

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

Product Name: CANON BJ CARTRIDGE BC-40 BK (FOR COLOR BUBBLE JET COPIER)

Product Code: F45-0141 / F45-0481 CLC10

Company Name: Canon Inc. **Distributor: Canon Australia Pty Ltd**

Address: 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146, Japan **1 Thomas Holt Drive,
North Ryde NSW 2113**

Phone #: 03-3758-2111 **Ph: 02 9805 2000**

MSDS #: IC0071-0104

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)

| Chemical Name | CAS # | Weight % | EU Symbol | EU R-Phrase |
|---------------|---------|----------|-----------|-------------|
| Glycerin | 56-81-5 | 4-9 | None | None |

| | | | | |
|-------------------|---------|-----|------------------------|------------------------|
| Isopropyl alcohol | 67-63-0 | 2-5 | No concern with health | No concern with health |
|-------------------|---------|-----|------------------------|------------------------|

| Chemical Name | USA OSHA PEL | ACGIH TLV |
|---------------|---|--|
| Glycerin | (as mist) Total dust TWA= 15 mg/m ³ Respirable fraction TWA= 5 mg/m ³ | (as mist) Total dust TWA= 10 mg/m ³ |

| | | |
|-------------------|---------------------------------------|--|
| Isopropyl alcohol | TWA= 400 ppm 980 mg/m ³ | TWA= 400 ppm, 983 mg/m ³ STEL= 500 ppm, 1230 mg/m ³ |
|-------------------|---------------------------------------|--|

| Chemical Name | EU ILV | DFG MAK |
|---------------|--------|---------|
| Glycerin | None | None |

| | | |
|-------------------|------|-------------------------------------|
| Isopropyl alcohol | None | MAK= 400 ppm, 980 mg/m ³ |
|-------------------|------|-------------------------------------|

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS - Continued

Carcinogen

| Chemical Name | CAS # | Reference |
|---------------|-------|-----------|
| None | | |

Other Ingredient(s)

| Chemical/Generic Name | Weight % |
|--------------------------------|----------|
| Water | 65-83 |
| Water-soluble organic compound | 4-9 |
| Water-soluble organic solvent | 4-9 |

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: A Black color ink cartridge.
 The ink is liquid mixture with slight odor.

STATEMENT OF HAZARDOUS NATURE: Not classified as hazardous according to the criteria on Worksafe Australia.

Potential Health Effects and Symptoms:

Inhalation: No effects are expected under intended use.
 Over exposed to Isopropyl alcohol may cause headache, nausea, dizziness, etc..

Ingestion: May be harmful if swallowed.
 Ingestion of Isopropyl alcohol may cause headache, nausea, dizziness etc., like other organic solvent.

Eye: May cause slight irritation.

Skin: May cause slight irritation.

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 person breathes in large amounts or if symptoms occur, move the exposed person to fresh air.
 Get medical attention.

Ingestion: Give one or two glasses of water, obtain medical attention immediately.

Eye: Flush with plenty of water.
 If irritation persists, get medical attention.

Skin: Wash with water and soap.
 If irritation persists, get medical attention.

Note to Physicians: None

SECTION 5 FIRE FIGHTING MEASURES

Fire Fighting Measures:

Extinguishing Media: CO₂, Water or dry chemicals.

Unsuitable Extinguishing Media: None

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Fire and Explosive Properties:

Flash Point(°C): No data available

Flammable(Explosive) Limits: No data available

Autoignition Temperature(°C): No data available

Flammability: Classified as combustible liquid under OSHA-HCS(USA) and non-flammable under 88/379/EEC(EU)

SECTION 5 FIRE FIGHTING MEASURES - Continued

Fire and Explosive Properties - Continued:

Autoflammability: None

Explosive Properties: None

Oxidizing Properties: None

Hazardous Combustion Products: CO, CO₂, NO_x and SO_x

Other Properties: None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes and skin.

Environmental Precautions: Recommended to keep away from drains, surface- and ground-water.

Method for Cleaning Up: Wipe off with wet cloth or paper.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact with hands, eyes, and clothing and when contact, wash out immediately.

Storage: Keep out of the reach of children.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Not established.
 See SECTION 2

Engineering Controls: Use ventilation to keep airborne concentrations below the exposure limit.(See SECTION 2)

Personal Protection Equipment(s):

Respiratory Protection: Required Not Required

Eye/Face Protection: Required Not Required

Skin Protection: Required Not Required

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Appearance: | Black ink |
| Odor: | Slight odor |
| pH: | 6-10 |
| Boiling Point/Range(°C): | No data available |
| Melting Point/Range(°C): | No data available |
| Decomposition Temperature(°C): | No data available |
| Flash Point(°C): | No data available |
| Flammable (Explosive) Limits: | No data available |
| Autoignition Temperature(°C): | No data available |
| Flammability: | Classified as combustible liquid under OSHA-HCS(USA) and non-flammable under 88/379/EEC(EU) |
| Autoflammability: | None |
| Explosive Properties: | None |
| Oxidizing Properties: | None |
| Vapor Pressure: | No data available |
| Vapor Density: | No data available |
| Density / Specific Gravity: | No data available |
| 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 |

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable Unstable

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: CO, CO₂, NO_x and SO_x

Hazardous Polymerization: May Occur Will Not Occur

Conditions to Avoid: None

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation: No data available

Ingestion: No data available

Eye: No data available

Skin: No data available

Sensitization: No data available

Mutagenicity: Negative (Test strains: s. typhimurium)

Reproductive Toxicity: No data available

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

UN Packing Group: None

Special Precautions: None

SECTION 15 REGULATORY INFORMATION

EU Information:

Information on the Label:

| | |
|-------------------------|--------------|
| Symbol & Indication: | Not required |
| R-Phrase: | Not required |
| S-Phrase: | Not required |
| Dangerous Component(s): | None |

Specific Provisions 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 Label:

| | |
|-------------------------|--------------|
| Signal Word: | Not required |
| Hazard warning: | Not required |
| Safety Advice: | Not required |
| Hazardous Component(s): | None |

SARA Title III §313:

| | |
|---------------|----------|
| Chemical Name | Weight % |
| None | |

California Proposition 65:

| | |
|---------------|----------|
| Chemical Name | Weight % |
| None | |

SECTION 16 OTHER INFORMATION

Other Information:

None

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, 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 Governmental 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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