SECTION 1: Product and company identification

Product identifier

Product name
Canon GPR-33 Cyan Toner

Product code(s)
2796B003

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

Cyan 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>Polyester resin</td>
<td>CBI</td>
<td>80 - 90</td>
</tr>
<tr>
<td>Pigment</td>
<td>CBI</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>7631-86-9</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>&lt; 1</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 7631-86-9</td>
<td>TWA: 20 mppcf  (80)/(% SiO2) mg/m³ TWA</td>
<td>None</td>
</tr>
<tr>
<td>Titanium dioxide 13463-67-7</td>
<td>TWA: 15 mg/m³ total dust</td>
<td>TWA: 10 mg/m³</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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Cyan ; 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>Property</td>
<td>Value</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting/freezing point (°C)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point/range (°C)</td>
<td>85 - 120 (Softening point)</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</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>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>

**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$_2$), Carbon monoxide (CO)

### SECTION 11: Toxicological information

**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 titanium dioxide as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the evidence such as development of lung tumors in rats receiving chronic inhalation exposure to powdered titanium dioxide at levels that induce particle overload of the lung. However, there is an inhalation study of a toner containing titanium dioxide which 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/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 LC50 > 100 mg/l
Estimate: Crustaceans, 48h EC50 > 100 mg/l
Estimate: Algae, ErC50(0-72h) > 100 mg/l

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
SECTION 15: Regulatory information

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

TSCA Sec. 4,5,6,7,8,12b
SARA Title III Sec. 313
California Proposition 65
CEPA Sec. 81
HPA (WHMIS)
Other information
None
None
None
None (Manufactured Item)
None (Manufactured Article)
None

Environmental hazards
Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.

UN number
None

UN proper shipping name
None

Transport hazard class
None

Packing group
None

Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

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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