SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product name: Canon C-EXV 19 Black Toner

Product Code(s): 0397B002

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use: Toner for electrophotographic machines

1.3. Details of the supplier of the safety data sheet

Supplier
Importer
Canon Europa N.V.
Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands
+31 20 5458545, +31 20 5458222
www.canon-europe.com, ceu-Reach@canon-europe.com

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

1.4. Emergency Telephone Number

Austria: +43 (0) 1 406 43 43
Belgium: +32 (0) 70 245 245
Bulgaria: 112
Croatia: 112
Cyprus: 1401
Czech Republic: +420 224919293
Denmark: +45 82 12 12 12 [*1] 
Estonia: 16662
Finland: +358 (0)9 471977
France: +33 (0)1 45 42 59 59
Greece: +30 210 7794719
Hungary: +36 80 20 11 99
Italy: +39 (0)55 7947819
Latvia: +371 6704273
Lithuania: 112
Luxembourg: +370 687 53378
Malta: 112
Netherlands: +31 (0)30 2748888 [*2]
Poland: 112
Portugal: +351 808 250 143
Romania: +40 21 318 36 06
Slovakia: +421 2 5477 4166
Slovenia: 112
Spain: 112
Sweden: 112 [*3]
United Kingdom: 111 (UK only)
Iceland: 112
Liechtenstein: 145
Norway: +47 22 59 13 00
Switzerland: 145

*1 Kontakt Giftilinien på tlf.nr.: 82 12 12 12 (abent 24 timer i dagnet). Se punkt 4 om førstehjælp.
*2 Only for the purpose of informing medical personnel in cases of acute intoxications.
*3 Ask for Poison Information

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Not classified

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Not classified
2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008
Not required

Hazard pictograms
Not required

Signal word
Not required

Hazard statements
Not required

Precautionary Statements - EU (§28, 1272/2008)
Not required

Other Information
None

2.3. Other Hazards
None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>EC-No</th>
<th>REACH registration number</th>
<th>Weight %</th>
<th>Classification (67/548)</th>
<th>Indication of danger</th>
<th>Classification (Reg. 1272/2008)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester resin</td>
<td>CBI</td>
<td>CBI</td>
<td>None</td>
<td>80 - 90</td>
<td>None</td>
<td>None</td>
<td>None</td>
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<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>215-609-9</td>
<td>CBI</td>
<td>5 - 10</td>
<td>None</td>
<td>None</td>
<td>None</td>
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<tr>
<td>Amorphous silica</td>
<td>7631-86-9</td>
<td>231-545-4</td>
<td>01-2119379499-16-xxxx</td>
<td>1 - 3</td>
<td>None</td>
<td>None</td>
<td>None</td>
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<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>236-675-5</td>
<td>None</td>
<td>&lt; 1</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. 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.

4.2. 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.

4.3. Indication of any immediate medical attention and special treatment needed
None

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Unsuitable extinguishing media
None

5.2. 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)

5.3. Advice for firefighters

Special protective equipment for fire-fighters
None

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid breathing dust. Avoid contact with skin, eyes and clothing.

6.2. Environmental Precautions

Keep out of waterways.

6.3. 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.

6.4. Reference to other sections

None

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

________________________________________
EU EN  Page 3 / 8
Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Incompatible with oxidizing agents.

7.3. Specific end uses

Toner for electrophotographic machines. Obtain special instructions before use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EU OEL</th>
<th>Austria</th>
<th>Belgium</th>
<th>Bulgaria</th>
<th>Cyprus</th>
</tr>
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<tbody>
<tr>
<td>Carbon black</td>
<td>None</td>
<td>None</td>
<td>TWA: 3.5 mg/m³</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>1333-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>None</td>
<td>TWA: 4 mg/m³</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>7631-86-9</td>
<td></td>
<td>inhalable fraction</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Titanium dioxide</td>
<td>None</td>
<td>TWA: 5 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>None</td>
<td>None</td>
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<td></td>
<td>alveolar dust, respirable fraction</td>
<td>TWA: 10.0 mg/m³ respirable dust</td>
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<td></td>
</tr>
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<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Czech Republic</th>
<th>Denmark</th>
<th>Finland</th>
<th>France</th>
<th>Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>TWA: 2.0 mg/m³ dust</td>
<td>TWA: 3.5 mg/m³</td>
<td>TWA: 3.5 mg/m³ STEL: 7 mg/m³</td>
<td>TWA: 3.5 mg/m³</td>
<td>None</td>
</tr>
<tr>
<td>1333-86-4</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td>Amorphous silica</td>
<td>TWA: 4.0 mg/m³ amorphous SiO2</td>
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<td>TWA: 5 mg/m³</td>
<td>None</td>
<td>TRGS TWA: 4 mg/m³ inhalable fraction DFG TWA: 4 mg/m³ inhalable fraction</td>
</tr>
<tr>
<td>7631-86-9</td>
<td></td>
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<tr>
<td>Titanium dioxide</td>
<td>None</td>
<td>TWA: 6 mg/m³</td>
<td>None</td>
<td>TWA: 10 mg/m³</td>
<td>None</td>
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<td>13463-67-7</td>
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<table>
<thead>
<tr>
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<th>Greece</th>
<th>Hungary</th>
<th>Ireland</th>
<th>Italy</th>
<th>Netherlands</th>
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<tbody>
<tr>
<td>Carbon black</td>
<td>TWA: 3.5 mg/m³ STEL: 7 mg/m³</td>
<td>None</td>
<td>TWA: 3.5 mg/m³ STEL: 7 mg/m³</td>
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<td>None</td>
</tr>
<tr>
<td>1333-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>None</td>
<td>None</td>
<td>TWA: 6 mg/m³ total inhalable dust TWA: 2.4 mg/m³ respirable dust</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>7631-86-9</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>TWA: 10 mg/m³ inhalable fraction TWA: 5 mg/m³ respirable fraction</td>
<td>None</td>
<td>TWA: 10 mg/m³ total inhalable dust TWA: 4 mg/m³ respirable dust</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>13463-67-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Poland</th>
<th>Portugal</th>
<th>Romania</th>
<th>Slovakia</th>
<th>Spain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>TWA: 4.0 mg/m³ total inhalable dust</td>
<td>TWA: 3.5 mg/m³</td>
<td>None</td>
<td>TWA: 2 mg/m³ respirable fraction, 5% or less fibrogenic component TWA: 10 mg/m³ respirable fraction, greater than 5% fibrogenic component TWA: 10 mg/m³ total aerosol</td>
<td>TWA: 3.5 mg/m³</td>
</tr>
<tr>
<td>1333-86-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>TWA: 4.0 mg/m³ total aerosol</td>
<td>None</td>
</tr>
<tr>
<td>7631-86-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>TWA: 10 mg/m³ total inhalable dust TWA: 10 mg/m³ STEL: 30 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³ STEL: 15 mg/m³</td>
<td>None</td>
<td>TWA: 10 mg/m³</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Sweden</th>
<th>United Kingdom</th>
<th>Norway</th>
<th>Switzerland</th>
<th>Turkey</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
8.2. Exposure controls

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.

Thermal hazards
Not Applicable

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Black; powder</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Melting/Freezing point (°C)</td>
<td>85-120 (Softening point)</td>
</tr>
<tr>
<td>Boiling Point/Range (°C)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable; estimated</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></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>1.0-1.5</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>Autoignition Temperature (°C)</td>
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<tr>
<td>Decomposition Temperature (°C)</td>
<td>&gt; 200</td>
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<tr>
<td>Viscosity (mPa s)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>May form explosive mixtures with air</td>
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<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
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9.2. Other Information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

None

10.2. Chemical stability
Stable

10.3. Possibility of Hazardous Reactions
None

10.4. Conditions to Avoid
None

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

10.6. Hazardous Decomposition Products
Carbon dioxide (CO₂), Carbon monoxide (CO)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Estimate: LD50 > 2000 mg/kg (Ingestion)

Skin corrosion/irritation
Estimate: Non-irritant

Serious eye damage/eye irritation
Estimate: Transient slight conjunctival irritation only.

Sensitization
Estimate: Non-sensitizing

Germ cell mutagenicity
Ames Test (S. typhimurium, E. coli): Negative

Carcinogenicity
The IARC evaluated carbon black and titanium dioxide as Group 2B carcinogens, for which there are inadequate human evidences, but sufficient animal evidences. The latter are based upon the evidences such as development of lung tumors in rats receiving chronic inhalation exposure to powdered carbon black and titanium dioxide at levels that induce particle overload of the lung. However, there are inhalation studies of a toner containing carbon black and a toner containing titanium dioxide which demonstrated or suggested no association between toner exposure and tumor development in rats.

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/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.

Aspiration hazard
No data available

Other Information
No data available

SECTION 12: Ecological information
12.1. 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)

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. 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

14.1. UN number
None

14.2. UN Proper Shipping Name
None

14.3. Transport Hazard Class
None

14.4. Packing Group
None

14.5. Environmental Hazards
No special environmental precautions required.

14.6. Special Precautions for users
None

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

(EC) No 1907/2006 Authorisation
Not regulated

(EC) No 1907/2006 Restriction
Not regulated
15.2. Chemical safety assessment

None

SECTION 16: Other information

Key literature references and sources for data
- EU Directive 1999/45/EC

Key or legend to abbreviations and acronyms used in the safety data sheet
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- IARC: International Agency for Research on Cancer
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- CBI: Confidential Business Information

Issuing date : 28-Apr-2006
Revision date : 20-May-2015
Revision Note : Entirely revised

This safety data sheet (SDS) is supplied voluntarily.

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