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

Product Identifier:

Product Name: Canon BJ FAX Cartridge BX-20
Product Code: 0896A / F45-1111

Relevant Identified Uses: Ink for Ink Jet Printer

Details of Supplier of Safety Data Sheet:

Supplier: Canon USA, Inc.,
Address: One Canon Park, Melville, NY 11747, USA
Telephone Number: 1-800-OK-CANON
E-mail Address: 

Emergency Telephone Number: 24 Hr. Emergency CHEMTREC # 1-800-424-9300

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
### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Substance or Mixture:** Mixture

<table>
<thead>
<tr>
<th>Ingredient(s):</th>
<th>CAS #/ EC #</th>
<th>Concentration Range (%)</th>
<th>EU Classification according to 67/548/EEC</th>
<th>EU Classification according to (EC) No 1272/2008</th>
<th>Note to Other Hazards*2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name/ Generic Name</td>
<td>Symbol/ Indication of Danger</td>
<td>R-Phrase*1</td>
<td>Hazard Class/ Category Code</td>
<td>Hazard Statement*2</td>
<td></td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5/200-289-5</td>
<td>5 - 10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>107-21-1/203-473-3</td>
<td>5 - 10</td>
<td>Xn / Harmful</td>
<td>R22</td>
<td>Acute Tox. 4</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0/200-661-7</td>
<td>1 - 5</td>
<td>F / Highly flammable</td>
<td>R11</td>
<td>Flam. Liq. 2</td>
</tr>
<tr>
<td>Ammonia derivative</td>
<td>Confidential</td>
<td>5 - 10</td>
<td>Xi / Irritant</td>
<td>R36</td>
<td>Eye Irrit. 2</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5/231-791-2</td>
<td>60 - 80</td>
<td>None</td>
<td>R67</td>
<td>STOT SE 3</td>
</tr>
</tbody>
</table>

*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 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.

**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:**
CO₂, water, foam or dry chemicals

**Unsuitable Extinguishing Media:**
None

**Special Hazards:**
None

**Hazardous Combustion Products:**
CO, CO₂, NOx and SOx

**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.

Date of Issue: November 20, 1998
Revision Date: September 22, 2011
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 away from heat and flame.
- 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:  

<table>
<thead>
<tr>
<th></th>
<th>USA OSHA PEL</th>
<th>ACGIH TLV</th>
<th>EU OEL</th>
<th>DFG MAK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product (Ink)</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Glycerin</td>
<td>Glycerin mist; TWA 15 mg/m³ (Total dust) TWA 5 mg/m³ (Respirable fraction)</td>
<td>Glycerin mist; TWA 10 mg/m³</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>Not established</td>
<td>aerosol: Ceiling 100 mg/m³</td>
<td>TWA 20 ppm, 52 mg/m³ STEL 40 ppm, 104 mg/m³</td>
<td>10 ppm, 26 mg/m³</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>TWA 400 ppm, 980 mg/m³</td>
<td>TWA 200 ppm, 492 mg/m³ STEL 400 ppm, 984 mg/m³</td>
<td>Not established</td>
<td>200 ppm, 500 mg/m³</td>
</tr>
</tbody>
</table>

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

Date of Issue: November 20, 1998  
Revision Date: September 22, 2011
### 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>pH</td>
<td>10 - 11</td>
</tr>
<tr>
<td>Melting Point/Freezing Point (°C):</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range (°C):</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point(°C):</td>
<td>49.0 (Tag Closed Cup. Combustion is not sustainable.)</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Classified as &quot;combustible liquid&quot; under OSHA-HCS.</td>
</tr>
<tr>
<td></td>
<td>Not classified as &quot;flammable&quot; or &quot;combustible&quot; under FHSA.</td>
</tr>
<tr>
<td>Upper/Lower Flammable or Explosive Limits:</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density:</td>
<td>1.0 - 1.1</td>
</tr>
<tr>
<td>Water Solubility:</td>
<td>Miscible</td>
</tr>
<tr>
<td>Fat Solubility:</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient (n-Octanol/Water):</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature (°C):</td>
<td>500 - 550 (ASTM-E659) (Estimate)</td>
</tr>
<tr>
<td>Decomposition Temperature(°C):</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity (mPa s):</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Explosive Properties:</td>
<td>None (Estimate)</td>
</tr>
<tr>
<td>Oxidizing Properties:</td>
<td>None (Estimate)</td>
</tr>
<tr>
<td>Other Information:</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### SECTION 10 STABILITY AND REACTIVITY

**Reactivity:** None

**Chemical Stability:**

- [x] Stable  
- [ ] Unstable

**Possibility of Hazardous Reactions:** None

**Conditions to Avoid:** None

**Incompatible Materials:** Acids, bases, oxidizing materials and reducing agents

**Hazardous Decomposition Products:** CO, CO₂, NOₓ, SOₓ and Ammonia
SECTION 11   TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

Acute Toxicity:
  Inhalation: Not available
  Ingestion: Not available

Corrosivity/Irritation:
  Skin: Non-irritant (rabbit)
    OECD Guidelines No. 404 (1992), 92/69/EEC Method B4
  Eye: Minimal irritant (rabbit)
    OECD Guidelines No. 405 (1992), 92/69/EEC Method B5

Sensitization:
  Skin: Non-sensitizer (guinea pig)
    OECD Guidelines No. 406 (1992), 96/54/EC Method B6

Repeated Dose Toxicity: Not available

Carcinogenicity: Not available

Mutagenicity:
  Ames test: Negative (S. typhimurium)

Toxicity for Reproduction: Not available

Other Information: Not available
SECTION 12  ECOLOGICAL INFORMATION

Persistence: 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:
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Ethylene glycol&quot; (107-21-1)</td>
<td>5 - 10</td>
</tr>
</tbody>
</table>

California Proposition 65:
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
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

<CATEGORY 3 Ingredient(s) / substance name>
"C.I. Direct Black 195":
5-(4-(7-amino-1-hydroxy-3-sulphonate-2-naphthylazo)-1-naphthylazo)isophthalic acid (ammonium salt)

<EU R-phrase according to 67/548/EEC>
R11: Highly flammable.
R22: Harmful if swallowed.
R36: Irritating to eyes.
R41: Risk of serious damage to eyes.
R67: Vapours may cause drowsiness and dizziness.

<EU Hazard statement according to (EC) No 1272/2008>
H225: Highly flammable liquid and vapour.
H302: Harmful if inhaled.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H336: May cause drowsiness and dizziness.

<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
- DFG, List of MAK and BAT Values
- EU Directive 1999/45/EC
- Canada Workplace Hazardous Materials Information System

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: Permissible Exposure Limit
ACGIH TLV: Threshold Limit Value
DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft
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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