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SECTION 1: Product and company identification**Product identifier**

Product name Canon Ink Tank PFI-101BK
Product code(s) 0883B
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.
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 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

| Chemical name | CAS-No | Weight % |
|---------------|-----------|----------|
| Glycerin | 56-81-5 | 5 - 10 |
| Urea compound | CBI | 5 - 10 |
| Lactam | CBI | 1 - 5 |
| Carbon black | 1333-86-4 | 1 - 5 |
| Water | 7732-18-5 | 60 - 80 |

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 (CO₂), 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

| Chemical name | OSHA PEL | ACGIH TLV |
|---------------------------|---|---|
| Glycerin 56-81-5 | TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction | None |
| Carbon black 1333-86-4 | TWA: 3.5 mg/m ³ | TWA: 3 mg/m ³ inhalable fraction |

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 |
| Odor threshold | No data available |
| pH | 8 - 9 |
| 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

| | |
|--|---|
| Acute toxicity | No data available |
| Skin corrosion/irritation | Moderate irritant (OECD Guideline) |
| Serious eye damage/eye irritation | Minimal irritant (OECD Guideline) |
| Sensitization | Non-sensitizer (OECD Guideline) |
| Germ cell mutagenicity | Ames test: Negative |
| Carcinogenicity | The IARC evaluated carbon black, as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposure to powdered carbon black at levels that induce particle overload of the lung. However, the amount of inhalation exposure to powdered carbon black is negligible under intended use of this product. |
| 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

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

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