

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

<b>Product Name:</b>	Canon FX6 Cartridge
<b>Product Code:</b>	1559A / H11-6431
<b>Manufacturer:</b>	Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan. Ph# 03-3758-2111
<b>Supplier:</b>	Canon USA, Inc., One Canon Plaza, Lake Success, NY, 11042, USA
<b>Phone # :</b>	1-800-OK-CANON 24 Hr. Emergency CHEMTREC # 1-800-424-9300

### SECTION 2 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
Styrene acrylate copolymer	confidential	40-50	None/ None	Not established	Not established	Not established	Not established
Iron oxide	1317-61-9/ 215-277-5	40-50	None/ None	Not established	Not established	Not established	Not established
Amorphous Silica	7631-86-9/ 231-545-4	1-2	None/ None	20 mppcf, 80(mg/m <sup>3</sup> )/% SiO <sub>2</sub>	10 mg/m <sup>3</sup> (TWA)	Not established	4 mg/m <sup>3</sup> (Inhalable fraction)

#### < Carcinogen >

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

### SECTION 3 HAZARDS IDENTIFICATION

#### EU Classification:

Not classified as dangerous.

#### Emergency Overview:

Black fine powder, slight plastic odor.

#### Potential Health Effects and Symptoms:

##### Inhalation:

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

##### Ingestion:

Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.

##### Eye:

May cause transient slight irritation.

##### Skin:

May be non-irritant.

##### 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.

#### Medical Conditions Generally known to be Aggravated by Exposure:

Not determined

### 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 (See also Section 9):

##### Hazardous Combustion Products:

CO2, CO

##### Other Properties:

Not available

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### Personal Precautions:

Avoid breathing dust.

#### Environmental Precautions:

Do not wash away into sewer.

#### 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.

### SECTION 7 HANDLING AND STORAGE

#### Handling:

Avoid breathing dust.

Use with adequate ventilation.

#### Storage:

Keep out of the reach of children.

Keep away from oxidizing materials.

#### Specific Uses:

Toner for electrophotographic apparatus.

For more information, please refer to the instruction of this product.

### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Guidelines:

USA OSHA PEL (TWA): 15 mg/m<sup>3</sup> (Total dust), 5 mg/m<sup>3</sup> (Respirable fraction)  
ACGIH TLV (TWA): 10 mg/m<sup>3</sup> (Inhalable fraction), 3 mg/m<sup>3</sup> (Respirable fraction)  
DFG (MAK): 4 mg/m<sup>3</sup> (Inhalable fraction), 1.5 mg/m<sup>3</sup> (Respirable fraction)  
(Also refer to SECTION 2)

#### 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

<b>Appearance:</b>	Black fine powder
<b>Odor:</b>	Slight plastic odor
<b>pH:</b>	Not applicable
<b>Boiling Point/Range(°C):</b>	Not applicable
<b>Melting Point/Range(°C):</b>	100 - 150 (Softening point)
<b>Decomposition Temperature(°C):</b>	> 200
<b>Flash Point(°C):</b>	Not applicable
<b>Flammable (Explosive) Limits:</b>	Not applicable
<b>Autoignition Temperature(°C):</b>	Not available
<b>Flammability:</b>	Not-flammable (Test method: Directive 92/69/EEC, A10 Flammability (Solids))
<b>Explosive Properties:</b>	Can form explosive dust-air mixtures when finely dispersed in air.
<b>Oxidizing Properties:</b>	Not available
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density:</b>	Not applicable
<b>Density / Specific Gravity:</b>	1.4 - 1.8
<b>Water Solubility:</b>	Negligible
<b>Fat Solubility:</b>	Partially soluble in toluene and xylene.
<b>Partition Coefficient (n-Octanol/Water):</b>	Not applicable
<b>Percent Volatile:</b>	Negligible
<b>Evaporation Rate:</b>	Not applicable
<b>Viscosity (mPa s):</b>	Not applicable

### SECTION 10 STABILITY AND REACTIVITY

**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

### SECTION 11 TOXICOLOGICAL INFORMATION

#### Acute Toxicity:

##### Inhalation:

Not available

##### Ingestion:

Estimate: Rat, LD<sub>50</sub> > 2000 mg/kg (See Section 16)

##### Eye:

Estimate: Rabbit, transient slight conjunctival irritation only. (See Section 16)

##### Skin:

Estimate: Rabbit, non-irritant (See Section 16)

#### Sensitization:

Estimate: Guinea pig, skin: Non-sensitizing (See Section 16)

#### Mutagenicity:

Estimate: Ames Test (S. typhimurium, E. coli): Negative (See Section 16)

#### Reproductive Toxicity:

Not available

#### 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.

### SECTION 12 ECOLOGICAL INFORMATION

<b>Mobility:</b>	Not available
<b>Persistence / Degradability:</b>	Not available
<b>Bioaccumulation:</b>	Not available
<b>Ecotoxicity:</b>	Not available
<b>Other Adverse Effects:</b>	Not available

### SECTION 13 DISPOSAL CONSIDERATION

#### Method of Disposal:

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

### SECTION 14 TRANSPORT INFORMATION

<b>UN #:</b>	2807
<b>UN Shipping Name:</b>	Magnetized material
<b>UN Classification:</b>	9
<b>UN Packing Group:</b>	None
<b>Marine Pollutant:</b>	<input type="checkbox"/> Yes    Chemical name (wt%): <input checked="" type="checkbox"/> No
<b>Special Precautions:</b>	10 or more of these products shipped together, by air, are regulated as magnetized material.

### SECTION 15 REGULATORY INFORMATION

#### < EU Information >

##### Information on the Label:

<b>Symbol &amp; Indication:</b>	Not required
<b>R-Phrase:</b>	Not required
<b>S-Phrase:</b>	Not required
<b>Dangerous Component(s):</b>	None
<b>Special Precautions under 1999/45/EC Annex V:</b>	Not required

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

<b>76/769/EEC:</b>	Not regulated
<b>(EC)2037/2000:</b>	Not regulated
<b>(EC)304/2003:</b>	Not regulated
<b>Others:</b>	None

#### < USA Information >

##### Information on the Label:

<b>Signal Word:</b>	Not required
<b>Hazard warning:</b>	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

**< 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**

Estimate: Estimate based on test data on similar toner/developer/drum and/or the raw materials on this product.

**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, 1999/45/EC
- EU Regulation (EC)2037/2000, (EC)304/2003
- 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 and 2000/39/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.

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