

# Safety Data Sheet

Issuing date: June 29, 2018  
Revision date:

SDS #: NIRM-068E(US)-001  
Version: 01

## SECTION 1: Product and company identification

### Product identifier

**Product name** Ink Ribbon IXR-YMCK  
**Product code(s)** 2495C002  
**Use** Ink ribbon for thermal transfer 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

Chemical name	CAS-No	Weight %
Polyethylene-terephthalate	25038-59-9	70-80
Polyvinyl-alkylacetal	70775-95-0	1-10
Vinyl-acetate-chloride-copolymer	9003-22-9	1-10
Polyisocyanate	9046-75-7	1-10
Dye(Total)	CBI	1-5
Carbon black	1333-86-4	1.0

### SECTION 4: First aid measures

#### Description of first aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue, call a doctor/physician.

**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** No adverse effects are expected under intended use.

**Ingestion** No adverse effects are expected under intended use.

**Skin contact** No adverse effects are expected under intended use.

**Eye contact** No adverse effects are expected under intended use.

**Chronic effects** No adverse effects are expected under intended use.

#### 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**  
None

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

**Special hazard**

The product is not classified as flammable, but will burn if involved in a fire, forming smoke, and toxic fumes, gases and vapors.

**Hazardous combustion products**

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

**Advice for firefighters**

**Special protective equipment for fire-fighters**

Cut off any ignition sources and extinguish with an appropriate agent.  
Take action from windward. Keep out except responsible personnel.  
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 release to sewer, surface water or ground water.

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

Sweep up scattered materials or vacuum them using a vacuum cleaner so as not to cause dust then collect them into an empty container.  
Disposal should be subject to nation, state and local law.  
Prevent to flowing into drains, sewers, basements or closed areas.

**Other information**

None

## **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.  
Keep out of the reach of children. Keep out of the reach of children.

**Specific end uses**

Ink ribbon for thermal transfer printer.

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

**Exposure guidelines**

Chemical name	OSHA PEL	ACGIH TLV (2018)
Carbon Black	3.5 mg/m <sup>3</sup>	TWA: 3.0 mg/m <sup>3</sup>

**Appropriate engineering controls** Good general ventilation is recommended.

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

<b>Eye/face protection</b>	Not required
<b>Skin protection</b>	Not required
<b>Respiratory protection</b>	Not required

## **SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

<b>Appearance</b>	Solid color coating coated on polyethylene terephthalate film (Yellow, Magenta, Cyan and Black layer)
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point/Freezing point (°C)</b>	Not available
<b>Boiling Point/Range (°C)</b>	Not available
<b>Flash point (°C)</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Flammability Limits in Air</b>	
<b>Upper flammability limit</b>	Not available
<b>Lower flammability limit</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility(ies)</b>	Water: Insoluble
<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Autoignition temperature (°C)</b>	Not available
<b>Decomposition temperature (°C)</b>	Not available
<b>Viscosity (mPa·s)</b>	Not 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**

Keep away from heat and flame. Keep in a cool and dry place.  
Protect from sunlight. Keep out of the reach of children.

**Incompatible materials**

Oxidizing agents

**Hazardous decomposition products**

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

## SECTION 11: Toxicological information

### Information on toxicological effects

<b>Acute toxicity</b>	Not available
<b>Skin corrosion/irritation</b>	[Magenta, Cyan and Black ribbon] Not irritant (rabbit) [Yellow ink] Mild irritant (rabbit)
<b>Serious eye damage/eye irritation</b>	Not available
<b>Sensitization</b>	[Magenta, Cyan and Black ribbon] Not sensitizing (Buehler test) [Yellow ink] Not sensitizing (Guinea pig maximization test)
<b>Germ cell mutagenicity</b>	[Extracts from yellow, magenta, cyan and black ribbon] Negative in Ames test
<b>Carcinogenicity</b>	The IARC evaluated carbon black, as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposure to powdered carbon black at levels that induce particle overload of the lung. When used under normal and recommended conditions, the carbon black in this application will not be air born and subject to inhalation.
<b>Reproductive toxicity</b>	Not available
<b>STOT - single exposure</b>	Not available
<b>STOT - repeated exposure</b>	Not available
<b>Aspiration hazard</b>	Not available
<b>Other information</b>	Not available

## SECTION 12: Ecological information

### Toxicity

#### **Ecotoxicity effects**

[Information on ingredients]

About 0.4% containing ingredients classified as Aquatic Acute Category 1/Aquatic Chronic Category 1.

About 1.3% containing ingredients classified as Aquatic Chronic Category 4.

#### Persistence and degradability

Not available

#### Bioaccumulative potential

Not available

#### Mobility in soil

Not available

#### Other adverse effects

Not 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

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

**Issuing date:** June 29, 2018

**Revision date:**

**Revision note:**

**Disclaimer**

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