

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

**Product name:** TZe cassette, TZ cassette  
With regard to the model number, please find attached the list of the model numbers.

**Use of Product:** These products are TZe cassette or TZ cassette for Brother Industries, Ltd. P-touch.

The above product consists of the following major parts and components.  
Also please find attached the SDS.

**TZe cassette and TZ cassette are 'Article' and we have voluntarily made the SDS.**

	Name of part/Component	Material	SDS No.
1)	Cassette case upper	ABS	N/A
2)	Cassette case lower	ABS	N/A
3)	Film tape	PET	N/A
4)	Spacer	PP or PET	N/A
5)	Ribbon clutch spring	SWC or SWPB	N/A
6)	Ribbon clutch spring holder	POM	N/A
7)	Take-up spool	ABS or HIPS	N/A
8)	Take-up spool spring	SUS	N/A
9)	Tape feed roller	ABS or HIPS	N/A
10)	Adhesive tape roller	PP	N/A
11)	Tape roller	PE	N/A
12)	Sensor parts	ABS	N/A
13)	Color indication	PS or Paper	N/A
14)	TZe cassette ribbon / TZ cassette ribbon	--	5VA926-M7-EUUSOTHER
15)	TZe cassette tape / TZ cassette tape	--	5VA926-M2-EUUSOTHER
16)	Spool	ABS or AS or HIPS	N/A

**Model Number List**

The model numbers to be covered with PSIS No. 5VA926-P6-EUUSOTHER are as below.

TZe-334	TZe-344	TZe-354	TZe-M34	TZe-MQ934
TZ-164	TZ-324	TZ-334	TZ-344	TZ-354
TZ-364	TZ-MQ934			

Product name: TZe Cassette ribbon, TZ cassette ribbon (gold)  
(Please refer to PSIS to find the applicable models)

Date of issue: 18 September 2015  
Revision date: -  
Version: 1.0  
SDS No:5VA926-M7-EUUSOTHER

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Product name : TZe Cassette ribbon, TZ cassette ribbon (gold)

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : These products are ink ribbons for Brother Industries, Ltd. TZe cassette, TZ cassette

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

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

Importer (USA) Brother International Corporation  
200 Crossing Boulevard, Bridgewater, NJ 08807, USA  
Telephone (for information): +1-877-276-8437

Importer (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 (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 (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

E-mail Address sds.info@brother.co.jp

### 1.4. Emergency telephone number

Emergency number : CHEMTREC  
+1-703-527-3887 (International)  
+1-800-424-9300 (North America)

For France only:  
Antipoison Center telephone number: ORFILA +33-1-45-425-959

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 3 H412

Full text of classification categories and H statements : see section 16

#### Australia Classification

Aquatic chronic 3: H412

### 2.2. Label elements

#### Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) : P273 - Avoid release to the environment  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Product name: TZe Cassette ribbon, TZ cassette ribbon (gold)  
(Please refer to PSIS to find the applicable models)

Date of issue: 18 September 2015  
Revision date: -  
Version: 1.0  
SDS No:5VA926-M7-EUUSOTHER

## 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Copper	(CAS No) 7440-50-8 (EC no) 231-159-6	17	Not classified
Paraffin wax	(CAS No) 8002-74-2 (EC no) 232-315-6	8	Not classified
Zinc	(CAS No) 7440-66-6 (EC no) 231-175-3 (EC index no) 030-001-01-9	<2	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Wax	(CAS No) ** (EC no) **	**	Not classified
Styrene-acrylate copolymer	(CAS No) ** (EC no) **	**	Not classified
Resin	(CAS No) ** (EC no) **	**	Not classified
Additive	(CAS No) ** (EC no) **	**	Not classified
Synthetic resin	(CAS No) ** (EC no) **	**	Not classified
Dispersant	(CAS No) ** (EC no) **	**	Not classified
colorant	(CAS No) ** (EC no) **	**	Not classified
Brass powder	(CAS No) ** (EC no) **	**	Not classified
Organic filler	(CAS No) ** (EC no) **	**	Not classified

\*\* CONFIDENTIAL

Full text of R- and H- phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If symptoms persist, obtain medical attention.  
First-aid measures after inhalation : Not applicable.  
First-aid measures after skin contact : Wash affected skin with plenty of water or soap and water.  
First-aid measures after eye contact : Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.  
First-aid measures after ingestion : Obtain medical attention. Wash out mouth with water and give 100-200 ml of water to drink.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : No specific effects and/or symptoms have been reported or known.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Extinguish preferably with dry chemical, carbon dioxide, water spray, foam.  
Unsuitable extinguishing media : None.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : No information available.

### 5.3. Advice for firefighters

Firefighting instructions : Self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Product name: TZe Cassette ribbon, TZ cassette ribbon (gold)  
(Please refer to PSIS to find the applicable models)

Date of issue: 18 September 2015  
Revision date: -  
Version: 1.0  
SDS No:5VA926-M7-EUUSOTHER

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Not normally required.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Not applicable.

### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from oxidizing agents.

### 7.3. Specific end use(s)

These products are ink ribbons for Brother Industries, Ltd. TZe cassette, TZ cassette.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Paraffin wax (8002-74-2)		
Belgium	Local name	Paraffine (cire de) (fumées)
Belgium	Limit value (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Denmark	Local name	Paraffinrøg
Denmark	Limit (long-term) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Finland	Local name	Parafiinihuurut
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
France	Local name	Paraffine (cire de), fumée
France	VME (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Ireland	Local name	Paraffin wax, fume
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Poland	Local name	Parafina stała dymy
Poland	NDS (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Portugal	Local name	Parafina (cera), fumos
Portugal	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Romania	Local name	Parafina (fumuri)
Romania	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Romania	OEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Spain	Local name	Cera de parafina
Spain	VLA-ED (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> humos
United Kingdom	Local name	Paraffin wax
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> fume
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> fume

Product name: TZe Cassette ribbon, TZ cassette ribbon (gold)  
(Please refer to PSIS to find the applicable models)

Date of issue: 18 September 2015  
Revision date: -  
Version: 1.0  
SDS No:5VA926-M7-EUUSOTHER

Paraffin wax (8002-74-2)		
Norway	Local name	Parafin (røyk)
Norway	TWA (AN) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA - ACGIH	Local name	Paraffin wax fume
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA - ACGIH	Remark (ACGIH)	URT irr; nausea
Copper (7440-50-8)		
Finland	Local name	Kupari, metalli
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Latvia	Local name	Varš
Latvia	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
Netherlands	Local name	Koper en anorganische koperverbindingen (inhaleerbaar)
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Poland	Local name	Miedź i jej związki nieorganiczne w przeliczeniu na Cu
Poland	NDS (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup>
Spain	Local name	Cobre
Spain	VLA-ED (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> Humos, como Cu 1 mg/m <sup>3</sup> Polvo y nieblas, como Cu
United Kingdom	Local name	Copper
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> fume (as Cu)

## 8.2. Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient under normal use.

Personal protective equipment

: Not normally required. For use other than in normal operating procedures (such as in the event of large spill), the following should be applied:

Hand protection

: Protective gloves.

Eye protection

: Safety goggles.

Skin and body protection

: Not normally required.

Respiratory protection

: No special protective equipment required.

Environmental exposure controls

: Not normally required.

Product name: TZe Cassette ribbon, TZ cassette ribbon (gold)  
(Please refer to PSIS to find the applicable models)

Date of issue: 18 September 2015  
Revision date: -  
Version: 1.0  
SDS No:5VA926-M7-EUUSOTHER

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Film
Color	: Gold
Odor	: Slight wax odor
Odor threshold	: No information available
pH	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No information available
Relative evaporation rate (ether=1)	: No information available
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: > 150 °C
Auto-ignition temperature	: No information available
Decomposition temperature	: No information available
Flammability (solid, gas)	: Not flammable
Vapor pressure	: Not applicable
Relative vapor density at 20 °C	: Not applicable
Relative density	: No information available
Solubility	: Negligible. (water)
Log Pow	: No information available
Log Kow	: No information available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: No information available
Explosion limits	: No information available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

Keep away from heat. Avoid friction, sparks, or other means of ignition.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Nitrogen oxides.

Product name: TZe Cassette ribbon, TZ cassette ribbon (gold)  
(Please refer to PSIS to find the applicable models)

Date of issue: 18 September 2015  
Revision date: -  
Version: 1.0  
SDS No:5VA926-M7-EUUSOTHER

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: No information available
Skin corrosion/irritation	: No information available pH: Not applicable
Serious eye damage/irritation	: No information available pH: Not applicable
Respiratory or skin sensitization	: No information available
Germ cell mutagenicity	: No information available
Carcinogenicity	: Printing inks: IARC Classification: Group 3 (Non-classified Human Carcinogen) Other ingredients of this product have not been classified as carcinogens according to IARC monographs, NTP and OSHA
Reproductive toxicity	: No information available
Specific target organ toxicity (single exposure)	: No information available
Specific target organ toxicity (repeated exposure)	: No information available
Aspiration hazard	: No information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Copper (7440-50-8)	
LC50 fish	0.0068 - 0.0156 mg/l 96h (Pimephales promelas)
LC50 fish 2	0.3 mg/l 96h static (Pimephales promelas)
EC50 Daphnia	0.03 mg/l 48h static (Daphnia magna)
EC50 72h algae [mg/] 1	0.0426 - 0.0535 mg/l 72h (Pseudokirchneriella subcapitata)
EC50 96h algae [mg/] (1)	0.031 - 0.054 mg/l 96h (Pseudokirchneriella subcapitata)

### 12.2. Persistence and degradability

Persistence and degradability	No information available.
-------------------------------	---------------------------

### 12.3. Bioaccumulative potential

Log Pow	No information available
Log Kow	No information available
Bioaccumulative potential	No information available.

### 12.4. Mobility in soil

Ecology - soil	No information available.
----------------	---------------------------

### 12.5. Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT criteria of REACH, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII

### 12.6. Other adverse effects

Other adverse effects	: No information available.
-----------------------	-----------------------------



Product name: TZe Cassette ribbon, TZ cassette ribbon (gold)  
(Please refer to PSIS to find the applicable models)

Date of issue: 18 September 2015  
Revision date: -  
Version: 1.0  
SDS No:5VA926-M7-EUUSOTHER

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in accordance with federal, state and local regulations.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / DOT / UN

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR/RID) : None

Proper Shipping Name (IATA) : None

Proper Shipping Name (IMDG) : None

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information : None

### 14.6. Special precautions for user

Special transport precautions : None

#### 14.6.1. Overland transport

No additional information available

#### 14.6.2. Transport by sea

No additional information available

#### 14.6.3. Air transport

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

#### 15.1.2. National regulations

Regional legislation : USA: All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.  
Canada: WHMIS: Not applicable. (Manufactured article).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

Product name: TZe Cassette ribbon, TZ cassette ribbon (gold)  
(Please refer to PSIS to find the applicable models)

Date of issue: 18 September 2015  
Revision date: -  
Version: 1.0  
SDS No:5VA926-M7-EUUSOTHER

Newly issued.

## Data sources

: World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risks to Humans, Volume 93

U.S. Department of labor, 29CFR Part 1910.

ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices

EU Commission Directive 2009/161/EU.

## Abbreviations and acronyms

: IARC (International Agency for Research on Cancer)  
IATA (International Air Transport Association)  
IMDG (International Maritime Dangerous Goods Code)  
IOELV (Indicative Occupational Exposure Limit)  
REACH (Registration, Evaluation and Authorisation of CHemicals)  
WHMIS (Workplace Hazardous Material Information System (Canada))  
ACGIH (American Conference of Government Industrial Hygienists)  
DOT (Department Of Transportation (US))  
ICAO (International Civil Aviation Organization)  
NOHSC (National Occupational Health and Safety Commission (Australia))  
NTP (National Toxicology Program) (US)  
OSHA (Occupational Safety and Health Administration) (US)  
PEL (Permissible Exposure Limit)  
STEL (Short Term Exposure Limit)  
TLV (Threshold Limit Value) (ACGIH)  
TSCA (Toxic Substances Control Act) (US)  
TWA (Time Weighted Average).

## Other information

: The information only relates to this specific product. It may not be valid, if used in combination with any other materials or in any other process, and it is based on our best knowledge as of the date of preparation (revision).

## Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Product name: TZe cassette tape, TZ cassette tape  
(Please refer to PSIS to find the applicable models)

Issuing Date: 08-November-2010  
Revision Date: 10-November-2012  
Version: 4  
SDS No: 5VA926-M2-EUUSOTHER

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** TZe cassette tape, TZ cassette tape

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant Identified Use(s)** These products are tapes for Brother Industries, Ltd. TZe cassette tape, TZ cassette tape

### 1.3 Details of the supplier of the safety data sheet

<b>Manufacturer</b>	Brother Industries, Ltd. 15-1 Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan Telephone (for information): +81-52-824-2735
<b>Importer (USA)</b>	Brother International Corporation 200 Crossing Boulevard, Bridgewater, NJ 08807, USA Telephone (for information): +1-800-284-4329
<b>Importer (Canada)</b>	Brother International Corporation (Canada) Ltd. 1 Hotel de Ville, Dollard des Ormeaux, Quebec, H9B 3H6, Canada Telephone (for information): +1-514-685-0600
<b>Importer (Europe)</b>	Brother International Europe Ltd. Brother House, 1 Tame Street, Guide Bridge, Audenshaw, Manchester M34 5JE, UK Telephone (for information): +44-161-330-6531
<b>Importer (Australia)</b>	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
<b>E-mail Address</b>	sds.info@brother.co.jp

### 1.4 Emergency telephone number

**Emergency Telephone (24 hours)** CHEMTREC  
+1-703-527-3887 (International)  
+1-800-424-9300 (North America)

For France only:  
Antipoison Center telephone number: ORFILA +33-1-45-425-959

Product name: TZe cassette tape, TZ cassette tape  
(Please refer to PSIS to find the applicable models)

Issuing Date: 08-November-2010  
Revision Date: 10-November-2012  
Version: 4  
SDS No: 5VA926-M2-EUUSOTHER

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Not classified as hazardous

#### Classification according to Directive 1999/45/EC

Not classified as hazardous

#### Australia Classification

Not classified as hazardous according to the criteria of NOHSC

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008

#### Hazard pictograms

None

#### Signal Word

None

#### Hazard Statements

None

#### Precautionary statements

None

### 2.3 Other hazards

This product contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This product contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Description of the mixture: TZe cassette tape (Article), TZ cassette tape (Article).

Chemical Name	CAS-No	EC-No	w/w%	Classification (67/548/EEC)	Classification (EU Reg. 1272/2008)
Polyester film	**	**	-	Not classified	Not classified
Ink	**	**	-	Not classified	Not classified
Acrylic adhesive	**	**	-	Not classified	Not classified
Liner	**	**	-	Not classified	Not classified

For the full text of R-phrases and H-Statements see Section 16

\*\* CONFIDENTIAL

Product name: TZe cassette tape, TZ cassette tape  
(Please refer to PSIS to find the applicable models)

Issuing Date: 08-November-2010  
Revision Date: 10-November-2012  
Version: 4  
SDS No: 5VA926-M2-EUUSOTHER

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice	If symptoms persist, obtain medical attention.
Inhalation	Not applicable.
Skin contact	Wash affected skin with plenty of water or soap and water.
Eye contact	Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.
Ingestion	Obtain medical attention. Wash out mouth with water and give 100 - 200 ml of water to drink.

### 4.2 Most important symptoms and effects, both acute and delayed

No specific effects and/or symptoms have been reported or known

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable Extinguishing Media	Extinguish preferably with dry chemical, carbon dioxide, water, foam.
Unsuitable Extinguishing Media	None.

### 5.2 Special hazards arising from the substance or mixture

No information available

### 5.3 Advice for firefighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Not normally required.

### 6.2 Environmental precautions

Avoid release to the environment.

### 6.3 Methods and materials for containment and cleaning up

Not applicable

### 6.4 Reference to other sections

For personal protection: See section 8.  
For disposal considerations: See section 13.

Product name: TZe cassette tape, TZ cassette tape  
(Please refer to PSIS to find the applicable models)

Issuing Date: 08-November-2010  
Revision Date: 10-November-2012  
Version: 4  
SDS No: 5VA926-M2-EUUSOTHER

## SECTION 7: Handling and storage

- |   |  |
|---|--|
| <b>7.1 Precautions for safe handling</b>                                | No special requirements.   |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Keep away from oxidizing agents.   |
| <b>7.3 Specific end use(s)</b>  | These products are tapes for Brother Industries, Ltd. TZe cassette tape, TZ cassette tape. |

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

- |   |  |
|---|--|
| <b>Appropriate engineering controls</b> | Good general ventilation should be sufficient under normal use.  |
| <b>Personal protective equipment</b>    | Not normally required. For use other than in normal operating procedures (such as in the event of large spill), the following should be applied: |
| Eye Protection                          | Safety goggles.  |
| Hand Protection                         | Protective gloves.   |
| Skin and body protection                | Not normally required.   |
| Respiratory protection                  | No special protective equipment required.  |
| <b>Environmental Exposure Controls</b>  | Not normally required.   |

Product name: TZe cassette tape, TZ cassette tape  
(Please refer to PSIS to find the applicable models)

Issuing Date: 08-November-2010  
Revision Date: 10-November-2012  
Version: 4  
SDS No: 5VA926-M2-EUUSOTHER

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	
Physical state	Tape rolled
Color	Various colors
Odor	Odorless
Odor Threshold	No information available
pH	Not applicable
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash Point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	No information available
Solubility(ies)	Insoluble (water)
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidizing properties	No information available

### 9.2 Other information

No information available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	No information available.
<b>10.2 Chemical stability</b>	Stable.
<b>10.3 Possibility of hazardous reactions</b>	No information available.
<b>10.4 Conditions to avoid</b>	Keep away from heat. Avoid friction, sparks, or other means of ignition.
<b>10.5 Incompatible materials</b>	Strong oxidizing agents.
<b>10.6 Hazardous decomposition products</b>	Contains: Carbon monoxide, Carbon dioxide and Nitrogen oxides.

Product name: TZe cassette tape, TZ cassette tape  
(Please refer to PSIS to find the applicable models)

Issuing Date: 08-November-2010  
Revision Date: 10-November-2012  
Version: 4  
SDS No: 5VA926-M2-EUUSOTHER

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Inhalation	No information available.
Eye contact	No information available.
Skin contact	No information available.
Ingestion	No information available.

**Skin corrosion/irritation** No information available.

**Serious eye damage/irritation** No information available.

**Respiratory or skin sensitisation** No information available.

**Mutagenicity** No information available.

**Carcinogenicity** **Ingredients of this product have not been classified as carcinogens according to IARC monographs, NTP and OSHA.**

## SECTION 12: Ecological information

**12.1 Toxicity** No information available.

**12.2 Persistence and degradability** No information available

**12.3 Bioaccumulative potential** No information available

**12.4 Mobility in soil** No information available.

**12.5 Results of PBT and vPvB assessment** This product contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
This product contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6 Other adverse effects** No information available

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods** Dispose of in accordance with Federal, State, and local regulations.



Product name: TZe cassette tape, TZ cassette tape  
(Please refer to PSIS to find the applicable models)

Issuing Date: 08-November-2010  
Revision Date: 10-November-2012  
Version: 4  
SDS No: 5VA926-M2-EUUSOTHER

## SECTION 14: Transport information

Not classified according to the United Nations "Recommendations on the Transport of Dangerous Goods"

<b>14.1 UN Number</b>	None
<b>14.2 UN proper shipping name</b>	None
<b>14.3 Transport hazard class(es)</b>	None
<b>14.4 Packing Group</b>	None
<b>14.5 Environmental hazards</b>	None
<b>14.6 Special precautions for user</b>	None
<b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code</b>	Not applicable

## SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<p><b>EU:</b> Not classified as dangerous for supply/use. (1999/45/EC)</p> <p><b>USA:</b> All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.</p> <p><b>Canada:</b> WHMIS: Not applicable. (Manufactured article)</p>
<b>15.2 Chemical Safety Assessment</b>	No.

Product name: TZe cassette tape, TZ cassette tape  
(Please refer to PSIS to find the applicable models)

Issuing Date: 08-November-2010  
Revision Date: 10-November-2012  
Version: 4  
SDS No: 5VA926-M2-EUUSOTHER

## SECTION 16: Other information

**Full text of R-phrases referred to under sections 2 and 3** None

**Full text of H-Statements referred to under sections 2 and 3** None

**Additional information** The information relates only to this product. It may not be valid, if used in combination with any other materials or in any other process, and it is based on our best knowledge as of the date of preparation (revision).

**Revision Note** Updated for compliance with EU Regulations 453/2010 and 172/2008 (CLP).

**References:** U.S. 29CFR Part 1910  
ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices  
IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans World Health Organization  
EU Directive 91/322/EEC and 2000/39/EC  
NTP 11th Report on Carcinogens

**Abbreviations:** ACGIH: American Conference of Governmental Industrial Hygienists  
IARC: International Agency for Research on Cancer  
NOHSC: National Occupational Health and Safety Commission (Australia)  
NTP: National Toxicology Program (US)  
OSHA: Occupational Safety and Health Administration (US)  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit Value (ACGIH)  
TSCA: Toxic Substances Control Act (US)  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Material Information System (Canada)