

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

Product Name: CANON COLOR BJ CARTRIDGE BC-06 PHOTO FOR BUBBLE JET PRINTER

Product Code: F45-1131

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 #: IC0145-0201

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 (Contained only in magenta ink)	67-63-0	<5	No concern with health	No concern with health
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Chemical Name	USA OSHA PEL	ACGIH TLV
Glycerin	(as mist) Total dust TWA = 15 mg/m ³ Respirable fraction TWA = 5 mg/m ³	(as mist) Total dust TWA = 10 mg/m ³

Isopropyl alcohol (Contained only in magenta ink)	TWA = 400 ppm, 980 mg/m ³	TWA = 400 ppm, 983 mg/m ³ STEL = 500 ppm, 1230mg/m ³
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Chemical Name	EU ILV	DFG MAK
Glycerin	None	None

Isopropyl alcohol (Contained only in magenta ink)	None	MAK = 400 ppm, 980 mg/m ³
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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
Water-soluble organic compound	5 - 10
Water-soluble organic solvent	5 - 10

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: A set of three colors ink cartridge, (Cyan, magenta, yellow)
All the ink is liquid mixture with slight odor.

Potential Health Effects and Symptoms:

Inhalation: No effects are expected under intended use.
May be harmful if inhaled in large amount.

Ingestion: May be harmful if swallowed.

Eye: May cause slight irritant based on the animal test data of similar ink.

Skin: May be no irritant based on the animal test data of similar ink.

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 person breathes in large amounts, remove to fresh air. Get medical attention.
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Ingestion:	Give one or two glasses of water. Call a physician.
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Eye:	Immediately flush with water for 15 minutes. If irritation persists, get medical attention.
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Skin:	Wash with water and detergent. If irritation persists, get medical attention.
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Note to Physicians:	None
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SECTION 5 FIRE FIGHTING MEASURES

Fire Fighting Measures:

Extinguishing Media:	CO ₂ , Water or dry chemicals.
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Unsuitable Extinguishing Media:	None
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Special Fire Fighting Procedures:	None
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Unusual Fire and Explosion Hazards:	None
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Fire and Explosive Properties:

Flash Point(°C):	Magenta ink:56.0°C(c.c.)(combustion not continued)
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Flammable(Explosive) Limits:	No data available
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Autoignition Temperature(°C):	Magenta ink: 470°C(ASTM-E659)
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Flammability:	Classified as "combustible liquid"under OSHA-HCS(USA) and "non-flammable" under 88/379/EEC(EU)
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SECTION 5 FIRE FIGHTING MEASURES - Continued

Fire and Explosive Properties - Continued:

Autoflammability: None

Explosive Properties: None

Oxidizing Properties: None

Hazardous Combustion Products: CO, CO₂, NO_x and Ammonia

Other Properties: None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: None

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

SECTION 7 HANDLING AND STORAGE

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

Storage: Keep out of the reach of children.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Not established.
 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:	Three colors ink, cyan, magenta and yellow
Odor:	Slight odor
pH:	8-10
Boiling Point/Range(°C):	No data available
Melting Point/Range(°C):	No data available
Decomposition Temperature(°C):	No data available
Flash Point(°C):	Magenta ink:56.0°C(c.c.)(combution 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)
Autoflammability:	None
Explosive Properties:	None
Oxidizing Properties:	None
Vapor Pressure:	No data available
Vapor Density:	No data available
Density / Specific Gravity:	1.07-1.08
Water Solubility:	Miscible
Fat Solubility:	No data available
Partition Coefficient (n-Octanol/Water):	No data available
Percent Volatile:	No data available
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, CO₂, NO_x 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: No data available.
 Data of similar composition ink(Yellow);
 Rabbit: Minimally irritaiting(M1): the calculated maximum Draize score:4
 EPA(FIFRA) Pesticide Assessment Guideline par.81-4 "Primary Eye Irritation Study"

Skin: No data available.
 Data of similar composition ink(Yellow);
 Rabbit: Non-irritaiting: a primary irritation index of 0.0
 EPA(FIFRA) Pesticide Assessment Guideline par.81-5"Primary Dermal Irritation Study"

Sensitization: No data available

Mutagenicity: Yellow ink:Negative (test strains: S. typhimurium)

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

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)2037/2000: 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 %
None	

California Proposition 65:

Chemical Name	Weight %
None	

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
- EU Regulation (EC)2037/2000, (EEC)2455/92

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 and 2000/39/EC.
- "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).
- "OSHA HCS" stands for Occupational Safety and Health Act, Hazard Communication Standard.
- "FHSA" stands for Federal Hazardous Substances Act.

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