

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

**MATERIAL SAFETY DATA SHEET**MSDS #:
Product Code: 9623A / R96-5103**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.



MATERIAL SAFETY DATA SHEET

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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



MATERIAL SAFETY DATA SHEET

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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



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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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