

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

<b>Product Name:</b>	Canon Color BJ Cartridge BC-06 Photo
<b>Product Code:</b>	0886A / F45-1131
<b>Manufacturer:</b>	Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Ph# 03-3758-2111
<b>Supplier:</b>	Canon USA, Inc., One Canon Park, Melville, NY 11747, USA
<b>Phone # :</b>	1-800-OK-CANON 24 Hr. Emergency CHEMTREC # 1-800-424-9300

### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

#### < Ingredient(s) >

Chemical Name / Generic name	CAS # / EC #	Weight %	EU Symbol/ R-Phrase	USA OSHA PEL	ACGIH TLV	EU ILV	DFG MAK
Glycerin	56-81-5 / 200-289-5	5 - 10	None / None	(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>	Not established	Not established
Thiodiglycol	111-48-8 / 203-874-3	5 - 10	Xi / R36	Not established	Not established	Not established	Not established
Isopropyl alcohol (Contained only in magenta ink)	67-63-0 / 200-661-7	1 - 3	F / R11 Xi / R36 R67	TWA = 400 ppm, 980 mg/m <sup>3</sup>	TWA = 200 ppm, 492 mg/m <sup>3</sup> STEL = 400 ppm, 984 mg/m <sup>3</sup>	Not established	200 ppm, 500 mg/m <sup>3</sup>
Poly(oxy-1,2-ethanediyl),.alpha. [1,4-dimethyl-1,4-bis(2-methylp ropyl)- 2-butyne-1,4-diyl]bis [.omega.-hydroxy-	9014-85-1 / Not applicable	1 - 3	Xi / R41	Not established	Not established	Not established	Not established
C.I. Direct Yellow 173 (Contained only in yellow ink)	Not registered / 414-410-6	1 - 3	Xi / R41	Not established	Not established	Not established	Not established
Ammonia derivative	Confidential	5 - 10	None / None	Not established	Not established	Not established	Not established
Water	7732-18-5 / 231-79-12	65 - 85	None / None	Not established	Not established	Not established	Not established

### < Carcinogen >

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Annex I to Directive 67/548/EEC.

## SECTION 3 HAZARDS IDENTIFICATION

### EU Classification:

Not classified as dangerous.

### Emergency Overview:

A set of three colors ink cartridges. (Cyan, Magenta and Yellow)

All the ink is liquid mixture with slight odor.

### Potential Health Effects and Symptoms:

#### Inhalation:

No adverse effects are expected under intended use.

Over exposure to vapor or mist may cause respiratory tract irritation, cough, dizziness, drowsiness, headache and nausea.

#### Ingestion:

May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

#### Eye:

All colors : May cause minimal irritation. (See SECTION 11)

#### Skin:

Cyan and Yellow : May cause mild irritation and no sensitization.

Magenta : Neither irritation nor sensitization is expected.

(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:

Rinse mouth. Give one or two glasses of water.

If irritation or discomfort occurs, obtain medical advice immediately.

#### Eye:

Immediately flush with lukewarm, gently flowing 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 (See also Section 9):

##### Hazardous Combustion Products:

CO, CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub>

##### Other Properties:

None

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### Personal Precautions:

Avoid contact with skin, eyes and clothing.

#### Environmental Precautions:

Do not 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:

Use with adequate ventilation.

Avoid contact with skin, eyes and clothing.

In case of contact, wash out the contaminated area immediately.

#### Storage:

Keep in a cool and dry place. Protect from sunlight.

Keep away from heat and flame.

Keep out of the reach of children.

#### Specific Uses:

Ink for Ink Jet Printer.

For more information, please refer to the instruction of this product.

### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Guidelines:

Not established for this ink. (See also SECTION 2)

#### Engineering Controls:

Use adequate ventilation.

#### 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

<b>Appearance:</b>	Cyan, magenta and yellow liquid
<b>Odor:</b>	Slight odor
<b>pH:</b>	7.0 - 10.7
<b>Boiling Point/Range(°C):</b>	Not available
<b>Melting Point/Range(°C):</b>	Not available
<b>Decomposition Temperature(°C):</b>	Not available
<b>Flash Point(°C):</b>	Magenta : Estimate : 55 - 57 (Tag, Closed Cup. Combustion is not sustainable.) Cyan and Yellow : Estimate : None
<b>Flammable (Explosive) Limits:</b>	Not available
<b>Autoignition Temperature(°C):</b>	Not available
<b>Flammability:</b>	Magenta : Classified as "combustible liquid" under OSHA-HCS. Not classified as "flammable" or "combustible" under FHSA. Not classified as "flammable" under 1999/45/EC. Cyan and Yellow : Neither flammable nor combustible.
<b>Explosive Properties:</b>	None
<b>Oxidizing Properties:</b>	None
<b>Vapor Pressure :</b>	Not available
<b>Vapor Density :</b>	Not available
<b>Density / Specific Gravity:</b>	1.04 - 1.10
<b>Water Solubility :</b>	Miscible
<b>Fat Solubility :</b>	Not available
<b>Partition Coefficient (n-Octanol/Water):</b>	Not available
<b>Percent Volatile (%):</b>	65 - 85
<b>Evaporation Rate:</b>	Not available
<b>Viscosity (mPa s):</b>	1.4 - 2.3

### SECTION 10 STABILITY AND REACTIVITY

<b>Stability:</b>	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable
<b>Conditions to Avoid:</b>	None
<b>Materials to Avoid:</b>	Acids, bases, oxidizing materials and reducing agents
<b>Hazardous Decomposition Products:</b>	CO, CO <sub>2</sub> , NO <sub>x</sub> , Ammonia and SO <sub>x</sub>
<b>Hazardous Polymerization:</b>	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur
<b>Conditions to Avoid:</b>	None

### SECTION 11 TOXICOLOGICAL INFORMATION

#### Acute Toxicity:

##### Inhalation:

Not available

##### Ingestion:

Yellow : Estimated LD<sub>50</sub> > 5000 mg/kg, 0/3 mortalities at 2000 mg/kg (rat)

OECD Guidelines No.423 (1996)

96/54/EC Method B1 tris

Cyan and Magenta : Not available

##### Eye:

Cyan and Magenta : [Data of similar composition ink] Minimal irritant (rabbit)

Yellow : Minimal irritant, Maximum Group Mean Score = 4.7, Class 3 (rabbit)

OECD Guidelines No.405 (1987)

92/69/EEC Method B5

##### Skin:

Cyan : [Data of similar composition ink] Mild irritant (rabbit)

Magenta : [Data of similar composition ink] Non irritant (rabbit)

Yellow : Mild irritant, Primary Irritation Index = 0.5 (rabbit)

OECD Guidelines No.404 (1992)

92/69/EEC Method B4

#### Sensitization:

Magenta : [Data of similar composition ink] Non sensitizer (guinea pig)

OECD Guidelines No.406 (1992)

92/69/EEC Method B6

Cyan : [Data of similar composition ink] Non sensitizer (guinea pig)

Yellow : Non sensitizer, Sensitization rate = 0 % (0/10) (guinea pig)

OECD Guidelines No.406 (1992)

96/54/EC Method B6

#### Mutagenicity:

Ames test :

Cyan and Magenta : Negative (test strains: *S.typhimurium*)

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

#### Reproductive Toxicity:

Not available

#### Carcinogenicity:

Not available

#### Others:

Not available

### SECTION 12 ECOLOGICAL INFORMATION

**Mobility:** Not available

**Persistence / Degradability:** Not available

**Bioaccumulation:** Not available

**Ecotoxicity:** Not available

**Other Adverse Effects:** Not available

### SECTION 13 DISPOSAL CONSIDERATION

#### Method of Disposal:

Disposal should 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

**Marine Pollutant:** ☐ Yes ☒ No **Chemical name (wt%):**

**Special Precautions:** None

### 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

**Special Precautions under 1999/45/EC Annex V:**  
Not required

#### Specific Provisions in Relation to Protection of Man or the Environment:

**76/769/EEC:** Not regulated

**(EC)2037/2000:** Not regulated

**(EC)304/2003:** Not regulated

**Others:** None

### < USA Information >

#### Information on the Label under FHSA:

**Signal Word:** Not required

**Hazard warning:**  
Not required

**Safety Advice:**  
Not required

**Hazardous Component(s):**  
None

#### SARA Title III §313:

Chemical Name	Weight %
None	

#### California Proposition 65:

Chemical Name	Weight %
None	

### < Canada Information >

**WHMIS Controlled Product:** Not applicable (Manufactured article)

### < Australia Information >

**Statement of Hazardous Nature:** Not classified as hazardous according to criteria of NOHSC.

## SECTION 16 OTHER INFORMATION

<R phrase list>

R11 : Highly flammable.

R36 : Irritating to eyes.

R41 : Risk of serious damage to eyes.

R67 : Vapours may cause drowsiness and dizziness.

<Revised information from the previous version>

Entirely revised.

## MATERIAL SAFETY DATA SHEET

MSDS #: IC1308-0101

Product Code: 0886A / F45-1131

### 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, 1999/45/EC
- EU Regulation (EC)2037/2000, (EC)304/2003
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substances [NOHSC:1008]

### Abbreviations:

EU: European Union.  
 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.  
 EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC and 2000/39/EC.  
 DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.  
 TWA: Time Weighted Average.  
 STEL: Short Term Exposure Limit.  
 IARC: International Agency for Research on Cancer.  
 NTP: National Toxicology Program (USA).  
 OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA).  
 FHSA: Federal Hazardous Substances Act (USA).  
 WHMIS: Workplace Hazardous Materials Information System.  
 NOHSC: National Occupational Health and Safety Commission.

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