SECTION 1  IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Product Name: Canon Ink Tank PFI-704BK
Product Code: 3861B
Manufacturer: Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Ph# 03-3758-2111
Supplier: Canon U.S.A., Inc., One Canon Park, Melville, NY 11747, USA
Phone #: 1-800-OK-CANON 24 Hr. Emergency CHEMTREC # 1-800-424-9300

SECTION 2  HAZARDS IDENTIFICATION
EU Classification: Not classified as dangerous.

Emergency Overview:
Ink tank containing black liquid ink with slight odor.
Vapor or mist may cause respiratory tract and eye irritation.

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 3 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>5 - 10</td>
<td>None / None</td>
<td>(as mist)</td>
<td>TWA = 15 mg/m³</td>
<td>Total dust</td>
<td>TWA = 10 mg/m³</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl)-alpha, alpha',[1,4-dimethyl-1,4-bis(2-methylpropyl)-2-butyne-1,4-diyl][bis[omega-hydroxy]]</td>
<td>9014-85-1 / Not applicable</td>
<td>1 - 5</td>
<td>Xi / R41</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 / 231-791-2</td>
<td>80 - 100</td>
<td>None / None</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

< Carcinogen >
No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Part 3 of Annex VI to Regulation (EC) No 1272/2008.

< PBT substance and vPvB substance >
No component of this ink is a PBT or vPvB substance under Regulation (EC) No 1907/2006.
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.

Avoid breathing vapor and mist.

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:

Avoid breathing vapor and mist.

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 3)

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

- Appearance: Black liquid
- Odor: Slight odor
- pH: 9 - 10
- Boiling Point/Range(°C): Not available
- Melting Point/Range(°C): Not available
- Decomposition Temperature(°C): Not available
- Flash Point(°C): None (Estimate)
- Flammable (Explosive) Limits: Not available
- Autoignition Temperature(°C): Not available
- Flammability: Neither flammable nor combustible.
- Explosive Properties: None (Estimate)
- Oxidizing Properties: None (Estimate)
- Vapor Pressure: Not available
- Vapor Density: Not available
- Density / Specific Gravity: 1.0 - 1.1
- Water Solubility: Miscible
- Fat Solubility: Not available
- Partition Coefficient (n-Octanol/Water): Not available
- Percent Volatile (%): 80 - 100
- Evaporation Rate: Not available
- Viscosity (mPa s): 1 - 5

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 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:
Minimal irritant (rabbit)

Skin:
Non-irritant (rabbit)

Sensitization:
Non-sensitizer (mouse)

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

Reproductive Toxicity:
Not available

Carcinogenicity:
Not available

Others:
Not available

Date of Issue: June 12, 2009
Revised:
### SECTION 12  ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
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<td>Mobility</td>
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<tr>
<td>Persistence / Degradability</td>
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<tr>
<td>Bioaccumulation</td>
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<tr>
<td>Ecotoxicity</td>
<td>Not available</td>
</tr>
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</table>

**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>
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<tbody>
<tr>
<td>UN #</td>
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<tr>
<td>UN Shipping Name</td>
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<tr>
<td>UN Classification</td>
<td>None</td>
</tr>
<tr>
<td>UN Packing Group</td>
<td>None</td>
</tr>
</tbody>
</table>

**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):** Not required

**Special Precautions under 1999/45/EC Annex V:**
Safety data sheet available for professional user on request.

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

- **(EC) No 1907/2006 Annex XVII (Restrictions):** Not regulated
- **(EC) No 2037/2000:** Not regulated
- **(EC) No 689/2008:** Not regulated

**Others:** None
Information on the Label under OSHA HCS:

Signal Word: Not required

Hazard warning: VAPOR OR MIST MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION.

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>None</td>
<td></td>
</tr>
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</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

<R phrase list>
R41: Risk of serious damage to eyes.

<Term explanation>
Estimate: Estimate based on data of similar ink or the ingredient(s).
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
- 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).
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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Revised: