP	N/A
5)	Ribbon clutch spring	SWPB	N/A
6)	Ribbon clutch spring holder	POM	N/A
7)	Take-up spool	ABS	N/A
8)	Take-up spool spring	SUS	N/A
9)	Tape feed roller	ABS	N/A
10)	Adhesive tape roller	PP	N/A
11)	Color indication	Paper	N/A
12)	Ribbon wind stopper	Paper	N/A
13)	TZ cassette ribbon		5V2962-ME1
14)	TZ cassette tape		5V2962-ME2
15)	Spool	ABS	

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Model Number List

The model numbers to be covered with PSIS # 5V2962-E1 are as bellow.

TZ-111	TZ-121	TZ-122	TZ-123	TZ-125	TZ-131	TZ-132
TZ-133	TZ-135	TZ-141	TZ-151	TZ-152	TZ-153	TZ-155
TZ-161	TZ-211	TZ-221	TZ-222	TZ-223	TZ-231	TZ-232
TZ-233	TZ-241	TZ-2413	TZ-242	TZ-243	TZ-251	TZ-252
TZ-253	TZ-261	TZ-262	TZ-263	TZ-315	TZ-324	TZ-325
TZ-334	TZ-335	TZ-344	TZ-345	TZ-354	TZ-355	TZ-364
TZ-365	TZ-411	TZ-421	TZ-431	TZ-435	TZ-441	TZ-451
TZ-455	TZ-461	TZ-511	TZ-521	TZ-531	TZ-535	TZ-541
TZ-545	TZ-551	TZ-555	TZ-561	TZ-611	TZ-621	TZ-631
TZ-635	TZ-641	TZ-651	TZ-655	TZ-661	TZ-711	TZ-721
TZ-731	TZ-735	TZ-741	TZ-751	TZ-755	TZ-761	TZ-A25
TZ-B21	TZ-B31	TZ-B41	TZ-B51	TZ-C21	TZ-C31	TZ-C41
TZ-C51	TZ-CG31	TZ-CL3	TZ-CL4	TZ-CL6	TZ-CP31	TZ-CR31
TZ-D21	TZ-D31	TZ-D41	TZ-D51	TZ-FA3	TZ-IY4	TZ-IY41
TZ-L041	TZ-M21	TZ-M31	TZ-M41	TZ-M51	TZ-N211	TZ-N221
TZ-N231	TZ-N232	TZ-N233	TZ-N241	TZ-N242	TZ-N243	TZ-N251
TZ-N521	TZ-N531	TZ-N541	TZ-N631	TZ-N641	TZ-N651	TZ-N731
TZ-N741	TZ-N831	TZ-N841	TZ-NE21	TZ-NE41	TZ-NF21	TZ-NF31
TZ-NF41	TZ-PC41	TZ-PF31	TZ-PF41	TZ-PH31	TZ-PH41	TZ-PM31
TZ-PM41	TZ-R041	TZ-R042	TZ-R043	TZ-S211	TZ-S221	TZ-S231
TZ-S241	TZ-S251	TZ-SE4	TZ-T240	TZ-WB41	TZ-WS41	TZ-WT41
TZ-X731	TZ-NE31	TZ-L031	TZ-L051	TZ-FAE3	TZ-FA53	TZ-FA63
TZ-DP31	TZ-DG31	TZ-DC31	TZ-FA4B	TZ-164	TZ-S141	TZ-S131
TZ-S121	TZ-S111	TZ-S151	TZ-931	TZ-931M	TZ-A31	TZ-A51
TZ-145	TZ-165	TZ-951	TZ-M951	TZ-S161	TZ-S611	TZ-S621
TZ-S631	TZ-S641	TZ-S651	TZ-S661	TZ-US31	TZ-DY31	TZ-DF31
TZ-DW31	TZ-BY31	TZ-DE31	TZ-D631	TZ-GB31	TZ-GY31	TZ-851
TZ-831	TZ-M851	TZ-M831	TZ-F232	TZ-FE32	TZ-FX261	TZ-FX251
TZ-FX241	TZ-FX231	TZ-FX221	TZ-FX211	TZ-FX161	TZ-FX151	TZ-FX141
TZ-FX131	TZ-FX121	TZ-FX111	TZ-FX661	TZ-FX651	TZ-FX641	TZ-F631
TZ-FX621	TZ-FX611	TZ-DV31A	TZ-DY31B	TZ-M251	TZ-M241	TZ-S155
TZ-S145	TZ-S135	TZ-FX262	TZ-FX242	TZ-FA3S	TZ-111V	TZ-121V
TZ-131V	TZ-141V	TZ-151V	TZ-161V	TZ-611V	TZ-621V	TZ-631V
TZ-641V	TZ-651V	TZ-661V	TZ-SM941	TZ-SM951	TZ-SM961	TZ-UP31
TZ-UB31						



Material Safety Data Sheet (MSDS)

Date : January 31, 2000
Revised : May 27, 2004

MSDS # : 5V2962-ME1
Rev. 4

1. Product and Company identification

Product name : TZ cassette ribbon

Manufacturer : Brother Industries, LTD.
1-1-1, Kawagishi, Mizuhoku,
Nagoya, 467-8562, Japan
Phone : 81-52-824-2609

Supplier in USA : Brother International Corporation
100 Somerset Corporate Boulevard,
Bridgewater, NJ 00807-0911, USA
Phone : 1-800-284-4329

Supplier in Europe : Brother International Europe LTD.
Brotherhouse, 1 Tame Street, Guide Bridge,
Audenshaw, Manchester M34 5JE, UK
Phone : 44-161-330-6531

Supplier in Australia : Brother International (Aust.) Pty. Ltd. ACN 001 393 835
7 Khartoum Road, North Ryde, N.S.W. 2113, Australia
Telephone (for information) : 02-9887-4344

Note : We do not provide 24-hour support for information contact, please call to the above office appropriate to you during our business hours.

2. Composition / information on ingredients

<u>Chemical name</u>	<u>% by weight</u>	<u>CAS #</u>	<u>Symbol</u>	<u>R Phrase</u>
Carbon black	< 10%	1333-86-4	Not required	Not required
Paraffin wax	< 45%	8002-74-2	Not required	Not required
Ink Polyester film				
Silicon resin				

3. Hazards identification

Potential Health Effects

Eye effects : None currently known
Skin effects : None currently known
Ingestion effects : None currently known
Inhalation effects : None currently known
Chronic effects / Carcinogenicity : None currently known

4. First aid measures

Eye contacts : Flush with clean water and consult a doctor immediately.
Skin contacts : Wash with soap and water. If symptoms occur, consult a doctor immediately.
Inhalation : Not applicable
Ingestion : Have vomited it and consult a doctor immediately.

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5. Fire fighting measures

Fire fighting instructions : Put out fire with the following extinguishing media.
 Extinguishing media : Water mist, Dry powder, Foam, CO2 gas
 Flush point : No data available
 Flammable limits : No data available
 Auto-ignition temperatures : No data available

6. Accidental release measures

Spill or Leakage procedures : Nothing special

7. Handling and storage

Handling : Keep away from fire and shock.
 Storage : Avoid high temperatures / high humidity or low temperature.
 Keep at the following conditions.
 Temperature : -10 ~45C
 Humidity : 5% ~ 80%
 Max. wet-bulb temperature : < 30C
 Keep carton and / or bag closed.
 Keep away from water or chemicals.

8. Exposure control / personal protection

Engineering controls : Not specified
 Respiratory protection : Not required for general use
 Eye protection : Not required for general use
 Skin protection : Not required for general use

9. Physical and chemical properties

Appearance : Long & slender polyester film, ink coated on
 Color : Various
 Odor : No smell
 Boiling point : No data available
 Melting point : No data available
 Vapor pressure : No data available
 Vapor density : No data available
 Solubility in water : No data available
 Specific gravity or density : No data available
 pH : No data available
 % Volatile : No data available
 Viscosity : No data available



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10. Stability and reactivity

Stability : () Stable () Un-stable

11. Toxicological information

Acute inhalation effects : None currently known
Oral effects : None currently known
Eye effects : None currently known
Skin effects : None currently known
Sub-chronic effects : None currently known
Chronic effects / Carcinogenicity : None currently known
Mutagenicity : None currently known

12. Ecological information

No data available.

13. Disposal consideration

Comply with all federal, state and local regulations.
Comply with all EU, national and local regulations.
Do not dump this material into sewers, on the ground or into any body of water

14. Transport information

UN number : Not regulated
UN classification : Not regulated

15. Regulatory information

16. Other information

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Brother Industries, LTD. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Brother Industries, LTD. assumes no legal responsibility for use of or reliance upon this information.



Material Safety Data Sheet (MSDS)

Date : January 31, 2000
Revised : May 27, 2004

MSDS # : 5V2962-ME2
Rev. 4

1. Product and Company identification

Product name : TZ cassette tape

Manufacturer : Brother Industries, LTD.
1-1-1, Kawagishi, Mizuhoku,
Nagoya, 467-8562, Japan
Phone : 81-52-824-2609

Supplier in USA : Brother International Corporation
100 Somerset Corporate Boulevard,
Bridgewater, NJ 00807-0911, USA
Phone : 1-800-284-4329

Supplier in Europe : Brother International Europe LTD.
Brotherhouse, 1 Tame Street, Guide Bridge,
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Supplier in Australia : Brother International (Aust.) Pty. Ltd. ACN 001 393 835
7 Khartoum Road, North Ryde, N.S.W. 2113, Australia
Telephone (for information) : 02-9887-4344

Note : We do not provide 24-hour support for information contact, please call to the above office appropriate to you during our business hours.

2. Composition / information on ingredients

<u>Chemical name</u>	<u>% by weight</u>	<u>CAS #</u>	<u>Symbol</u>	<u>R Phrase</u>
Acrylic polymer			Not required	Not required
Ink polyester film			Not required	Not required
Silicon resin			Not required	Not required

3. Hazards identification

Potential Health Effects

Eye effects : None currently known
Skin effects : None currently known
Ingestion effects : None currently known
Inhalation effects : None currently known
Chronic effects / Carcinogenicity : None currently known

4. First aid measures

Eye contacts : Flush with clean water and consult a doctor immediately.
Skin contacts : Wash with soap and water. If symptoms occur, consult a doctor immediately.
Inhalation : Not applicable
Ingestion : Have vomited it and consult a doctor immediately.

Date : January 31, 2000
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MSDS # : 5V2962-ME2
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5. Fire fighting measures

Fire fighting instructions : Put out fire with the following extinguishing media.
Extinguishing media : Water mist, Dry powder, Foam, CO2 gas
Flush point : No data available
Flammable limits : No data available
Auto-ignition temperatures : No data available

6. Accidental release measures

Spill or Leakage procedures : Nothing special

7. Handling and storage

Handling : Keep away from fire and shock.
Storage : Avoid high temperatures / high humidity or low temperature.
Keep at the following conditions.
Temperature : -10 ~45C
Humidity : 5% ~ 80%
Max. wet-bulb temperature : < 30C
Keep carton and / or bag closed.
Keep away from water or chemicals.

8. Exposure control / personal protection

Engineering controls : Not specified
Respiratory protection : Not required for general use
Eye protection : Not required for general use
Skin protection : Not required for general use

9. Physical and chemical properties

Appearance : Long & slender polyester film, adhesive and treatment coated on
Color : Various
Odor : No smell
Boiling point : No data available
Melting point : No data available
Vapor pressure : No data available
Vapor density : No data available
Solubility in water : No data available
Specific gravity or density : No data available
pH : No data available
% Volatile : No data available
Viscosity : No data available



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10. Stability and reactivity

Stability : () Stable () Un-stable

11. Toxicological information

Acute inhalation effects : None currently known
Oral effects : None currently known
Eye effects : None currently known
Skin effects : None currently known
Sub-chronic effects : None currently known
Chronic effects / Carcinogenicity : None currently known
Mutagenicity : None currently known

12. Ecological information

No data available.

13. Disposal consideration

Comply with all federal, state and local regulations.
Comply with all EU, national and local regulations.
Do not dump this material into sewers, on the ground or into any body of water

14. Transport information

UN number : Not regulated
UN classification : Not regulated

15. Regulatory information

16. Other information

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Brother Industries, LTD. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Brother Industries, LTD. assumes no legal responsibility for use of or reliance upon this information.