

F45-1231 IC-158-0101

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

Product Name: CANON BJ CARTRIDGE BC-60

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					
Diethylene glycol (contained only in slightly yellow ink)	111-46-6	3-7	Xn	R22					
Isopropyl alcohol (contained only in black ink)	67-63-0	<5	No Concern with health	No Concern with health					
Chemical Name	USA OSHA I	PEL	ACGIH TLV						
Glycerin	(as mist) Total dust TWA=15 mg, Respirable fra TWA=5mg/m	action	(as mist) Total dust TWA=10 mg/m3						
Diethylene glycol (contained only in slightly yellow ink)	None		None						
Isopropyl alcohol (contained only in black ink)	TWA=400 pp	om, 980mg/m3	TWA=400 ppm, 983mg/m3 STEL=500 ppm, 1230mg/m3						
Chemical Name	EU ILV		DFG MAK						
Glycerin	None		None						
Diethylene glycol (contained only in slightly yellow ink)	None		MAK=10ppm, 44mg/m3						
Isopropyl alcohol (contained only in black ink)	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 Name

Weight %

Water

70 – 90

Water-soluble organic compound

5 – 10

Water-soluble organic solvent 5-10

SECTION 3 HAZARDS IDENTIFICATION

Emergency A set of two colours ink cartridge (Black, slightly yellow)

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

Potential Health Effects and Symptoms:

Inhalation: No effects are expected under intended use.

If over exposed to Glycerin mist, Diethylene glycol and Isopropyl alcohol may cause irritation, difficulty breathing, nausea, headache, dizziness etc..

Ingestion: Ingestion of Diethylene glycol and Isopropyl alcohol may cause nausea,

Headache, vomiting, diarrhoea, stomach pain, irregular heartbeat etc..

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

Slightly yellow: May cause slight irritation.

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

Slightly yellow: May cause slight irritation.

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 5 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: 45-50 °C (Combustion not continued) (estimate), Slightly yellow:

None (estimate)

Flammable

No data available.

(Explosive) Limits:

Autoignition

Black: 515-545 °C (estimate), Slightly yellow: No data available

Temperature (°C):

Flammability: Black ink: judging from the estimated flash point, classified as "combustible

liquid" under OSHA-HCS (USA), "non-flammable" under 88/379/EEC (EU)

and FSHA (USA).



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SECTION 5 FIRE	FIGHTING MEASURES - Continued										
Fire and Explosive Pr	operties – Continued:										
Autoflammability:	ammability: None.										
Explosive Properties	: None.										
Oxidising Properties	: None.										
Hazardous Combustion Product	CO, CO ₂ , NO _x and Ammonia. s:										
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	LING 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								
xposure Guidelines: Not established. See SECTION 2										
Engineering Controls:		ntilation to keep airborne concentrations posure limit. (See SECTION 2)								
Personal Protection E	quipment(s):									
Respiratory Protection:	□ Required	☑ Not Required								
Eye / Face Protection:	☐ Required	☑ Not Required								
Skin Protection:	☐ Required	☑ Not Required								
SECTION 9 PHYS	ICAL AND (CHEMICAL PROPERTIES								
Appearance:		Two colours ink, Black and slightly yellow								
Odour:		Slight odour								
pH:		Black ink: 8 – 10, Slightly yellow ink: 6-8								
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: 45-50 °C (combustion not continued) (estimate), Slightly yellow: None (estimate)								
Flammable (Explosive	e) Limits:	No data available								
Autoignition Tempera	ature (°C):	Black: 515-545 °C (estimate), Slightly yellow: None (estimate)								
Flammability:		Black ink: judging from the estimated flash point, classified "combustible liquid" under OSHA-HCS (USA), "non-flammable" under 88/379/EEC (EU) and FHSA (USA)								
Autoflammabailty:		None								
Explosive Properties:		None								
Oxidizing Properties:		None								
Vapour Pressure:		No data available								
Vapour Density:		No data available								
Density / Specific Gra	avity:	Black ink: 1.06- 1.07, Slightly yellow ink: 1.05								
Water Solubility:		miscible								
Fat Solubility:		No data available								
Partition Coefficient (n-Octanol / Water):		No data available								
Percent Volatile:		≥ 90%								
Evaporation Rate:		No data available								



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SECTION 10 STAB	ILITY	AND REACTIVITY									
Stability:											
Conditions to Avoid:		None									
Materials to Avoid:		None									
Hazardous Decompos Products:	sition	CO, CO2, NOx and Ammonia									
Hazardous Polymeris	ation	☐ May Occur ⊠ Will Not Occur									
Conditions to Avoid:		None									
SECTION 11 TOXIO	COLOG	GICAL INFORMATION									
Acute Toxicity:											
Inhalation:	No dat	ta available									
Ingestion:	No dat	ta available									
Eye:		ta available (ink): Data of similar composition ink; Rabbit: Non-irritating: A maximum group mean score = 0.0 (FSHA: US 16 CFR 1500.42, According to the Draize classification scheme)									
Skin:		ta available (ink): Data of similar composition ink; Rabbit: Mild irritant: A primary irritation index = 1.1 (FSHA: US 16CFR 1500.41, According to the Draize classification scheme)									
Sensitisation:	No dat	ta available									
Mutagenicity:	No dat	ra available (Black / Slightly yellow): Data of similar composition ink; Negative (Ames test: test strains: S. typhimurium)									
Reproductive Toxicity:	No dat	a available									



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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

UN Packing Group:

None

Special Precautions:

None



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SECTION 15 REGULATORY INFORMATION

EU Information:									
Information on the l	Label:								
Symbol & Indication:	Not required								
R-Phrase:	Not required								
S-Phrase:	Not Required								
Dangerous Compo	onent(s):								
	None								
Specific Provision	s in Relation to Protection	of Man or the Environment:							
76/769/EEC:	Not regulated								
(EC)3093/94:	Not regulated								
(EEC)2455/92:	Not regulated								
Others:	None								
USA Information:									
Information on the l	Label:								
Signal Word:	Not required								
Hazard warning:	Not required								
Safety Advice:	Not required								
Hazardous Component(s):	None								
SARA Title III §313 Chemical Nar		Weight %							
None									
California Propositio Chemical Nar		Weight							
None									



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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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