

**MATERIAL SAFETY DATA SHEET**

MSDS #: IC3822-0101

Product Code: 8286B

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

**Product Identifier:**

**Product Name:** Canon FINE Cartridge PG-545XL

**Product Code:** 8286B

**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:**

Ink cartridge containing black liquid ink 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

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## 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>	
Glycerin	56-81-5 / 200-289-5	5 - 10	None	None	None	None	(1)
Glycol	Confidential	5 - 10	None	None	None	None	
Lactam	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:

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:

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

## SECTION 10 STABILITY AND REACTIVITY

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

**SECTION 11 TOXICOLOGICAL INFORMATION**

**Information on Toxicological Effects:**

**Acute Toxicity:**

**Inhalation:**

Not available

**Ingestion:**

Not available

**Corrosivity/Irritation:**

**Skin:**

Non-irritant (rabbit) (Estimate)

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

**Eye:**

Minimal irritant (rabbit) (Estimate)

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

**Sensitization:**

**Skin:**

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

**Toxicity for Reproduction:**

Not available

**Other Information:**

Not available

SECTION 12 ECOLOGICAL INFORMATION

**Toxicity:** Fish, Acute toxicity test:  
96-Hour LC50 > 100 mg/L (Oryzias latipes) (Estimate)  
OECD Guidelines No. 203 (1992)  
Daphnia sp., Acute immobilisation test:  
48-Hour EC50 > 100 mg/L (Daphnia magna) (Estimate)  
OECD Guidelines No. 202 (2004)  
Freshwater Alga and Cyanobacteria, Growth inhibition test:  
EC50 > 100 mg/L (0-72hr), NOEC = 100 mg/L (Desmodesmus subspicatus) (Estimate)  
OECD Guidelines No. 201 (2006), (EC) No 440/2008 Method C.3  
NOEC: No Observed Effect Concentration

**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.

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 %
None	

**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:** This product will not be shipped to Canada.

< Australia Information >

**Statement of Hazardous Nature:** This product will not be shipped to Australia.

**SECTION 16 OTHER INFORMATION**

<EU SDS information>

This safety data sheet (SDS) is supplied voluntarily.

<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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