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

**Product Name:** Canon Ink Tank BCI-61 Color  
**Product Code:** 0968A / F47-1871  
**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>
</table>
| Glycerin                    | 56-81-5 / 200-289-5 | 5 - 10   | None / None | (as mist) | TWA = 15 mg/m³  
Respirable fraction | TWA = 5 mg/m³ | Not established | Not established |
| Thiodiglycol                | 111-48-8 / 203-874-3 | 5 - 10   | Xi / R36          | Not established | Not established | Not established | Not established |
| Isopropyl alcohol           | 67-63-0 / 200-661-7 | 1 - 3    | 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 | 200 ppm,  
500 mg/m³ |
| Copper, [29H,31H-phthalocyaninato(2-)  
-29,N30,N31,N32]-,  
aminosulfanyl sulfo derivs.,  
sodium salts  
(Contents only in cyan ink) | 90295-11-7 / 291-001-7 | 1 - 3    | Xi / R36 | Not established | Not established | Not established | Copper and its compounds  
Inhalable fraction  
1.0 mg/m³ |
| C.I. Direct Violet 107  
The substance name in accordance with 67/547/EEC is stated in SECTION 16  
(Contents only in magenta ink) | Not registered / 413-180-4 | 1 - 3    | Xi / R41 | Not established | Not established | Not established | Not established |
| C.I. Direct Yellow 173  
(Contents only in yellow ink) | Not registered / 414-410-6 | 1 - 3    | Xi / R41 | Not established | Not established | Not established | Not established |
| Ammonia derivative          | Confidential | 5 - 10   | None / None | Not established | Not established | Not established | Not established |
| Water                       | 7732-18-5 / 231-79-12 | 60 - 80  | None / None | Not established | Not established | Not established | Not established |

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<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 tanks. (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:
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

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

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**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>9.2 - 10.4</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 : 55 - 60 (Tag Closed Cup. Combustion is not sustainable.)</td>
</tr>
<tr>
<td>Flammable (Explosive) Limits:</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition Temperature(°C):</td>
<td>Estimate : 440 - 460 (ASTM-E659)</td>
</tr>
<tr>
<td>Flammability</td>
<td>Classified as &quot;Combustible liquid&quot; under OSHA-HCS.</td>
</tr>
<tr>
<td></td>
<td>Not classified as &quot;flammable&quot; or &quot;combustible&quot; under FHSA.</td>
</tr>
<tr>
<td></td>
<td>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>60 - 80</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity (mPa s)</td>
<td>1.6 - 2.4</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></td>
<td>☐ Unstable</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></td>
<td>☒ Will Not Occur</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None</td>
</tr>
</tbody>
</table>

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SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation:
Not available

Ingestion:
Not available

Eye:
Cyan: Minimal irritant, Maximum Group Mean Score = 4.0, Class 3 (rabbit)
Magenta: Minimal irritant, Maximum Group Mean Score = 5.3, Class 3 (rabbit)
Yellow: Minimal irritant, Maximum Group Mean Score = 5.3, Class 3 (rabbit)
OECD Guidelines No.404 (1987)
92/69/EEC Method B4

Skin:
Cyan: Mild irritant, Primary Irritation Index = 0.5 (rabbit)
Magenta: Mild irritant, Primary Irritation Index = 0.3 (rabbit)
Yellow: Mild irritant, Primary Irritation Index = 0.7 (rabbit)
OECD Guidelines No.405 (1987)
92/69/EEC Method B5

Sensitization:
Cyan: Non sensitizer, Sensitization rate = 0 % (0/10) (guinea pig)
Magenta: Non sensitizer, Sensitization rate = 0 % (0/10) (guinea pig)
Yellow: Non sensitizer, Sensitization rate = 0 % (0/10) (guinea pig)
96/54/EC 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

<table>
<thead>
<tr>
<th>Property</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>Property</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>☑ No</td>
</tr>
<tr>
<td>Special Precautions</td>
<td>None</td>
</tr>
</tbody>
</table>

### 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
- (EEC)2455/92: Not regulated
- Others: None

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< USA Information >

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>1 - 3 (&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>

< 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

<SECTION 2 Ingredient(s) / Substance name(s)>

"C. I. Direct Violet 107":  
"A mixture of: sodium 5-[4-4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-yliso-
phanal; ammonium 5-[4-4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-yliso-
phanal; 5-[4-4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-yliso-
phanal; 5-[4-4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-yliso-
phanal; isophthalic acid"

<R phrase list>
R11: Highly flammable. R36: Irritating to eyes.
R41: Risk of serious damage to eyes. R67: Vapours may cause drowsiness and dizziness.

<Revised information from the previous version>
Entirely revised.
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 Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.
- TWA: Time Weighted Average.
- NTP: National Toxicology Program (USA).
- FHSA: Federal Hazardous Substances Act (USA).

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