

# Safety Data Sheet

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SDS #: NIRM-043E(US)  
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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**

Canon USA, Inc.  
One Canon Park, Melville, NY 11747, USA  
Phone number : 1-800-OK-CANON  
Emergency phone number : 24 Hr. Emergency CHEMTREC # 1-800-424-9300

#### **Manufacturer**

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

## SECTION 2: Hazards identification

### Classification under OSHA HCS

Not classified

### US Label Elements under OSHA HCS

#### **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>	Not applicable
<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**

Not 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**

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	OSHA PEL	ACGIH TLV (2020)
Titanium dioxide	15 mg/m <sup>3</sup> (total dust)	TWA: 10 mg/m <sup>3</sup>
Silica	20 mppcf, 80/(%SiO <sub>2</sub> ) mg/m <sup>3</sup>	Not established
Zink Oxide	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> (respirable fraction)

**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

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

Not 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>	No data available
<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

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

TSCA Sec 4,5,6,7,8,12b	None
SARA Title III Sec 313	None
California Proposition 65	None
CEPA Sec. 81	Not applicable (Manufactured item)
HPA (WHMIS)	Not applicable (Manufactured article)
Other information	None

### SECTION 16: Other information

#### **Key literature references and sources for data**

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Environmental Protection Agency, 40CFR Part 700-799
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- U.S. Department of Health and Human Services National Toxicology Program, Annual Report on Carcinogens
- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- California EPA, Code of Regulations Title 27. Division 4. Chapter 1. Safe Drinking Water and Toxic Enforcement Act of 1986
- Environment Canada, Canadian Environmental Protection Act, 1999
- Health Canada, Hazardous Products Act, and Controlled Products Regulations
- Canada Workplace Hazardous Materials Information System

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

- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
- IARC: International Agency for Research on Cancer
- OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA)
- ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- TSCA: Toxic Substances Control Act
- SARA Title III: SARA Title III of the Superfund Amendments and Reauthorization Act of 1986
- Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986
- CEPA: Canadian Environmental Protection Act, 1999
- HPA: Hazardous Products Act
- WHMIS: Workplace Hazardous Materials Information System
- CBI: Confidential Business Information

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**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.