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

**Product Name:** Canon BJ Cartridge BC-01  
**Product Code:** 0879A / F45-0014  
**Manufacturer:** Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Ph#03-3758-2111.  
**Supplier:** Canon USA Inc., One Canon Park, Melville, NY 11747, USA  
**Phone #:** 1-800-OK-CANON 24Hr. 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>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5 / 200-289-5</td>
<td>2 - 6</td>
<td>None / None</td>
<td>(as mist) Total dust TWA = 15 mg/m³ Respirable fraction TWA = 5 mg/m³</td>
<td>(as mist) TWA = 10 mg/m³</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Thiodiglycol</td>
<td>111-48-8 / 203-874-3</td>
<td>2 - 6</td>
<td>Xi / R36</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0 / 200-661-7</td>
<td>2 - 6</td>
<td>F / R11 Xi / R36 R67</td>
<td>TWA = 400 ppm, 980 mg/m³</td>
<td>TWA = 400 ppm, 983 mg/m³ STEL = 509 ppm, 1230 mg/m³</td>
<td>Not established</td>
<td>200 ppm, 500 mg/m³</td>
</tr>
<tr>
<td>Ammonia derivative</td>
<td>Confidential</td>
<td>5 - 10</td>
<td>None / None</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5 / 231-79-12</td>
<td>65 - 85</td>
<td>None / None</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

Date of Issue: December 14, 1992  
Revised: February 21, 2003
No irritation is expected. (See SECTION 11)

Eye:
May cause mild irritation and no sensitization. (See SECTION 11)

Skin:
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.

Inhalation:
May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

Eye:
No irritation is expected. (See SECTION 11)

Skin:
May cause mild irritation and no sensitization. (See SECTION 11)

Chronic Effects:
Not identified

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

SECTION 3 HAZARDS IDENTIFICATION
EU Classification:
Not classified as dangerous.

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

Potential Health Effects and Symptoms:

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.

Eye:
No irritation is expected. (See SECTION 11)

Skin:
May cause mild irritation and no sensitization. (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 lukewarm, gently flowing 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.

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:
- Use with adequate ventilation.
- Avoid contact with skin, eyes and clothing.
- In case of contact, wash out the contaminated area immediately.

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. (See also SECTION 2)

Engineering Controls:
- Use adequate ventilation.

Personal Protection Equipment(s):
- Respiratory Protection: ☒ Not Required
- Eye/Face Protection: ☒ Not Required
- Skin Protection: ☒ Not Required

Date of Issue: December 14, 1992  Revised: February 21, 2003
SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

Appearance:  Black liquid
Odor:  Slight odor
pH:  6.5 - 8.0
Boiling Point/Range(°C):  Not available
Melting Point/Range(°C):  Not available
Decomposition Temperature(°C):  Not available
Flash Point(°C):  48.5 (Tag Closed Cup. Combustion is not sustainable.)
Flammable (Explosive) Limits:  Not available
Autoignition Temperature(°C):  Not available
Flammability:  Classified as "Combustible liquid" under OSHA-HCS.
Not classified as "flammable" or "combustible" under FHSA.
Not classified as "flammable" under 1999/45/EC.

Explosive Properties:  None
Oxidizing Properties:  None
Vapor Pressure:  Not available
Vapor Density:  Not available
Density / Specific Gravity:  1.04 - 1.10
Water Solubility:  Miscible
Fat Solubility:  Not available
Partition Coefficient (n-Octanol/Water):  Not available
Percent Volatile (%):  65 - 85
Evaporation Rate:  Not available
Viscosity (mPa s):  1.5 - 2.1

SECTION 10  STABILITY AND REACTIVITY

Stability:  ✗ Stable
☐ Unstable
Conditions to Avoid:  None
Materials to Avoid:  Acids, bases, oxidizing materials and reducing agents
Hazardous Decomposition Products:  CO, CO₂, NOx, Ammonia and SOx
Hazardous Polymerization:  ☐ May Occur
☒ Will Not Occur
Conditions to Avoid:  None
SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation:
Not available

Ingestion:
LD50 > 5000 mg/kg, 0/10 mortalities at 5000 mg/kg (rat)
OECD Guidelines No.401 (1981)
84/449/EEC Method B1
FHSA 16 CFR Sec.1500.3

Ingestion:
LD50 > 2000 mg/kg, 0/10 mortalities at 2000 mg/kg (rat)

Eye:
Non irritant (rabbit)
FHSA 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 mortalities at 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:
Not available

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 CONSIDERATIONS**

**Method of Disposal:**
Disposal should 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
- [x] No

**Chemical name (wt%):**

**Special Precautions:** None

**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:** Not required

**Specific Provisions in Relation to Protection of Man or the Environment:**

- **76/769/EEC:** Not regulated
- **(EC)2037/2000:** Not regulated
- **(EC)304/2003:** Not regulated

**Others:** None

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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:

Chemical Name | Weight %
--- | ---
None | 

California Proposition 65:

Chemical Name | Weight %
--- | ---
None | 

< 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

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

<Revised information from the previous version>
Entirely revised.

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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
- 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 Hygienists.
DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.
TWA: Time Weighted Average.
STEL: Short Term Exposure Limit.
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).

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