

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product Name: INK TANK BCI-3PM P FOR BUBBLE JET PRINTER

**STATEMENT OF HAZARDOUS NATURE:** Not classified as hazardous according to the criteria on Worksafe Australia.

Manufacturer: Canon Inc.  
30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan  
Phone: +81 3 3758-2111

Distributor: Canon Australia Pty Ltd  
1 Thomas Holt Drive  
North Ryde NSW 2113  
Phone: (02) 9805-2000

**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredient(s)

Chemical Name	CAS #	Weight %	EU Symbol	EU R-Phrase
Glycerin	56-81-5	5-10	None	None
Ethylene glycol	107-21-1	<10	Xn	R22
Diethylene glycol	111-46-6	<5	Xn	R22
Isopropyl alcohol	67-63-0	<5	No health risk	No health risk

Chemical Name	USA OSHA PEL	ACGIH TLV
Glycerin	(as mist) Total dust TWA = 15 mg/m <sup>3</sup> Respirable fraction TWA = 5 mg/m <sup>3</sup>	(as mist) TWA = 10 mg/m <sup>3</sup>
Ethylene glycol	Not established	STEL = 100mg/m <sup>3</sup>
Diethylene glycol	Not established	Not established
Isopropyl alcohol	TWA = 400 ppm, 980 mg/m <sup>3</sup>	TWA = 400 ppm, 983 mg/m <sup>3</sup> STEL = 500 ppm, 1230 mg/m <sup>3</sup>

Chemical Name	EU ILV	DFG MAK
Glycerin	Not established	Not established
Ethylene glycol	Not established	TWA = 10ppm, 26mg/m <sup>3</sup>
Diethylene glycol	Not established	TWA = 10 ppm, 44 mg/m <sup>3</sup>
Isopropyl alcohol	Not established	TWA = 200 ppm, 500 mg/m <sup>3</sup>

**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS - Continued**

**Carcinogen**

Chemical Name	CAS #	Reference
None		

**Other Ingredient(s)**

Chemical/Generic Name	Weight %
Water	60-80
Ammonia derivative	5-10

**SECTION 3 HAZARDS IDENTIFICATION**

**Emergency Overview:** Ink tank containing magenta liquid ink with slight odor.

**Potential Health Effects and Symptoms:**

**Inhalation:** No adverse effects are expected under intended use. Over exposure to isopropyl alcohol, ethylene glycol and diethylene glycol may cause headache, nausea, dizziness, vomiting, drowsiness, cough sore throat. Glycerin mist may cause physical irritation and difficulty breathing.

**Ingestion:** Ingestion of isopropyl alcohol and ethylene glycol and diethylene glycol and glycerin may cause nausea, drowsiness, dizziness, vomiting, abdominal pain, headache, dullness.

**Eye:** May cause minimal irritation.

**Skin:** May cause mild irritation.

**Chronic Effects:** Not identified

**Medical Conditions Generally known to be Aggravated by Exposure:**  
Not identified

**SECTION 4 FIRST AID MEASURES**

First Aid Measures:

Inhalation: If symptoms are experienced, move victim to fresh air and obtain medical advice.

Ingestion: Give one or two glasses of water.  
If irritation or discomfort occur, obtain medical advice immediately.

Eye: Immediately flush with water for 5 minutes or until the chemical is removed.  
If irritation persists, obtain medical advice immediately.

Skin: Wash with water and soap or mild detergent.  
If irritation persist, obtain medical attention.

Note to Physicians: None

**SECTION 5 FIRE FIGHTING MEASURES**

Fire Fighting Measures:

Extinguishing Media: CO<sub>2</sub>, water, foam or dry chemicals.

Unsuitable Extinguishing Media: None

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Fire and Explosive Properties:

Flash Point(°C): 56.0°C (Tag. closed cup. Do not sustain combustion.)

Flammable(Explosive) Limits: No data available

Autoignition Temperature(°C): No data availavle

Flammability: Classified as "non-flammable" under 88/379/EEC(EU) and FHSA (USA) and "combustible liquid" under OSHA-HCS(USA).

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**SECTION 5 FIRE FIGHTING MEASURES - Continued**

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**Fire and Explosive Properties - Continued:**

Autoflammability:	None
Explosive Properties:	None
Oxidizing Properties:	None
Hazardous Combustion Products:	CO, CO <sub>2</sub> and NOx.
Other Properties:	None

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Personal Precautions: Avoid contact with skin, eyes and clothing.

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Environmental Precautions: Do not release into sewer, surface water or ground water.

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Method for Cleaning Up: Wipe off with wet cloth or paper.

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**SECTION 7 HANDLING AND STORAGE**

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Handling: Avoid contact with skin, eyes and clothing. When contact, wash out immediately.

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Storage: Keep out of the reach of children.  
Keep in a cool and dry place.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Guidelines: Not established for this material.  
See SECTION 2.

Engineering Controls: Use usual ventilation to keep airborne concentrations below the exposure limit.  
(See SECTION 2)

Personal Protection Equipment(s):

Respiratory Protection:  Required  Not Required

Eye/Face Protection:  Required  Not Required

Skin Protection:  Required  Not Required

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Magenta liquid
Odor:	Slight odor
pH:	9.9
Boiling Point/Range(°C):	No data available
Melting Point/Range(°C):	No data available
Decomposition Temperature(°C):	No data available
Flash Point(°C):	56.0°C (Tag. closed cup. Do not sustain combustion.)
Flammable (Explosive) Limits:	No data available
Autoignition Temperature(°C):	No data availavle
Flammability:	Classified as "non-flammable" under 88/379/EEC(EU) and FHSA (USA) and "combustible liquid" under OSHA-HCS(USA).
Autoflammability:	None
Explosive Properties:	None
Oxidizing Properties:	None
Vapor Pressure:	no data available
Vapor Density:	No data available
Density / Specific Gravity:	1.053
Water Solubility:	Miscible
Fat Solubility:	No data available
Partition Coefficient (n-Octanol/Water):	No data available
Percent Volatile:	60-80 %
Evaporation Rate:	No data available

**SECTION 10 STABILITY AND REACTIVITY**

Stability:  Stable  Unstable

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: CO, CO<sub>2</sub>, NO<sub>x</sub> and Ammonia.

Hazardous Polymerization:  May Occur  Will Not Occur

Conditions to Avoid: None

**SECTION 11 TOXICOLOGICAL INFORMATION**

Acute Toxicity:

Inhalation: No data available

Ingestion: No data available

Eye: Minimal irritant (estimate)

Skin: Mild irritant (estimate)

Sensitization: Non sensitizer (estimate)

Mutagenicity: Estimate : Ames test : Negative  
(test strains: *S.typhimrium*)

Reproductive Toxicity: No data available

**SECTION 11 TOXICOLOGICAL INFORMATION - Continued**

Carcinogenicity: No human carcinogen or potential carcinogen, according to IARC Monographs, NTP, OSHA(USA) regulation and EU Directive (Annex I to Directive 67/548/EEC)

Others: None

**SECTION 12 ECOLOGICAL INFORMATION**

Mobility: No data available.

Persistence / Degradability: No data available.

Bioaccumulation: No data available.

Ecotoxicity: No data available.

Other Adverse Effects: No data available.

**SECTION 13 DISPOSAL CONSIDERATION**

Method of Disposal: Disposal may be subject to federal, state and local laws.

**SECTION 14 TRANSPORT INFORMATION**

UN #: None

UN Shipping Name: None

UN Classification: None

UN Packing Group: None

Special Precautions: None

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**SECTION 15 REGULATORY INFORMATION**

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**EU Information:****Information on the Label:**Symbol & Not required  
Indication: \_\_\_\_\_R-Phrase: Not required  
\_\_\_\_\_S-Phrase: Not required  
\_\_\_\_\_Dangerous None  
Component(s): \_\_\_\_\_  
\_\_\_\_\_**Specific Provisions in Relation to Protection of Man or the Environment:**76/769/EEC: Not regulated  
\_\_\_\_\_(EC)3093/94: Not regulated  
\_\_\_\_\_(EEC)2455/92: Not regulated  
\_\_\_\_\_Others: None  
\_\_\_\_\_**USA Information:****Information on the Label:**Signal Word: None  
\_\_\_\_\_Hazard warning: None  
\_\_\_\_\_Safety Advice: None  
\_\_\_\_\_Hazardous None  
Component(s): \_\_\_\_\_  
\_\_\_\_\_**SARA Title III §313:**

Chemical Name	Weight %
Ethylene glycol(107-21-1)	<10

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**California Proposition 65:**

Chemical Name	Weight %
None	

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**SECTION 16 OTHER INFORMATION**

**Other Information:**

None

**Literature Reference:**

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- 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
- DFG, List of MAK and BAT Values
- EU Directive 76/769/EEC, 67/548/EEC, 88/379/EEC and their amendments.
- EU Regulation (EC)3093/94, (EEC)2455/92 and their amendments.

**Abbreviations:**

- "EU" stands for European Union.
- "OSHA PEL" stands for PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration.
- "ACGIH TLV" stands for TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.
- "EU ILV" stands for Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC.
- "DFG MAK" stands for MAK(Maximale Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.
- "TWA" stands for Time Weighted Average.
- "IARC" stands for International Agency for Research on Cancer.
- "NTP" stands for National Toxicology Program (USA).

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