## Section 1: Identification of the Substance/Preparation and of the Company/Undertaking

**Product Name:** Canon BJ Cartridge BC-40C  
**Product Code:** 0891A / F45-0491  
**Manufacturer:** Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Phone # 03-3758-2111  
**Supplier:** Canon USA, Inc., One Canon Plaza, Lake Success, NY, 11042, USA  
**Phone #:** 1-800-OK-CANON, 24 Hr. Emergency CHEMTREC # 1-800-424-9300

## Section 2: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name / Generic name</th>
<th>CAS # / EC #</th>
<th>Weight %</th>
<th>EU Symbol / R-Phrase</th>
<th>USA OSHA PEL</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 | Not established | Not established |
| Thiodiglycol                 | 111-48-8/203-874-3 | 2 - 6 | Xi / R36 | Not established | Not established |
| Isopropyl alcohol            | 67-63-0/200-661-7 | 2 - 6 | F / R11  
Xi / R36  
R67 | TWA = 400 ppm,  
980 mg/m³  
TWA = 400 ppm,  
983 mg/m³  
STEL = 500 ppm,  
1230 mg/m³ | Not established | Not established |
| Copper, (29H,31H-phthalocyanato(2-)N29,N30,N31,N32) -aminosulfonyl sulfo derivs., sodium salts | 90295-11-7/291-001-7 | 1 - 3 | Xi / R36 | Not established | Not established |
| Ammonia derivative           | Confidential | 2 - 6 | None / None | Not established | Not established |
| Water                        | 7732-18-5/231-791-2 | 65 - 85 | None / None | Not established | Not established |

Date of Issue: October 1, 1996  
Revised: June 26, 2002
SECTION 3 HAZARDS IDENTIFICATION

EU Classification:
Not classified as dangerous.

Emergency Overview:
Ink cartridge containing cyan liquid ink with slight odor.

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 cause minimal irritation based on the animal test data of this ink. (See SECTION 11)

Skin:
May be no 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

Fire and Explosive Properties (See also Section 9):

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

Other Properties:
- 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>Cyan liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 - 8.5</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>Estimate : 48 - 52 (Tag.closure cup. Estimate : 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>1.4 - 2.0</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>Unstable</td>
<td></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>Will Not Occur</td>
<td></td>
</tr>
<tr>
<td>Conditions to Avoid:</td>
<td>None</td>
</tr>
</tbody>
</table>

Date of Issue: October 1, 1996  
Revised: June 26, 2002
SECTION 11    TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation:
Not available

Ingestion:
Not available

Eye:
Minimal irritant, Maximum Group Mean Score = 6.0 (Class 3) (rabbit)
OECD Guidelines No.405 (1987)
92/69/EEC Method B5

Skin:
Non irritant, Primary Irritation Index = 0.0 (rabbit)
OECD Guidelines No.404 (1992)
92/69/EEC Method B4

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

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

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
Chemical name (wt%): None

SECTION 15 REGULATORY 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

Date of Issue: October 1, 1996
Revised: June 26, 2002
Information on the Label under FHSA:

Signal Word: Not required

Hazard warning: Not required

Safety Advice: Not required

Hazardous Component(s): None

SARA Title III §313:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Copper Compounds&quot;</td>
<td>1 - 3</td>
</tr>
<tr>
<td>(as Cu)</td>
<td>(&lt; 0.35)</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>

< USA Information >

WHMIS Controlled Product: Not applicable (Manufactured article)

< Canada Information >

< Australia Information >

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

SECTION 16 OTHER INFORMATION

<R phrase list>
R11 : Highly flammable.
R36 : Irritating to eyes.
R67 : Vapours may cause drowsiness or dizziness.
Literature Reference:

- 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 Regulation (EC)2037/2000, (EC)2455/92
- Canada Workplace Hazardous Materials Information System

Abbreviations:

EU: European Union.
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 Hygenists.
DFG MAK: MAK(Maximale Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.
TWA: Time Weighted Average.
IARC: International Agency for Research on Cancer.
NTP: National Toxicology Program (USA).
OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA).
FHSA: Federal Hazardous Substances Act (USA).

The information, data and recommendations set forth herein (the "Information") are presented in good faith and are believed to be correct as of the date hereof. The company/manufacturer makes no representations as to the completeness or accuracy of the Information and disclaims responsibility for any reliance thereon. The Information is provided upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. Any use of the Information must be determined by the user to be in accordance with applicable Federal, state and local laws and regulations. In no event will the company/manufacturer be responsible for damages of any nature whatsoever resulting from the use or reliance upon the Information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE WITH RESPECT TO THE INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.