

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

**Product Identifier:**

**Product Name:** Canon FINE Cartridge CL-513

**Product Code:** 2971B

**Relevant Identified Uses:** Ink for Ink Jet Printer

**Details of Supplier of Safety Data Sheet:**

**Supplier:** Canon Europa NV

**Address:** Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands

**Telephone Number:** +31 20 5458545, +31 20 5458222

**E-mail Address:** www.canon-europe.com, ceu-Reach@canon-europe.com

**Emergency Telephone Number:** DENMARK: +45 82 12 12 12; GERMANY: +49 30 19240, +49 761 19240;  
BELGIUM & NETHERLANDS: +32 70 245 245; FRANCE: +33 1 40 05 48 48;  
UK only 0845 4647; FINLAND: +358 9 471 977; SWEDEN: +46 8 33 12 31

**Manufacturer:** Canon Inc.

**Address:** 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.

**US Regulatory Status under FHSA:**

Not classified as hazardous.

**US Label Elements under FHSA:**

**Signal Word:** Not required

**Hazard Warning:** Not required

**Safety Advice:** Not required

**Hazardous Component:** Not required

**EU Classification under 1999/45/EC:**

Not classified as dangerous.

**EU Label Elements under 1999/45/EC:**

**Symbol & Indication:** Not required

**R-Phrase:** Not required

**S-Phrase:** Not required

**Dangerous Component:** Not required

**Applicable Label Elements in accordance with Annex V to 1999/45/EC:**

Not required

**Other Hazards:**

None

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**
**Substance or Mixture:** Mixture

**Ingredient(s):**

Chemical Name/ Generic Name	CAS #/ EC #	Concentration/ Concentration Range (%)	EU Classification according to 67/548/EEC		EU Classification according to (EC) No 1272/2008		Note to Other Hazards* <sup>2</sup>
			Symbol/ Indication of Danger	R-Phrase* <sup>1</sup>	Hazard Class/ Category Code	Hazard Statement* <sup>1</sup>	
Ethylene urea	120-93-4 / 204-436-4	1 - 10	Xi / Irritant	R36	Eye Irrit. 2	H319	
Glycerin	56-81-5 / 200-289-5	1 - 5	None	None	None	None	(1)
Substituted Phthalocyanine salt (Contained in cyan ink)	Confidential	1 - 5	Xi / Irritant	R41	Eye Dam. 1	H318	
Substituted Phthalocyanine salt (Contained in cyan ink)	Confidential	1 - 5	Xi / Irritant	R41 R52/53	Eye Dam. 1 Aquatic Chronic 3	H318 H412	
Glycol	Confidential	1 - 10	None	None	None	None	
Gycol (Contained in yellow ink)	Confidential	5 - 10	None	None	None	None	
Magenta dye (Contained in magenta ink)	Confidential	5 - 10	None	None	None	None	
Water	7732-18-5 / 231-791-2	60 - 80	None	None	None	None	

\*1 Full texts of R-phrase(s) and Hazard statement(s) are listed in SECTION 16

\*2 The following substance(s) is (are) marked with (1), (2) and/or (3)

(1) Substance for which Occupational Exposure Limit(s) is (are) established (See SECTION 8)

(2) PBT substance or vPvB substance under Regulation (EC) No 1907/2006

(3) Substance listed in Candidate List of SVHC for Authorisation under Regulation (EC) No 1907/2006

**Carcinogen(s):**

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Part 3 of Annex VI to Regulation (EC) No 1272/2008.

## 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.

#### Skin:

Wash with water and soap or mild detergent.

If irritation persists, obtain medical advice.

#### Eye:

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

If irritation persists, obtain medical advice immediately.

### Most Important Symptoms and Effects, both Acute and Delayed:

#### 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.

#### Skin:

Cyan: May cause mild irritation and no sensitization.

Magenta and Yellow: Neither irritation nor sensitization is expected. (See SECTION 11)

#### Eye:

May cause minimal irritation. (See SECTION 11)

#### Chronic Effects:

Not identified

### Indication of Any Immediate Medical Attention and Special Treatment Needed:

None

## SECTION 5 FIRE FIGHTING MEASURES

### Extinguishing Media:

#### Suitable Extinguishing Media:

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

#### Unsuitable Extinguishing Media:

None

### Special Hazards:

None

### Hazardous Combustion Products:

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

### Advice 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:

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

### Methods and Material for Containment and Cleaning Up:

Wipe off with wet cloth or paper.

SECTION 7 HANDLING AND STORAGE

**Precautions for Safe Handling:**

Use with adequate ventilation.  
Avoid contact with skin, eyes and clothing.  
In case of contact, wash out the contaminated area immediately.

**Conditions for Safe Storage, Including Any Incompatibilities:**

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

**Specific End Uses:**

Ink for Ink Jet Printer.  
For more information, please refer to the instruction of this product.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters:**

	USA OSHA PEL	ACGIH TLV	EU OEL
Product (Ink)	Not established	Not established	Not established
Glycerin	Glycerin mist: TWA 15 mg/m <sup>3</sup> (Total dust) TWA 5 mg/m <sup>3</sup> (Respirable fraction)	Glycerin mist: TWA 10 mg/m <sup>3</sup>	Not established

**Exposure Controls:**

**Engineering Controls:** No special ventilation equipment is needed under intended use of this product.

**Individual Protection Measures:**

**Eye/Face Protection:** ☐ Required ☒ Not Required

**Skin Protection:** ☐ Required ☒ Not Required

**Respiratory Protection:** ☐ Required ☒ Not Required

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties:**

<b>Appearance:</b>	Cyan, magenta and yellow liquid
<b>Odor:</b>	Slight odor
<b>pH:</b>	7 - 9
<b>Melting Point/Freezing Point (°C):</b>	Not available
<b>Initial Boiling Point and Boiling Range (°C):</b>	Not available
<b>Flash Point(°C):</b>	None (Estimate)
<b>Evaporation Rate:</b>	Not available
<b>Flammability:</b>	Neither flammable nor combustible.
<b>Upper/Lower Flammable or Explosive Limits:</b>	Not available
<b>Vapor Pressure :</b>	Not available
<b>Vapor Density :</b>	Not available
<b>Relative Density:</b>	1.0 - 1.1
<b>Water Solubility :</b>	Miscible
<b>Fat Solubility :</b>	Not available
<b>Partition Coefficient (n-Octanol/Water):</b>	Not available
<b>Auto-ignition Temperature (°C):</b>	Not available
<b>Decomposition Temperature(°C):</b>	Not available
<b>Viscosity (mPa s):</b>	1 - 5
<b>Explosive Properties:</b>	None (Estimate)
<b>Oxidizing Properties:</b>	None (Estimate)
<b>Other Information:</b>	Not available

**SECTION 10 STABILITY AND REACTIVITY**

<b>Reactivity:</b>	None
<b>Chemical Stability:</b>	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable
<b>Possibility of Hazardous Reactions:</b>	None
<b>Conditions to Avoid:</b>	None
<b>Incompatible Materials:</b>	Acids, bases, oxidizing materials and reducing agents
<b>Hazardous Decomposition Products:</b>	CO, CO <sub>2</sub> , NO <sub>x</sub> and SO <sub>x</sub>

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects:

#### Acute Toxicity:

##### Inhalation:

Not available

##### Ingestion:

Not available

#### Corrosivity/Irritation:

##### Skin:

Cyan: Mild irritant (rabbit)

Magenta: Non-irritant (rabbit)

Yellow: Non-irritant (rabbit) (Estimate)

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

##### Eye:

Cyan and Magenta: Minimal irritant (rabbit)

Yellow: Minimal irritant (rabbit) (Estimate)

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

#### Sensitization:

##### Skin:

Cyan and Magenta: Non-sensitizer (mouse)

Yellow: Non-sensitizer (mouse) (Estimate)

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

#### Repeated Dose Toxicity:

Not available

#### Carcinogenicity:

Not available

#### Mutagenicity:

Ames test:

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

#### Toxicity for Reproduction:

Not available

#### Other Information:

Not available

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:	Not available
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
Results of PBT and vPvB Assessment:	No results that the component(s) of this ink meet(s) the PBT or vPvB criteria under Regulation (EC) No 1907/2006.
Other Adverse Effects:	Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Treatment Methods:	Disposal should be subject to federal, state and local laws.
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SECTION 14 TRANSPORT INFORMATION

UN Number:	None
UN Proper Shipping Name:	None
Transport Hazard Class:	None
Packing Group:	None
Environmental Hazards:	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
Special Precautions for User:	None

SECTION 15 REGULATORY INFORMATION

< USA Information >

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	

< EU Information >

Safety, Health and Environmental Regulations/Legislation:

(EC) No 1907/2006: Authorisation:	Not regulated
Restriction:	Not regulated
(EC) No 1005/2009:	Not regulated
(EC) No 850/2004:	Not regulated
(EC) No 689/2008:	Not regulated
Others:	None

Chemical Safety Assessment under (EC) No 1907/2006: Not required

< 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**

<EU R-phrase according to 67/548/EEC>

R36: Irritating to eyes.

R41: Risk of serious damage to eyes.

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

<EU Hazard statement according to (EC) No 1272/2008>

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

<Revised information from the previous version>

Entirely revised

<Term explanation>

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

**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
- EU Directive 1999/45/EC
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EC) No 850/2004, (EC) No 689/2008
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substance [NOHSC:1008]

**Abbreviations:**

OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)  
 FHSA: Federal Hazardous Substances Act (USA)  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 SVHC: Substances of Very High Concern  
 IARC: International Agency for Research on Cancer  
 NTP: National Toxicology Program (USA)  
 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 OEL: Occupational exposure limits at Community level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC and 2009/161/EU  
 TWA: Time Weighted Average  
 STEL: Short Term Exposure Limit  
 WHMIS: Workplace Hazardous Materials Information System  
 NOHSC: National Occupational Health and Safety Commission

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