

MATERIAL SAFETY DATA SHEET

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

Product Name: COLOR INK / PAPER SET KP-36IP, KP-72IP, KP-108IP, KP-72IN, KP-108IN, KL-36IP, KL-36IP 3PACK, KC-36IP, KW-24IP, COLOR INK / LABEL SET KC-18IL, COLOR INK / FULL-SIZED LABEL SET KC-18IF, COLOR INK CASSETTE (Trial for 5 Sheets, 4x6 in size), (Trial for 5 Sheets, L size)

Product Code: 7737A / C86-1024, 0807B / C86-1059, 9585A / C86-1046, 3114B / C86-1132, 3115B / C86-1131, 7738A / C86-1025, 0702B / C86-1055, 7739A / C86-1026, 9401A / C86-1043, 7740A / C86-1028, 7741A / C86-1027, C86-1020, C86-1022

Company Name: Canon Inc.

Address: 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

Use of the Product: Ink film for Compact Photo Printer

SECTION 2 HAZARDS IDENTIFICATION

EU Classification:
Not classified as dangerous.

Emergency Overview:
Ink film incorporated in a cartridge. Odorless.

Potential Health Effects and Symptoms:

Inhalation:
No adverse effects are expected under intended use.

Ingestion:
There are no data that show adverse effect. (See SECTION 11)

Eye:
Not known

Skin:
No irritation is expected. (See SECTION 11)

Chronic Effects:
Not known

Medical Conditions Generally known to be Aggravated by Exposure:
Not known

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SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

< Ingredient(s) >

| Chemical Name / Generic Name | CAS # / EC # | Weight % | EU Symbol/ R-Phrase | USA OSHA PEL | ACGIH TLV | EU ILV | DFG MAK |
|---------------------------------|-----------------|-------------|------------------------|-----------------|-----------------|-----------------|-----------------|
| <Ingredients of Ink film> | | | | | | | |
| Quinophthalone dye | Confidential | 10 - 15 | None / R53 | Not established | Not established | Not established | Not established |
| Azo methine dye | Confidential | 1 - 5 | N / R50/53 | Not established | Not established | Not established | Not established |
| Indoanyline dye | Confidential | 5 - 10 | None / R53 | 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.

< PBT substance and vPvB substance >

No component of this ink is a PBT or vPvB substance under Regulation (EC)1907/2006.

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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 with plenty of water.

If irritation or discomfort occurs, obtain medical advice immediately.

Eye:

Do not rub eyes. Immediately flush with large amount of clean, warm water(low pressure) for at least 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, CO₂, NOx and SOx

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:

Vacuum or sweep up materials.

SECTION 7 HANDLING AND STORAGE

Handling:

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 away from heat and flame.

Keep out of the reach of children.

Specific Uses:

Ink film for Compact Photo Printer

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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Not established for this ink. (See also SECTION 3)

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 CHEMICAL PROPERTIES

Appearance: Polyethylene terephthalate film coated with four color inks.

Odor: Odorless

pH: Not available

Boiling Point/Range(°C): Not available

Melting Point/Range(°C): Not available

Decomposition Temperature(°C): Not available

Flash Point(°C): Not available

Flammable (Explosive) Limits: Not available

Autoignition Temperature(°C): Not available

Flammability: Not available

Explosive Properties: Not available

Oxidizing Properties: Not available

Vapor Pressure : Not available

Vapor Density : Not available

Density / Specific Gravity: Not available

Water Solubility : Insoluble

Fat Solubility : Not available

Partition Coefficient (n-Octanol/Water): Not available

Percent Volatile (%): Not available

Evaporation Rate: Not available

Viscosity (mPa s): Not 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

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SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation:

Not available

Ingestion:

LD₅₀ > 2000 mg/kg (rat)

OECD Guidelines No.401 (1987), 92/69/EEC Method B1

Eye:

Not available

Skin:

Non-irritant (rabbit)

OECD Guidelines No.404 (1992), 92/69/EEC Method B4

Sensitization:

Not available

Mutagenicity:

Negative (*S. typhimurium* & *E. Coli*)

Reproductive Toxicity:

Not available

Carcinogenicity:

Not available

Others:

Not available

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SECTION 12 ECOLOGICAL INFORMATION

Mobility: Not available

Persistence / Degradability: Not available

Bioaccumulation: Not available

Ecotoxicity: Azo methine dye:
 Alga, Growth inhibition test: 72h LC₅₀ 0.25mg/l
 OECD Guidelines No.201 (1984), 92/69/EEC Method C.3
 Cyan, Magenta, Yellow and Over Protect Part:
 Freshwater Alga and Cyanobacteria, Growth inhibition test: No toxic effects at saturation
 OECD Guidelines No.201 (2006), 92/69/EEC Method C.3

Other Adverse Effects: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Method of Disposal:
Disposal should 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

Marine Pollutant: Yes No **Chemical name (wt%):**

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):
Not required

Special Precautions under 1999/45/EC Annex V:
Not required

Specific Provisions in Relation to Protection of Man or the Environment:

76/769/EEC: Not regulated

(EC)2037/2000: Not regulated

(EC)689/2008: Not regulated

Others: None

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< USA Information >

Information on the Label under FHSA:**Signal Word:** Not required**Hazard warning:**
Not required**Safety Advice:**
Not required**Hazardous Component(s):**
Not required**SARA Title III §313:**

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

California Proposition 65:

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

< Canada Information >

WHMIS Controlled Product: Not applicable (Manufactured article)

< Australia Information >

Statement of Hazardous Nature: Not classified as hazardous according to criteria of NOHSC.

SECTION 16 OTHER INFORMATION

<R phrase list>

R53: May cause long-term adverse effects in the aquatic environment.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Literature References:

- 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)689/2008, (EC)1907/2006
- 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, 2000/39/EC and 2006/15/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.
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative

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