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

**Product Name:** Canon Ink Tank BCI-16 Color  
**Product Code:** 9818A  
**Manufacturer:** Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan, Ph# 03-3857-2111  
**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 | 1 - 10 | None / None | (as mist) | Total dust TWA = 15 mg/m³  
Respirable fraction TWA = 5 mg/m³ | (as mist) | TWA = 10 mg/m³ | Not established | Not established |
| Ethylene glycol             | 107-21-1 / 203-473-3 | 5 - 10 | Xn / R22 | Not established | Ceiling = 100 mg/m³ | TWA = 20 ppm, 52 mg/m³  
STEL = 40 ppm, 104 mg/m³ | 10 ppm, 26 mg/m³ |
| Diethylene glycol           | 111-46-6 / 203-872-2 | 5 - 10 | Xn / R22 | Not established | Not established | Not established | 10 ppm, 44 mg/m³ |
| Substituted phthalocyanine  | Confidential | 5 - 10 | Xi / R41  
R52/53 | Not established | Not established | Not established | Not established |
| Poly(oxy-1,2-ethanediyl), alpha, alpha-[1,4-dimethyl-1,4-bis(2-methylpropyl)-2-butyne-1,4-diy]bis(omega-hydroxy- | 9014-85-1 / Not applicable | 0.1 - 5 | Xi / R41 | Not established | Not established | Not established | Not established |
| Ammonia derivative          | Confidential | 10 - 15 | None / None | Not established | Not established | Not established | Not established |
| Magenta dye                 | Confidential | 5 - 10 | None / None | Not established | Not established | Not established | Not established |
| Lactam                      | Confidential | 5 - 10 | None / None | Not established | Not established | Not established | Not established |
| Water                       | 7732-18-5 / 231-791-2 | 60 - 80 | None / None | Not established | Not established | Not established | Not established |

**Date of Issue:** July 23, 2004  
**Revised:** March 9, 2006
Section 3  HAZARDS IDENTIFICATION
EU Classification:
Not classified as dangerous.

Emergency Overview:
A three-color ink tank. (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:
Cyan and Magenta: May cause slight irritation.
Yellow: No irritation is expected.
(See SECTION 11)

Skin:
Cyan: May cause no irritation and mild sensitization.
Magenta and Yellow: 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 immediately.

Note to Physicians:
None

Date of Issue:  July 23, 2004  Revised:  March 9, 2006
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 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
☒ 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, magenta and yellow liquid</td>
</tr>
<tr>
<td>Odor:</td>
<td>Slight odor</td>
</tr>
<tr>
<td>pH:</td>
<td>7 - 10</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>None (Tag. Closed Cup.)</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>Neither flammable nor combustible.</td>
</tr>
<tr>
<td>Explosive Properties:</td>
<td>Estimate: None</td>
</tr>
<tr>
<td>Oxidizing Properties:</td>
<td>Estimate: 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>1.0 - 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>Percent Volatile (%):</td>
<td>60 - 80</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity (mPa s):</td>
<td>1 - 5</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, SOx and Ammonia</td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td>May Occur</td>
</tr>
<tr>
<td>Conditions to Avoid:</td>
<td>None</td>
</tr>
</tbody>
</table>
SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation:
Not available

Ingestion:
All colors: LD$_{50}$ > 2000 mg/kg (rat) 
OECD Guidelines No.423 (2001), 96/54/EC Method B1 tris

Eye:
Cyan and Magenta: Slightly irritating (rabbit) 
Yellow: Practically non-irritating (rabbit) 

Skin:
Cyan and Yellow: Not irritant (rabbit) 
Magenta: Considered to be "not irritating" based on the classification criteria under 2001/59/EC (rabbit) 

Sensitization:
Cyan: Mild sensitizer (guinea pig) 
Magenta and Yellow: Non-sensitizer (guinea pig) 
OECD Guidelines No.406 (1992), 96/54/EC Method B6

Mutagenicity:
Ames test: 
All colors: Negative (S. typhimurium & E. Coli)

Reproductive Toxicity:
Not available

Carcinogenicity:
Not available

Others:
Not available

Date of Issue: July 23, 2004
Revised: March 9, 2006
### 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

<table>
<thead>
<tr>
<th><strong>UN #</strong></th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN Shipping Name</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>UN Classification</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>UN Packing Group</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Marine Pollutant</strong></td>
<td>No</td>
</tr>
</tbody>
</table>

**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):** Not required  
  - **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:** July 23, 2004  
**Revised:** March 9, 2006
Information on the Label under FHSA:

**Signal Word:** Not required

**Hazard warning:** Not required

**Safety Advice:** Not required

**Hazardous Component(s):** Not required

### 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) (Contained in cyan and magenta ink)</td>
<td>5 - 10</td>
</tr>
<tr>
<td>&quot;Copper Compounds&quot; (Contained in cyan ink)</td>
<td>5 - 10</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)

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

### SECTION 16 OTHER INFORMATION

- **R phrase list**
  - R22: Harmful if swallowed.
  - R41: Risk of serious damage to eyes.
  - R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- <Revised information from the previous version>
  - Section 2, 3, 9, 11 and 15
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
- 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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