### SECTION 1: Product and company identification

**Product identifier**

- **Product name**: Canon Cartridge 119 II (for Laser Beam Printer)
- **Product code(s)**: 3480B001
- **Use**: Toner for electrophotographic machines

**Details of the supplier of the safety data sheet**

- **Supplier**
  - Canon USA, Inc.
  - One Canon Park, Melville, NY 11747, USA
  - Phone number: 1-800-OK-CANON
  - Emergency phone number: 24 Hr. Emergency CHEMTREC # 1-800-424-9300

- **Canon Canada Inc.**
  - 8000 Mississauga Road, Brampton, Ontario L6Y 5Z7, Canada
  - Phone number: (1) 905-863-8000
  - Emergency phone number: 24 Hr. Emergency CHEMTREC # 1-800-424-9300

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

### SECTION 2: Hazards identification

**Emergency overview**

Black fine powder, slight plastic odor.

**Classification under OSHA HCS**

Not classified

**US Label elements under OSHA HCS**

- **Symbol**: Not required
- **Signal word**: Not required

**Hazard statements**

Not required

**Precautionary statements**

Not required

**Other information**

None

**Other hazards which do not result in classification**

None
SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene acrylate copolymer</td>
<td>CBI</td>
<td>45 - 55</td>
</tr>
<tr>
<td>Ferrite including zinc</td>
<td>CBI</td>
<td>40 - 50 (as Zn:0-0.7)</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>7631-86-9</td>
<td>1 - 3</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

Description of first aid measures

Inhalation
Move to fresh air. Get medical attention immediately if symptoms occur.

Ingestion
Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur.

Skin contact
Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.

Eye contact
Flush with plenty of water. Get medical attention immediately if symptoms occur.

Most important symptoms and effects, both acute and delayed

Inhalation
None under normal use. Exposure to excessive amounts of dust may cause physical irritation to respiratory tract.

Ingestion
None under normal use.

Skin contact
None under normal use.

Eye contact
None under normal use. May cause slight irritation.

Chronic effects
None under normal use. Prolonged inhalation of excessive amounts of dust may cause lung damage.

Indication of any immediate medical attention and special treatment needed
None

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media
Use CO₂, water, dry chemical, or foam.

Unsuitable extinguishing media
None

Special hazards arising from the substance or mixture

Special hazard
May form explosive mixtures with air.

Hazardous combustion products
Carbon dioxide (CO₂), Carbon monoxide (CO)

Advice for firefighters
Special protective equipment for firefighters
None

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid breathing dust. Avoid contact with skin, eyes and clothing.

Environmental precautions
Keep out of waterways.

Methods and material for containment and cleaning up
Clean up promptly by scoop or vacuum. If a vacuum cleaner is used, be sure to use a model with dust explosion safety measures. May form explosive mixtures with air.

Other information
None

SECTION 7: Handling and storage

Precautions for safe handling
Avoid breathing dust. Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities
Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Incompatible with oxidizing agents.

SECTION 8: Exposure controls/personal protection

Exposure guidelines

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica</td>
<td>TWA: 20 mppcf</td>
<td>None</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>(80)/(% SiO2) mg/m³ TWA</td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls
None under normal use conditions.

Individual protection measures, such as personal protective equipment
- Eye/face protection: Not required under normal use.
- Skin protection: Not required under normal use.
- Respiratory protection: Not required under normal use.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties
- Appearance: Black; powder
- Odor: Slight odor
- Odor threshold: No data available
- pH: Not applicable
- Melting/freezing point (°C): 100 - 150 (Softening point)
- Boiling point/range (°C): Not applicable
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable; estimated</td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.4 - 1.8</td>
</tr>
<tr>
<td>Solubility (ies)</td>
<td>Organic solvent; partly soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature (°C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature (°C)</td>
<td>&gt; 200</td>
</tr>
<tr>
<td>Viscosity (mPa s)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

**Reactivity**
None

**Chemical stability**
Stable

**Possibility of hazardous reactions**
None

**Conditions to avoid**
None

**Incompatible materials**
Acids, Bases, Oxidizing agents, Reducing agents.

**Hazardous decomposition products**
Carbon dioxide (CO₂), Carbon monoxide (CO)

**SECTION 11: Toxicological information**

**Information on toxicological effects**

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Estimate: LD50 &gt; 2000 mg/kg (Ingestion)</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Estimate: Non-irritant</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Estimate: Transient slight conjunctival irritation only.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>Estimate: Non-sensitizing</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Ames Test (S. typhimurium, E. coli): Negative</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Reproductive toxicity  No data available
STOT - single exposure  No data available
STOT - repeated exposure  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$^3$ 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$^3$, and a mild to moderate degree of fibrosis was observed in 92% of the animals at 16 mg/m$^3$. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lung for a prolonged interval.

Aspiration hazard  No data available
Other information  No data available

### SECTION 12: Ecological information

**Toxicity**

**Ecotoxicity effects**
Estimate: Fish, 96h LL50 > 1000 mg/l (WAF)
Estimate: Crustaceans, 48h EL50 > 1000 mg/l (WAF)
Estimate: Algae, ErL50(0-72h) > 1000 mg/l (WAF)

**Persistence and degradability**
No data available

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**Other adverse effects**
No data available

### SECTION 13: Disposal considerations

**Waste treatment methods**
DO NOT put toner or a toner container into fire. Heated toner may cause severe burns. DO NOT dispose of a toner container in a plastic crusher. Use a facility with dust explosion prevention measures. Finely dispersed particles form explosive mixtures with air. Dispose of in accordance with local regulations.

### SECTION 14: Transport information

**UN number**  None

**UN proper shipping name**  None

**Transport hazard class**  None
SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

- TSCA Sec. 4,5,6,7,8,12b: None
- SARA Title III Sec. 313: "Zinc compounds": 40 - 50 Weight % (as Zn : 0 - 0.3 Weight %)
- California Proposition 65: None
- CEPA Sec. 81: None (Manufactured Item)
- HPA (WHMIS): None (Manufactured Article)
- Other information: None

SECTION 16: Other information

Key literature references and sources for data
- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Environmental Protection Agency, 40CFR Part 700-799
- 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
- Environment and Climate Change Canada, Canadian Environmental Protection Act, 1999
- Health Canada, Hazardous Products Act, and Hazardous Products Regulations
- Canada Workplace Hazardous Materials Information System

Key or legend to abbreviations and acronyms used in the safety data sheet
- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
- FHSA: Federal Hazardous Substances Act
- 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
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- TSCA: Toxic Substances Control Act
- SARA Title III: SARA Title III of the Superfund Amendments and Reauthorization Act of 1986
- Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986
- CEPA: Canadian Environmental Protection Act, 1999
- HPA: Hazardous Products Act
- WHMIS: Workplace Hazardous Materials Information System
- CBI: Confidential Business Information

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