

## MATERIAL SAFETY DATA SHEET

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

**Product Name:** Canon Supply Kit Magenta For W7000 / Canon BJ Cartridge BC-7000M / Canon Ink Tank BCI-7000M

**Product Code:** 0915A / Q90-5289-402 / F45-1541 / F47-2261

**Manufacturer:** Canon Inc.

30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

**Supplier:** Canon Singapore Pte Ltd

1 HarbourFront Avenue, #04-01, Keppel Bay Tower, Singapore 098632

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**Use of the Product:** Ink for Ink Jet Printer

### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

< **Ingredient(s)** >

| Chemical Name /<br>Generic Name  | CAS # /<br>EC #                  | Weight<br>% | EU Symbol/<br>R-Phrase   | USA<br>OSHA PEL   | ACGIH TLV   | EU ILV          | DFG MAK                           |
|--|----------------------------------|-------------|--------------------------|---|---|-----------------|-----------------------------------|
| Glycerin   | 56-81-5 /<br>200-289-5           | 5 - 10      | None / None              | (as mist)<br>Total dust<br>TWA = 15 mg/m <sup>3</sup><br>Respirable fraction<br>TWA = 5 mg/m <sup>3</sup> | (as mist)<br>TWA = 10 mg/m <sup>3</sup>   | Not established | Not established                   |
| Thiodiglycol   | 111-48-8 /<br>203-874-3          | 5 - 10      | Xi / R36                 | Not established   | Not established   | Not established | Not established                   |
| Isopropyl alcohol  | 67-63-0 /<br>200-661-7           | 1 - 5       | F/ R11<br>Xi/ R36<br>R67 | TWA = 400 ppm,<br>980 mg/m <sup>3</sup>   | TWA = 200 ppm,<br>492 mg/m <sup>3</sup><br>STEL = 400 ppm,<br>984 mg/m <sup>3</sup> | Not established | 200 ppm,<br>500 mg/m <sup>3</sup> |
| Triethanolamine  | 102-71-6 /<br>203-049-8          | 1 - 5       | None / None              | Not established   | TWA = 5 mg/m <sup>3</sup>   | Not established | Not established                   |
| Poly(oxy-1,2-ethanediyl),<br>.alpha.,.alpha.-[1,4-dimethyl-1,4-<br>-bis(2-methylpropyl)-2-butyne-<br>1,4-diyl]bis[.omega.-hydroxy- | 9014-85-1 /<br>Not<br>applicable | 1 - 5       | Xi / R41                 | Not established   | Not established   | Not established | Not established                   |
| C. I. Direct Violet 107<br>- The substance name in<br>accordance with<br>67/547/EEC is stated in<br>SECTION 16                     | Not registered /<br>413-180-4    | 1 - 5       | 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 /<br>231-791-2         | 60 - 80     | None / None              | Not established   | Not established   | Not established | Not established                   |

**< 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:**

Ink cartridge and ink tank containing magenta liquid ink with slight odor.

Combustible liquid.

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 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:**

CO<sub>2</sub>, 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, CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub>

**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 away from heat and flame.

**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

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

|   |   |
|---|---|
| <b>Appearance:</b>                              | Magenta liquid  |
| <b>Odor:</b>                                    | Slight odor   |
| <b>pH:</b>                                      | 8 - 9   |
| <b>Boiling Point/Range(°C):</b>                 | Not available   |
| <b>Melting Point/Range(°C):</b>                 | Not available   |
| <b>Decomposition Temperature(°C):</b>           | Not available   |
| <b>Flash Point(°C):</b>                         | 56.1 (Tag. Closed Cup. Combustion is not sustainable.)  |
| <b>Flammable (Explosive) Limits:</b>            | Not available   |
| <b>Autoignition Temperature(°C):</b>            | 470 (ASTM-E659)   |
| <b>Flammability:</b>                            | Classified as "combustible liquid" under OSHA-HCS.<br>Not classified as "flammable" or "combustible" under FHSA.<br>Not classified as "flammable" under 1999/45/EC. |
| <b>Explosive Properties:</b>                    | Estimate: None  |
| <b>Oxidizing Properties:</b>                    | Estimate: None  |
| <b>Vapor Pressure :</b>                         | Not available   |
| <b>Vapor Density :</b>                          | Not available   |
| <b>Density / Specific Gravity:</b>              | 1.0 - 1.1   |
| <b>Water Solubility :</b>                       | Miscible  |
| <b>Fat Solubility :</b>                         | Not available   |
| <b>Partition Coefficient (n-Octanol/Water):</b> | Not available   |
| <b>Percent Volatile (%):</b>                    | 60 - 80   |
| <b>Evaporation Rate:</b>                        | Not available   |
| <b>Viscosity (mPa s):</b>                       | 1 - 5   |

**SECTION 10 STABILITY AND REACTIVITY**

|  |  |
|--|--|
| <b>Stability:</b>                        | <input checked="" type="checkbox"/> Stable<br><input type="checkbox"/> Unstable          |
| <b>Conditions to Avoid:</b>              | None   |
| <b>Materials to Avoid:</b>               | Acids, bases, oxidizing materials and reducing agents                                    |
| <b>Hazardous Decomposition Products:</b> | CO, CO <sub>2</sub> , NO <sub>x</sub> , SO <sub>x</sub> and Ammonia                      |
| <b>Hazardous Polymerization:</b>         | <input type="checkbox"/> May Occur<br><input checked="" type="checkbox"/> Will Not Occur |
| <b>Conditions to Avoid:</b>              | None   |

**SECTION 11 TOXICOLOGICAL INFORMATION****Acute Toxicity:****Inhalation:**

Not available

**Ingestion:**

Not available

**Eye:**

Minimal irritant (rabbit)

OECD Guidelines No.405 (1987) , 92/69/EEC Method B5

**Skin:**

Non-irritant (rabbit)

OECD Guidelines No.404 (1992) , 92/69/EEC Method B4

**Sensitization:**

Non-sensitizer (guinea pig)

OECD Guidelines No.406 (1992) , 92/69/EEC Method B6

**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  No **Chemical name (wt%):**

**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:**

**76/769/EEC:** Not regulated

**(EC)2037/2000:** Not regulated

**(EC)304/2003:** Not regulated

**Others:** None

< USA Information >

**Information on the Label under OSHA HCS:**

**Signal Word:** Not required

**Hazard warning:**

COMBUSTIBLE LIQUID.  
VAPOR OR MIST MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION.

**Safety Advice:**

Not required

**Hazardous Component(s):**

Not required

**SARA Title III §313:**

| Chemical Name | Weight % |
|---------------|----------|
| None          |          |

**California Proposition 65:**

| Chemical Name | Weight % |
|---------------|----------|
| None          |          |

< 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-[8-[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]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate; ammonium 5-[8-[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]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate; 5-[8-[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]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-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>

Section 2, 3, 4, 7, 8, 9, 11 and 15

**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
- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- DFG, List of MAK and BAT Values
- EU Directive 76/769/EEC, 67/548/EEC, 1999/45/EC
- EU Regulation (EC)2037/2000, (EC)304/2003
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substances [NOHSC:1008]

**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.
- EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC, 2000/39/EC and 2006/15/EC.
- 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).
- WHMIS: Workplace Hazardous Materials Information System.
- NOHSC: National Occupational Health and Safety Commission.

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