

**MATERIAL SAFETY DATA SHEET**

**Manufacturer:** Canon Inc:  
30-2, Shimomaruko  
3-Chome, Ohta-Ku  
Tokyo  
JAPAN

**Telephone number:** 03 758 2111

**Distributor:** Canon (UK) Ltd.

**Date of preparation:** September 19th, 1996

**SECTION 1 - IDENTIFICATION**

**Product Name:** Canon Ink cartridge BC-06 Photo Cartridge

**Description:** Ink Cartridge for BJC240 & 250

**SECTION 2 - INGREDIENTS**

Chemical Name	CAS#	Weight %	EU Symbol	EU R-Phase
Glycerine	56-81-5	5-10	None	None
Isopropyl Alcohol (contained only in Magenta ink)	667-63-0	<5	No concern with health	No concern with health

Chemical Name	USA OSHA PEL	ACGIH TLV
Glycerine	(as mist) Total Dust TWA = 15 mg/m <sup>3</sup> Respirable Fraction TWA = 5mg/m <sup>3</sup>	(as mist) Total Dust TWA = 10 mg/m <sup>3</sup>
Isopropyl Alcohol (Contained only in Magenta ink)	TWA = 400ppm 980mg/m <sup>3</sup>	TWA = 400ppm, 983 mg/m <sup>3</sup> STEL = 500 ppm 1230 mg/m <sup>3</sup>

Chemical Name	EU ILV	DFG MAK		
Glycerine	None	None		

Chemical Name	CAS#	Reference
Isopropyl Alcohol (contained only in magenta ink)	None	MAK = 400 ppm 980 mg/m <sup>3</sup>

SECTION 2 - INGREDIENTS - Cont.

Other ingredient(s) Chemical / Generic Name	Weight %
Water	60 - 90
Water Soluble organic compound	5-10
Water Soluble organic solvent	5-10

SECTION 3 - HEALTH HAZARD DATA

**Effects of Overexposure :**

Inhalation: May be harmful if inhaled in large amounts.

Ingestion: May be harmful if swallowed

Eye Contact: May cause mild irritation

Skin Contact: May be non-irritating

Chronic Effects: Not Identified.

Medical conditions generally known to be aggravated by exposure. Not Identified.

**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: If a person breathes in large amounts, remove to fresh air. Get medical attention.

Ingestion: Give one or two glasses of water and seek medical attention.

Eye Contact: Flush with plenty of water for 15 mins. Skin Contact: Wash with water and soap

SECTION 4 - FIRST AID MEASURES

**First Aid Measures**

**Inhalation:** If person breathes in large amounts, remove to fresh air. Get medical attention.

**Ingestion:** Give one or two glasses of water and call a doctor

**Eye:** Immediately flush with water for 15 minutes. If irritation persist get medical attention.

**Skin:** Wash with water and detergent. If irritation persists get medical attention.

**OSHA** This column reveals the PEL (Permissible Exposure Limit) under the Occupational Safety and Health Administration.

**ACGIH** This column reveals the TLV (Threshold Limit Value) under the American Conference of Governmental Hygienists.

**DFG** This column reveals the MAK (Maximum Arbeitsplatzkonzentrationen) under the Deutsche Forschungsgemeinschaft.

## SECTION 5 - FIRE FIGHTING MEASURES

### Fire Fighting Measures:

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

**Unsuitable**

**Extinguishing Media:** None

**Special Fire Fighting Procedures** None

**Unusual Fire and Explosive Hazards:** None

### Fire and Explosive Properties:

**Flash Point (°C):** Magenta ink: 56.0 °C (c.c.) (combustion not continued)

**Flammable (Explosive)**

**Limits:** No Data Available

**Autoignition**

**Temperature (°C):** Magenta ink: 470 °C (ASTM-E659)

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

## SECTION 6 - SPILL OR LEAK PROCEDURES

Personal precautions: None

Environmental Precautions: None

Method of Cleaning: Wipe off with wet cloth

## SECTION 7 - SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep out of reach of children

Do not take internally  
If contact with hands, eyes or clothing-wash out immediately

#### SECTION 8 - SPECIAL PROTECTION INFORMATION:

<b>Exposure Guidelines:</b>	Not established. - See Section 2.
<b>Engineering Controls</b>	Use usual ventilation to keep airborne concentrations below the exposure limit:(See SECTION 2)
<b>Respiratory Protection:</b>	None required
<b>Protective Gloves:</b>	None required
<b>Eye Protection:</b>	None required
<b>Other Protective Equipment:</b>	None

#### SECTION 9 - PHYSICAL DATA

Boiling point (°C):	No Data Available
Melting Point (°C):	No Data Available
Decomposition Temperature:	No Data Available
Vapour Pressure (mmHg):	No Data Available
Vapour Density (AIR=1)	No Data Available
Solubility in Water:	Miscible
Fat Solubility:	No Data Available
Evaporation Rate:	No Data Available
Specific Gravity:	No Data Available
Percent Volatile by Volume (%)	No Data Available
PH	8 - 10
Appearance and Odour:	Three colours, slight door
Flammable (Explosive Limits):	No Data Available
Autoignition Temperature:	Magenta ink: 470 °C (ASTM-E659)
Flammability:	Classified as “combustible liquid” under OSHA-HCS (USA) and “non-flammable under” 88/379/EEC (EU)
Autoflammability:	None
Explosive Properties:	None
Partition Coefficient (n-Octanol/water)	No Data Available
Oxidising Properties:	None

#### SECTION 10 - REACTIVITY DATA

<b>Stability:</b>	Stable
<b>Hazardous Decomposition Products:</b>	CO, CO <sub>2</sub> , NO <sub>x</sub> , and Ammonia

**Hazardous Polymerisation:**

Will not occur

- \* The term "IARC" stands for International Agency for Research on Cancer.
- \*\* The term "NTP" stands for National Toxicology Program.

## SECTION 11 - TOXICITY DATA

Inhalation:	No Data Available
Ingestion:	No Data Available
Eye:	No data available. Date of similar composition ink (Yellow) Rabbit: Minimally irritating (M1) The calculated maximum Draize score: 4 EPA (Fiftra) Pesticide Assessment guideline, par 81-4, “Primary Eye Irritation Study”.
Skin:	No Data Available Date of similar composition ink (Yellow)Yellow ink Rabbit: Non irritating: a primary irritation Index of 0.0 EPA (Fiftra) Pesticide Assessment guideline, par 81-5, “Primary Eye Irritation Study”.
Sensitisation:	No Data Available
Mutagenicity:	Cyan ink: Negative (Test strains: s.typhimurim)
Reproductive Toxicity:	No Data Available
<u>Carcinogenicity:</u>	No human carcinogen or potential carcinogen, according to IARC Monographs*, NTP**, OSHA (USA) regulation and EU Directive (Annex 1 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 Effect:	No Data Available

## SECTION 13 - DISPOSAL CONSIDERATION

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

**SECTION 14 - TRANSPORTATION INFORMATION**

UN#: None  
 UN Shipping Name: None  
 UN Classification: None  
 UN Packing Group: None  
 Special Precautions: None

**SECTION 15 - REGULATORY INFORMATION-USA**

**EU Information**

<b>Information on the Label</b>	
Symbol & Indication	Not Required
R-Phase:	Not Required
S-Phase	Not Required
Dangerous Component(s)	None
<b>Specific Provision in Relation of Man or the Environment:</b>	
76/769/EEC:	Not Regulated
(EC)3093/94:	Not Regulated
(EEC)2455/92:	Not Regulated
Others:	None

**USA Information:**

<b>Information on the Label:</b>	
Signal Word:	Not Required
Hazard Warning:	Not Required
Safety Advice:	Not Required
Hazardous Component(s):	None

**SARA Title III §313**

Chemical	Weight %
None	
<b>California Proposition 65</b>	
Chemical	Weight %
None	

**This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or process. And, it is based on the level of our knowledge.**