

# Safety Data Sheet

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## SECTION 1: Product and company identification

### Product identifier

**Product name** Ink Ribbon White 85M / RC-TU85W

**Product code(s)** 5080C001 (Ink No. TTM-546W)

**Use** Ink ribbon for cable ID printer

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

#### Supplier

#### Manufacturer

CANON FINETECH NISCA INC.  
14-1, Chuo 1-chome, Misato-shi, Saitama 341-8527, Japan

## SECTION 2: Hazards identification

### GHS classification

Not classified

### GHS label elements

#### Symbol

Not required

#### Signal word

Not required

#### Hazard statements

Not required

#### Precautionary statements

Not required

#### Other Information

None

### Other hazards which do not result in classification

None

### SECTION 3: Composition/information on ingredients

#### Ink

Chemical name	CAS-No	Weight %
Titanium dioxide	13463-67-7	75-85
Silica SiO <sub>2</sub>	7631-86-9	<1
Zinc Oxide	1314-13-2	0.5-1
Resin	CBI	CBI
Wax	CBI	CBI
Other additive	CBI	CBI

#### Other

Chemical name	CAS-No	Weight %
Polyethyleneterephthalate film	CBI	CBI

### SECTION 4: First aid measures

#### Description of first aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue, call a doctor/physician.
<b>Ingestion</b>	Rinse mouth. Immediately get medical advice/attention.
<b>Skin contact</b>	Rinse with plenty of water and soap. If symptoms continue, call a doctor/physician
<b>Eye contact</b>	Immediately rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue, call a doctor/physician.

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

<b>Inhalation</b>	Not known
<b>Ingestion</b>	Not known
<b>Skin contact</b>	Not known
<b>Eye contact</b>	Not known
<b>Chronic effects</b>	Not known

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

None

### SECTION 5: Firefighting measures

#### Extinguishing media

##### Suitable extinguishing media

Use water mist, dry chemical powder, fire foam or carbon dioxide.

##### Unsuitable extinguishing media

No data available

**Special hazards arising from the substance or mixture**

**Special hazard**

No data available

**Hazardous combustion products**

CO, CO<sub>2</sub>, NO<sub>x</sub>

**Advice for firefighters**

**Special protective equipment for fire-fighters**

Wear gloves, glasses, a mask if necessary.

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eye and clothing. In case of contact, wash out the contaminated area immediately.

**Environmental precautions**

Do not pour into drains or waterways.

**Methods and material for containment and cleaning up**

If inadvertently released, rewind ribbon.

**Other information**

See Section 8 and 13.

**SECTION 7: Handling and storage**

**Precautions for safe handling**

Avoid contact with skin, eye and clothing. In case of contact, wash out the contaminated area immediately.  
Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

Keep in a cool and dry place. Protect from sunlight.

**Specific end uses**

Thermal transfer Ink ribbon

**SECTION 8: Exposure controls/personal protection**

**Exposure guidelines**

Chemical name	Taiwan OEL	Vietnam OEL	Malaysia OEL	Singapore OEL	Thailand OEL
Titanium dioxide	PEL: 10 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> (inhalable dust) TWA: 5 mg/m <sup>3</sup> (respirable dust)	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-
Zink Oxide	PEL: 5 mg/m <sup>3</sup> (fume) STEL: 10 mg/m <sup>3</sup> (fume)	TWA: 5 mg/m <sup>3</sup> (dust, fume)	TWA: 10 mg/m <sup>3</sup> (dust) TWA: 5 mg/m <sup>3</sup> (fume)	TWA: 10 mg/m <sup>3</sup> (dust) TWA: 5 mg/m <sup>3</sup> (fume) STEL: 10 mg/m <sup>3</sup> (fume)	TWA: 15 mg/m <sup>3</sup> (inhalable dust) TWA: 5 mg/m <sup>3</sup> (respirable dust, fume)

**Appropriate engineering controls**

Not required in normal condition of use.

**Individual protection measures, such as personal protective equipment**

Eye/face protection	Not required in normal condition of use.
Skin protection	Wear protective gloves, If necessary.
Respiratory protection	Not required in normal condition of use.

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Appearance	Polyethylenterephthalate film coated on one side thereof with white ink.
Odor	Odorless
Odor threshold	No data available
pH	No data available
Melting point/Freezing point (°C)	No data available
Initial boiling point and boiling range (°C)	No data available
Flash point (°C)	>150°C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	
Upper flammability limit	No data available
Lower flammability limit	No data available
Upper explosive limit	No data available
Lower explosive limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	Water: Insoluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature (°C)	No data available
Decomposition temperature (°C)	No data available
Viscosity (mPa·s)	No data available

**Other information**

None

**SECTION 10: Stability and reactivity**

**Reactivity**

Stable under normal handling condition.

**Chemical stability**

Stable under normal handling condition.

**Possibility of hazardous reactions**

No hazardous reaction expected under normal handling.

**Conditions to avoid**

High temperature, high humidity, direct sunlight

**Incompatible materials**

No data available

**Hazardous decomposition products**

CO, CO<sub>2</sub>, NO<sub>x</sub>

## SECTION 11: Toxicological information

### Information on toxicological effects

<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	Not irritant (rabbit) (referred to OECD 404)
<b>Serious eye damage/eye irritation</b>	No data available
<b>Sensitization</b>	Skin: Not sensitizing (OECD 406, Buehler test)
<b>Germ cell mutagenicity</b>	Ames test: Negative
<b>Carcinogenicity</b>	The IARC evaluated titanium dioxide as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the evidence such as development of lung tumors in rats receiving chronic inhalation exposure to powdered titanium dioxide at levels that induce particle overload of the lung. When used under normal and recommended conditions, the titanium dioxide in this application will not be air born and subject to inhalation.
<b>Reproductive toxicity</b>	No data available
<b>STOT - single exposure</b>	No data available
<b>STOT - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Other information</b>	No data available

## SECTION 12: Ecological information

### Toxicity

Fish ( <i>Oryzias latipes</i> ):	96hr-LL50 > 100mg/L (referred to OECD 203)
Crustacean ( <i>Daphnia magna</i> ):	48hr-EL50 > 100mg/L (referred to OECD 202)
Algae ( <i>Pseudokirchneriella subcapitata</i> ):	72hr-ErL50 > 100mg/L, 72hr-NOELRr = 100mg/L (referred to OECD 201)

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

### SECTION 13: Disposal considerations

#### Waste treatment methods

Disposal should be subject to federal, state and local laws.

### SECTION 14: Transport information

<u>UN number</u>	None
<u>UN proper shipping name</u>	None
<u>Transport hazard class</u>	None
<u>Packing group</u>	None
<u>Environmental hazards</u>	No special environmental precautions required.
<u>Special precautions for users</u>	None
<u>Transport in bulk according to Annex II of MARPOL and the IBC Code</u>	Not applicable

### SECTION 15: Regulatory information

#### Safety, health and environmental regulations specific for the product in question

##### [Taiwan information]

Toxic and Chemical Substances of Concern Control Act  
Toxic Chemical Substance

None

Occupational Safety and Health Act  
Regulation of Labelling and Hazard Communication of  
Hazardous Chemicals

Not applicable

Not applicable

(This product is not subject to the Regulation of Labelling and Hazard Communication of Hazardous Chemicals.)

##### [Vietnam information]

Decree No.113/2017/ND-CP  
Circular No.32/2017/TT-BCT

Not applicable (Printing ink)

Not classified as hazardous

##### [Malaysia information]

CLASS Regulations

Not applicable (Manufactured item)

##### [Singapore information]

Environmental Protection and Management Act &  
Environmental Protection and Management (Hazardous  
Substances) Regulations

Not applicable (Inks)

Workplace Safety and Health Act & Workplace Safety  
and Health (General Provisions) Regulations

Not classified as hazardous

##### [Thailand information]

Hazardous Substances Act

This product does not contain hazardous substances under the Act.

Other information

None

## SECTION 16: Other information

### Key literature references and sources for data

- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- Taiwan: Toxic Chemical Substance Control Act
- Taiwan: Occupational Safety and Health Act
- Taiwan: Regulation of Labelling and Hazard Communication of Hazardous Chemicals
- Vietnam: Decree No.113/2017/ND-CP Specifying and providing guidelines for implementation of certain articles of the Law on chemicals
- Vietnam: Circular No.32/2017/TT-BCT Specifying and providing guidelines for implementation of certain articles of the Law on Chemicals and the Government's Decree 113/2017/ND-CP
- Malaysia: Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013
- Singapore: Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations
- Singapore: Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations
- Thailand: Hazardous Substance Act B.E. 2535

### Key or legend to abbreviations and acronyms used in the safety data sheet

- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- IARC: International Agency for Research on Cancer
- Taiwan OEL: Standards of Permissible Exposure Limits at Workplace
- Vietnam OEL: Allowable Limit in the Work Atmosphere Standard (Min. of Health Decision No. 3733/2002/QD-BYT, as amended by Circular No.10/2019/TT-BYT & QCVN 03:2019/BYT, 10 June 2019)
- Malaysia OEL: Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000: Schedule 1
- Singapore OEL: Workplace Safety and Health (General Provisions) Regulations, First Schedule: Permissible Exposure Limits of Toxic Substances
- Thailand OEL: DLPW Notification on Occupational Exposure Limits of Hazardous Chemicals (3 August 2017)
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- CBI: Confidential Business Information

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### Disclaimer

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