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

| Product Name: | Canon Ink Cartridge BCI-18Color |
| Product Code: | 0963A / F47-2741 |
| Manufacturer: | Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Ph# 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>Ingredient(s)</th>
<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>5 - 10</td>
<td>None / None</td>
<td>(as mist) TWA = 15 mg/m³</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thiodiglycol</td>
<td>111-48-8 / 203-874-3</td>
<td>5 - 10</td>
<td>Xi / R36</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
<tr>
<td>Copper compound</td>
<td>Confidential</td>
<td>2 - 6</td>
<td>None / None</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Copper and its compounds Inhalable fraction 1.0 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0 / 200-661-7</td>
<td>1 - 3</td>
<td>F / R11</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>
<td></td>
</tr>
<tr>
<td>C.I. Direct Violet 107</td>
<td>413-180-4</td>
<td>1 - 3</td>
<td>Xi / R41</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
<tr>
<td>C.I. Direct Yellow 173</td>
<td>414-410-6</td>
<td>1 - 3</td>
<td>Xi / R41</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl)</td>
<td>9014-85-1</td>
<td>1 - 3</td>
<td>Xi / R41</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5 / 231-79-12</td>
<td>60 - 80</td>
<td>None / None</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
</tbody>
</table>

Date of Issue: November 12, 1999  Revised: July 15, 2003
< Carcinogen >

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.

SECTION 3  HAZARDS IDENTIFICATION

EU Classification:
Not classified as dangerous.

Emergency Overview:
A set of three colors ink cartridges. (Cyan, Magenta and Yellow)
All the ink is liquid mixture 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:
May cause minimal irritation. (See SECTION 11)

Skin:
Neither irritation nor sensitization is expected. (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

Date of Issue: November 12, 1999
Revised: July 15, 2003
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: ☑ Required

Eye/Face Protection: ☑ Required

Skin Protection: ☑ Required

Date of Issue: November 12, 1999
Revised: July 15, 2003
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Cyan, magenta and yellow liquid

Odor: Slight odor

pH: 8.2 - 10.3

Boiling Point/Range(°C): Not available

Melting Point/Range(°C): Not available

Decomposition Temperature(°C): Not available

Flash Point(°C): Estimate: 55 - 57 (Tag Closed Cup. Combustion is not sustainable.)

Flammable (Explosive) Limits: Not available

Autoignition Temperature(°C): Estimate: 470 - 490 (ASTM-E659)

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 (%): 60 - 80

Evaporation Rate: Not available

Viscosity (mPa s): 1.9 - 2.6

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:
   Not available

Eye:
   Cyan: Minimal irritant, Maximum Group Mean Score = 5.3, Class 3 (rabbit)
   Magenta: Minimal irritant, Maximum Group Mean Score = 3.3, Class 3 (rabbit)
      OECD Guidelines No.405 (1987)
      92/69/EEC Method B5
   Yellow: Minimal irritant, Maximum Group Mean Score = 4.0 (rabbit)
      EPA(FIFRA) Pesticide Assessment Guideline par.81-4
      EPA(TSCA) Federal Regulation Subpart E Sec.798.4500

Skin:
   Cyan and Magenta: Non irritant, Primary Irritation Index = 0.0 (rabbit)
      OECD Guidelines No.404 (1992)
      92/69/EEC Method B4
   Yellow: Non irritant, Primary Irritation Index = 0.0 (rabbit)
      EPA(FIFRA) Pesticide Assessment Guideline par.81-5
      EPA(TSCA) Federal Regulation Subpart E Sec.798.4470

Sensitization:
   Magenta: Non sensitizer, Sensitization rate = 0 % (0/10) (guinea pig)
      96/54/EC Method B6
   Cyan and Yellow: Non sensitizer, Sensitization rate = 0 % (0/10) (guinea pig)
      92/69/EEC Method B6

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

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 CONSIDERATION

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  Chemical name (wt%):
No
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

Date of Issue: November 12, 1999  Revised: July 15, 2003
**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; (Contained only in cyan ink) (as Cu)</td>
<td>2 - 6 (&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>

---

**SECTION 16 OTHER INFORMATION**

*C. I. Direct Violet 107 :*

- A mixture of: sodium 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonanaphthalen-1-ylamino]-1-hydroxy-3,6-disulfonatoanaphthalen-2-ylazo]-isophthalic acid"*

**R phrase list**


<Revised information from the previous version>
Entirely revised.

---

**Date of Issue:** November 12, 1999  
**Revised:** July 15, 2003
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.

Date of Issue: November 12, 1999
Revised: July 15, 2003