



MSDS#: FAX-0023-001 (1/ 4)

MATERIAL SAFETY DATA SHEET

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042
Telephone: 516-328-5600

24 hr. Emergency Contact
CHEMTREC: 800-424-9300

Date of preparation: 10/97

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION1.1 IDENTIFICATION OF THE SUBSTANCE OF PREPARATION

Product Name: BC-20 & BCI-21 Black Ink Cartridge

ITEM No.(s): F45-0561-400, F45-0561-410, F45-0561-610, F47-0731
F47-0731-400, F47-0731-TWN

DESCRIPTION: Black Ink Cartridge for FAX B380IF & CFXB380IF.

1.2 COMPANY/UNDERTAKING IDENTIFICATION

Manufacturer: Canon Inc, Tokyo Japan
30-2, Shimomaruko 3-Chome, Ohta-Ku
Tokyo Japan
Phone: 03-3758-2111

Supplier: Canon USA, Inc.
One Canon Plaza
Lake Success, NY 11042
Phone: (516) 328-5600

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight %	(CAS Registry No.)	Component
< - 10	(000107-21-1)	* Ethylene Glycol (less than 10%)
5 - 10	(000056-81-5)	* Glycerin
< - 5	(000067-63-0)	* Isopropyl Alcohol
70 - 90	(007732-18-5)	Water
5 - 10	(-----)	Water-Soluble Organic Compound

* = See SECTION 8 for Exposure Limits.

Manufacturer contact states all other information is proprietary.

SECTION 3. HAZARDS IDENTIFICATION

*** ■EMERGENCY OVERVIEW■ ***

Low Hazard For Recommended Handling.

NFPA RATING: Health = 0, Flammability = 1, Reactivity = 0

HMIS RATING: Health = 1, Flammability = 0, Reactivity = 0

Note: HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

SECTION 4. FIRST-AID MEASURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Eyes: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin: Wash with soap and water. Get medical attention if symptoms occur.

Ingestion: Drink 1-2 glasses of water. Seek medical attention.

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SECTION 5. FIRE FIGHTING MEASURES

<u>SECTION 5: FIRE FIGHTING MEASURES</u>	
Flash Point (Method Used):	N/A
Ignition Temperature:	N/A
Flammability:	N/A
Flammable Limits:	N/A
Extinguishing Media:	Water spray, carbon dioxide (CO2), dry chemical.
Special Fire Fighting Procedures:	None
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide.
Unusual Fire and Explosion Hazards:	None.

SECTION 6. ACCIDENTAL RELEASE MEASURES

8. ACCIDENTAL RELEASE MEASURES
Use absorbent material to soak up spilled excess ink.

SECTION 7. HANDLING AND STORAGE

<u>SECTION 7: HANDLING AND STORAGE</u>	
Personal Precautionary Measures:	Use with adequate ventilation. Wash hands thoroughly after handling.
Prevention of Fire and Explosion:	Keep from contact with oxidizing materials.
Storage:	Keep container closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Exposure Limits:

Glycerin (as mist)	OSHA (TWA/PEL):	15mg/m ³ (Total Dust)
		5mg/m ³ (Respirable Fraction)
Ethylene Glycol	ACGIH (TWA/TLV):	10mg/m ³ (Total Dust)
Isopropyl Alcohol	ACGIH (TWA/TLV):	50 ppm (Ceiling)
	OSHA (TWA/PEL):	400 ppm

Ventilation: Good ventilation (typically 4-6 room volumes per hour) should be used. Ventilation rates should be matched to conditions.

Personal Protection: Good industrial hygiene practice should be followed which includes preventing eye contact, minimizing skin contact, inhalation.

Respiratory Protection: None required when used in intended fashion.

Eye Protection: It is good industrial hygiene practice to minimize eye contact.

Skin Protection: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Recommended Decontamination Facilities: Washing facilities

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Section 7: PHYSICAL AND CHEMICAL PROPERTIES
Physical Form: Liquid
Color: Black
Odor: Slight Sweet-alcoholic odor.
Specific Gravity: (Water=1): 1.04
Vapor Pressure: N/A
Vapor Density (Air=1): N/A
Evaporation Rate (n-Butyl Acetate=1): N/A
Melting Point: N/A
Solubility in Water: Miscible
Solubility in Organic Solvents: N/A
pH: 8 to 10

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830-1468 + 830-1469

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable
 Incompatibility: Strong oxidizing agents.
 Hazardous Polymerization: Will not occur.
 Hazardous Decomposition Products: Combustion will produce carbon dioxide and possibly toxic chemicals such as carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE:

INHALATION: Expected to be a low hazard for recommended handling.
 EYE: No specific hazards known. May cause transient irritation.
 SKIN: Expected to be low hazard for recommended handling.
 INGESTION: May be harmful if swallowed.

Mutagenicity: Salmonella typhimurium assay (Ames test): Negative

SECTION 12. ECOLOGICAL INFORMATION

This material has not been tested for environmental effects. In a spill situation this material may be visually unpleasant; however, it is not expected to cause any adverse environmental effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Incinerate or landfill, Can be incinerated when in compliance with local regulations. Discharge, treatment, or disposal may be subject to federal, state, or local laws.

SECTION 14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not Regulated
 D.O.T. HAZARD CLASS: N/A
 UN No.: N/A

SECTION 15. REGULATORY INFORMATION

- Material(s) known to the State of California to cause cancer: None
 - Material(s) known to the State of California to cause adverse reproductive effects: None
 - Carcinogenicity Classification (components present at 0.1% or more): None
 - International Agency for Research on Cancer (IARC): None
 - American Conference of Governmental Industrial Hygienists (ACGIH): None
 - National Toxicology Program (NTP): None
 - Occupational Safety and Health Administration (OSHA): None
 - Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: Ethylene Glycol (000107-21-1) <-10 Wt%
 - TSCA STATUS: All chemical ingredients found on TSCA Inventory.
 - RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the end-user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as hazardous waste.
- 40 CFR 261.20-24

SECTION 16. OTHER INFORMATION

U.S./Canada Label Statements: LOW HAZARD FOR RECOMMENDED HANDLING

Use with adequate ventilation.

IN CASE OF FIRE: Use Water spray, carbon dioxide (CO2), or dry chemical.

IN CASE OF SPILL: Absorb and remove. Flush residual spill area with water

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

PREPARED BY: Quality Management Department
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