

# Canon

#532

7262671

7262730

MSDS#: PRT-0031-001 ( 1/ 3)

## 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: 8/92  
Date of revision: 12/92

### SECTION 1 IDENTIFICATION

PRODUCT NAME: Canon Ink Cartridge Black BC-02  
DESCRIPTION: Liquid mixture. Black Ink for BJ-200  
ITEM NO: F45-0241-400, F45-0241-500  
NFPA HMIS RATINGS: Health: 0, Flammability: 1, Reactivity: 0

### SECTION 2 INGREDIENTS

PRINCIPAL COMPONENTS	CAS No.	Wt%	OSHA (PEL)	ACGIH (TLV)
Water	7732-18-5	70-90	N/A	N/A
Glycerin	56-81-5	5-10	(as mist) TWA 10mg/m <sup>3</sup>	(as mist) TWA 10mg/m <sup>3</sup>
			Respirable fraction TWA 5mg/m <sup>3</sup>	
Water-soluble Dye	-----	5-10	N/A	N/A
Water-soluble Solvent	-----	5-10	N/A	N/A
Isopropyl Alcohol	67-63-0	<-5	TWA 980mg/m <sup>3</sup> STEL=1225mg/m <sup>3</sup>	TWA 980mg/m <sup>3</sup> STEL=1225mg/m <sup>3</sup>

\*See SECTION 5A-5C.

N/A = Not Applicable

Manufacturer contact states all other information is proprietary.

Concerning carcinogenicity, the ingredients listed above are not listed on the latest NTP Annual Report, IARC Monographs and OSHA regulations.

### SECTION 3 PHYSICAL DATA

BOILING POINT (C)	N/A
MELTING POINT (C)	N/A
VAPOR PRESSURE (mmHg.):	N/A
VAPOR DENSITY (Air = 1):	N/A
SOLUBILITY IN WATER:	Miscible
SOLUBILITY IN ORGANIC SOLVENTS:	Glycerin, Isopropyl Alcohol
SPECIFIC GRAVITY (Water):	1.04
PERCENT VOLATILE BY VOLUME (%):	N/A
EVAPORATION RATE (BUTYL ACETATE=1):	N/A
pH:	6 to 10
APPEARANCE AND ODOR:	Black liquid, Mild odor

## SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): 61 degrees Cent. (closed cup Tag.)  
 No ignition. (open cup Tag.)  
 IGNITION TEMPERATURE: 475 degrees Cent.  
 FLAMMABLE LIMITS: N/A  
 FLAMMABILITY: N/A  
 EXTINGUISHING MEDIA: Water, Carbon dioxide, dry chemical.  
 SPECIAL FIRE FIGHTING PROCEDURES: None  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None

## SECTION 5 HEALTH HAZARD DATA

A. EXPOSURE LIMITS: The user cannot access ink during exchange of cartridge, or use of copier, unless user breaks the cartridge.

	OSHA	ACGIH	
Glycerin	TWA 10mg/m <sup>3</sup>	TWA 10mg/m <sup>3</sup>	(Total Dust As Mist)
	TWA 5mg/m <sup>3</sup>		(Respirable Fraction)
Isopropyl Alcohol	TWA 400ppm	TWA 400ppm	
	980mg/m <sup>3</sup>	980mg/m <sup>3</sup>	
	STEL 500ppm	STEL 500ppm	
	1225mg/m <sup>3</sup>	1225mg/m <sup>3</sup>	

## B. EFFECTS OF OVEREXPOSURE:

Inhalation: No specific hazard is known to Canon under normal conditions of use.  
 Ingestion: Harmful if swallowed.  
 Eye contact: No specific hazard is known to Canon.  
 Skin contact: No specific hazard is known to Canon.

No data available for chronic effects of overexposure.

## C. TOXICITY DATA:

ACUTE TOXICITY: Oral, Rat (16 CFR 1500.3)  
 LD50 > 5000mg/kg animal body weight.  
 Dermal, Rat (U.S. 16 CFR 1500.40)  
 LD50 > 2000mg/kg animal body weight.  
 EYE IRRITATION: Negative (Rabbit); (According to 16 CFR 1500.42)  
 SKIN IRRITATION: Mildly irritating (Rabbit); (Primary irritation Index {PII} calculated to be 0.3, 16 CFR 1500.41)  
 Mutagenicity: Negative (Ames Test); (S. Typhimurium)

## SECTION 6 EMERGENCY FIRST AID PROCEDURES

Inhalation: If person breathes in large amounts, move victim to fresh air. Get medical attention.  
 Skin: Wash well with soap and water.  
 Eye: Flush with plenty of water and get medical attention.  
 Ingestion: Get prompt medical attention.

## SECTION 7 REACTIVITY DATA

STABILITY: Stable  
 INCOMPATIBILITY: None  
 HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia in concentration less than 1%.  
 HAZARDOUS POLYMERIZATION: Will not occur



MSDS#: PRT-0031-001 ( 3/ 3 )

#### SECTION 8 SAFE USE OR HANDLING

##### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wipe off with absorbent paper or wet cloth.

##### WASTE DISPOSAL METHOD:

No special disposal technique is required. Ensure disposal in compliance with federal, state and/or local regulations.

#### SECTION 9 SPECIAL PROTECTION INFORMATION

##### RESPIRATORY PROTECTION:

None required.

##### VENTILATION:

None required.

##### PROTECTIVE GLOVES:

None required.

##### EYE PROTECTION:

None required.

##### OTHER PROTECTIVE EQUIPMENT:

None

#### SECTION 10 SPECIAL PRECAUTIONS

##### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not take internally.

Keep Out Of Reach Of Children.

#### SECTION 11 REGULATORY INFORMATION

REPORTABLE CHEMICALS UNDER SARA TITLE III, CERCLA: -None-

##### DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: N/A

HAZARDOUS CLASS: N/A

UN ID No.: N/A

ALL COMPONENTS ARE REGISTERED IN ACCORDANCE WITH TSCA.

---

This information relates to the specific material designated and may not be valid for such material used in combination with any other material or in any process.

PREPARED BY: Joseph Palmeri  
TITLE: Regulatory Compliance Specialist  
TELEPHONE No.: (516) 328-5600