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Product Safety Information Sheet (PSIS)

Date : January 31, 2000 PSIS # : 5V2962-E1  
Revised : June 1, 2001 Rev. : 6

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Brother industries, LTD.  
1-1-1, Kawagishi, Mizuhoku,  
Nagoya, 467-8562, Japan  
(Phone) 81-52-824-2609  
(Fax) 81-52-811-5150

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-FA1B	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		

Date : January 31, 2000                      MSDS # : 5V2962-ME1  
 Revised : July 19, 2000                      Rev. : 2

### 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

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

Chemical name	% by weight	CAS #	Symbol	R Phrase
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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## Material Safety Data Sheet (MSDS)

Date : January 31, 2000                      MSDS # : 5V2962-ME1  
Revised : July 19, 2000                      Rev. : 2

### 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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## Material Safety Data Sheet (MSDS)

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Revised : July 19, 2000      Rev. : 2

### 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.

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## Material Safety Data Sheet (MSDS)

Date : January 31, 2000      MSDS # : 5V2962-ME2  
Revised : July 19, 2000      Rev. : 2

### 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,  
Audenshaw, Manchester M34 5JE, UK  
Phone : 44-161-330-6531

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      MSDS # : 5V2962-ME2  
Revised : July 19, 2000      Rev. : 2

**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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## Material Safety Data Sheet (MSDS)

Date : January 31, 2000      MSDS # : 5V2962-ME2  
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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

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