



## Product Safety Information Sheet (PSIS)

Date : January 31, 2000 PSIS # : 5V1982-E1  
Revised : November 13, 2008 Rev. : 5

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Brother Industries, Ltd.  
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Nagoya, 467-8561, Japan  
(Phone) 81-52-824-2735  
(Fax) 81-52-824-5667

Product Name : TC 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)	Friction washer	SUS	N/A
6)	Back tension spring	SUS	N/A
7)	Ribbon drive spool	ABS	N/A
8)	Ribbon spring plate	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)	TC cassette ribbon		5V1982-ME1
14)	TC cassette tape		5V1982-ME2
15)	Spool	AS	N/A



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### Model Number List

The model numbers to be covered with PSIS # 5V1982-E1 are as bellow.

TC-00	TC-001	TC-002	TC-003	TC-01	TC-02
TC-10	TC-1004	TC-101	TC-102	TC-103	TC-104
TC-11	TC-12	TC-13	TC-14Z1	TC-195	TC-20
TC-2004	TC-201	TC-202	TC-203	TC-20Z1	TC-21
TC-22	TC-291	TC-291L	TC-292	TC-293	TC-30
TC-301	TC-33	TC-34Z	TC-391	TC-395	TC-40
TC-401	TC-40Z1	TC-491	TC-495	TC-50	TC-5001
TC-501	TC-54Z1	TC-591	TC-595	TC-60	TC-6001
TC-601	TC-64Z1	TC-691	TC-695	TC-7001	TC-701
TC-74Z1	TC-791	TC-795	TC-8001	TC-84Z1	TC-891
TC-90Z1	TC-991	TC-A0Z1	TC-A95	TC-B001	TC-B01
TC-C001	TC-C01	TC-D001	TC-D01	TC-M91	TC-M92
TC-M93	TC-MOZ	TC-V016	TC-WB01	TC-WS01	TC-WT01
TC-Y001	TC-Y01	TC-Y02	TC-Y03	TC-Y101	TC-Y201



## Material Safety Data Sheet (MSDS)

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### 1. Product and Company identification

Product name : TC cassette ribbon

Manufacturer : Brother Industries, Ltd.  
15-1 Naeshiro-cho, Mizuho-ku,  
Nagoya, 467-8561, Japan  
Phone : 81-52-824-2735

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			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.

**Material Safety Data Sheet (MSDS)**

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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 : Ink coated long & slender Polyester film  
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



## Material Safety Data Sheet (MSDS)

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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      MSDS # : 5V1982-ME2  
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### 1. Product and Company identification

Product name : TC cassette tape

Manufacturer : Brother Industries, Ltd.  
15-1 Naeshiro-cho, Mizuho-ku,  
Nagoya, 467-8561, Japan  
Phone : 81-52-824-2735

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>
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.

**Material Safety Data Sheet (MSDS)**

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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.