



## 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.

830-1468 &amp; 830-1469

## SECTION 5. FIRE FIGHTING MEASURES

Flash Point (Method Used): N/A  
Ignition Temperature: N/A  
Flammability: N/A  
Flammable Limits: N/A  
Extinguishing Media: Water spray, carbon dioxide (CO<sub>2</sub>), 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

Use absorbent material to soak up spilled excess ink.

## SECTION 7. HANDLING AND STORAGE

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

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

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

## 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

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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.

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