

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Canon Drum Cartridge G
Product Code: 1511A / F43-7201
Manufacturer: Canon Inc.
 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan
Supplier: Canon Singapore Pte Ltd
 1 HarbourFront Avenue, #04-01, Keppel Bay Tower, Singapore 098632
 cspl_msds@canon.com.sg
Use of the Product: Drum for electrophotographic apparatus

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

< **Ingredient(s)** >

Chemical Name / Generic Name	CAS # / EC #	Weight %	EU Symbol	R-Phrase	USA OSHA PEL	ACGIH TLV	EU ILV	DFG MAK
Aluminum alloy	Confidential	95.0-98.0	Not applicable/	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Titanium dioxide	13463-67-7/ 236-675-5	0.5-2.0	Not applicable/	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Polycarbonate resin	Confidential	0.5-2.0	Not applicable/	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Arylamine derivative	Confidential	0.3-0.8	Not applicable/	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

< **Carcinogen** >

Chemical Name	CAS #	Reference
No component of this drum is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Annex I to Directive 67/548/EEC.		

SECTION 3 HAZARDS IDENTIFICATION

EU Classification:

Not applicable

Emergency Overview:

Greenish blue aluminum cylinder, no odor.

Potential Health Effects and Symptoms:

Inhalation:

Not applicable

Ingestion:

May be low acute toxicity. Ingestion is not an applicable route.

Eye:

Not applicable

Skin:

May be non-irritant.

Chronic Effects:

Not identified

Medical Conditions Generally known to be Aggravated by Exposure:

Not identified

SECTION 4 FIRST AID MEASURES**First Aid Measures:****Inhalation:**

Not applicable

Ingestion:

Not applicable

Eye:

Not applicable

Skin:

Wash with soap and water. If irritation persists, obtain medical advice.

Note to Physicians:None

SECTION 5 FIRE FIGHTING MEASURES**Fire Fighting Measures:****Extinguishing Media:**CO₂, dry chemicals, foam, water**Unsuitable Extinguishing Media:**

None

Special Fire Fighting Procedures:

None

Unusual Fire and Explosion Hazards:None

Fire and Explosive Properties (See also Section 9):**Hazardous Combustion Products:**CO, CO₂, NO_x**Other Properties:**None

SECTION 6 ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

Not applicable

Environmental Precautions:

Not applicable

Method for Cleaning Up:Not applicable

SECTION 7 HANDLING AND STORAGE**Handling:**

None of safe handling advice.

Storage:

Keep at temperature not exceeding 45°C.

Specific Uses:

Drum for electrophotographic apparatus.

For more information, please refer to the instruction of this product.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

None

Engineering Controls:

Not required

Personal Protection Equipment(s):

- Respiratory Protection:** Required
 Not Required
- Eye/Face Protection:** Required
 Not Required
- Skin Protection:** Required
 Not Required

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Greenish blue aluminum cylinder.
Odor:	No odor
pH:	Not applicable
Boiling Point/Range(°C):	Not applicable
Melting Point/Range(°C):	>100
Decomposition Temperature(°C):	Not available
Flash Point(°C):	Not applicable
Flammable (Explosive) Limits:	Not applicable
Autoignition Temperature(°C):	Not applicable
Flammability:	Not flammable
Explosive Properties:	None
Oxidizing Properties:	None
Vapor Pressure:	Negligible
Vapor Density:	Not applicable
Density / Specific Gravity:	Not available
Water Solubility:	Not soluble
Fat Solubility:	Partially soluble in ketones, esters and aromatic solvents.
Partition Coefficient (n-Octanol/Water):	Not soluble in water and n-octanol.
Percent Volatile: (%)	Negligible
Evaporation Rate:	Not applicable
Viscosity (mPa s):	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Stability:	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable
Conditions to Avoid:	None
Materials to Avoid:	None
Hazardous Decomposition Products:	CO, CO2, NOx
Hazardous Polymerization:	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur
Conditions to Avoid:	None

SECTION 11 TOXICOLOGICAL INFORMATION**Acute Toxicity:****Inhalation:**

Not available

Ingestion:

Estimate: Coating layer: Rat, LD50 > 2000 mg/kg (See Section 16)

Eye:

Not available

Skin:

Not available

Sensitization:

Not available

Mutagenicity:Coating layer. Ames Test (*S. typhimurium*): Negative**Reproductive Toxicity:**

Not available

Carcinogenicity:

Not available

Others:

Not available

SECTION 12 ECOLOGICAL INFORMATION**Mobility:**

Not available

Persistence / Degradability:

Not available

Bioaccumulation:

Not available

Ecotoxicity:

Not available

Other Adverse Effects:

Not available

SECTION 13 DISPOSAL CONSIDERATION**Method of Disposal:**

Dispose under conditions which meet all federal, state and local laws.

SECTION 14 TRANSPORT INFORMATION**UN #:**

None

UN Shipping Name:

None

UN Classification:

None

UN Packing Group:

None

Marine Pollutant: Yes
 No**Chemical name (wt%):****Special Precautions:** None

SECTION 15 REGULATORY INFORMATION

< EU Information >

Information on the Label:

Symbol & Indication: Not applicable

R-Phrase:
Not applicable

S-Phrase:
Not applicable

Dangerous Component(s):
Not applicable

Special Precautions under 1999/45/EC Annex V:
Not applicable

Specific Provisions in Relation to Protection of Man or the Environment:

76/769/EEC: Not regulated

(EC)2037/2000: Not regulated

(EC)304/2003: Not regulated

Others: None

< USA Information >

Information on the Label:

Signal Word: Not applicable

Hazard warning:
Not applicable

Safety Advice:
Not applicable

Hazardous Component(s):
Not applicable

SARA Title III §313:

Chemical Name	Weight %
<u>Not applicable</u>	

California Proposition 65:

Chemical Name	Weight %
<u>None</u>	

< Canada Information >

WHMIS Controlled product: Not applicable

< Australia Information >

Statement of Hazardous Nature: Not applicable

SECTION 16 OTHER INFORMATION

Estimate: Estimate based on test data on similar toner/developer/drum and/or the raw materials of this product.

Literature Reference:

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- 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
- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- DFG, List of MAK and BAT Values
- EU Directive 76/769/EEC, 67/548/EEC, 1999/45/EC
- EU Regulation (EC)2037/2000, (EC)304/2003
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substances[NOHSC:1008]

Abbreviations:

- EU: European Union.
- 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.
- EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC and 2000/39/EC.
- DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.
- TWA: Time Weighted Average.
- STEL: Short Term Exposure Limit.
- IARC: International Agency for Research on Cancer.
- NTP: National Toxicology Program (USA).
- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA).
- FHSA: Federal Hazardous Substances Act (USA).
- WHMIS: Workplace Hazardous Materials Information System.
- NOHSC: National Occupational Health and Safety Commission.

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