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

**Product name** Canon Cartridge 046 Cyan  
**Product Code(s)** 1249C003  
**Use** Toner for electrophotographic machines

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

Canon Australia Pty Ltd  
Building A, The Park Estate, 5 Talavera Road, Macquarie Park, NSW 2113, Australia  
Email : qse@canon.com.au  
Phone number : (61) 2-9805-2000  
Emergency phone number : 13 11 26 (Within Australia)

Canon New Zealand Limited  
28 The Warehouse Way, Akoranga Business Park, Northcote, Auckland, 0627, New Zealand  
Email : qse@canon.com.au  
Phone number : 0800 222 666 (Within New Zealand)  
Emergency phone number : 0800 764 766 or 0800 POISON (Within New Zealand)

Canon Singapore Pte. Ltd.  
1 Fusionopolis Place, #15-10 Galaxis, Singapore 138522  
Email : cspl\_msds@canon.com.sg  
Phone number : (65) 6799-8888

Canon India Pvt. Ltd.  
7th Floor, Tower B, DLF Epitome, DLF Phase-3, Gurgaon-122002 Haryana, India  
Phone number : (91) 124-416-0000  
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Canon (China) Co. Ltd  
2F., Jinbao Building No.89 Jinbao Street, Dongcheng District, Beijing, 100005, P.R.China

Canon Korea Business Solutions INC.  
607 Teheran-ro, Gangnam-gu, Korea  
Email : webmaster@canon-bs.co.kr  
Phone number : (82) 1588-2500

**Manufacturer**

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

**SECTION 2: Hazards identification****Classification of the substance or mixture**

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

**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

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

None

**SECTION 3: Composition/information on ingredients**

**Mixtures**

| Chemical name              | CAS-No    | EC-No     | Weight % | Classification (Reg. 1272/2008) | Note to Other Hazards |
|----------------------------|-----------|-----------|----------|---------------------------------|-----------------------|
| Styrene acrylate copolymer | CBI       | CBI       | 75 - 85  | None                            |                       |
| Wax                        | CBI       | CBI       | 5 - 10   | None                            |                       |
| Pigment                    | CBI       | CBI       | 1 - 5    | None                            |                       |
| Amorphous silica           | 7631-86-9 | 231-545-4 | 1 - 3    | None                            |                       |

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) and/or (3)

- (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

**SECTION 4: First aid measures**

**Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Move to fresh air. Get medical attention immediately if symptoms occur.                                  |
| <b>Ingestion</b>    | Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur.         |
| <b>Skin Contact</b> | Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur. |
| <b>Eye Contact</b>  | Flush with plenty of water. Get medical attention immediately if symptoms occur.                         |

**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.   |

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

**Advice for firefighters**

**Special protective equipment for fire-fighters**

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.

**Specific end uses**

Toner for electrophotographic machines. Obtain special instructions before use.

**SECTION 8: Exposure controls/personal protection**

**Control parameters**

**Exposure Limits**

| Chemical name                 | EU OEL | Australia OEL                               | OSHA PEL  | ACGIH TLV |
|-------------------------------|--------|---|---|-----------|
| Amorphous silica<br>7631-86-9 | None   | TWA: 2 mg/m <sup>3</sup> respirable<br>dust | TWA: 20 mppcf<br>: (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA | None      |

**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**

**Information on basic physical and chemical properties**

|   |                                      |
|---|--------------------------------------|
| <b>Appearance</b>                             | Cyan ; powder                        |
| <b>Odor</b>                                   | Slight odor                          |
| <b>Odor threshold</b>                         | No data available                    |
| <b>pH</b>                                     | Not Applicable                       |
| <b>Melting/Freezing point (°C)</b>            | 80 - 130 (Softening point)           |
| <b>Boiling Point/Range (°C)</b>               | Not Applicable                       |
| <b>Flash Point (°C)</b>                       | Not Applicable                       |
| <b>Evaporation Rate</b>                       | Not Applicable                       |
| <b>Flammability (solid, gas)</b>              | Not flammable; estimated             |
| <b>Flammability Limits in Air</b>             |                                      |
| <b>Upper Flammability Limit</b>               | Not Applicable                       |
| <b>Lower Flammability Limit</b>               | Not Applicable                       |
| <b>Vapor pressure</b>                         | Not Applicable                       |
| <b>Vapor density</b>                          | Not Applicable                       |
| <b>Relative density</b>                       | 1.0 - 1.2                            |
| <b>Solubility(ies)</b>                        | Organic solvent; partly soluble      |
| <b>Partition coefficient: n-octanol/water</b> | Not Applicable                       |
| <b>Autoignition Temperature (°C)</b>          | No data available                    |
| <b>Decomposition Temperature (°C)</b>         | > 200                                |
| <b>Viscosity (mPa s)</b>                      | Not Applicable                       |
| <b>Explosive properties</b>                   | May form explosive mixtures with air |
| <b>Oxidizing properties</b>                   | No data available                    |

**Other Information**

No data available

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

**SECTION 11: Toxicological information**

**Information on toxicological effects**

|  |   |
|--|---|
| <b>Acute toxicity</b>                    | Estimate: LD50 > 2000 mg/kg (Ingestion)   |
| <b>Skin corrosion/irritation</b>         | Estimate: Non-irritant  |
| <b>Serious eye damage/eye irritation</b> | Estimate: Transient slight conjunctival irritation only.  |
| <b>Sensitization</b>                     | Estimate: Non-sensitizing   |
| <b>Germ cell mutagenicity</b>            | Ames Test (S. typhimurium, E. coli): Negative   |
| <b>Carcinogenicity</b>                   | No data available   |
| <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   |
| <b>Other Information</b>                 | No data available   |

**SECTION 12: Ecological information**

**Toxicity**

**Ecotoxicity effects**

Fish, 96h LC50 > 100 mg/l  
Crustaceans, 48h EC50 > 100 mg/l  
Algae, ErC50(0-72h) > 100 mg/l

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**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).

**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**

|  |  |
|--|--|
| <b><u>UN number</u></b>  | None   |
| <b><u>UN Proper Shipping Name</u></b>  | None   |
| <b><u>Transport Hazard Class</u></b>   | None   |
| <b><u>Packing Group</u></b>  | None   |
| <b><u>Environmental Hazards</u></b>  | No special environmental precautions required. |
| <b><u>Special Precautions for users</u></b>                                      | None   |
| <b><u>Transport in bulk according to Annex II of MARPOL and the IBC Code</u></b> | Not Applicable                                 |

**SECTION 15: Regulatory information**

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

|                                 |               |
|---------------------------------|---------------|
| (EC) No 1907/2006 Authorisation | Not regulated |
| (EC) No 1907/2006 Restriction   | Not regulated |
| (EC) No 1005/2009               | Not regulated |
| (EC) No 850/2004                | Not regulated |
| (EU) No 649/2012                | Not regulated |

|                              |   |
|------------------------------|---|
| <b>Australia Information</b> | Not classified as hazardous according to criteria of Work Health and Safety Regulations 2011. |
| <b>Other Information</b>     | None  |

**SECTION 16: Other information**

**Key literature references and sources for data**

- U.S. Department of Labor, 29CFR Part 1910
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- 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, (EC) No 850/2004, (EU) No 649/2012
- Safe Work Australia, Model Work Health and Safety Act 2011 and Model Work Health and Safety Regulations 2011

**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
- 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 and 2009/161/EU.
- 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
- CBI: Confidential Business Information

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**Revision Note** None

**Disclaimer**

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