

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

Product Name: Ink Tank BCI-8C

Product Code: F47-1791

Manufacturer: Canon Inc., 30-2,Shimomaruko 3-Chome,Ohta-ku,Tokyo,Japan, Ph # 03-3758-2111

Supplier: Canon USA, Inc., One Canon Park, Melville, NY 11747, USA

Phone #: 1-800-OK-CANON 24 Hr. Emergency CHEMTREC # 1-800-424-9300

MSDS #: IC0211-0101

## 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

Isopropyl alcohol	67-63-0	< 3	No health risk	No health risk
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Chemical Name	USA OSHA PEL	ACGIH TLV
Glycerin	(as mist) Total dust TWA = 15 mg/m3 Respirable fraction TWA = 5mg/m3	(as mist) TWA = 10 mg/m3

Isopropyl alcohol	TWA = 400 ppm, 980mg/m3	TWA = 400ppm, 983 mg/m3 STEL = 500ppm, 1230 mg/m3
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Chemical Name	EU ILV	DFG MAK
Glycerin	Not established	Not established

Isopropyl alcohol	Not established	TWA = 200ppm, 500mg/m3
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## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS - Continued

### Carcinogen

Chemical Name	CAS #	Reference
None		

### Other Ingredient(s)

Chemical/Generic Name	Weight %
Water	60 - 90
Ammonia derivatives	5 - 10
Glycol	< 8

## SECTION 3 HAZARDS IDENTIFICATION

**Emergency Overview:** Ink tank containing cyan liquid ink with slight odor.  
Over exposure to vapor or mist may cause irritation.  
Combustible liquid.

### Potential Health Effects and Symptoms:

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

**Ingestion:** Over ingestion of isopropyl alcohol and glycerin may cause nausea, drowsiness, dizziness, vomiting, abdominal pain, headache, diarrhea, sore throat.

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

**Skin:** May cause mild irritant 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 persists, 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):** 57.9°C(Tag Closed:Do not sustain combustion)

**Flammable(Explosive) Limits:** No data available

**Autoignition Temperature(°C):** No data available

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

### SECTION 5 FIRE FIGHTING MEASURES - Continued

#### Fire and Explosive Properties - Continued:

Autoflammability: None

Explosive Properties: None

Oxidizing Properties: None

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

Other Properties: None

### SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Environmental Precautions: It's recommended not to release to sewer, surface water or ground water.

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

### SECTION 7 HANDLING AND STORAGE

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

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

## 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 permissible exposure limits. (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:	Cyan liquid
Odor:	Slight odor
pH:	9.7 - 10.7
Boiling Point/Range(°C):	No data available
Melting Point/Range(°C):	No data available
Decomposition Temperature(°C):	No data available
Flash Point(°C):	57.9°C(Tag Closed:Do not sustain combustion)
Flammable (Explosive) Limits:	No data available
Autoignition Temperature(°C):	No data available
Flammability:	Classified as "combustible liquid" under OSHA-HCS(USA) and "non-flammable" under 88/379/EEC(EU)
Autoflammability:	None
Explosive Properties:	None
Oxidizing Properties:	None
Vapor Pressure:	No data available
Vapor Density:	No data available
Density / Specific Gravity:	1.07
Water Solubility:	Miscible
Fat Solubility:	No data available
Partition Coefficient (n-Octanol/Water):	No data available
Percent Volatile:	65 - 85 %
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; Maximum Group Mean Scor=5.3 Class 3 (rabbit)  
 OECD Guidelines No.405  
 Commission Directive 92/69/EEC Method B5

Skin: Mild irritant; Primaly Irritation Index (PII)= 1.7 (rabbit)  
 OECD Guidelines No.404  
 Commission Directive 92/69/EEC Method B4

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

Mutagenicity: Ames test : Negative  
 (test strains: *S.typhimurium* & *E.Coli*)

Reproductive Toxicity: No data available

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**SECTION 11 TOXICOLOGICAL INFORMATION - Continued**

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

Others: None

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**SECTION 12 ECOLOGICAL INFORMATION**

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Mobility: No data available

Persistence /  
Degradability: No data available

Bioaccumulation: No data available

Ecotoxicity: No data available

Other Adverse  
Effects: No data available

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**SECTION 13 DISPOSAL CONSIDERATION**

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Method of Disposal: Dispose in accordance with all applicable regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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UN #: None

UN Shipping Name: None

UN Classification: None

UN Packing Group: None

Special Precautions: None

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**SECTION 15 REGULATORY INFORMATION**

**EU Information:**

**Information on the Label:**

Symbol & Indication: Not required

R-Phrase: Not required

S-Phrase: Not required

Dangerous Component(s): None

**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: Not required

Hazard warning: Not required

Safety Advice: Not required

Hazardous Component(s): None

**SARA Title III §313:**

Chemical Name	Weight %
Copper compound	< 5
As Copper metal	< 0.35

**California Proposition 65:**

Chemical Name	Weight %
None	



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**SECTION 16 OTHER INFORMATION**

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**Other Information:**

None

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**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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