

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

**Product name** Canon Cartridge 311 Yellow  
**Product code(s)** 1657B003  
**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 Eptome, DLF Phase-3, Gurgaon-122002 Haryana, India  
Phone number : (91) 124-416-0000  
Emergency phone number : (91) 124-416-0180

Canon (China) Co. Ltd  
33F, China Life Financial Center, No.23 Zhenzhi Road, Chaoyang District, Beijing 100026, 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**

**GHS Classification**  
Not classified

**Label elements**

**Labelling according to GHS**

**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 %	GHS Classification	Note to other hazards
Styrene acrylate copolymer	CBI	CBI	75 - 85	None	
Wax	CBI	CBI	5 - 15	None	
Pigment	CBI	CBI	1 - 5	None	
Amorphous silica	7631-86-9	231-545-4	1 - 3	None	(1)

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 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.
<b>Eye contact</b>	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 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.

**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 7631-86-9	None	TWA: 2 mg/m <sup>3</sup> respirable dust	TWA: 20 mppcf : (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**

- 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**

**Information on basic physical and chemical properties**

<b>Appearance</b>	Yellow ; powder
<b>Odor</b>	Slight odor
<b>Odor threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting/freezing point (°C)</b>	100-150 (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>Auto-ignition 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>	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>	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 LL50 > 1000 mg/l (WAF)  
Crustaceans, 48h EL50 > 1000 mg/l (WAF)  
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

**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>	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
<b><u>Special precautions for users</u></b>	IATA: Not regulated
<b><u>Transport in bulk according to Annex II of MARPOL and the IBC Code</u></b>	Not applicable
<b><u>Other information</u></b>	Not classified as dangerous goods according to ADG.

**SECTION 15: Regulatory information**

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

<b>(EC) No 1907/2006 Authorisation</b>	Not regulated
<b>(EC) No 1907/2006 Restriction</b>	Not regulated
<b>(EC) No 1005/2009</b>	Not regulated
<b>(EU) 2019/1021</b>	Not regulated
<b>(EU) No 649/2012</b>	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**

GHS classification and labelling stated in SECTION 2 and 3 is according to EU Regulation (EC) No 1272/2008 and Australian Model Work Health and Safety Regulations 2011

**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, (EU) 2019/1021, (EU) No 649/2012
- Safe Work Australia, Model Work Health and Safety Act 2011 and Model Work Health and Safety Regulations 2011
- Australian Code for the Transport of Dangerous Goods by Road & Rail

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

- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- 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, (EU) 2017/2398 and (EU) 2019/983, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU and (EU) 2017/164.
- 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
- ADG: Australian Dangerous Goods
- CBI: Confidential Business Information

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**Revision note** None

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