

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

### 1.1. Product identifier

**Product name** Canon Cartridge 046 H Black  
**Product code(s)** 1254C004

### 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. / Canon (UK) Ltd.  
Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands  
+31 20 5458545, +31 20 5458222  
www.canon-europe.com, ceu-Reach@canon-europe.com

5 The Square, Stockley Park, Uxbridge, Middlesex, UB11 1ET United Kingdom  
+44 01895 648000

#### Manufacturer

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

### 1.4. Emergency telephone number

|                       |                                   |                       |                        |
|-----------------------|-----------------------------------|-----------------------|------------------------|
| <b>Austria</b>        | +43 (0) 1 406 43 43               | <b>Belgium</b>        | +32 (0) 70 245 245     |
| <b>Bulgaria</b>       | +359 2 9154 233                   | <b>Croatia</b>        | +385 (0)1-23-48-342    |
| <b>Cyprus</b>         | 1401                              | <b>Czech Republic</b> | +420 224919293         |
| <b>Denmark</b>        | +45 82 12 12 12 <sup>[*1]</sup>   | <b>Estonia</b>        | 16662                  |
| <b>Finland</b>        | +358 (0)9 471977                  | <b>France</b>         | +33 (0)1 45 42 59 59   |
| <b>Greece</b>         | +30 210 7793777                   | <b>Hungary</b>        | +36 80 20 11 99        |
| <b>Ireland</b>        | 353 (1) 809-2166/-2566            | <b>Italy</b>          | +39 (0)55 7947819      |
| <b>Latvia</b>         | +371 67042473                     | <b>Lithuania</b>      | +370 (85) 2362052      |
| <b>Luxembourg</b>     | (+352) 8002 5500                  | <b>Malta</b>          | 21224071               |
| <b>Netherlands</b>    | +31 (0)30-2748888 <sup>[*2]</sup> | <b>Poland</b>         | 42 25 38-421/-422/-406 |
| <b>Portugal</b>       | +351 800 250 250                  | <b>Romania</b>        | +40 21 318 36 06       |
| <b>Slovakia</b>       | +421 2 5477 4166                  | <b>Slovenia</b>       | 112                    |
| <b>Spain</b>          | +34 91 562 04 20                  | <b>Sweden</b>         | 112 <sup>[*3]</sup>    |
| <b>United Kingdom</b> | +44 121 507 4123                  | <b>Iceland</b>        | 112                    |
| <b>Liechtenstein</b>  | 145                               | <b>Norway</b>         | +47 22 59 13 00        |
| <b>Switzerland</b>    | 145                               |                       |                        |

\*1 Kontakt Giftnlinien på tf.nr.: 82 12 12 12 (åbent 24 timer i døgnet). 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

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

#### Hazard pictograms

Not required

#### Signal word

Not required

#### Hazard statements

Not required

#### Precautionary statements

Not required

#### Other information

None

## 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Chemical name              | CAS-No    | EC-No     | REACH registration number | Weight % | Classification (Regulation (EC) No 1272/2008) | SCL, M-factor, ATE | Note to other hazards |
|----------------------------|-----------|-----------|---------------------------|----------|---|--------------------|-----------------------|
| Styrene acrylate copolymer | CBI       | CBI       | None                      | 75 - 85  | None  | No data available  |                       |
| Wax                        | CBI       | CBI       | None                      | 5 - 15   | None  | No data available  |                       |
| Carbon black               | 1333-86-4 | 215-609-9 | CBI                       | < 10     | None  | No data available  |                       |
| Amorphous silica           | 7631-86-9 | 231-545-4 | 01-2119379499-16-xxxx     | < 3      | None  | No data available  |                       |

Full texts of Hazard statement(s) are listed in SECTION 16

Note to other hazards : The following substance(s) is (are) marked with (1), (2), (3) and/or (4)

- (1) Substance for which EU Occupational Exposure Limit(s) is (are) established (See SECTION 8)
- (2) PBT substance or vPvB substance under Regulation (EC) No 1907/2006
- (3) Substance listed in Candidate List of SVHC for Authorisation under Regulation (EC) No 1907/2006
- (4) Endocrine disrupting substance under Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605

## 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.

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**4.2. Most important symptoms and effects, both acute and delayed**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | None under normal use. Exposure to excessive amounts of dust may cause physical irritation to respiratory tract. |
| <b>Ingestion</b>    | None under normal use.   |
| <b>Skin contact</b> | None under normal use.   |
| <b>Eye contact</b>  | None under normal use. May cause slight irritation.  |

**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 CO<sub>2</sub>, water, dry chemical, or foam.

**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 (CO<sub>2</sub>), Carbon monoxide (CO)

**5.3. Advice for firefighters**

**Special protective equipment for firefighters**  
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

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

| Chemical name                 | EU OEL   | Austria   | Belgium  | Bulgaria   | Cyprus  |
|-------------------------------|--|---|--|--|---|
| Carbon black<br>1333-86-4     | None   | None  | TWA: 3 mg/m <sup>3</sup>   | None   | None  |
| Amorphous silica<br>7631-86-9 | None   | TWA: 4 mg/m <sup>3</sup><br>inhalable fraction  | None   | None   | None  |
| Chemical name                 | Czech Republic   | Denmark   | Finland  | France   | Germany   |
| Carbon black<br>1333-86-4     | TWA: 2.0 mg/m <sup>3</sup> dust                          | TWA: 3.5 mg/m <sup>3</sup>  | TWA: 3.5 mg/m <sup>3</sup><br>STEL: 7 mg/m <sup>3</sup>  | TWA: 3.5 mg/m <sup>3</sup>   | None  |
| Amorphous silica<br>7631-86-9 | TWA: 4.0 mg/m <sup>3</sup><br>amorphous SiO <sub>2</sub> | None  | TWA: 5 mg/m <sup>3</sup>   | None   | TRGS TWA: 4 mg/m <sup>3</sup><br>inhalable fraction<br>DFG TWA: 4 mg/m <sup>3</sup><br>inhalable fraction |
| Chemical name                 | Greece   | Hungary   | Ireland  | Italy  | Netherlands   |
| Carbon black<br>1333-86-4     | TWA: 3.5 mg/m <sup>3</sup><br>STEL: 7 mg/m <sup>3</sup>  | None  | TWA: 3 mg/m <sup>3</sup><br>inhalable fraction<br>STEL: 15 mg/m <sup>3</sup><br>inhalable fraction   | None   | None  |
| Amorphous silica<br>7631-86-9 | None   | None  | TWA: 6 mg/m <sup>3</sup> total<br>inhalable dust<br>TWA: 2.4 mg/m <sup>3</sup><br>respirable dust<br>STEL: 18 mg/m <sup>3</sup><br>respirable dust<br>STEL: 7.2 mg/m <sup>3</sup><br>respirable dust | None   | None  |
| Chemical name                 | Poland   | Portugal  | Romania  | Slovakia   | Spain   |
| Carbon black<br>1333-86-4     | TWA: 4 mg/m <sup>3</sup><br>inhalable fraction           | TWA: 3 mg/m <sup>3</sup>  | None   | TWA: 2 mg/m <sup>3</sup><br>respirable fraction, 5%<br>or less fibrogenic<br>component<br>TWA: 10 mg/m <sup>3</sup><br>respirable fraction,<br>greater than 5%<br>fibrogenic component<br>TWA: 10 mg/m <sup>3</sup> total<br>aerosol | TWA: 3.5 mg/m <sup>3</sup>  |
| Chemical name                 | Sweden   | United Kingdom  | Norway   | Switzerland  | Turkey  |
| Carbon black<br>1333-86-4     | TLV: 3 mg/m <sup>3</sup>                                 | TWA: 3.5 mg/m <sup>3</sup><br>STEL: 7 mg/m <sup>3</sup>                                     | TWA: 3.5 mg/m <sup>3</sup><br>STEL: 7 mg/m <sup>3</sup>  | None   | None  |
| Amorphous silica<br>7631-86-9 | None   | TWA: 6 mg/m <sup>3</sup><br>inhalable dust<br>TWA: 2.4 mg/m <sup>3</sup><br>respirable dust | TWA: 1.5 mg/m <sup>3</sup><br>respirable dust<br>STEL: 3 mg/m <sup>3</sup><br>respirable dust  | TWA: 4 mg/m <sup>3</sup><br>inhalable dust   | None  |

## 8.2. Exposure controls

**Appropriate engineering controls** None under normal use conditions.

**Individual protection measures, such as personal protective equipment**

|                               |                                |
|-------------------------------|--------------------------------|
| <b>Eye/face protection</b>    | Not required under normal use. |
| <b>Skin protection</b>        | Not required under normal use. |
| <b>Respiratory protection</b> | Not required under normal use. |
| <b>Thermal hazards</b>        | Not applicable                 |

## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

|  |                                 |
|--|---------------------------------|
| <b>Physical state</b>  | Powder                          |
| <b>Color</b>   | Black                           |
| <b>Odor</b>  | Slight odor                     |
| <b>Melting/freezing point (°C)</b>                                   | 80 - 130 (Softening point)      |
| <b>Boiling point or initial boiling point and boiling range (°C)</b> | Not applicable                  |
| <b>Flammability</b>  | Not flammable; estimated        |
| <b>Lower and upper explosion limit</b>                               | Not applicable                  |
| <b>Flash point (°C)</b>  | Not applicable                  |
| <b>Auto-ignition temperature (°C)</b>                                | Not applicable                  |
| <b>Decomposition temperature (°C)</b>                                | > 200                           |
| <b>pH</b>  | No data available               |
| <b>Kinematic viscosity (mm<sup>2</sup>/s)</b>                        | Not applicable                  |
| <b>Solubility</b>  | Organic solvent; partly soluble |
| <b>Partition coefficient n-octanol/water (log value)</b>             | Not applicable                  |
| <b>Vapor pressure</b>  | Not applicable                  |
| <b>Density and/or relative density</b>                               | 1.0 - 1.2                       |
| <b>Relative vapor density</b>  | Not applicable                  |
| <b>Particle characteristics</b>                                      | 1 - 10um                        |

### 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 (CO<sub>2</sub>), Carbon monoxide (CO)

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|  |   |
|--|---|
| <b>Acute toxicity</b>                    | LD50 > 2000 mg/kg (Ingestion)   |
| <b>Skin corrosion/irritation</b>         | Non-irritant  |
| <b>Serious eye damage/eye irritation</b> | Transient slight conjunctival irritation only.  |
| <b>Sensitization</b>                     | Non-sensitizing   |
| <b>Germ cell mutagenicity</b>            | Ames Test (S. typhimurium, E. coli): Negative   |
| <b>Carcinogenicity</b>                   | The IARC evaluated carbon black as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposure to powdered carbon black at levels that induce particle overload of the lung.<br>However, there is a two-year inhalation study of a toner containing carbon black which demonstrated no association between toner exposure and tumor development in rats.   |
| <b>Reproductive toxicity</b>             | No data available   |
| <b>STOT - single exposure</b>            | No data available   |
| <b>STOT - repeated exposure</b>          | 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. |
| <b>Aspiration hazard</b>                 | No data available   |

### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity effects

Fish, 96h LL50 > 100 mg/l (WAF)  
Crustaceans, 48h EL50 > 100 mg/l (WAF)  
Algae, ErL50(0-72h) > 100 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. Endocrine disrupting properties**

No data available

#### **12.7. 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**

|   |  |
|---|--|
| <b><u>14.1. UN number or ID number</u></b>                                  | None   |
| <b><u>14.2. UN proper shipping name</u></b>                                 | None   |
| <b><u>14.3. Transport hazard class</u></b>                                  | None   |
| <b><u>14.4. Packing group</u></b>   | None   |
| <b><u>14.5. Environmental hazards</u></b>                                   | Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code. |
| <b><u>14.6. Special precautions for users</u></b>                           | IATA: Not regulated  |
| <b><u>14.7. Maritime transport in bulk according to IMO instruments</u></b> | 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 |
| (EC) No 1005/2009               | Not regulated |
| (EU) 2019/1021                  | Not regulated |
| (EU) No 649/2012                | Not regulated |
| Other information               | None          |

#### **15.2. Chemical safety assessment**

None

### **SECTION 16: Other information**

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The data in SECTION 9, 11 and 12 of this SDS are based on the test results of this product, or estimates based on the data of similar product or the ingredients of this product.

**Key literature references and sources for data**

- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EU) 2019/1021, (EU) No 649/2012

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- SCL: Specific Concentration Limit
- M-factor: Multiplication factor
- ATE: Acute Toxicity Estimate
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- EU OEL: Occupational exposure limits at Union level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164 and (EU) 2019/1831.
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- CBI: Confidential Business Information

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Revision note None

**This safety data sheet (SDS) is supplied voluntarily.**

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