

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Product Name: Canon Drum Cartridge 701 (for Laser Beam Printer)

Product Code: 9623A / R96-5103

Company Name: Canon Inc.

Address: 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

Use of the Product: Drum for electrophotographic apparatus

SECTION 2 HAZARDS IDENTIFICATION
EU Classification:

Not applicable

Emergency Overview:

Viridian aluminum cylinder, no odor.

Potential Health Effects and Symptoms:
Inhalation:

Not applicable

Ingestion:

Not applicable

Eye:

Not applicable

Skin:

May be non-irritant.

Chronic Effects:

Not identified

Medical Conditions Generally known to be Aggravated by Exposure:

Not identified

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS
< Ingredient(s) >

Chemical Name / Generic Name	CAS # / EC #	Weight %	EU Symbol	R-Phrase	USA OSHA PEL	ACGIH TLV	EU OEL	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	0.2-1.0	Not applicable/	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Polyester resin	Confidential	0.2-1.0	Not applicable/	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Arylamine derivative	Confidential	0.2-1.0	Not applicable/	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

< Carcinogen >

No component of this drum is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Part 3 of Annex VI to Regulation (EC) 1272/2008.

< PBT substance and vPvB substance >

Not applicable

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 or 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: Viridian 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: Stable
 Unstable

Conditions to Avoid: None
Materials to Avoid: None
Hazardous Decomposition Products: CO, CO2, NOx
Hazardous Polymerization: May Occur
 Will Not Occur

Conditions to Avoid: None

SECTION 11 TOXICOLOGICAL INFORMATION
Acute Toxicity:
Inhalation:

 Not available

Ingestion:

 Not available

Eye:

 Not available

Skin:

 Not available

Sensitization:

 Not available

Mutagenicity:

 Estimate: Coating layer: Ames Test (S. typhimurium, E. coli): Negative (See SECTION 16)

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 CONSIDERATIONS
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:
(EC) No 1907/2006 Annex XVII (Restrictions):
Not regulated
(EC) No 1005/2009:
Not regulated
(EC) No 689/2008:
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 %
Not applicable
California Proposition 65:
Chemical Name
Weight %
None
< 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 References:

- 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 (EC) No 1907/2006 Annex XVII (Restrictions), 1999/45/EC
- EU Regulation (EC) No 1005/2009, (EC) No 689/2008, (EC) No 1907/2006, (EC) No 1272/2008
- 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 OEL: Occupational exposure limits at Community level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC and 2009/161/EU

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.

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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