

Product Safety Information Sheet (PSIS)

Date: January 31, 2000 PSIS #: 5V2962-E1
Revised: February 26, 2010 Rev.: 20

Brother Industries, Ltd.
15-1 Naeshiro-cho, Mizuho-ku,
Nagoya, 467-8561, Japan
(Phone) 81-52-824-2735
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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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| | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| TZ-S241 | TZ-S251 | TZ-SE4 | TZ-T240 | TZ-WB41 | TZ-WS41 | TZ-WT41 |
| TZ-X731 | TZ-NE31 | TZ-LO31 | TZ-LO51 | 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-FX631 |
| TZ-FX621 | TZ-FX611 | TZ-DV31A | TZ-DV31B | 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 | HG-2515PK | HG-1515PK | HG-6515PK | HG- |
| HG-2415PK | HG-1415PK | HG-6415PK | HG- | HG-2315PK | HG-2215PK | HG-261V5 |
| HG-251V5 | HG-151V5 | HG-651V5 | HG-M951V5 | HG-241V5 | HG-141V5 | HG-641V5 |
| HG-M941V5 | HG-231V5 | HG-131V5 | HG-631V5 | HG-M931V5 | HG-221V5 | HG-621V5 |
| HG-261V | HG-251V | HG-151V | HG-651V | HG-M951V | HG-241V | HG-141V |
| HG-641V | HG-M941V | HG-231V | HG-131V | HG-631V | HG-M931V | HG-221V |
| TZ-31V3 | TZ-FA4 | | | | | |

Material Safety Data Sheet (MSDS)

Date: January 31, 2000

MSDS #: 5V2962-ME1

Revised: January 7, 2009

Rev.: 7

1. Product and Company identification

Product name: TZ cassette ribbon

Manufacturer: Brother Industries, Ltd.
15-1 Naeshiro-cho, Mizuho-ku,
Nagoya, 467-8561, Japan
Telephone (for information): +81-52-824-2735

Importer in USA: Brother International Corporation
100 Somerset Corporate Boulevard, P.O. Box 6911,
Bridgewater, NJ 08807-0911, USA
Telephone (for information): +1-800-284-4329

Importer in Canada: Brother International Corporation (Canada) Ltd.
1 Hotel de Ville, Dollard des Ormeaux, Quebec,
H9B 3H6, Canada
Telephone (for information): +1-514-685-0600

Importer in Europe: Brother International Europe Ltd.
Brother House, 1 Tame Street, Guide Bridge,
Audenshaw, Manchester M34 5JE, UK
Telephone (for information): +44-161-330-6531

Importer in Australia: Brother International (Aust.) Pty. Ltd. ACN 001 393 83E
Level 3, Building A, 11 Talavera Road, Macquarie Park,
NSW 2113, Australia
Telephone (for information): +61-2-9887-4344

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

Material Safety Data Sheet (MSDS)

Date: January 31, 2000

MSDS #: 5V2962-ME1

Revised: January 7, 2009

Rev.: 7

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. |

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 |

Material Safety Data Sheet (MSDS)

Date: January 31, 2000

MSDS #: 5V2962-ME1

Revised: January 7, 2009

Rev.: 7

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 #: 5V2962-ME2
Revised: January 7, 2009 Rev.: 7

1. Product and Company identification

| | |
|-----------------------|--|
| Product name: | TZ cassette tape |
| Manufacturer | Brother Industries, Ltd. 15-1 Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan Telephone (for information): +81-52-824-2735 |
| Importer in USA | Brother International Corporation 100 Somerset Corporate Boulevard, P.O. Box 6911, Bridgewater, NJ 08807-0911, USA Telephone (for information): +1-800-284-4329 |
| Importer in Canada | Brother International Corporation (Canada) Ltd. 1 Hotel de Ville, Dollard des Ormeaux, Quebec, H9B 3H6, Canada Telephone (for information): +1-514-685-0600 |
| Importer in Europe | Brother International Europe Ltd. Brother House, 1 Tame Street, Guide Bridge, Audenshaw, Manchester M34 5JE, UK Telephone (for information): +44-161-330-6531 |
| Importer in Australia | Brother International (Aust.) Pty. Ltd. ACN 001 393 835 Level 3, Building A, 11 Talavera Road, Macquarie Park, NSW 2113, Australia Telephone (for information): +61-2-9887-4344 |

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 |

Material Safety Data Sheet (MSDS)

Date: January 31, 2000 MSDS #: 5V2962-ME2
Revised: January 7, 2009 Rev.: 7

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. |

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 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 |

Material Safety Data Sheet (MSDS)

Date: January 31, 2000 MSDS #: 5V2962-ME2
Revised: January 7, 2009 Rev.: 7

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.