

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

Product Name: Canon FX1 Cartridge

Product Code: H11-6221

Company Name: Canon Inc.

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

|          |              |              |                         |
|----------|--------------|--------------|-------------------------|
| Phone #: | 03-3758-2111 | Distributor: | Canon Australia Pty Ltd |
| MSDS #:  | TC0277-0303  |              | 1 Thomas Holt Drive     |
|          |              |              | North Ryde N.S.W 2113   |
|          |              |              | Phone (02) 9805-2000    |

**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

**Hazardous Ingredient(s)**

| Chemical Name | CAS # | Weight % | EU Symbol | EU R-Phrase |
|---------------|-------|----------|-----------|-------------|
| None          |       |          |           |             |

**STATEMENT OF HAZARDOUS NATURE:** Not classified as hazardous according to the criteria of Worksafe Australia

| Chemical Name | USA OSHA PEL | ACGIH TLV |
|---------------|--------------|-----------|
| None          |              |           |

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

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**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS - Continued**

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**Carcinogen**

| Chemical Name | CAS # | Reference |
|---------------|-------|-----------|
|---------------|-------|-----------|

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

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**Other Ingredient(s)**

| Chemical/Generic Name | Weight % |
|-----------------------|----------|
|-----------------------|----------|

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|                             |       |
|-----------------------------|-------|
| Styrene acrylate copolymer  | 55-65 |
| Iron oxide(CAS#: 1317-61-9) | 30-40 |

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**SECTION 3 HAZARDS IDENTIFICATION**

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**Emergency Overview:** Black fine powder, slight plastic odor.

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**Potential Health Effects and Symptoms:**

**Inhalation:** Exposure to excessive amounts of dust may cause physical irritation to respiratory tract.

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**Ingestion:** Practically non-toxic based on animal testing. Ingestion is a minor route of entry for intended use of this product.

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**Eye:** May cause transient slight irritation.

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**Skin:** May be non irritant.

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**Chronic Effects:** Prolonged inhalation of excessive amounts of dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.

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**Medical Conditions Generally known to be Aggravated by Exposure:**  
Not determined.

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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. Drink 1 or 2 glasses of water. If irritation or discomfort occurs, obtain medical advice immediately.

**Eye:** Do not allow victim to rub eye(s). Flush with lukewarm, gently flowing water for 5 minutes or until particle is removed. If irritation persists, obtain medical attention.

**Skin:** Wash with soap and water. If irritation persists, obtain medical advice.

**Note to Physicians:** None

**SECTION 5 FIRE FIGHTING MEASURES**

**Fire Fighting Measures:**

**Extinguishing Media:** CO2, water, dry chemicals

**Unsuitable Extinguishing Media:** None

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** Can form explosive dust-air mixtures when finely dispersed in air.

**Fire and Explosive Properties:**

**Flash Point(°C):** Not applicable

**Flammable(Explosive) Limits:** Not applicable

**Autoignition Temperature(°C):** Not available

**Flammability:** Not-flammable (Test method: Directive 92/69/EEC, A10 Flammability (Solids))

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**SECTION 5 FIRE FIGHTING MEASURES - Continued**

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**Fire and Explosive Properties - Continued:**

|                                |  |
|--------------------------------|--|
| Autoflammability:              | Not applicable   |
| Explosive Properties:          | Can form explosive dust-air mixtures when finely dispersed in air. |
| Oxidizing Properties:          | Not available  |
| Hazardous Combustion Products: | CO <sub>2</sub> , CO   |
| Other Properties:              | Not available  |

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Personal Precautions: Avoid breathing dust.

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Environmental Precautions: Do not wash away into sewer.

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Method for Cleaning Up: Sweep slowly spilled powder on to paper, and carefully transfer into a waste container. Clean remainder with wet paper, wet cloth or a vacuum cleaner. If a vacuum cleaner is used, it must rate as a dust explosion-proof type. Fine powder can form explosive dust-air mixtures.

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**SECTION 7 HANDLING AND STORAGE**

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Handling: Avoid breathing dust.  
Use with adequate ventilation.

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Storage: Keep out of the reach of children.  
Keep away from oxidizing materials.

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**SECTION 10 STABILITY AND REACTIVITY**

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Stability:  Stable  Unstable  
Conditions to Avoid: None  
Materials to Avoid: Strong oxidizers  
Hazardous Decomposition Products: CO, CO<sub>2</sub>  
Hazardous Polymerization:  May Occur  Will Not Occur  
Conditions to Avoid: None

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**Acute Toxicity:**

Inhalation: Not available

Ingestion: Rat, LD<sub>50</sub> > 5000mg/kg

Eye: Rabbit, transient slight conjunctival irritation only was seen.

Skin: Rabbit, non irritant.

Sensitization: Not available

Mutagenicity: Ames Test (Salmonella typhimurium): Negative

Reproductive Toxicity: Not available

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**SECTION 11 TOXICOLOGICAL INFORMATION - Continued**

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**Carcinogenicity:** Not available**Others:****Chronic effects:**

Muhle et al. reported pulmonary response upon chronic inhalation exposure in rats to a toner enriched in respirable-sized particles compared to commercial toner. No pulmonary change was found at 1 mg/m<sup>3</sup> which is most relevant to potential human exposure. A minimal to mild degree of fibrosis was noted in 22% of the animals at 4 mg/m<sup>3</sup>, and a mild to moderate degree of fibrosis was observed in 92% of the animals at 16 mg/m<sup>3</sup>. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lung for a prolonged interval.

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Mobility:** Not available**Persistence /  
Degradability:** Not available**Bioaccumulation:** Not available**Ecotoxicity:** Not available**Other Adverse  
Effects:** Not available

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**SECTION 13 DISPOSAL CONSIDERATION**

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**Method of Disposal:** DO NOT put toner or toner cartridge into fire ; heated toner may cause severe burns . DO NOT shred a toner cartridge , unless dust-explosion preventing measures are taken. Finely dispersed particles form explosive mixtures in air. Disposal should be subject to federal, state or local laws.

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**SECTION 14 TRANSPORT INFORMATION**

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**UN #:** 2807**UN Shipping Name:** Magnetized material**UN Classification:** 9**UN Packing Group:** None**Special Precautions:** 9 or more of these cartridges shipped together, by air, are regulated as magnetized material.

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**SECTION 15 REGULATORY INFORMATION**

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**EU Information:****Information on the Label:**

Symbol &amp; Not required

Indication:

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 NameWeight %

None

**California Proposition 65:**Chemical NameWeight %

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
- EU Regulation (EC)3093/94, (EEC)2455/92

**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).
- "OSHA HCS" stands for Occupational Safety and Health Act, Hazard Communication Standard.
- "FHSA" stands for Federal Hazardous Substances Act.

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