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## SECTION 1: Product and company identification

### Product Identifier

**Product name** Canon Ink Cartridge BCI-10 Black

**Product Code(s)** 0956A

**Use** Ink for Ink Jet Printer

### Details of the supplier of the safety data sheet

#### **Supplier**

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

Canon Canada Inc.  
8000 Mississauga Road, Brampton, Ontario L6Y 5Z7, Canada  
Phone number : (1) 905-863-8000  
Emergency phone number : 24 Hr. Emergency CHEMTREC # 1-800-424-9300

#### **Manufacturer**

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

## SECTION 2: Hazards identification

### Emergency Overview

Ink cartridge containing black liquid ink with slight odor.

### Classification under FHSA

Not classified

### US Label Elements under FHSA

#### **Symbol**

Not required

#### **Signal word**

Not required

#### **Hazard statements**

Not required

#### **Precautionary statements**

Not required

#### **Other Information**

None

### Other hazards which do not result in classification

None

### SECTION 3: Composition/information on ingredients

| Chemical name      | CAS-No    | Weight % |
|--------------------|-----------|----------|
| Glycerin           | 56-81-5   | 5 - 10   |
| Ethylene glycol    | 107-21-1  | 5 - 10   |
| Ammonia derivative | CBI       | 5 - 10   |
| Isopropyl alcohol  | 67-63-0   | 1 - 5    |
| Water              | 7732-18-5 | 60 - 80  |

### SECTION 4: First aid measures

#### Description of first aid measures

|                     |                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Move to fresh air. Get medical attention immediately if symptoms occur.                                  |
| <b>Ingestion</b>    | Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur.         |
| <b>Skin Contact</b> | Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur. |
| <b>Eye Contact</b>  | Flush with plenty of water. Get medical attention immediately if symptoms occur.                         |

#### Most important symptoms and effects, both acute and delayed

|                        |                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>      | None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing. |
| <b>Ingestion</b>       | None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.                               |
| <b>Skin Contact</b>    | None under normal use.                                                                                                               |
| <b>Eye Contact</b>     | None under normal use. May cause slight irritation.                                                                                  |
| <b>Chronic Effects</b> | None under normal use.                                                                                                               |

#### Indication of any immediate medical attention and special treatment needed

None

### SECTION 5: Firefighting measures

#### Extinguishing media

##### **Suitable extinguishing media**

Use CO<sub>2</sub>, water, dry chemical, or foam.

##### **Unsuitable extinguishing media**

None

#### Special hazards arising from the substance or mixture

##### **Special Hazard**

None

##### **Hazardous combustion products**

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO)

#### Advice for firefighters

Special protective equipment for fire-fighters  
None

### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

#### Environmental Precautions

Keep out of waterways.

#### Methods and material for containment and cleaning up

Wipe up with adsorbent material (e.g. cloth, fleece).

#### Other Information

None

### SECTION 7: Handling and storage

#### Precautions for safe handling

Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use with adequate ventilation.

#### Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. Keep away from heat and sources of ignition.

### SECTION 8: Exposure controls/personal protection

#### Exposure guidelines

| Chemical name                | OSHA PEL                                                                                                | ACGIH TLV                                                                                                                          |
|------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Glycerin<br>56-81-5          | TWA: 15 mg/m <sup>3</sup> mist, total particulate<br>TWA: 5 mg/m <sup>3</sup> mist, respirable fraction | None                                                                                                                               |
| Ethylene glycol<br>107-21-1  | None                                                                                                    | TWA: 25 ppm vapor fraction<br>STEL: 50 ppm vapor fraction<br>STEL: 10 mg/m <sup>3</sup> inhalable particulate matter, aerosol only |
| Isopropyl alcohol<br>67-63-0 | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup>                                                              | TWA: 200 ppm<br>STEL: 400 ppm                                                                                                      |

Appropriate engineering controls    None under normal use conditions.

#### **Individual protection measures, such as personal protective equipment**

|                               |                                |
|-------------------------------|--------------------------------|
| <b>Eye/face Protection</b>    | Not required under normal use. |
| <b>Skin Protection</b>        | Not required under normal use. |
| <b>Respiratory Protection</b> | Not required under normal use. |

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

|                                        |                                                        |
|----------------------------------------|--------------------------------------------------------|
| Appearance                             | Black ; Liquid                                         |
| Odor                                   | Slight odor                                            |
| Odor threshold                         | No data available                                      |
| pH                                     | 10 - 11                                                |
| Melting/Freezing point (°C)            | No data available                                      |
| Boiling Point/Range (°C)               | No data available                                      |
| Flash Point (°C)                       | 49.0 (Tag. Closed Cup. Combustion is not sustainable.) |
| Evaporation Rate                       | No data available                                      |
| Flammability (solid, gas)              | Not Applicable                                         |
| Flammability Limits in Air             |                                                        |
| Upper Flammability Limit               | No data available                                      |
| Lower Flammability Limit               | No data available                                      |
| Vapor pressure                         | No data available                                      |
| Vapor density                          | No data available                                      |
| Relative density                       | 1.0 - 1.1                                              |
| Solubility(ies)                        | Water; miscible                                        |
| Partition coefficient: n-octanol/water | No data available                                      |
| Autoignition Temperature (°C)          | 500 - 550 (ASTM-E659) ; estimated                      |
| Decomposition Temperature (°C)         | No data available                                      |
| Viscosity (mPa s)                      | 1 - 5                                                  |

#### Other Information

No data available

## SECTION 10: Stability and reactivity

### Reactivity

None

### Chemical stability

Stable

### Possibility of Hazardous Reactions

None

### Conditions to Avoid

None

### Incompatible materials

Acids, Bases, Oxidizing agents, Reducing agents.

### Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), and/or Ammonia.

## SECTION 11: Toxicological information

### Information on toxicological effects

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Acute toxicity                    | No data available                 |
| Skin corrosion/irritation         | Non-irritant (OECD Guideline)     |
| Serious eye damage/eye irritation | Minimal irritant (OECD Guideline) |

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>Sensitization</b>            | Non-sensitizer (OECD Guideline) |
| <b>Germ cell mutagenicity</b>   | Ames test: Negative             |
| <b>Carcinogenicity</b>          | No data available               |
| <b>Reproductive Toxicity</b>    | No data available               |
| <b>STOT - single exposure</b>   | No data available               |
| <b>STOT - repeated exposure</b> | No data available               |
| <b>Aspiration hazard</b>        | No data available               |
| <b>Other Information</b>        | No data available               |

## SECTION 12: Ecological information

### Toxicity

**Ecotoxicity effects**  
No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

## SECTION 13: Disposal considerations

### Waste treatment methods

Dispose of in accordance with local regulations.

## SECTION 14: Transport information

|                                       |                                                                                                              |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b><u>UN number</u></b>               | None                                                                                                         |
| <b><u>UN Proper Shipping Name</u></b> | None                                                                                                         |
| <b><u>Transport Hazard Class</u></b>  | None                                                                                                         |
| <b><u>Packing Group</u></b>           | None                                                                                                         |
| <b><u>Environmental Hazards</u></b>   | Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code. |

Special Precautions for users IATA: Not regulated

Transport in bulk according to Annex II of MARPOL and the IBC Code Not Applicable

## SECTION 15: Regulatory information

### Safety, health and environmental regulations specific for the product in question

|                           |                                                |
|---------------------------|------------------------------------------------|
| TSCA Sec. 4,5,6,7,8,12b   | None                                           |
| SARA Title III Sec. 313   | "Ethylene glycol" (107-21-1) : 5 - 10 Weight % |
| California Proposition 65 | None                                           |
| CEPA Sec. 81              | None (Manufactured Item)                       |
| HPA (WHMIS)               | None (Manufactured Article)                    |
| Other Information         | None                                           |

## SECTION 16: Other information

### **Key literature references and sources for data**

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Environmental Protection Agency, 40CFR Part 700-799
- 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
- California EPA, Code of Regulations Title 27. Division 4. Chapter 1. Safe Drinking Water and Toxic Enforcement Act of 1986
- Environment Canada, Canadian Environmental Protection Act, 1999
- Health Canada, Hazardous Products Act, and Controlled Products Regulations
- Canada Workplace Hazardous Materials Information System

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
- FHSA: Federal Hazardous Substances Act
- 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
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- TSCA: Toxic Substances Control Act
- SARA Title III: SARA Title III of the Superfund Amendments and Reauthorization Act of 1986
- Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986
- CEPA: Canadian Environmental Protection Act, 1999
- HPA: Hazardous Products Act
- WHMIS: Workplace Hazardous Materials Information System
- CBI: Confidential Business Information

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