SECTION 1: Product and company identification

Product identifier

Product name: Canon Ink Tank PFI-102MBK
Product code(s): 0894B
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 black liquid ink with slight odor.
Lactam may damage fertility or the unborn child.
Triol is suspected of damaging fertility or the unborn child.

Classification under OSHA HCS

Reproductive toxicity Category 1B

US Label elements under OSHA HCS

Symbol

Signal word
Danger

Hazard statements
May damage fertility or the unborn child.

Precautionary statements
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>10 - 15</td>
</tr>
<tr>
<td>Diethylene glycol</td>
<td>111-46-6</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Lactam</td>
<td>CBI</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Triol</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>

Part of the specific chemical identity and/or percentage of composition is being withheld as a trade secret under 29CFR§1910.1200 (i). In case the information is necessary, please request based on the standard.

SECTION 4: First aid measures

Description of 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

Extinguishing media

Suitable extinguishing media
Use CO₂, 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$_2$), Carbon monoxide (CO)

Advice for firefighters

Special protective equipment for firefighters
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

<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/m$^3$ mist, total particulate TWA: 5 mg/m$^3$ mist, respirable fraction</td>
<td>None</td>
</tr>
<tr>
<td>56-81-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**: Black; Liquid
- **Odor**: Slight odor
- **pH**: 7 - 8
- **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**: Acids, Bases, Oxidizing agents, Reducing agents.
- **Hazardous decomposition products**: Carbon dioxide (CO₂), Carbon monoxide (CO), and/or Ammonia.

SECTION 11: Toxicological information

- **Information on toxicological effects**: No data available
Acute toxicity: No data available

Skin corrosion/irritation: Mild irritant (Estimate) (OECD Guideline)

Serious eye damage/eye irritation: Non-irritant (Estimate) (OECD Guideline)

Sensitization: Non-sensitizer (Estimate) (OECD Guideline)

Germ cell mutagenicity: Ames test: Negative

Carcinogenicity: No data available

Reproductive toxicity: Lactam and triol are classified as a Category 1B (GHS) developmental toxicant and as a Category 2 (GHS) reproductive toxicant, respectively. However, the amount of exposure to these substances 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

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**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

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**SECTION 13: Disposal considerations**

**Waste treatment methods**
Dispose of in accordance with local regulations.

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**SECTION 14: Transport information**
UN number  
None

UN proper shipping name  
None

Transport hazard class  
None

Packing group  
None

Environmental hazards  
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  
None
- 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
- 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

Issuing date : 15-Mar-2006
Revision date : 12-Jan-2021
Revision note : SECTION 2, 3, and 11 revised

Disclaimer
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