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SECTION 1: Product and company identification

Product Identifier

Product name Canon Ink Tank BCI-1401BK
Product Code(s) 7568A
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.
6390 Dixie Road, Mississauga, Ontario L5T 1P7, Canada
Phone number : (1) 905-795-1111
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.
Ethylene glycol and Diethylene glycol may cause damage to kidney through prolonged or repeated exposure.

Classification under OSHA HCS

Category 3 flammable liquid
Category 2 specific target organ toxicity (repeated exposure)

US Label Elements under OSHA HCS

Symbol



Signal word

Warning

Hazard statements

Flammable liquid and vapor
May cause damage to kidney 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
Diethylene glycol	111-46-6	5 - 10
Ethylene glycol	107-21-1	1 - 5
Isopropyl alcohol	67-63-0	1 - 5
Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[1,4-dimethyl-1,4-bis(2-methylpropyl)-2-but yne-1,4-diyl]bis[.omega.-hydroxy-	9014-85-1	1 - 5
Ammonia derivative	CBI	10 - 15
Glycol	CBI	5 - 10
Water	7732-18-5	60 - 80

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, dry chemical, or foam, Water.

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 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 56-81-5	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction	None
Ethylene glycol 107-21-1	None	Ceiling: 100 mg/m ³ aerosol only

Isopropyl alcohol 67-63-0	TWA: 400 ppm TWA: 980 mg/m ³	TWA: 200 ppm STEL: 400 ppm
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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	9 - 10
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	58.2 (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)	No data available
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	Non-irritant (OECD Guideline)
Serious eye damage/eye irritation	Non-irritant (OECD Guideline)
Sensitization	Non-sensitizer (OECD Guideline)
Germ cell mutagenicity	Ames test: Negative Chromosome aberration test: Negative
Carcinogenicity	No data available
Reproductive Toxicity	No data available
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>	No special environmental precautions required.
<u>Special Precautions for users</u>	None
<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	"Ethylene glycol" (107-21-1) : 1 - 5 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
- IARC: International Agency for Research on Cancer
- 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
- 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 revised

Disclaimer

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