MATERIAL SAFETY DATA SHEET

Product Name: Canon Ink Tank CLI-251 Y
Product Code: 6516B
Manufacturer: Canon Inc.
Address: 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

Relevant Identified Uses: Ink for Ink Jet Printer

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

Ink tank containing yellow liquid ink with slight odor.

Emergency Overview:

SECTION 2 HAZARDS IDENTIFICATION

Not classified as dangerous.

EU Classification under 1999/45/EC:

Product Identifier:

Details of Supplier of Safety Data Sheet:

Supplier:
Address:
Telephone Number:
E-mail Address:
Emergency Telephone Number:

US Regulatory Status
Not classified as hazardous.
Not required

US Label Elements
Signal Word:
Hazard Warning: Not required
Hazardous Component: Not required
Safety Advice: Not required
under FHSA:
Symbol & Indication: Not required
R-Phrase: Not required
Dangerous Component: Not required
EU Label Elements under 1999/45/EC:
S-Phrase: Not required
Not required

Applicable Label Elements in accordance with Annex V to 1999/45/EC:
Other Hazards:
None

under FHSA:
Date of Issue: April 20, 2012 Revision Date:
Canon USA Inc.,
One Canon Park, Melville, NY 11747, USA
1-800-OK-CANON
24 Hr. Emergency CHEMTREC # 1-800-424-9300

MATERIAL SAFETY DATA SHEET

Carcinogen(s): 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.

Ingredient(s):
### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name/Generic Name</th>
<th>CAS #/EC #</th>
<th>Concentration/Range (%)</th>
<th>EU Classification according to 67/548/EEC</th>
<th>EU Classification according to (EC) No 1272/2008</th>
<th>Note to Other</th>
<th>Symbol/ Hazards*2</th>
<th>Indication of Danger</th>
<th>Hazard Statement*1</th>
<th>Hazard Category Code</th>
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<tr>
<td>Water</td>
<td>Confidential</td>
<td>56-81-5 / 200-289-5 / 120-93-4 / 204-436-4</td>
<td>Confidential</td>
<td>7732-18-5 / 231-791-2</td>
<td>5 - 10</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

*1 Full texts of R-phrase(s) and Hazard statement(s) are listed in SECTION 16

*2 The following substance(s) is (are) marked with (1), (2) and/or (3)

1. Substance for which Occupational Exposure Limit(s) is (are) established (See SECTION 8)
2. PBT substance or vPvB substance under Regulation (EC) No 1907/2006

**Substance or Mixture:** Mixture

**Date of Issue:** April 20, 2012

**Revision Date:**
CO₂, water, foam or dry chemicals

Suitable Extinguishing Media:
None

Special Hazards:
CO₂, NOx and SOx

Hazardous Combustion Products:

Advice for Fire-fighters:
Avoid contact with skin, eyes and clothing.

Personal Precautions, Protective Equipment and Emergency Procedures:
Do not release to sewer, surface water or ground water.

Environmental Precautions:
Wipe off with wet cloth or paper.

Methods and Material for Containment and Cleaning Up:

Extinguishing Media:
None

Unsuitable Extinguishing Media:
None

SECTION 6 ACCIDENTAL RELEASE MEASURES

SECTION 5 FIRE FIGHTING MEASURES

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

Inhalation:
Rinse mouth. Give one or two glasses of water.
If irritation or discomfort occurs, obtain medical advice immediately.

Ingestion:
Immediately flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed.
If irritation persists, obtain medical advice immediately.

Eye:

Indication of Any Immediate Medical Attention and Special Treatment Needed:

First Aid Measures:

SECTION 4 FIRST AID MEASURES

Skin:
Wash with water and soap or mild detergent.
If irritation persists, obtain medical advice.
May cause minimal irritation. (See SECTION 11)

Eye:
Neither irritation nor sensitization is expected. (See SECTION 11)

Skin:
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.

Inhalation:
May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

Ingestion:
Not identified

Chronic Effects:

Most Important Symptoms and Effects, both Acute and Delayed:
None

Date of Issue: April 20, 2012
Revision Date:
Avoid contact with skin, eyes and clothing.
In case of contact, wash out the contaminated area immediately.

**Precautions for Safe Handling:**
Keep in a cool and dry place.
Protect from sunlight.
Keep out of the reach of children.

**Conditions for Safe Storage, Including Any Incompatibilities:**

**Control Parameters:**

**Engineering Controls:** No special ventilation equipment is needed under intended use of this product.

**Respiratory Protection:** Required Not Required

**Eye/Face Protection:** Required Not Required

**SECTIO N 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Skin Protection:**

**Individual Protection Measures:**
Ink for Ink Jet Printer.
For more information, please refer to the instruction of this product.

**Specific End Uses:**

**SECTION 7 HANDLING AND STORAGE**

**USA**

**OSHA PEL**

**ACGIH TLV EU OEL**
Product (ink) Not established Not established Not established

- Glycerin mist:
  - TWA 15 mg/m$^3$ (Total dust)
  - TWA 5 mg/m$^3$ (Respirable fraction)
- Glycerin mist:
  - TWA 10 mg/m$^3$
- Glycerin Not established

**Exposure Controls:**
Date of Issue: April 20, 2012
Revision Date:

**MATERIAL SAFETY DATA SHEET**

Page 5 of 8
6516B
MSDS #: IC3552-0101
Product Code:

- **Odor:** Slight odor
- **pH:** 7 - 8
Not available
- **Initial Boiling Point and Boiling Range (°C):**
- **Melting Point/Freezing Point (°C):** Not available
- **Vapor Pressure:** Not available
- **Vapor Density:** Not available
- **Relative Density:** 1.0 - 1.1
- **Water Solubility:** Miscible
- **Fat Solubility:** Not available
- **Partition Coefficient (n-Octanol/Water):**
- **Evaporation Rate:** Not available
- **Chemical Stability:** Stable Unstable
- **Conditions to Avoid:** None
- **Incompatible Materials:** Acids, bases, oxidizing materials and reducing agents
- **Hazardous Decomposition Products:** CO, CO$_2$, NOx and SOx
- **Possibility of Hazardous Reactions:**
- **Appearance:**
- **Flash Point(°C):** None (Estimate)
- **Explosive Properties:** None (Estimate)
**Oxidizing Properties:** None (Estimate)

**Yellow liquid**

**Flammability:** Neither flammable nor combustible.

**Decomposition Temperature (°C):** Not available

**Upper/Lower Flammable or Explosive Limits:**

**Auto-ignition Temperature (°C):** Not available

**Viscosity (mPa s):** 1 - 5

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**SECTION 10 STABILITY AND REACTIVITY**

**Information on Basic Physical and Chemical Properties:**

**Other Information:** Not available

**Reactivity:** None

**Date of Issue:** April 20, 2012

**Revision Date:**

**MATERIAL SAFETY DATA SHEET**

**Page 6 of 8**

6516B

**MSDS #: IC3552-0101**

**Product Code:** Not available

**Inhalation:** Not available

**Ingestion:** Non-irritant (rabbit) (Estimate)


**Skin:** Minimal irritant (rabbit) (Estimate)


**Eye:** Non-sensitizer (mouse) (Estimate)

OECD Guidelines No. 429 (2010), (EC) No 440/2008 Method B42

**Sensitization:**

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

**Mutagenicity:** Not available

**Toxicity for Reproduction:** Not available

**Carcinogenicity:** Not available

**Other Information:**

**SECTION 11 TOXICOLOGICAL INFORMATION**

**Acute Toxicity:**

**Information on Toxicological Effects:**

**Corrosivity/Irritation:**

**Skin:**

**Repeated Dose Toxicity:** Not available

**Date of Issue:** April 20, 2012

**Revision Date:**

**MATERIAL SAFETY DATA SHEET**

**Page 7 of 8**

6516B

**MSDS #: IC3552-0101**

**Product Code:**

**Mobility in Soil:** Not available
Persistence and Degradability: Not available
Bioaccumulative Potential: Not available
Toxicity: Not available
Other Adverse Effects: Not available
Disposal should be subject to federal, state and local laws.
Waste Treatment Methods:
None
SARA Title III §313:
None
California Proposition 65:
SECTION 13 DISPOSAL CONSIDERATIONS
< USA Information >
Chemical Name Weight %
Chemical Name Weight %
None
Safety, Health and Environmental Regulations/Legislation:
Restriction: Not regulated
(EC) No 1005/2009: Not regulated
(EC) No 689/2008: Not regulated
< EU Information >
Others:
UN Number: None
UN Proper Shipping Name: None
Transport Hazard Class: None
Special Precautions for User: None
Packing Group: None
Environmental Hazards:
SECTION 15 REGULATORY INFORMATION
WHMIS Controlled Product: Not applicable (Manufactured article)
Statement of Hazardous Nature: This product will not be shipped to Australia.
< Canada Information >
< Australia Information >
SECTION 12 ECOLOGICAL INFORMATION
SECTION 14 TRANSPORT INFORMATION
Results of PBT and vPvB Assessment:
No results that the component(s) of this ink meet(s) the PBT or vPvB criteria under Regulation (EC) No 1907/2006.
Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
(EC) No 1907/2006: Authorisation: Not regulated
(EC) No 850/2004: Not regulated
Chemical Safety Assessment under (EC) No 1907/2006: Not required
Date of Issue: April 20, 2012 Revision Date:
MATERIAL SAFETY DATA SHEET
Page 8 of 8
6516B
MSDS #: IC3552-0101
Product Code:
Literature References:
<EU R-phrase according to 67/548/EEC>
R36: Irritating to eyes.
<EU Hazard statement according to (EC) No 1272/2008>
H319: Causes serious eye irritation.
<Term explanation>
Estimate: Estimate based on data of similar product or the ingredient(s) of this product.
The information, data and recommendations set forth herein (the “Information”) are presented in good faith and are believed to be correct as
of the date hereof. The company/manufacturer makes no representations as to the completeness or accuracy of the Information and disclaims responsibility for any reliance thereon. The Information is provided upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. Any use of the Information must be determined by the user to be in accordance with applicable Federal, state and local laws and regulations. In no event will the company/manufacturer be responsible for damages of any nature whatsoever resulting from the use or reliance upon the Information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE WITH RESPECT TO THE INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

SECTION 16 OTHER INFORMATION
- 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
- EU Directive 1999/45/EC
- Canada Workplace Hazardous Materials Information System
- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
- FHISA: Federal Hazardous Substances Act (USA)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
SVHC: Substances of Very High Concern
IARC: International Agency for Research on Cancer
NTP: National Toxicology Program (USA)
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
TWA: Time Weighted Average
 STEL: Short Term Exposure Limit
WHMIS: Workplace Hazardous Materials Information System
NOHSC: National Occupational Health and Safety Commission

Abbreviations:
Date of Issue: April 20, 2012 Revision Date:

MATERIAL SAFETY DATA SHEET
Page 1 of 8
6497B
MSDS #: IC3539-0101
Product Code:
Product Name: Canon Ink Tank PGI-250 PGBK
Product Code: 6497B
Manufacturer: Canon Inc.
Address: 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

Relevant Identified Uses: Ink for Ink Jet Printer

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

Ink tank containing black liquid ink with slight odor.

Emergency Overview:

SECTION 2 HAZARDS IDENTIFICATION
Not classified as dangerous.

EU Classification under 1999/45/EC:
Product Identifier:
Details of Supplier of Safety Data Sheet:
Supplier:
Address:
Telephone Number:
E-mail Address:
Emergency Telephone Number:
US Regulatory Status
Not classified as hazardous.
Not required

**US Label Elements**

**Signal Word:**

**Hazard Warning:** Not required

**Hazardous Component:** Not required

**Safety Advice:** Not required

**under FHSA:**

**Symbol & Indication:** Not required

**R-Phrase:** Not required

**Dangerous Component:** Not required

**EU Label Elements under 1999/45/EC:**

**S-Phrase:** Not required

Not required

**Applicable Label Elements in accordance with Annex V to 1999/45/EC:**

**Other Hazards:**

None

**under FHSA:**

Date of Issue: April 20, 2012

Revision Date:

Canon USA Inc.,

One Canon Park, Melville, NY 11747, USA

1-800-OK-CANON

24 Hr. Emergency CHEMTREC # 1-800-424-9300

MATERIAL SAFETY DATA SHEET

Page 2 of 8

 MSDS #: IC3539-0101

Product Code:

**Carcinogen(s):**

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.

**Ingredient(s):**

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Name/**

**Generic Name**

**CAS #/**

**EC #**

**Concentration/**

**Concentration Range (%)**

**EU Classification according to 67/548/EEC**

**EU Classification according to (EC) No 1272/2008**

**Note to Other**

**Symbol/ Hazards**

**Indication of Danger**

**R-Phrase**

**Hazard Class/**

**Category Code**

**Hazard Statement**

Glycerin

Glycol

Lactam

Water

56-81-5/

200-289-5

Confidential

Confidential

7732-18-5/
Substance or Mixture: Mixture

Date of Issue: April 20, 2012
Revision Date:

MATERIAL SAFETY DATA SHEET

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6497B

MSDS #: IC3539-0101

Product Code: CO₂, water, foam or dry chemicals

Suitable Extinguishing Media:
None

Special Hazards:
CO₂, NOx, SOx and POx

Hazardous Combustion Products:

Advice for Fire-fighters:
Avoid contact with skin, eyes and clothing.

Personal Precautions, Protective Equipment and Emergency Procedures:
Do not release to sewer, surface water or ground water.

Environmental Precautions:
Wipe off with wet cloth or paper.

Methods and Material for Containment and Cleaning Up:

Extinguishing Media:
None

Unsuitable Extinguishing Media:

SECTION 6 ACCIDENTAL RELEASE MEASURES

SECTION 5 FIRE FIGHTING MEASURES

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

Inhalation:
Rinse mouth. Give one or two glasses of water.
If irritation or discomfort occurs, obtain medical advice immediately.

Ingestion:
Immediately flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed.
If irritation persists, obtain medical advice immediately.

Eye:
Indication of Any Immediate Medical Attention and Special Treatment Needed:
First Aid Measures:
SECTION 4 FIRST AID MEASURES

None

Skin:
Wash with water and soap or mild detergent.
If irritation persists, obtain medical advice.
May cause minimal irritation. (See SECTION 11)

Eye:
Neither irritation nor sensitization is expected. (See SECTION 11)

Skin:
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.

Inhalation:
May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

Ingestion:
Not identified

Chronic Effects:
Most Important Symptoms and Effects, both Acute and Delayed:
None

Date of Issue: April 20, 2012
Revision Date:
Odor: Slight odor

pH: 7 - 9

Initial Boiling Point and Boiling Range (°C): Not available

Melting Point/Freezing Point (°C): Not available

Vapor Pressure: Not available

Vapor Density: Not available

Relative Density: 1.0 - 1.1

Water Solubility: Miscible

Fat Solubility: Not available

Partition Coefficient (n-Octanol/Water): Not available

Evaporation Rate: Not available

Chemical Stability: Stable Unstable

Conditions to Avoid: None

Incompatible Materials: Acids, bases, oxidizing materials and reducing agents

Hazardous Decomposition Products: CO, CO₂, NOx, SOx, POx and Ammonia

Possibility of Hazardous Reactions: None

Appearance: Black liquid

Flash Point(°C): None (Estimate)

Explosive Properties: None (Estimate)

Oxidizing Properties: None (Estimate)

Flammability: Neither flammable nor combustible.

Decomposition Temperature(°C): Not available

Not available

Upper/Lower Flammable or Explosive Limits: Not available

Auto-ignition Temperature(°C): Not available

Not available

Viscosity (mPa s): 1 - 5
Eye:
Non-sensitizer (mouse) (Estimate)
OECD Guidelines No. 429 (2010), (EC) No 440/2008 Method B42

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

Mutagenicity:
Not available

Toxicity for Reproduction:
Not available

Carcinogenicity:
Not available

Other Information:

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Information on Toxicological Effects:

Corrosivity/Irritation:

Skin:

Repeated Dose Toxicity:
Not available

Date of Issue: April 20, 2012
Revision Date: 

MATERIAL SAFETY DATA SHEET
Page 7 of 8
6497B
MSDS #: IC3539-0101
Product Code:

Mobility in Soil: Not available

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Toxicity: Not available

Other Adverse Effects: Not available

Disposal should be subject to federal, state and local laws.

Waste Treatment Methods:
None

SARA Title III §313:
None

California Proposition 65:

SECTION 13 DISPOSAL CONSIDERATIONS

< USA Information >

Chemical Name Weight %

Chemical Name Weight %
None

Safety, Health and Environmental Regulations/Legislation:

Restriction: Not regulated

( EC ) No 1005/2009: Not regulated

( EC ) No 689/2008: Not regulated

< EU Information >

Others:

UN Number: None

UN Proper Shipping Name: None

Transport Hazard Class: None

Special Precautions for User: None

Packing Group: None

Environmental Hazards:

SECTION 15 REGULATORY INFORMATION

WHMIS Controlled Product: Not applicable (Manufactured article)

Statement of Hazardous Nature: This product will not be shipped to Australia.
Results of PBT and vPvB Assessment:
No results that the component(s) of this ink meet(s) the PBT or vPvB criteria under Regulation (EC) No 1907/2006.
Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.

Chemical Safety Assessment under (EC) No 1907/2006: Not required

MATERIAL SAFETY DATA SHEET
Page 8 of 8
6497B
MSDS #: IC3539-0101
Product Code:

SECTION 16 OTHER INFORMATION
- 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
- EU Directive 1999/45/EC
- Canada Workplace Hazardous Materials Information System

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
SvhC: Substances of Very High Concern
Iarc: International Agency for Research on Cancer
Ntp: National Toxicology Program (USA)
Osha Pel: Pel/Permissible Exposure Limit) under Occupational Safety and Health Administration (USA)
AcghI Tlv: Tlv/Threshold Limit Value) under American Conference of Governmental Industrial Hygienists
Twa: Time Weighted Average
Stel: Short Term Exposure Limit
WHMIS: Workplace Hazardous Materials Information System
Nohsc: National Occupational Health and Safety Commission

Date of Issue: April 20, 2012 Revision Date:
SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Ink tank containing cyan liquid ink with slight odor.

Emergency Overview:

SECTION 2 HAZARDS IDENTIFICATION
Not classified as dangerous.

EU Classification under 1999/45/EC:

Product Identifier:

Details of Supplier of Safety Data Sheet:
Supplier:
Address:
Telephone Number:
E-mail Address:
Emergency Telephone Number:

US Regulatory Status
Not classified as hazardous.
Not required

US Label Elements
Signal Word:
Hazard Warning: Not required
Hazardous Component: Not required
Safety Advice: Not required

under FHSA:
Symbol & Indication: Not required
R-Phrase: Not required
Dangerous Component: Not required
EU Label Elements under 1999/45/EC:
S-Phrase: Not required
Not required

Applicable Label Elements in accordance with Annex V to 1999/45/EC:
Other Hazards:
None

under FHSA:
Date of Issue: April 20, 2012
Revision Date:

Canon USA Inc.,
One Canon Park, Melville, NY 11747, USA
1-800-OK-CANON

24 Hr. Emergency CHEMTREC # 1-800-424-9300

MATERIAL SAFETY DATA SHEET

Carcinogen(s):
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.

Ingredient(s):

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name/
Generic Name
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<th>CAS #/</th>
<th>EC #</th>
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<td>Note to Other</td>
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<td>Indication of Danger</td>
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<table>
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<th>R-Phrase®;</th>
<th>Hazard Class/Category Code</th>
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**Hazard Statement**

- Glycerin
- Ethylene urea
- Substituted phthalocyanine
- Substituted phthalocyanine
- Glycol
- Glycol
- Water

- 56-81-5 /
- 200-289-5
- 120-93-4 /
- 204-436-4
- Confidential
- Confidential
- Confidential

<table>
<thead>
<tr>
<th>7732-18-5</th>
<th>231-791-2</th>
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<td>5 - 10</td>
</tr>
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<td>60 - 80</td>
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- None
- Xi / Irritant
- Xi / Irritant

**R36**

**R41**

**R52/53**

None

None

None

None

None

None

None

Eye Irrit. 2

Eye Dam. 1

Aquatic Chronic 3

None

None

None

None

H319

H318
Substance or Mixture: Mixture
Date of Issue: April 20, 2012 Revision Date:

MATERIAL SAFETY DATA SHEET
Page 3 of 8
6514B
MSDS #: IC3554-0101
Product Code: CO₂, water, foam or dry chemicals

Suitable Extinguishing Media:
None

Special Hazards:
CO₂, NOx and SOx

Hazardous Combustion Products:

Advice for Fire-fighters:
Avoid contact with skin, eyes and clothing.

Personal Precautions, Protective Equipment and Emergency Procedures:
Do not release to sewer, surface water or ground water.

Environmental Precautions:
Wipe off with wet cloth or paper.

Methods and Material for Containment and Cleaning Up:
Extinguishing Media:
Une suitable Extinguishing Media:
None

SECTION 6 ACCIDENTAL RELEASE MEASURES
SECTION 5 FIRE FIGHTING MEASURES
If symptoms are experienced, move victim to fresh air and obtain medical advice.

Inhalation:
Rinse mouth. Give one or two glasses of water.
If irritation or discomfort occurs, obtain medical advice immediately.

Ingestion:
Immediately flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed.
If irritation persists, obtain medical advice immediately.

Eye:

Indication of Any Immediate Medical Attention and Special Treatment Needed:

First Aid Measures:

SECTION 4 FIRST AID MEASURES
None

Skin:
Wash with water and soap or mild detergent.
If irritation persists, obtain medical advice.
May cause minimal irritation. (See SECTION 11)

Eye:
Neither irritation nor sensitization is expected. (See SECTION 11)

Skin:
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.

Inhalation:
May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

Ingestion:
Not identified

Chronic Effects:
Most Important Symptoms and Effects, both Acute and Delayed:
None

Date of Issue: April 20, 2012
Revision Date:

MATERIAL SAFETY DATA SHEET

Use with adequate ventilation.

Avoid contact with skin, eyes and clothing.

In case of contact, wash out the contaminated area immediately.

Precautions for Safe Handling:
Keep in a cool and dry place.

Protect from sunlight.

Keep out of the reach of children.

Conditions for Safe Storage, Including Any Incompatibilities:

Control Parameters:
Engineering Controls: No special ventilation equipment is needed under intended use of this product.
Respiratory Protection: Required Not Required

Eye/Face Protection: Required Not Required

Required Not Required

SECTIONS EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection:

Individual Protection Measures:
Ink for Ink Jet Printer.

For more information, please refer to the instruction of this product.

Specific End Uses:

SECTION 8 HANDLING AND STORAGE

USA

OSHA PEL

ACGIH TLV EU OEL

Product (Ink) Not established Not established Not established

Glycerin mist:
TWA 15 mg/m³ (Total dust)
TWA 5 mg/m³ (Respirable fraction)

Glycerin mist:
TWA 10 mg/m³
Glycerin Not established

Exposure Controls:

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MATERIAL SAFETY DATA SHEET

Odor: Slight odor
pH: 7 - 9

Not available

Initial Boiling Point and Boiling Range (°C):
Melting Point/Freezing Point (°C): Not available

Vapor Pressure: Not available
Vapor Density: Not available
Relative Density: 1.0 - 1.1
Water Solubility : Miscible
Fat Solubility : Not available
Partition Coefficient (n-Octanol/Water):
Evaporation Rate: Not available
Chemical Stability: Stable Unstable
Conditions to Avoid: None
Incompatible Materials: Acids, bases, oxidizing materials and reducing agents
Hazardous Decomposition Products: CO, CO₂, NOₓ and SOₓ
Possibility of Hazardous Reactions:
Appearance:
Flash Point(°C): None (Estimate)
Explosive Properties: None (Estimate)
Oxidizing Properties: None (Estimate)
Cyan liquid
Flammability: Neither flammable nor combustible.
Decomposition Temperature(°C): Not available
Not available
Upper/Lower Flammable or Explosive Limits:
Auto-ignition Temperature (°C): Not available
Not available
Viscosity (mPa s): 1 - 5

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
SECTION 10 STABILITY AND REACTIVITY
Information on Basic Physical and Chemical Properties:
Other Information: Not available
Reactivity: None

MATERIAL SAFETY DATA SHEET
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6514B
MSDS #: IC3554-0101
Product Code: Not available

Inhalation: Not available

Ingestion:
Non-irritant (rabbit) (Estimate)

Skin:
Minimal irritant (rabbit) (Estimate)

Eye:
Non-sensitizer (mouse) (Estimate)
OECD Guidelines No. 429 (2010), (EC) No 440/2008 Method B42

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

Mutagenicity: Not available

Toxicity for Reproduction: Not available

Carcinogenicity: Not available

Other Information:
SECTION 11 TOXICOLOGICAL INFORMATION
Acute Toxicity:
Information on Toxicological Effects:
Corrosivity/Irritation:
Skin:
Repeated Dose Toxicity:
Not available
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MATERIAL SAFETY DATA SHEET
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6514B
MSDS #: IC3554-0101
Product Code:
Mobility in Soil: Not available
Persistence and Degradability: Not available
Bioaccumulative Potential: Not available
Toxicity: Not available
Other Adverse Effects: Not available
Disposal should be subject to federal, state and local laws.

Waste Treatment Methods:
"Copper Compounds"
(as Cu)
SARA Title III §313:
5 - 10
(< 0.35)
None
California Proposition 65:

SECTION 13 DISPOSAL CONSIDERATIONS
< USA Information >
Chemical Name Weight %
Chemical Name Weight %
None
Safety, Health and Environmental Regulations/Legislation:
Restriction: Not regulated
(EC) No 1005/2009: Not regulated
(EC) No 689/2008: Not regulated
< EU Information >
Others:
UN Number: None
UN Proper Shipping Name: None
Transport Hazard Class: None
Special Precautions for User: None
Packing Group: None
Environmental Hazards:

SECTION 15 REGULATORY INFORMATION
WHMIS Controlled Product: Not applicable (Manufactured article)
Statement of Hazardous Nature: This product will not be shipped to Australia.
< Canada Information >
< Australia Information >

SECTION 12 ECOLOGICAL INFORMATION
SECTION 14 TRANSPORT INFORMATION
Results of PBT and vPvB Assessment:
No results that the component(s) of this ink meet(s) the PBT or vPvB criteria under Regulation (EC) No 1907/2006.
Not classified as environmentally hazardous under UN Model Regulations and marine
pollutant under IMDG Code.

(EC) No 1907/2006: Authorisation: Not regulated
(EC) No 850/2004: Not regulated

Chemical Safety Assessment under (EC) No 1907/2006: Not required

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Product Code:

Literature References:
- <EU R-phrase according to 67/548/EEC>
- R36: Irritating to eyes.
- R41: Risk of serious damage to eyes.
- R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- <EU Hazard statement according to (EC) No 1272/2008>
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H412: Harmful to aquatic life with long lasting effects.
- <Term explanation>

Estimate: Estimate based on data of similar product or the ingredient(s) of this product.

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SECTION 16 OTHER INFORMATION
- 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
- EU Directive 1999/45/EC
- Canada Workplace Hazardous Materials Information System
- 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
- SVHC: Substances of Very High Concern
- IARC: International Agency for Research on Cancer
- NTP: National Toxicology Program (USA)
- 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
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- WHMIS: Workplace Hazardous Materials Information System
- NOHSC: National Occupational Health and Safety Commission

Abbreviations:

Date of Issue: April 20, 2012
Revision Date:
Product Code:
Product Name: Canon Ink Tank CLI-251 M  
Product Code: 6515B  
Manufacturer: Canon Inc.  
Address: 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan  
Relevant Identified Uses: Ink for Ink Jet Printer  

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Ink tank containing magenta liquid ink with slight odor.  

Emergency Overview:

SECTION 2 HAZARDS IDENTIFICATION
Not classified as dangerous.  
EU Classification under 1999/45/EC:

Product Identifier:
Details of Supplier of Safety Data Sheet:
Supplier:
Address:
Telephone Number:
E-mail Address:
Emergency Telephone Number:

US Regulatory Status
Not classified as hazardous.  
Not required

US Label Elements
Signal Word:
Hazard Warning: Not required  
Hazardous Component: Not required  
Safety Advice: Not required  

under FHSA:
Symbol & Indication: Not required  
R-Phrase: Not required  
Dangerous Component: Not required  
EU Label Elements under 1999/45/EC:
S-Phrase: Not required  
Not required

Applicable Label Elements in accordance with Annex V to 1999/45/EC:
Other Hazards:
None

under FHSA:

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Revision Date:  
Canon USA Inc.,  
One Canon Park, Melville, NY 11747, USA  
1-800-OK-CANON  
24 Hr. Emergency CHEMTREC # 1-800-424-9300

MATERIAL SAFETY DATA SHEET
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6515B  
MSDS #: IC3556-0101  
Product Code:  

Carcinogen(s):
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.

Ingredient(s):

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS
Chemical Name/  
Generic Name  
CAS #/
<table>
<thead>
<tr>
<th>EC #</th>
<th>Concentration/Concentration Range (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU Classification according to 67/548/EEC</td>
<td></td>
</tr>
<tr>
<td>EU Classification according to (EC) No 1272/2008</td>
<td></td>
</tr>
</tbody>
</table>

**Note to Other**

**Symbol/ Hazards**

**Indication of Danger**

**R-Phrase**: Hazard Class/

**Category Code**

**Hazard Statement**

- Ethylene urea
- Glycerin
- Pyridine Azo dye
- Water
  - 120-93-4 /
  - 204-436-4
  - 56-81-5 /
  - 200-289-5
- Confidential
  - 7732-18-5 /
  - 231-791-2
- 5 - 10
- 1 - 5
- 60 - 80

**Xi / Irritant**

- None

**N / Dangerous for Environment**

- None

- R36

- None

- R51/53

- None

- Eye Irrit. 2

- None

- Aquatic Chronic 2

- None

- H319

- None

- H411

- None

(1) Substance for which Occupational Exposure Limit(s) is (are) established (See SECTION 8)

(2) PBT substance or vPvB substance under Regulation (EC) No 1907/2006

(3) Substance listed in Candidate List of SVHC for Authorisation under Regulation (EC) No 1907/2006

**Substance or Mixture**: Mixture

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**MATERIAL SAFETY DATA SHEET**

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**Product Code**: CO₂, water, foam or dry chemicals

**Suitable Extinguishing Media**: None

**Special Hazards**: CO, CO₂, NOx and SOx

**Hazardous Combustion Products**: 

Advice for Fire-fighters:
Avoid contact with skin, eyes and clothing.

Personal Precautions, Protective Equipment and Emergency Procedures:
Do not release to sewer, surface water or ground water.

Environmental Precautions:
Wipe off with wet cloth or paper.

Methods and Material for Containment and Cleaning Up:

Extinguishing Media:
None

SECTION 6 ACCIDENTAL RELEASE MEASURES

SECTION 5 FIRE FIGHTING MEASURES
If symptoms are experienced, move victim to fresh air and obtain medical advice.

Inhalation:
Rinse mouth. Give one or two glasses of water.
If irritation or discomfort occurs, obtain medical advice immediately.

Ingestion:
Immediately flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed.
If irritation persists, obtain medical advice immediately.

Eye:
Indication of Any Immediate Medical Attention and Special Treatment Needed:

First Aid Measures:

SECTION 4 FIRST AID MEASURES
None

Skin:
Wash with water and soap or mild detergent.
If irritation persists, obtain medical advice.
May cause mild irritation. (See SECTION 11)

Eye:
Neither irritation nor sensitization is expected. (See SECTION 11)

Skin:
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.

Inhalation:
May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

Ingestion:
Not identified

Chronic Effects:
Most Important Symptoms and Effects, both Acute and Delayed:
None

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MATERIAL SAFETY DATA SHEET
Engineering Controls: No special ventilation equipment is needed under intended use of this product.
Respiratory Protection: Required Not Required
Eye/Face Protection: Required Not Required

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION
Skin Protection:
Individual Protection Measures:
Ink for Ink Jet Printer.
For more information, please refer to the instruction of this product.

Specific End Uses:

SECTION 7 HANDLING AND STORAGE
USA
OSHA PEL
ACGIH TLV EU OEL
Product (Ink) Not established Not established Not established
Glycerin mist:
TWA 15 mg/m³ (Total dust)
TWA 5 mg/m³ (Respirable fraction)
Glycerin mist:
TWA 10 mg/m³
Glycerin Not established

Exposure Controls:
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6515B
MSDS #: IC3556-0101
Product Code:
Odor: Slight odor
pH: 7 - 9
Not available

Initial Boiling Point and Boiling Range (°C):
Melting Point/Freezing Point (°C): Not available
Vapor Pressure: Not available
Vapor Density: Not available
Relative Density: 1.0 - 1.1
Water Solubility: Miscible
Fat Solubility: Not available
Partition Coefficient (n-Octanol/Water):
Evaporation Rate: Not available
Chemical Stability: Stable Unstable
Conditions to Avoid: None
Incompatible Materials: Acids, bases, oxidizing materials and reducing agents
Hazardous Decomposition Products: CO, CO₂, NOx and SOx
Possibility of Hazardous Reactions:
Appearance:
Flash Point(°C): None (Estimate)
Explosive Properties: None (Estimate)
Oxidizing Properties: None (Estimate)
Magenta liquid
Flammability: Neither flammable nor combustible.
Decomposition Temperature(°C): Not available
Not available
Upper/Lower Flammable or Explosive Limits:
Auto-ignition Temperature (°C): Not available
Viscosity (mPa s): 1 - 5

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
SECTION 10 STABILITY AND REACTIVITY

Information on Basic Physical and Chemical Properties:
Other Information: Not available
Reactivity: None

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Inhalation:
Not available

Ingestion:
Non-irritant (rabbit) (Estimate)

Skin:
Mild irritant (rabbit) (Estimate)

Eye:
Non-sensitizer (mouse) (Estimate)
OECD Guidelines No. 429 (2010), (EC) No 440/2008 Method B42

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

Mutagenicity:
Not available

Toxicity for Reproduction:
Not available

Carcinogenicity:
Not available

Other Information:

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Information on Toxicological Effects:
Corrosivity/Irritation:

Skin:
Repeated Dose Toxicity:
Not available

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Mobility in Soil: Not available

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Fish, Acute toxicity test:
96-Hour LC50 > 100 mg/L (Oryzias latipes)
OECD Guidelines No. 203 (1992)

Daphnia sp., Acute immobilisation test:
48-Hour EC50 > 100 mg/L, NOEC = 100 mg/L (Daphnia magna)

Lemna sp., Growth inhibition test:
EC50 (0-7day) > 100 mg/L, NOEC = 100 mg/L (Lemna minor)
OECD Guidelines No. 221 (2006)
NOEC: No Observed Effect Concentration

Toxicity:
Other Adverse Effects: Not available
Disposal should be subject to federal, state and local laws.

Waste Treatment Methods:
None

SARA Title III §313:
None

California Proposition 65:

SECTION 13 DISPOSAL CONSIDERATIONS
< USA Information >

Chemical Name Weight %
Chemical Name Weight %
None

Safety, Health and Environmental Regulations/Legislation:
Restriction: Not regulated
(EC) No 1005/2009: Not regulated
(EC) No 689/2008: Not regulated

< EU Information >

Others:
UN Number: None
UN Proper Shipping Name: None
Transport Hazard Class: None
Special Precautions for User: None
Packing Group: None

Environmental Hazards:

SECTION 15 REGULATORY INFORMATION
WHMIS Controlled Product: Not applicable (Manufactured article)
Statement of Hazardous Nature: This product will not be shipped to Australia.

< Canada Information >
< Australia Information >

SECTION 12 ECOLOGICAL INFORMATION

SECTION 14 TRANSPORT INFORMATION
Results of PBT and vPvB Assessment:
No results that the component(s) of this ink meet(s) the PBT or vPvB criteria under Regulation (EC) No 1907/2006.
Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.

(EC) No 1907/2006: Authorisation: Not regulated
(EC) No 850/2004: Not regulated

Chemical Safety Assessment under (EC) No 1907/2006: Not required
Date of Issue: April 20, 2012
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MATERIAL SAFETY DATA SHEET

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6515B
MSDS #: IC3556-0101
Product Code:

Literature References:
<R-phrase according to 67/548/EEC>
R36: Irritating to eyes.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<Hazard statement according to (EC) No 1272/2008>
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.
<Term explanation>
Estimate: Estimate based on data of similar product or the ingredient(s) of this product.
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SECTION 16 OTHER INFORMATION

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- 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
- EU Directive 1999/45/EC
- Canada Workplace Hazardous Materials Information System
- 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
- SVHC: Substances of Very High Concern
- IARC: International Agency for Research on Cancer
- NTP: National Toxicology Program (USA)
- 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
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
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- NOHSC: National Occupational Health and Safety Commission

Abbreviations:
Date of Issue: April 20, 2012 Revision Date: