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

Product Name: COLOUR BJ CARTRIDGE BC-22e PHOTO

STATEMENT OF HAZARDOUS NATURE: Not classified as hazardous according to the

criteria on Worksafe Australia.

Manufacturer: Canon Inc.

30-2, Shimomaruko 3-Chome, Ohta-ku Tokyo, Japan

Phone: 03-3758-2111

Distributor: Canon Australia Pty Ltd

1 Thomas Holt Drive North Ryde NSW 2113 Phone: (02) 9805-2000

Date of preparation: 9 September 1997

Revised: 13 October 1997

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
Ethylene glycol (contained only in black ink)	107-21-1	<10	Xn	R22
Isopropyl alcohol	67-63-0	<5	No Concern with health	No Concern with health
Chemical Name	USA OSHA PEL		ACGIH TLV	
Glycerin	(as mist) Total dust TWA=15 mg/m3 Respirable fraction TWA=5mg/m3		(as mist) Total dust TWA=10 mg/	/m3
Ethylene glycol (contained only in black ink)	None		(aerosol) Ceiling= 39.4	ppm, 100mg/m3
Isopropyl alcohol	TWA=400 ppm, 980mg/m3		TWA=400 ppm, 983mg/m3 STEL=500 ppm, 1230mg/m3	
Chemical Name	EU ILV		DFG MAK	
Glycerin	None		None	
Ethylene glycol (contained only in black ink)	None		MAK= 10ppm, 26mg/m3	
Isopropyl alcohol	None		MAK=400 ppm, 980mg/m3	

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SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS – Continued

Carcinogen
Chemical Name
CAS # Reference
None

Other Ingredient(s)
Chemical / Generic NameWeight %Water70 - 90 (Black ink)
60 - 90 (Colour ink)Water-soluble organic compound5 - 10Water-soluble organic solvent5 - 10

SECTION 3 HAZARDS IDENTIFICATION

Emergency A set of four colours ink cartridge, (Black, cyan, magenta, yellow)

Overview: All the ink is liquid mixture with slight odour.

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: Black: May be no irritant based on the animal test data of similar

composition ink.

Colour: May cause slight irritation based on the animal test data.

Skin: Black: May cause slight irritation based on the animal test data of similar

composition ink.

Colour: May be non-irritating based on the animal test data.

Chronic Effects: Not identified

Medical Conditions Generally known to be Aggravated by Exposure:

Not identified

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SECTION 4 FIRST AID MEASURES

First Aid Measures:

Inhalation: If person breathes in large amounts, remove to fresh air.

Get medical attention.

Ingestion: Give one or two glasses of water.

Call a physician.

Eye: Immediately flush with water for 15 minutes.

If irritation persists, get medical attention.

Skin: Wash with water and detergent.

If irritation persists, get medical attention.

Note to Physicians: None.

SECTION 5 FIRE FIGHTING MEASURES

Fire Fighting Measures:

Extinguishing

CO2, Water or dry chemicals.

Media:

Unsuitable None.

Extinguishing Media:

Special Fire None.

Fighting Procedures:

Unusual Fire and

None.

Explosion Hazards:

Fire and Explosive Properties:

Flash Point (°C): Black: 47.8°C (estimated), Colour: 56°C (c.c. combustion not continued)

Flammable No data available.

(Explosive) Limits:

Autoignition Black: 539 °C (estimated according to the similar ink)

Temperature (°C): Colour: 470°C (ASTM-E659)

Flammability: Classified as "combustible liquid" under OSHA-HCS (USA) and

Revised:

"non-flammable" under 88/379/EEC(EU).

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SECTION 5 FIRE	FIGHTING MEASURES - Continued		
Fire and Explosive Pr	operties – Continued:		
Autoflammability:	None.		
Explosive Properties	s: None.		
Oxidising Properties	: None.		
Hazardous Combustion Product	CO, CO ₂ and NO _x .		
Other Properties:	None.		
SECTION 6 ACCII	DENTAL RELEASE MEASURES		
Personal Precautions:	Avoid contact with skin and eyes.		
Environmental Precautions:	It is recommended to keep away from drains, surface- and ground-water.		
Method for Cleaning Up:	Wipe off with wet cloth or paper.		
SECTION 7 HAND	DLING AND STORAGE		
Handling:	Avoid contact with skin, eyes and clothing, when contact, wash out immediately.		
Storage:	Keep out of the reach of children.		

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SECTION 8 EXPO	SURE CONT	ROLS / PERSONAL PROTECTION			
Exposure Guidelines:	Not establishe See SECTION				
Engineering Controls:	ngineering Controls: Use usual ventilation to keep airborne concentrations below the exposure limit. (See SECTION 2)				
Personal Protection E					
Respiratory Protection:	□ Required	☑ Not Required			
Eye / Face Protection:	☐ Required	☑ Not Required			
Skin Protection:	☐ Required	☑ Not Required			
SECTION 9 PHYS	ICAL AND (CHEMICAL PROPERTIES			
Appearance:		Black, cyan, magenta and yellow liquid			
Odour:		Slight odour			
pH:		8 - 10			
Boiling Point / Range	(°C):	No data available			
Melting Point / Range	e (°C):	No data available			
Decomposition Temp	erature (°C):	No data available			
Flash Point (°C):		Black: 47.8°C (estimated), Colour: 56°C (c.c combustion not continued)			
Flammable (Explosive	e) Limits:	No data available			
Autoignition Temperature (°C):		Black: 539 °C (estimated according to the similar ink)			
Flammability:		Classified as "combustible liquid" under OSHA-HCS(USA) and "non-flammable" under 88/379/EEC(EU).			
Autoflammabailty:		None			
Explosive Properties:		None			
Oxidizing Properties:		None			
Vapour Pressure:		No data available			
Vapour Density:		No data available			
Density / Specific Gravity:		Black: 1.04, Colour: 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			

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SECTION 10 STABI	LITY AND REACTIVITY		
Stability:	☑ Stable ☐ Unstable		
Conditions to Avoid:	None		
Materials to Avoid:	None		
Hazardous Decompos Products:	tion CO, CO2, NOx and Ammonia		
Hazardous Polymerisa	tion		
Conditions to Avoid:	None		
SECTION 11 TOXIC	OLOGICAL INFORMATION		
Acute Toxicity: Inhalation:	No data available		
Ingestion:	o data available		
Eye:	low ink) Rabbit: Minimally irritating (M1): the calculated maximum ze score: 4 (EPA (FIFRA) Pesticide Assessment Guideline par. 81-4 "Primary Eye Irritation Study" ck) Data of similar composition ink: Rabbit: Non- irritating: a maximum group mean score = 0.0 (FSHA: US 16CFR 1500.42, According to a modified Key and Calandra system)		
Skin:	ow ink) Rabbit: Non-irritating: a primary irritation index of 0.0 (EPA (FIFRA) Pesticide Assessment Guideline par.81-5 "Primary Dermal Irritation Study" (x) Data of similar composition ink: Rabbit: Mild irritant: a primary irritation index = 1.1 (FSHA: US16CFR 1500.41, According to the Draize classification scheme)		
Sensitisation:	No data available		
Mutagenicity:	Ames test : Negative (test strains: S. typhimurium)		
Reproductive Toxicity:	No data available		

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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

None

UN Packing Group: No

Special Precautions:

None

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SECTION 15 REGULATORY INFORMATION

EU Information: Information on the I	_abel:		
Symbol & Indication:	Not required		
R-Phrase:	Not required		
S-Phrase:	Not Required		
Dangerous Compo	onent(s):		
	None		
Specific Provision 76/769/EEC:	s in Relation to Protection of Not regulated	Man or the Environment:	
(EC)3093/94:	Not regulated		
(EEC)2455/92:	Not regulated		
Others:	None		
USA Information: Information on the l Signal Word:	Label: Not required		
Hazard warning:	Not required		
Safety Advice:	Not required		
Hazardous Component(s):	None		
SARA Title III §313 Chemical Na		Weight %	
Ethylene glyc		<10	
(contained only in black ink) Copper compound (contained only in cyan ink)		<5%	
As copper metal		<0.2% (maximum)	
California Propositio Chemical Nar		Waiald	
	ne	Weight	

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SECTION 16 OTHER INFORMATION

Other Information:

None

Literature Reference:

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environment 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 Organisation 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 and their amendments
- EU Regulation (EC)3093/94, (EEC)2455/92 and their amendments

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 Government Industrial Hygienists.
- 'EU ILV' stands for Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC.
- '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).

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