

Safety Data Sheet

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SECTION 1: Product and company identification

Product identifier

Product name MK-RS85W
Product code(s) 3607B001
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 ₂	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

Inhalation	Not applicable
Ingestion	Rinse mouth. Immediately get medical advice/attention.
Skin contact	Rinse with plenty of water and soap. If symptoms continue, call a doctor/physician
Eye contact	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

Inhalation	Not known
Ingestion	Not known
Skin contact	Not known
Eye contact	Not known
Chronic effects	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, CO₂, NO_x

Advice for firefighters

Special protective equipment for fire-fighters

Self-contained breathing apparatus and suitable protective clothing should be worn in case of fire.

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	Vietnam OEL	Malaysia OEL	Singapore OEL	Thailand OEL
Titanium dioxide	TWA: 6 mg/m ³ STEL: 10 mg/m ³ (inhalable dust) TWA: 5 mg/m ³ (respirable dust)	TWA: 10 mg/m ³	TWA: 10 mg/m ³	-
Zink Oxide	TWA: 5 mg/m ³ (dust, fume)	TWA: 10 mg/m ³ (dust) TWA: 5 mg/m ³ (fume)	TWA: 10 mg/m ³ (dust) TWA: 5 mg/m ³ (fume) STEL: 10 mg/m ³ (fume)	TWA: 15 mg/m ³ (inhalable dust) TWA: 5 mg/m ³ (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, CO₂, NO_x

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Sensitization	Skin: Not sensitizing (OECD 406, Buehler test)
Germ cell mutagenicity	Ames test: Negative
Carcinogenicity	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.
Reproductive toxicity	No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration hazard	No data available
Other information	No data available

SECTION 12: Ecological information

Toxicity

Zinc oxide is classified as Aquatic Acute 1 and Aquatic Chronic 1.

However, as this product is not be released to water when it is used in the typical manner, it is not considered to pose a risk to aquatic organisms.

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

[Vietnam information]

Decree No.113/2017/ND-CP	Not applicable (Printing ink)
Circular No.32/2017/TT-BCT	Not classified as hazardous

[Malaysia information]

CLASS Regulations	Not applicable (Manufactured item)
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[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.
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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
- 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
- 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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