

MATERIAL SAFETY DATA SHEET

Page 1 of 8 MSDS #: IC1300-0101 Product Code: 0897A / F45-1421

SECTION 1	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING			
Product Name:	Canon BJ Cartridge BC-23			
Product Code:	0897A / F45-1421			
Manufacturer:	Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Ph # 03-3758-2111			
Suplier:	Canon USA, Inc., One Canon Park, Melville, NY 11747, USA			
Phone # :	1-800-OK-CANON	24 Hr. Emergency CHEMTREC # 1-800-424-9300		

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

ECTION 2	000000			JI ON INGKE			
Ingredient(s) > Chemical Name / Generic name	CAS # / EC #	Weight %	EU Symbol/ R-Phrase	USA OSHA PEL	ACGIH TLV	EU ILV	DFG MAK
Glycerin	56-81-5 / 200-289-5	5 - 10	None / None	$\begin{tabular}{ c c c c c } (as mist) \\ Total dust \\ TWA = 15 mg/m^3 \\ Respirable fraction \\ TWA = 5 mg/m^3 \end{tabular}$	(as mist) TWA = 10 mg/m ³	Not established	Not established
Diethylene glycol	111-46-6 / 203-872-2	2 - 6	Xn / R22	Not established	Not established	Not established	10 ppm, 44 mg/n
Triol	Confidential	5 - 10	None / None	Not established	Not established	Not established	Not established
Water	7732-18-5 / 231-79-12	65 - 85	None / None	Not established	Not established	Not established	Not established



< Carcinogen >

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Annex I to Directive 67/548/EEC.

SECTION 3 HAZARDS IDENTIFICATION

EU Classification:

Not classified as dangerous.

Emergency Overview:

Ink cartridge containing black liquid ink with slight odor.

Potential Health Effects and Symptoms:

Inhalation:

No adverse effects are expected under intended use.

Over exposure to vapor or mist may cause respiratory tract irritation, cough, dizziness, drowsiness, headache and nausea.

Ingestion:

May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

Eye:

May cause minimal irritation. (See SECTION 11)

Skin:

Neither irritation nor sensitization is expected. (See SECTION 11)

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 symptoms are experienced, move victim to fresh air and obtain medical advice.

Ingestion:

Rinse mouth. Give one or two glasses of water.

If irritation or discomfort occurs, obtain medical advice immediately.

Eye:

Immediately flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed. If irritation persists, obtain medical advice immediately.

Skin:

Wash with water and soap or mild detergent.

If irritation persists, obtain medical advice.

Note to Physicians:

None



SECTION 5 FIRE FIGHTING MEASURES

Fire Fighting Measures:

Extinguishing Media:

CO₂, water, foam or dry chemicals

Unsuitable Extinguishing Media:

None

Special Fire Fighting Procedures:

None

Unusual Fire and Explosion Hazards: None

Fire and Explosive Properties (See also Section 9):

Hazardous Combustion Products:

CO and CO₂

Other Properties:

None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin, eyes and clothing.

Environmental Precautions:

Do not release to sewer, surface water or ground water.

Method for Cleaning Up:

Wipe off with wet cloth or paper.

SECTION 7 HANDLING AND STORAGE

Handling:

Use with adequate ventilation. Avoid contact with skin, eyes and clothing. In case of contact, wash out the contaminated area immediately.

Storage:

Keep in a cool and dry place. Protect from sunlight. Keep out of the reach of children.

Specific Uses:

Ink for Ink Jet Printer. For more information, please refer to the instruction of this product.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Not established for this ink. (See also SECTION 2)

Engineering Controls:

Use adequate ventilation.

Personal Protection Equipment(s):

Respiratory Protection:	Required
	Not Required
Eye/Face Protection:	Required
	Not Required
Skin Protection:	Required
	Not Required



SECTION 9 PHYSICAL AND C	HEMICAL PROPERTIES
Appearance:	Black liquid
Odor:	Slight odor
pH:	7.0 - 9.0
Boiling Point/Range(°C):	Not available
Melting Point/Range(°C):	Not available
Decomposition Temperature(°C):	Not available
Flash Point(°C):	None (Cleveland open cup)
Flammable (Explosive) Limits:	Not available
Autoignition Temperature(°C):	Not available
Flammability:	Neither flammable nor combustible.
Explosive Properties:	None
Oxidizing Properties:	None
Vapor Pressure :	Not available
Vapor Density :	Not available
Density / Specific Gravity:	1.04 - 1.10
Water Solubility :	Miscible
Fat Solubility :	Not available
Partition Coefficient (n-Octanol/Water	. Not available
Percent Volatile (%):	65 - 85
Evaporation Rate:	Not available
Viscosity (mPa s):	1.8 - 2.4
SECTION 10 STABILITY AND F	REACTIVITY
Stability:	⊠ Stable
Stability.	Unstable
Conditions to Avoid:	None
Materials to Avoid:	Acids, bases, oxidizing materials and reducing agents
Hazardous Decomposition Products:	CO and CO,
Hazardous Polymerization:	☐ May Occur ☑ Will Not Occur
Conditions to Avoid:	None



SECTION 11 TOXICOLOGICAL INFORMATION Acute Toxicity: Inhalation: Not available Ingestion: LD _{ws} > 2000 mg/kg, 0/10 mortalities at 2000 mg/kg (rat) OECD Guidelines No.401 (1987) 92/69/EEC Method B1 Eye: Minimal irritant, Maximum Group Mean Score = 5.3, Class 3 (rabbit) OECD Guidelines No.405 (1987) 92/69/EEC Method B5 Skin: Non-irritant, Primary Irritation Index = 0.0 (rabbit) OECD Guidelines No.404 (1992) 92/69/EEC Method B4 Sensitization: Non-sensitizer, Sensitization rate = 0 % (0/10) (guinea pig) OECD Guidelines No.406 (1992) 92/69/EEC Method B6 Mutagenicity: Ames test : Negative (test strains: S.typhimurium & E.Coli) Reproductive Toxicity: Not available Carcinogenicity: Not available Others: Not available			
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Reproductive Toxicity: Not available Carcinogenicity: Not available Others:	Mutagenicity:		
Not available Carcinogenicity: Not available Others:	Ames test :	Negative (test strains: S.typhimurium & E.Coli)	
Carcinogenicity: Not available Others:	Reproductive Top	icity:	
Not available Others:	Not availab	le	
Others:	Carcinogenicity:		
	Not availab	le	
Not available	Others:		
	Not availab	le	



MATERIAL SAFETY DATA SHEET

SECTION 12 F	COLOGICAL INFORMATION
Mobility:	Not available
Persistence / Degradability:	Not available
Bioaccumulation:	Not available
Ecotoxicity:	Not available
Other Adverse Effe	ets: Not available
Method of Disposal:	DISPOSAL CONSIDERATION e subject to federal, state and local laws.
SECTION 14 T	TRANSPORT INFORMATION
UN #:	None
UN Shipping Name:	None
UN Classification:	None
UN Packing Group:	None
Marine Pollutant:	☐ Yes Chemical name (wt%): ➤ No
Special Precautions:	None
SECTION 15 F < EU Information > Information on the I	REGULATORY INFORMATION
	Laber: ation: Not required
R-Phrase: Not required	
S-Phrase: Not required	
Dangerous Com None	ponent(s):
Special Precauti	ons under 1999/45/EC Annex V:
Not required	
Specific Provisions in	n Relation to Protection of Man or the Environment:
76/769/EEC:	Not regulated
(EC)2037/2000:	Not regulated
(EC)304/2003:	Not regulated
Others:	None



< USA Information >

Information on the	Label under FE	ISA:	
Signal Word:	Not required		
Hazard warnin Not required	g:		
Safety Advice: Not required			
Hazardous Con None	nponent(s):		
SARA Title III §313	3:		
Chemical Na	ame		Weight %
None			
California Propositi	ion 65:		
Chemical Na	ame		Weight %
None			
< Canada Informati WHMIS Contro		Not applicable (Manufactured article)	
< Australia Informa	ntion >		
Statement of Ha	azardous Nature:	Not classified as hazardous according to criteria o	of NOHSC.
SECTION 16	OTHER INFOR	MATION	
<r list="" phrase=""> R22 : Harmful if</r>	swallowed.		
D 110			

<Revised information from the previous version> Entirely revised.



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, 1999/45/EC
- EU Regulation (EC)2037/2000, (EC)304/2003
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substances [NOHSC:1008]

Abbreviations:

EU: European Union.

- OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA).
- ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.
- EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC and 2000/39/EC.
- DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.

TWA: Time Weighted Average.

STEL: Short Term Exposure Limit.

- IARC: International Agency for Research on Cancer.
- NTP: National Toxicology Program (USA).
- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA).
- FHSA: Federal Hazardous Substances Act (USA).
- WHMIS: Workplace Hazardous Materials Information System.
- NOHSC: National Occupational Health and Safety Commission.

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