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

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Product Name: Canon FP250 Toner Cartridge Black

Product Code: M95-0581-000

Manufacturer: Canon Inc., 30-2,Shimomaruko 3-Chome,Ohta-ku,Tokyo 146-8501,Japan

Supplier: Canon USA, Inc. One Canon Plaza,Lake Success, NY, 11042, USA

Phone #: 1-800-OK-CANON 24 Hr. Emergency CHEMTREC #1-800-424-9300

MSDS #: TC0290-0103

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**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

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## Hazardous Ingredient(s)

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

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Chemical Name	USA OSHA PEL	ACGIH TLV
None		

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Chemical Name	EU ILV	DFG MAK
None		

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

**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.

**Other Ingredient(s)**

Chemical/Generic Name	Weight %
Styrene acrylate copolymer	40 - 50
Iron oxide (CAS No. 1317-61-9)	40 - 50

**SECTION 3 HAZARDS IDENTIFICATION**

**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.

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**SECTION 4 FIRST AID MEASURES**

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## 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
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**SECTION 5 FIRE FIGHTING MEASURES**

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## Fire Fighting Measures:

- Extinguishing Media: CO<sub>2</sub>, 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.
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## 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.

Environmental Precautions: Do not wash away into sewer.

Method for Cleaning Up: Slowly sweep 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.Storage: Keep out of the reach of children.  
Keep away from oxidizing materials.



**SECTION 10 STABILITY AND REACTIVITY**

Stability:  Stable  Unstable  
 Conditions to Avoid: None

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Materials to Avoid: Strong oxidizers

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Hazardous Decomposition Products: CO, CO<sub>2</sub>

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Hazardous Polymerization:  May Occur  Will Not Occur  
 Conditions to Avoid: None

**SECTION 11 TOXICOLOGICAL INFORMATION**

Acute Toxicity:  
 Inhalation: Estimate: Rat, LC50: > 5mg/L/4hr

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Ingestion: Estimate : Rat, LD50 > 2000mg/kg

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Eye: Estimate : Rabbit, transient slight conjunctival irritation only.

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Skin: Estimate : Rabbit, non irritant.

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Sensitization: Not available

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Mutagenicity: Estimate : Ames Test (Salmonella typhimurium) : Negative

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Reproductive Toxicity: Not available

**SECTION 11 TOXICOLOGICAL INFORMATION - Continued**

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/m3 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/m3, and a mild to moderate degree of fibrosis was observed in 92% of the animals at 16 mg/m3. 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**

Mobility: Not available

Persistence / Degradability: Not available

Bioaccumulation: Not available

Ecotoxicity: Not available

Other Adverse Effects: Not available

**SECTION 13 DISPOSAL CONSIDERATION**

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.

**SECTION 14 TRANSPORT INFORMATION**

UN #: 2807  
UN Shipping Name: Magnetized material  
UN Classification: 9  
UN Packing Group: None  
Special Precautions: 73 or more of these cartridges shipped together, by air are regulated as UN2807.

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)2037/2000: 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
- EU Regulation (EC)2037/2000, (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 and 2000/39/EC.
- "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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