

Product Safety Information Sheet (PSIS)

Date: January 31, 2000 PSIS #: 5V2962-E1
Revised: July 31, 2008 Rev.: 18

Brother Industries, Ltd.
15-1 Naeshiro-cho, Mizuho-ku,
Nagoya, 467-8561, Japan
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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 | |

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 |

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| | | | |
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| | | | | | | |
|----------|-----------|----------|-----------|-----------|-----------|-----------|
| 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-M931 | 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 | TZ-DB41 | TZ-DB31 | TZ-DL41 | TZ-DL31 | TZ-N201 | TZ-HW31 |
| TZ-HB31 | TZ-143 | TZ-211V | TZ-221V | TZ-231V | TZ-231V10 | TZ-241V |
| TZ-251V | TZ-251V10 | TZ-261V | TZ-261CIV | TZ-251CIV | TZ-241CIV | TZ-231CIV |
| TZ-841 | TZ-941 | TZ-M841 | TZ-M941 | TZ-M961 | TZ-PK41 | TZ-S261 |
| TZ-AF231 | TZ-AF131 | TZ-DH41 | TZ-D241 | TZ-DH31 | TZ-D231 | TZ-31VA |
| HG-261 | HG-251 | HG-241 | HG-231 | HG-221 | HG-211 | |
| TZ-AFP31 | TZ-AFW31 | TZ-AFG31 | TZ-MQP35 | TZ-MQG35 | TZ-MQL35 | TZ-MQ934 |
| TZ-MQ835 | TZ-Q35V3 | TZ-BW31 | | | | |

Material Safety Data Sheet (MSDS)

Date: January 31, 2000

MSDS #: 5V2962-ME1

Revised: July 31, 2008

Rev.: 6

1. Product and Company identification

Product name: TZ 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

| 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.

Material Safety Data Sheet (MSDS)

Date: January 31, 2000

MSDS #: 5V2962-ME1

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Rev.: 6

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°C ~45°C Humidity: 5% ~ 80% Max. wet-bulb temperature < 30°C 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 |

10. Stability and reactivity

| | | |
|------------|----------------------------------|-------------------------------------|
| Stability: | (<input type="radio"/>) Stable | (<input type="radio"/>) Un-stable |
|------------|----------------------------------|-------------------------------------|

Material Safety Data Sheet (MSDS)

Date: January 31, 2000

MSDS #: 5V2962-ME1

Revised: July 31, 2008

Rev.: 6

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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Material Safety Data Sheet (MSDS)

Date: January 31, 2000 MSDS #: 5V2962-ME2
Revised: July 31, 2008 Rev.: 6

1. Product and Company identification

Product name: TZ 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)

Date: January 31, 2000 MSDS #: 5V2962-ME2
Revised: July 31, 2008 Rev.: 6

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°C ~45°C |
| | Humidity: 5% ~ 80% |
| | Max. wet-bulb temperature: < 30°C |
| | 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 coa |
| 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 |

10. Stability and reactivity

| | | |
|------------|--------------|---------------|
| Stability: | (O) Stable | () Un-stable |
|------------|--------------|---------------|

Material Safety Data Sheet (MSDS)

Date: January 31, 2000

MSDS #: 5V2962-ME2

Revised: July 31, 2008

Rev.: 6

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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