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

**Product Name:** Canon Ink Tank BCI-6C  
**Product Code:** 4706A / F47-3231  
**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  
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>ACGIH TLV</th>
<th>EU ILV</th>
<th>DFG MAK</th>
</tr>
</thead>
</table>
| Glycerin      |                            | 56-81-5 / 200-289-5 | 5 - 10 | None / None | (as mist) Total dust TWA = 15 mg/m³  
Respirable fraction TWA = 5 mg/m³ | Not established | Not established |
| Ethylene glycol |                            | 107-21-1 / 203-473-3 | 2 - 6 | Xn / R22 | (aerosol) 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 | 2 - 6 | Xn / R22 | Not established | Not established | Not established |
| Copper, (2H,3H,31H,32H-phthalocyaninato(2-)-N2  
9,N30,N31,N32)-aminosulfonyl sulfo derivs., sodium salts | Confidential | 90295-11-7 / 291-001-7 | 2 - 6 | Xi / R41 | Not established | Not established | Copper and its compounds Inhalable fraction 1.0 mg/m³ |
| Isopropyl alcohol |                            | 67-63-0 / 200-661-7 | 1 - 3 | F / R11  
Xi / R36  
R67 | TWA = 400 ppm, 980 mg/m³ | TWA = 200 ppm, 492 mg/m³  
STEL = 400 ppm, 984 mg/m³ | Not established |
| Ammonia derivative | Confidential |                      | 5 - 10 | None / None | Not established | Not established | Not established |
| Lactam | Confidential |                      | 5 - 10 | None / None | Not established | Not established | Not established |
| Water |                            | 7732-18-5 / 231-791-2 | 55 - 75 | None / None | Not established | Not established | Not established |

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MATERIAL SAFETY DATA SHEET

MAY cause minimal irritation. (See SECTION 11)

Skin:
No adverse effects are expected under intended use.

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

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

Inhalation:
If symptoms are experienced, move victim to fresh air and obtain medical advice.

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 3 HAZARDS IDENTIFICATION
EU Classification:
Not classified as dangerous.

Emergency Overview:
Ink tank containing cyan 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:
May cause minimal irritation. (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.
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, and NOx

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
- ☑ Not Required

Eye/Face Protection:
- ☐ Required
- ☑ Not Required

Skin Protection:
- ☐ Required
- ☑ Not Required

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SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Cyan liquid

**Odor:** Slight odor

**pH:** Not available

**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.)

**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 (%):** 55 - 75

**Evaporation Rate:** Not available

**Viscosity (mPa s):** 2 - 3

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 and Ammonia

**Hazardous Polymerization:** 

☐ May Occur

☒ Will Not Occur

**Conditions to Avoid:** None
SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation:
Not available

Ingestion:
[Data of similar composition ink] Estimate LD₅₀ > 2500 mg/kg (rat)
OECD Guidelines No.423 (1996)
96/54/EC Method B1 tris

Eye:
[Data of similar composition ink] Minimal irritant (rabbit)
OECD Guidelines No.405 (1987)
92/69/EEC Method B5

Skin:
[Data of similar composition ink] Mild irritant (rabbit)
OECD Guidelines No.404 (1992)
92/69/EEC Method B4

Mutagenicity:
[Data of similar composition ink] Non sensitizer (guinea pig)
96/54/EC Method B6

Ames test : Negative (test strains: S.typhimurium & E.Coli)

Reproductive Toxicity:
Not available

Carcinogenicity:
Not available

Others:
Not available
### SECTION 12 ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobility</td>
<td>Not available</td>
</tr>
<tr>
<td>Persistence / Degradability</td>
<td>Not available</td>
</tr>
<tr>
<td>Bioaccumulation</td>
<td>Not available</td>
</tr>
<tr>
<td>Ecotoxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Other Adverse Effects</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### SECTION 13 DISPOSAL CONSIDERATION

**Method of Disposal:**
Disposal should be subject to federal, state and local laws.

### SECTION 14 TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN #</td>
<td>None</td>
</tr>
<tr>
<td>UN Shipping Name</td>
<td>None</td>
</tr>
<tr>
<td>UN Classification</td>
<td>None</td>
</tr>
<tr>
<td>UN Packing Group</td>
<td>None</td>
</tr>
<tr>
<td>Marine Pollutant</td>
<td>Yes</td>
</tr>
<tr>
<td>Chemical name (wt%):</td>
<td>Not required</td>
</tr>
<tr>
<td>Special Precautions</td>
<td>None</td>
</tr>
</tbody>
</table>

### 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: 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
## 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)</td>
<td>2 - 6</td>
</tr>
<tr>
<td>&quot;Copper compounds&quot; (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>

## USA Information

### Information on the Label under FHSA:
- **Signal Word:** Not required
- **Hazard warning:** Not required
- **Safety Advice:** Not required
- **Hazardous Component(s):** None

### Hazardous Component(s):
- "Ethylene glycol" (107-21-1)
  - 2 - 6
- "Copper compounds" (as Cu)
  - 2 - 6 (<0.35)

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

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

## Canada Information

- **WHMIS Controlled Product:** Not applicable (Manufactured article)
- **Statement of Hazardous Nature:** Not classified as hazardous according to criteria of NOHSC.

## Australia Information

### SECTION 16 OTHER INFORMATION

- **Revised information from the previous version**
  - Section 2, 3, 4, 6, 7, 8, 9, 11, 13 and 15

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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 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).

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