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

**Product Name:** Canon BJ FAX Cartridge BX-2  
**Product Code:** 0882A / H11-6331  
**Manufacturer:** Canon Inc., 0-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Phone #, 03-3758-2111  
**Supplier:** Canon USA, Inc., One Canon Park, Melville, NY 11747, USA  
**Phone #:** 1-800-OK-CANON, 24 Hr. CHEMTREC # 1-800-424-9300

## SECTION 2
COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Chemical Name / Generic name</th>
<th>CAS # / EC #</th>
<th>Weight %</th>
<th>EU Symbol / R-Phrase</th>
<th>USA</th>
<th>ACGIH TLV</th>
<th>EU ILV</th>
<th>DFG MAK</th>
</tr>
</thead>
</table>
| Glycerin      | 56-81-5 / 200-289-5         | 2 - 6        | None / None | (as mist) Total dust TWA = 15 mg/m³  
|               |                             |              |          | Respirable fraction TWA = 5 mg/m³ |     |            |        |         |
| Thiodiglycol  | 111-48-8 / 203-874-3        | 2 - 6        | Xi / R36  | Not established |     | Not established | Not established | Not established |
| Isopropyl alcohol | 67-63-0 / 200-661-7     | 2 - 6        | F / R11  
|               |                             |              | Xi / R36  | TWA = 400 ppm, 980 mg/m³ | TWA = 400 ppm, 983 mg/m³  
|               |                             |              | R67       | STEL = 500 ppm, 1230 mg/m³ |     |            |        |         |
| Ammonia derivative | Confidential               | 2 - 6        | None / None | Not established |     | Not established | Not established | Not established |
| Water         | 7732-18-5 / 231-791-2       | 65 - 85      | None / None | Not established |     | Not established | Not established | Not established |

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**Revised:** June 26, 2002
MARTIAL SAFETY DATA SHEET

SECTION 3 HAZARDS IDENTIFICATION

Potential Health Effects and Symptoms:

Inhalation:
- No adverse effects are expected under intended use.
- Glycerin mist may cause physical irritation and difficulty breathing.
- Over exposure to isopropyl alcohol may cause headache, nausea, dizziness, vomiting, drowsiness, cough and sore throat.

Ingestion:
- Ingestion of glycerin and/or isopropyl alcohol may cause nausea, drowsiness, dizziness, vomiting, abdominal pain, headache, sore throat and dullness.

Eye:
- May be no irritation based on the animal test data of this ink. (See SECTION 11)

Skin:
- May cause mild irritation and no sensitization based on the animal test data of this ink. (See SECTION 11)

Chronic Effects:
- Not identified

Medical Conditions Generally known to be Aggravated by Exposure:
- Not identified

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 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:
CO₂, water, foam or dry chemicals

Unsuitable Extinguishing Media:
None

Special Fire Fighting Procedures:
None

Unusual Fire and Explosion Hazards:
None

SECTION 6  ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Avoid contact with skin, eyes and clothing.
Avoid breathing vapor or mist.

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:
Avoid breathing vapor or mist.
Avoid contact with skin, eyes and clothing. When contact, wash out immediately.
Use with adequate ventilation.

Storage:
Keep in a cool and dry place. Protect from sunlight.
Keep away from heat and flame.
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. (Also refer to SECTION 2)

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

<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>6.5 - 8.0</td>
</tr>
<tr>
<td>Boiling Point/Range(°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point/Range(°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature(°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point(°C)</td>
<td>48.5 (Tag.closed cup. Do not sustain combustion.)</td>
</tr>
<tr>
<td>Flammable (Explosive) Limits</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition Temperature(°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability</td>
<td>Classified as &quot;Combustible liquid&quot; under OSHA-HCS. Not classified as &quot;flammable&quot; or &quot;combustible&quot; under FHSA. Not classified as &quot;flammable&quot; under 1999/45/EC.</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>None</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>None</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Density / Specific Gravity</td>
<td>1.04 - 1.10</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>Percent Volatile (%)</td>
<td>65 - 85</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity (mPa s)</td>
<td>1.5 - 2.1</td>
</tr>
</tbody>
</table>

## SECTION 10  STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>□ Stable</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>Acids, bases, oxidizing materials and reducing agents</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>CO, CO₂, NOₓ, Ammonia and SOₓ</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>□ May Occur</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None</td>
</tr>
</tbody>
</table>

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## TOXICOLOGICAL INFORMATION

### Acute Toxicity:

**Inhalation:**
Not available

**Ingestion:**
LD50 > 5000 mg/kg, 0/10 Mortality, a dose level of 5000 mg/kg (rat)
OECD Guidelines No.401 (1981)
84/449/EEC Method B1
16 CFR Sec.1500.3

**Eye:**
Non irritant (rabbit)
16 CFR Sec.1500.42

**Skin:**
Acute dermal irritation:
Mild irritant, Primary Irritation Index = 0.3 (rabbit)
16 CFR Sec.1500.41

Acute dermal toxicity:
LD50 > 2000 mg/kg, 0/10 Mortality, a dose level of 2000 mg/kg (rat)

**Sensitization:**
Non sensitizer, Sensitization rate = 0 % (0/10) (guinea pig)
96/54/EC Method B6

**Mutagenicity:**
Ames test: Negative (test strains: *S.typhimurium*)

Chromosome aberration test: Negative
(test strains: *Human peripheral blood lymphocytes & A Chinese hamster fibroblast cell line isolated from the lung*)

**Reproductive Toxicity:**
Not available

**Carcinogenicity:**
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.

**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 CONSIDERATION

Method of Disposal:
Disposal may 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

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):
None

Special Precautions under 1999/45/EC Annex V:
Safety data sheet available for professional user on request.

Specific Provisions in Relation to Protection of Man or the Environment:
76/769/EEC: Not regulated
(EC)2037/2000: Not regulated
(EEC)2455/92: Not regulated
Others: None

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### Information on the Label under FHSA:

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Not required</th>
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</thead>
<tbody>
<tr>
<td>Hazard warning</td>
<td>Not required</td>
</tr>
<tr>
<td>Safety Advice</td>
<td>Not required</td>
</tr>
<tr>
<td>Hazardous Component(s):</td>
<td>None</td>
</tr>
</tbody>
</table>

### SARA Title III §313:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

### California Proposition 65:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

### WHMIS Controlled Product:  
Not applicable (Manufactured article)

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

### SECTION 16 OTHER INFORMATION

- R11 : Highly flammable.
- R36 : Irritating to eyes.
- R67 : Vapours may cause drowsiness or dizziness.

Entirely revised.
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