

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

070308130

N/A

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product Name:** Canon FINE Cartridge CL-211XL  
**Product Code:** 2975B  
**Manufacturer:** Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Ph#03-3758-2111.  
**Supplier:** Canon USA Inc., One Canon Plaza, Lake Success, NY, 11042, USA  
**Phone #:** 1-800-OK-CANON 24Hr. Emergency CHEMTREC# 1-800-424-9300

**SECTION 2 HAZARDS IDENTIFICATION**

**EU Classification:**

Not classified as dangerous.

**Emergency Overview:**

A three-color ink cartridge. (Cyan, Magenta and Yellow)  
All the ink is liquid mixture with slight odor.

**Potential Health Effects and Symptoms:**

**Inhalation:**

No adverse effects are expected under intended use.  
Over exposure to vapor or mist may cause respiratory tract irritation, cough, dizziness, drowsiness, headache and nausea.

**Ingestion:**

May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

**Eye:**

May cause minimal irritation. (See SECTION 11)

**Skin:**

Cyan: May cause mild irritation and no sensitization.  
Magenta and Yellow: Neither irritation nor sensitization is expected. (See SECTION 11)

**Chronic Effects:**

Not identified

**Medical Conditions Generally known to be Aggravated by Exposure:**

Not identified

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

< Ingredient(s) >

Chemical Name / Generic Name	CAS # / EC #	Weight %	EU Symbol/ R-Phrase	USA OSHA PEL	ACGIH TLV	EU ILV	DFG MAK
Glycerin	56-81-5 / 200-289-5	1 - 5	None / None	(as mist) Total dust TWA = 15 mg/m <sup>3</sup> Respirable fraction TWA = 5 mg/m <sup>3</sup>	(as mist) TWA = 10 mg/m <sup>3</sup>	Not established	Not established
Substituted Phthalocyanine salt #1 (Contained in cyan ink)	Confidential	1 - 5	Xi / R41	Not established	Not established	Not established	Not established
Substituted Phthalocyanine salt #2 (Contained in cyan ink)	Confidential	1 - 5	Xi / R41 R52/53	Not established	Not established	Not established	Not established
Heterocyclic compound	Confidential	1 - 10	None / None	Not established	Not established	Not established	Not established
Glycol	Confidential	1 - 10	None / None	Not established	Not established	Not established	Not established
Glycol (Contained in yellow ink)	Confidential	5 - 10	None / None	Not established	Not established	Not established	Not established
Magenta dye (Contained in magenta ink)	Confidential	5 - 10	None / None	Not established	Not established	Not established	Not established
Water	7732-18-5 / 231-791-2	60 - 80	None / None	Not established	Not established	Not established	Not established

< Carcinogen >

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Annex I to Directive 67/548/EEC.

< PBT substance and vPvB substance >

No component of this ink is a PBT or vPvB substance under Regulation (EC)1907/2006.

## SECTION 4 FIRST AID MEASURES

### First Aid Measures:

#### Inhalation:

If symptoms are experienced, move victim to fresh air and obtain medical advice.

#### Ingestion:

Rinse mouth. Give one or two glasses of water.

If irritation or discomfort occurs, obtain medical advice immediately.

#### Eye:

Immediately flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed.

If irritation persists, obtain medical advice immediately.

#### Skin:

Wash with water and soap or mild detergent.

If irritation persists, obtain medical advice.

### Note to Physicians:

None

## SECTION 5 FIRE FIGHTING MEASURES

### Fire Fighting Measures:

#### Extinguishing Media:

CO<sub>2</sub>, water, foam or dry chemicals

#### Unsuitable Extinguishing Media:

None

#### Special Fire Fighting Procedures:

None

#### Unusual Fire and Explosion Hazards:

None

### Fire and Explosive Properties (See also SECTION 9):

#### Hazardous Combustion Products:

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

#### Other Properties:

None

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Avoid contact with skin, eyes and clothing.

### Environmental Precautions:

Do not release to sewer, surface water or ground water.

### Method for Cleaning Up:

Wipe off with wet cloth or paper.

## SECTION 7 HANDLING AND STORAGE

### Handling:

Use with adequate ventilation.

Avoid contact with skin, eyes and clothing.

In case of contact, wash out the contaminated area immediately.

### Storage:

Keep in a cool and dry place.

Protect from sunlight.

Keep out of the reach of children.

### Specific Uses:

Ink for Ink Jet Printer.

For more information, please refer to the instruction of this product.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Not established for this ink. (See also SECTION 3)

Engineering Controls: Use adequate ventilation.

Personal Protection Equipment(s):

Respiratory Protection: ☐ Required ☒ Not Required

Eye/Face Protection: ☐ Required ☒ Not Required

Skin Protection: ☐ Required ☒ Not Required

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Cyan, magenta and yellow liquid

Odor: Slight odor

pH: 7 - 9

Boiling Point/Range(°C): Not available

Melting Point/Range(°C): Not available

Decomposition Temperature(°C): Not available

Flash Point(°C): None (Estimate)

Flammable (Explosive) Limits: Not available

Autoignition Temperature(°C): Not available

Flammability: Neither flammable nor combustible.

Explosive Properties: None (Estimate)

Oxidizing Properties: None (Estimate)

Vapor Pressure : Not available

Vapor Density : Not available

Density / Specific Gravity: 1.0 - 1.1

Water Solubility : Miscible

Fat Solubility : Not available

Partition Coefficient (n-Octanol/Water): Not available

Percent Volatile (%): 60 - 80

Evaporation Rate: Not available

Viscosity (mPa s): 1 - 5

SECTION 10 STABILITY AND REACTIVITY

Stability: ☒ Stable ☐ Unstable

Conditions to Avoid: None

Materials to Avoid: Acids, bases, oxidizing materials and reducing agents

Hazardous Decomposition Products: CO, CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub>

Hazardous Polymerization: ☐ May Occur ☒ Will Not Occur

Conditions to Avoid: None

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation:

Not available

Ingestion:

Not available

Eye:

Cyan and Magenta: Minimal irritant (rabbit)

Yellow: Minimal irritant (rabbit) (Estimate)

OECD Guidelines No. 405 (2002) , 2004/73/EC Method B5

Skin:

Cyan: Mild irritant (rabbit)

Magenta: Non-irritant (rabbit)

Yellow: Non-irritant (rabbit) (Estimate)

OECD Guidelines No. 404 (2002) , 2004/73/EC Method B4

Sensitization:

Cyan and Magenta: Non-sensitizer (mouse)

Yellow: Non-sensitizer (mouse) (Estimate)

OECD Guidelines No. 429 (2002) , 2004/73/EC Method B42

Mutagenicity:

Ames test:

All colors: Negative (*S. typhimurium* & *E. Coli*)

Reproductive Toxicity:

Not available

Carcinogenicity:

Not available

Others:

Not available

**SECTION 12 ECOLOGICAL INFORMATION**

**Mobility:** Not available

**Persistence / Degradability:** Not available

**Bioaccumulation:** Not available

**Ecotoxicity:** Not available

**Other Adverse Effects:** Not available

**SECTION 13 DISPOSAL CONSIDERATIONS**

**Method of Disposal:**  
Disposal should be subject to federal, state and local laws.

**SECTION 14 TRANSPORT INFORMATION**

**UN #:** None

**UN Shipping Name:** None

**UN Classification:** None

**UN Packing Group:** None

**Marine Pollutant:** ☐ Yes ☒ No **Chemical name (wt%):**

**Special Precautions:** None

**SECTION 15 REGULATORY INFORMATION**

< EU Information >

**Information on the Label:**

**Symbol & Indication:** Not required

**R-Phrase:**  
Not required

**S-Phrase:**  
Not required

**Dangerous Component(s):**  
Not required

**Special Precautions under 1999/45/EC Annex V:**  
Not required

**Specific Provisions in Relation to Protection of Man or the Environment:**

**76/769/EEC:** Not regulated

**(EC)2037/2000:** Not regulated

**(EC)304/2003:** Not regulated

**Others:** None

< USA Information >

Information on the Label under FHSA:

Signal Word: Not required

Hazard warning:  
Not required

Safety Advice:  
Not required

Hazardous Component(s):  
Not required

SARA Title III §313:

Chemical Name	Weight %
"Copper Compounds" (Contained in cyan ink) (as Cu)	1 - 5 ( $< 0.35$ )

California Proposition 65:

Chemical Name	Weight %
None	

< Canada Information >

WHMIS Controlled Product: Not applicable (Manufactured article)

< Australia Information >

Statement of Hazardous Nature: Not classified as hazardous according to criteria of NOHSC.

SECTION 16 OTHER INFORMATION

<R phrase list>

R41: Risk of serious damage to eyes.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<Term explanation>

Estimate: Estimate based on data of similar ink or the ingredient(s).



**MATERIAL SAFETY DATA SHEET**

MSDS #: IC1868-0101

Product Code: 2975B

**Literature References:**

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
- 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
- DFG, List of MAK and BAT Values
- EU Directive 76/769/EEC, 67/548/EEC, 1999/45/EC
- EU Regulation (EC)2037/2000, (EC)304/2003, (EC)1907/2006
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substances [NOHSC:1008]

**Abbreviations:**

EU: European Union.  
 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.  
 EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC, 2000/39/EC and 2006/15/EC.  
 DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.  
 TWA: Time Weighted Average.  
 STEL: Short Term Exposure Limit.  
 IARC: International Agency for Research on Cancer.  
 NTP: National Toxicology Program (USA).  
 OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA).  
 FHSA: Federal Hazardous Substances Act (USA).  
 WHMIS: Workplace Hazardous Materials Information System.  
 NOHSC: National Occupational Health and Safety Commission.  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative

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## SECTION 1: Product and company identification

### Product Identifier

**Product name** Canon FINE Cartridge CL-211XL

**Product Code(s)** 2975B

**Use** Ink for Ink Jet 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

Canon Canada Inc.  
8000 Mississauga Road, Brampton, Ontario L6Y 5Z7, Canada  
Phone number : (1) 905-863-8000  
Emergency phone number : 24 Hr. Emergency CHEMTREC # 1-800-424-9300

#### **Manufacturer**

Canon Inc.  
30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

## SECTION 2: Hazards identification

### Emergency Overview

A three-color ink cartridge. (Cyan, Magenta and Yellow)  
All the ink is liquid mixture with slight odor.

### Classification under FHSA

Not classified

### US Label Elements under FHSA

#### **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 %
Copper compound	CBI	5 - 10
Substituted anthraquinone derivative	CBI	5 - 10
Urea compound	CBI	1 - 10
Glycol	CBI	1 - 10
Glycerin	56-81-5	1 - 5
Water	7732-18-5	60 - 80

### SECTION 4: First aid measures

#### Description of first aid measures

<b>Inhalation</b>	Move to fresh air. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.
<b>Eye Contact</b>	Flush with plenty of water. Get medical attention immediately if symptoms occur.

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

<b>Inhalation</b>	None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
<b>Ingestion</b>	None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Skin Contact</b>	None under normal use.
<b>Eye Contact</b>	None under normal use. May cause slight irritation.
<b>Chronic Effects</b>	None under normal use.

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

None

### SECTION 5: Firefighting measures

#### Extinguishing media

**Suitable extinguishing media**  
Use CO<sub>2</sub>, water, dry chemical, or foam.

**Unsuitable extinguishing media**  
None

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

**Special Hazard**  
None

**Hazardous combustion products**  
Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO)

**Advice for firefighters**

**Special protective equipment for fire-fighters**  
None

## SECTION 6: Accidental release measures

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

Avoid contact with skin, eyes and clothing.

**Environmental Precautions**

Keep out of waterways.

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

Wipe up with adsorbent material (e.g. cloth, fleece).

**Other Information**

None

## SECTION 7: Handling and storage

**Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use with adequate ventilation.

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

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. Keep away from heat and sources of ignition.

## SECTION 8: Exposure controls/personal protection

**Exposure guidelines**

Chemical name	OSHA PEL	ACGIH TLV
Glycerin 56-81-5	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	None

**Appropriate engineering controls** None under normal use conditions.

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

<b>Eye/face Protection</b>	Not required under normal use.
<b>Skin Protection</b>	Not required under normal use.
<b>Respiratory Protection</b>	Not required under normal use.

## SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

<b>Appearance</b>	Cyan, Magenta, Yellow ; Liquid
<b>Odor</b>	Slight odor
<b>Odor threshold</b>	No data available

pH	7 - 9
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	> 93.0°C (Tag. Closed Cup.); estimated
Evaporation Rate	No data available
Flammability (solid, gas)	Not Applicable
Flammability Limits in Air	
Upper Flammability Limit	None; estimated
Lower Flammability Limit	None; estimated
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.0 - 1.1
Solubility(ies)	Water; miscible
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature (°C)	None; estimated
Decomposition Temperature (°C)	No data available
Viscosity (mPa s)	1 - 5

#### Other Information

No data available

## SECTION 10: Stability and reactivity

#### Reactivity

None

#### Chemical stability

Stable

#### Possibility of Hazardous Reactions

None

#### Conditions to Avoid

None

#### Incompatible materials

Acids, Bases, Oxidizing agents, Reducing agents.

#### Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), and/or Ammonia.

## SECTION 11: Toxicological information

#### Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	Cyan: Mild irritant (OECD Guideline) Magenta: Non-irritant (OECD Guideline) Yellow: Non-irritant (Estimate) (OECD Guideline)

<b>Serious eye damage/eye irritation</b>	Cyan and Magenta: Minimal irritant (OECD Guideline) Yellow: Minimal irritant (Estimate) (OECD Guideline)
<b>Sensitization</b>	Cyan and Magenta: Non-sensitizer (OECD Guideline) Yellow: Non-sensitizer (Estimate) (OECD Guideline)
<b>Germ cell mutagenicity</b>	Ames test: All colors: Negative
<b>Carcinogenicity</b>	No data available
<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

**Ecotoxicity effects**  
No data available

### 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

Dispose of in accordance with local regulations.

## SECTION 14: Transport information

### UN number

None

<u>UN Proper Shipping Name</u>	None
<u>Transport Hazard Class</u>	None
<u>Packing Group</u>	None
<u>Environmental Hazards</u>	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
<u>Special Precautions for users</u>	IATA: Not regulated
<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>	"Copper Compounds" : 1 - 5 Weight % (as Cu : < 0.35 Weight %)
<b>California Proposition 65</b>	None
<b>CEPA Sec. 81</b>	None (Manufactured Item)
<b>HPA (WHMIS)</b>	None (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
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
- 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

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

- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
- FHSA: Federal Hazardous Substances Act
- 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
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- 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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