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

Product Name: Canon Ink Tank CLI-226GY
Product Code: 4550B
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 HAZARDS IDENTIFICATION

Emergency Overview:
Ink tank containing black 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:
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: April 14, 2010
Revised:
## 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 OEL</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) Total dust TWA = 15 mg/m³, Respirable fraction TWA = 5 mg/m³</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
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<tr>
<td>Ethylene urea</td>
<td>120-93-4 / 204-436-4</td>
<td>5 - 10</td>
<td>Xi / R36</td>
<td>Not established</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/m³</td>
</tr>
<tr>
<td>Substituted Phthalocyanine salt</td>
<td>Confidential</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>Pyridine Azo dye</td>
<td>Confidential</td>
<td>1 - 5</td>
<td>N / R51/53</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.

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 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: 8 - 9
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 (%): 60 - 80
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
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
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:
(EC) No 1907/2006 Annex XVII (Restrictions): Not regulated
(EC) No 1005/2009: Not regulated
(EC) No 689/2008: Not regulated
Others: None
< USA Information >

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;Copper Compounds&quot;</td>
<td>1 - 5</td>
</tr>
<tr>
<td>(as Cu)</td>
<td>(&lt; 0.35)</td>
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</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: This product will not be shipped to Australia.

SECTION 16 OTHER INFORMATION

<R phrase list>

R36: Irritating to eyes.
R41: Risk of serious damage to eyes.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<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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Revised: