SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: Canon Ink Tank PFI-704GY
Product Code: 3870B
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

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 mild 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

Date of Issue: June 12, 2009
### 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) TWA = 15 mg/m(^3) Respirable fraction TWA = 5 mg/m(^3)</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Triethylene glycol</td>
<td>112-27-6 / 203-953-2</td>
<td>5 - 10</td>
<td>None / None</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>1000 mg/m(^3)</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>60 - 80</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.

<table>
<thead>
<tr>
<th>Personal Protection Equipment(s):</th>
<th>Required</th>
<th>Not Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory Protection:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye/Face Protection:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin Protection:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Black liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor</td>
</tr>
<tr>
<td>pH</td>
<td>9 - 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 (Estimate)</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>None (Estimate)</td>
</tr>
<tr>
<td>Oxidizing Properties:</td>
<td>None (Estimate)</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  ☒ 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 and SOx</td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td>☒ Will Not Occur  ☐ 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:
Not available

Eye:
Mild irritant (rabbit) (Estimate)

Skin:
Non-irritant (rabbit) (Estimate)

Sensitization:
Non-sensitizer (mouse) (Estimate)

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

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 CONSIDERATIONS

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

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

Date of Issue: June 12, 2009
Revised:
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>
</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

<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
- 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).
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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