Safety Data Sheet

Issuing date: June 21, 2021 **SDS #: NIRM-073E(US)**
Revision date: **Version: 01**

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
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_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 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 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, CO_2, NOx

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	OSHA PEL	ACGIH TLV (2021)
Titanium dioxide	PEL: 15 mg/m3 (total dust)	TWA: 10 mg/m^3
Zink Oxide	PEL: 15 mg/m^3 (total dust) PEL: 5 mg/m^3 (respirable fraction)	TWA: 2 mg/m^3 (respirable fraction) STEL: 10 mg/m^3 (respirable fraction)
Silica	TWA = 20 mppcf, 80/(%SiO2) mg/m^3 TWA = 0.8 mg/m^3	-

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_2, NOx

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	Not irritant (rabbit) (referred to OECD 404)
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

Fish (*Oryzias latipes*):	96hr-LL50 > 100mg/L (referred to OECD 203)
Crustacean (*Daphnia magna*):	48hr-EL50 > 100mg/L (referred to OECD 202)
Algae (*Pseudokirchneriella subcapitata*):	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

UN number	None
UN proper shipping name	None
Transport hazard class	None
Packing group	None
Environmental hazards	No special environmental precautions required.
Special precautions for users	None
Transport in bulk according to Annex II of MARPOL and the IBC Code	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 and Climate Change Canada, Canadian Environmental Protection Act, 1999
- Health Canada, Hazardous Products Act, and Hazardous Products Regulations
- Canada Workplace Hazardous Materials Information System

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

Issuing date: June 21, 2021

Revision date:

Revision note:

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.