

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

Product Name: INK TANK BCI-3M 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	5-10	Xn	R22
Diethylene glycol	111-46-6	< 5	Xn	R22
Isopropyl alcohol	67-63-0	< 3	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 = 100 mg/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 listed
Ethylene glycol	Not established	TWA = 10 ppm, 26 mg/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:** Small plastic container containing magenta liquid ink with slight odor.

**Potential Health Effects and Symptoms:**

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

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

**Eye:** May cause minimal irritation based on the animal test data. (See SECTION 11)

**Skin:** May cause mild irritation based on the animal test data. (See SECTION 11)

**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 advice.

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): 55.0°C(Tag. closed cup. Do not sustain combustion.)

Flammable(Explosive) Limits: No data available

Autoignition Temperature(°C): No data available

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:	10.2
Boiling Point/Range(°C):	No data available
Melting Point/Range(°C):	No data available
Decomposition Temperature(°C):	No data available
Flash Point(°C):	55.0°C(Tag. closed cup. Do not sustain combustion.)
Flammable (Explosive) Limits:	No data available
Autoignition Temperature(°C):	No data available
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:	1.06
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>, NOx 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; (rabbit) Maximum Group Mean Score = 8.0, Class 3  
OECD Guidelines No.405  
Commission Directive 92/69/EEC Method B5

Skin: Mild irritant; (rabbit) Primary Irritation Index (PII) = 1.2  
OECD Guidelines No.404  
Commission Directive 92/69/EEC Method B4

Sensitization: Non sensitizer; (guinea pig) Sensitization rate= 0% (0/10)  
OECD Guidelines No.406  
Commission Directive 92/69/EEC Method B6

Mutagenicity: 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)	5-10

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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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