SECTION 1: Product and company identification

Product identifier

Product name  Canon Ink Tank BCI-1431PC
Product code(s)  8973A
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 tank containing cyan liquid ink with slight odor.
Lactam may damage fertility or the unborn child.
Ethylene glycol may cause damage to kidney through prolonged or repeated exposure.
Urea compound may cause damage to thyroid gland through prolonged or repeated exposure.

Classification under OSHA HCS

Reproductive toxicity Category 1B: Presumed human reproductive toxicant.
Specific target organ toxicity (repeated exposure) Category 2

US Label elements under OSHA HCS

Symbol

Signal word
Danger
Hazard statements
May damage fertility or the unborn child.
May cause damage to kidney and thyroid gland through prolonged or repeated exposure.

Precautionary statements
Not required

Other information
None

Other hazards which do not result in classification
None

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>107-21-1</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Urea compound</td>
<td>CBI</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Triol</td>
<td>CBI</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Lactam</td>
<td>CBI</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60 - 80</td>
</tr>
</tbody>
</table>

Other hazards which do not result in classification
None

SECTION 4: First aid measures

Inhalation
Move to fresh air. Get medical attention immediately if symptoms occur.

Ingestion
Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur.

Skin contact
Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.

Eye contact
Flush with plenty of water. Get medical attention immediately if symptoms occur.

Most important symptoms and effects, both acute and delayed

Inhalation
None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

Ingestion
None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Skin contact
None under normal use.

Eye contact
None under normal use. May cause slight irritation.

Chronic effects
None under normal use.

Indication of any immediate medical attention and special treatment needed
None

SECTION 5: Firefighting measures
**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

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**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**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>TWA: 15 mg/m³ mist, total particulate</td>
<td>None</td>
</tr>
<tr>
<td>56-81-5</td>
<td>TWA: 5 mg/m³ mist, respirable fraction</td>
<td></td>
</tr>
</tbody>
</table>
| Ethylene glycol  
| 107-21-1 | None | TWA: 25 ppm vapor fraction  
| | | STEL: 50 ppm vapor fraction  
| | | STEL: 10 mg/m³ inhalable particulate matter, aerosol only |

**Appropriate engineering controls**  
None under normal use conditions.

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

- **Eye/face protection**  
  Not required under normal use.
- **Skin protection**  
  Not required under normal use.
- **Respiratory protection**  
  Not required under normal use.

### SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

- **Appearance**  
  Cyan; Liquid
- **Odor**  
  Slight odor
- **Odor threshold**  
  No data available
- **pH**  
  8 - 10
- **Melting/freezing point (°C)**  
  No data available
- **Boiling point/range (°C)**  
  No data available
- **Flash point (°C)**  
  > 93.0°C (Tag. Closed Cup.); estimated
- **Evaporation rate**  
  No data available
- **Flammability (solid, gas)**  
  Not applicable
- **Flammability limits in air**  
  - Upper flammability limit: None; estimated
  - Lower flammability limit: None; estimated
- **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
- **Auto-ignition temperature (°C)**  
  None; 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**

No data available
Acids, Bases, Oxidizing agents, Reducing agents.

**Hazardous decomposition products**
Carbon dioxide (CO$_2$), Carbon monoxide (CO), and/or Ammonia.

### SECTION 11: Toxicological information

#### Information on toxicological effects

- **Acute toxicity**
  - No data available

- **Skin corrosion/irritation**
  - Mild irritant (OECD Guideline)

- **Serious eye damage/eye irritation**
  - Minimal irritant (OECD Guideline)

- **Sensitization**
  - Non-sensitizer (OECD Guideline)

- **Germ cell mutagenicity**
  - Ames test: Negative

- **Carcinogenicity**
  - No data available

- **Reproductive toxicity**
  - Lactam is classified as a Category 1B (GHS) developmental toxicant. However, the amount of exposure to lactam is negligible under intended use of this product.

- **STOT - single exposure**
  - No data available

- **STOT - repeated exposure**
  - No data available

- **Aspiration hazard**
  - No data available

- **Other information**
  - 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

<table>
<thead>
<tr>
<th>UN number</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>None</td>
</tr>
<tr>
<td>Transport hazard class</td>
<td>None</td>
</tr>
<tr>
<td>Packing group</td>
<td>None</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.</td>
</tr>
<tr>
<td>Special precautions for users</td>
<td>IATA: Not regulated</td>
</tr>
<tr>
<td>Transport in bulk according to Annex II of MARPOL and the IBC Code</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory information

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

<table>
<thead>
<tr>
<th>TSCA Sec. 4,5,6,7,8,12b</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Title III Sec. 313</td>
<td>&quot;Ethylene glycol&quot; (107-21-1) : 5 - 10 Weight %</td>
</tr>
<tr>
<td>California Proposition 65</td>
<td>None</td>
</tr>
<tr>
<td>CEPA Sec. 81</td>
<td>None (Manufactured Item)</td>
</tr>
<tr>
<td>HPA (WHMIS)</td>
<td>None (Manufactured Article)</td>
</tr>
<tr>
<td>Other information</td>
<td>None</td>
</tr>
</tbody>
</table>

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
- Environment and Climate Change Canada, Canadian Environmental Protection Act, 1999
- Health Canada, Hazardous Products Act, and Hazardous 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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Revision note : SECTION 2 and 11 revised

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