Product name Canon FINE Cartridge PG-240XL
Product Code(s) 5206B

Product name Canon FINE Cartridge CL-241XL
Product Code(s) 5208B
SECTION 1: Product and company identification

Product Identifier

Product name : Canon FINE Cartridge PG-240XL
Product Code(s) : 5206B
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.
6390 Dixie Road, Mississauga, Ontario L5T 1P7, Canada
Phone number : (1) 905-795-1111
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
Ink cartridge containing black liquid ink 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Glycol</td>
<td>CBI</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Lactam</td>
<td>CBI</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60 - 80</td>
</tr>
</tbody>
</table>

### SECTION 4: First aid measures

**Description of first aid measures**

**Inhalation**
Move to fresh air. Get medical attention immediately if symptoms occur.

**Ingestion**
Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur.

**Skin Contact**
Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.

**Eye Contact**
Flush with plenty of water. Get medical attention immediately if symptoms occur.

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

**Inhalation**
None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

**Ingestion**
None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin Contact**
None under normal use.

**Eye Contact**
None under normal use. May cause slight irritation.

**Chronic Effects**
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 CO2, dry chemical, or foam, Water.

**Unsuitable extinguishing media**
None

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

**Special Hazard**
None

**Hazardous combustion products**
Carbon dioxide (CO$_2$), 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction</td>
<td>None</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/face Protection | Not required under normal use.
Skin Protection | Not required under normal use.
Respiratory Protection | Not required under normal use.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Black ; Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
</tbody>
</table>
pH 8 - 9
Melting/Freezing point (°C) No data available
Boiling Point/Range (°C) No data available
Flash Point (°C) None; estimated
Evaporation Rate No data available
Flammability (solid, gas) Not flammable; Not combustible
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 (CO₂), Carbon monoxide (CO), and/or Ammonia.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity No data available
Skin corrosion/irritation Non-irritant (Estimate) (OECD Guideline)
Serious eye damage/eye irritation Minimal irritant (Estimate) (OECD Guideline)
Sensitization Non-sensitizer (Estimate) (OECD Guideline)
Germ cell mutagenicity  
Ames test: Negative

Carcinogenicity  
No data available

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

Ecotoxicity effects
Fish, 96h LL50 > 1000 mg/l LR WAF, NOEL = 1000mg/l LR WAF (Estimate) (OECD Guideline)
Crustaceans, 48h EL50 > 1000 mg/l LR WAF, NOEL = 1000 mg/l LR WAF (Estimate) (OECD Guideline)
Algae, ErL50(0-72 h) > 1000 mg/l LR WAF, EyL50 (0-72 h) = 840 mg/l LR WAF, NOEL = 320 mg/l LR WAF, LOEL = 1000 mg/l LR WAF (OECD Guideline)
LL: Lethal Loading rate, EL: Effective Loading rate, NOEL: No Observed Effect Loading rate, LOEL: Lowest Observed Effect Loading Rate, LR WAF: Loading Rate Water Accommodated Fraction

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

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 73/78 and the IBC Code

Not Applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA Sec. 4,5,6,7,8,12b</td>
<td>None</td>
</tr>
<tr>
<td>SARA Title III Sec. 313</td>
<td>None</td>
</tr>
<tr>
<td>California Proposition 65</td>
<td>None</td>
</tr>
<tr>
<td>CEPA Sec. 81</td>
<td>None (Manufactured Item)</td>
</tr>
<tr>
<td>HPA (WHMIS)</td>
<td>None (Manufactured Article)</td>
</tr>
<tr>
<td>Other Information</td>
<td>None</td>
</tr>
</tbody>
</table>

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
- 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
- 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: 31-May-2011
Revision date: 27-Feb-2015
Revision Note: Entirely revised
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.
SECION 1: Product and company identification

Product Identifier

Product name: Canon FINE Cartridge CL-241XL
Product Code(s): 5208B
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.
6390 Dixie Road, Mississauga, Ontario L5T 1P7, Canada
Phone number: (1) 905-795-1111
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

SECION 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
SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Ethylene urea</td>
<td>120-93-4</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl),.alpha...alpha.'-[1,4-dimethyl-1,4-bis(2-methylpropyl)-2-butyne-1,4-diyl]bis[omega-hydroxy-]</td>
<td>9014-85-1</td>
<td>0.1 - 5</td>
</tr>
<tr>
<td>Substituted phthalocyanine salt (Contained in cyan ink)</td>
<td>CBI</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Substituted phthalocyanine salt (Contained in cyan ink)</td>
<td>CBI</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Pyridine Azo dye (Contained in magenta ink)</td>
<td>CBI</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Glycol</td>
<td>CBI</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60 - 80</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

**Description of first aid measures**

**Inhalation**
Move to fresh air. Get medical attention immediately if symptoms occur.

**Ingestion**
Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur.

**Skin Contact**
Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.

**Eye Contact**
Flush with plenty of water. Get medical attention immediately if symptoms occur.

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

**Inhalation**
None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

**Ingestion**
None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin Contact**
None under normal use.

**Eye Contact**
None under normal use. May cause slight irritation.

**Chronic Effects**
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 CO2, dry chemical, or foam, Water.

**Unsuitable extinguishing media**
None
Special hazards arising from the substance or mixture

Special Hazard
None

Hazardous combustion products
Carbon dioxide (CO₂), 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin 56-81-5</td>
<td>TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction</td>
<td>None</td>
</tr>
</tbody>
</table>

Appropriate engineering controls
None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/face Protection
Not required under normal use.

Skin Protection
Not required under normal use.

Respiratory Protection
Not required under normal use.

SECTION 9: Physical and chemical properties
**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Cyan, Magenta, Yellow; Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>6 - 9</td>
</tr>
<tr>
<td>Melting/Freezing point (°C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Range (°C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>None; estimated</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable; Not combustible</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>None; estimated</td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>None; estimated</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.0 - 1.1</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Water; miscible</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature (°C)</td>
<td>None; estimated</td>
</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity (mPa s)</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

**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 (CO₂), Carbon monoxide (CO), and/or Ammonia.

---

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

No data available
Skin corrosion/irritation: All colors: Non-irritant (OECD Guideline)

Serious eye damage/eye irritation: All colors: Mild irritant (OECD Guideline)

Sensitization: All colors: Non-sensitizer (OECD Guideline)

Germ cell mutagenicity: Ames test:
   All colors: Negative

Carcinogenicity: No data available

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

Ecotoxicity effects
   Cyan and Yellow: No data available
   Magenta:
   Fish, 96h LC50 > 100 mg/L (Estimate) (OECD Guideline)
   Crustaceans, 48h EC50 > 100 mg/L (Estimate) (OECD Guideline)
   Algae, EC50 (0-7day) > 100 mg/L, NOEC = 100 mg/L (Estimate) (OECD Guideline)
   NOEC: No Observed Effect Concentration

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
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  “Copper Compounds” (Contained in cyan ink) : 5 - 10 Weight % (as Cu : < 0.35 Weight %)
California Proposition 65  None
CEPA Sec. 81  None (Manufactured Item)
HPA (WHMIS)  None (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
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
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