

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

**Product Name:** Canon C-EXV 14 Drum Unit  
**Product Code:** 0385B / F48-0039  
**Company Name:** Canon Europa N.V.  
**Address:** Bovenkerkerweg 59-61, 1185XB, Amstelveen, The Netherlands  
**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	0.2-1.0	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Polycarbonate resin	Confidential	0.2-1.2	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Aryl amine derivative	Confidential	0.2-1.0	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:**  
 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

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**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

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**SECTION 5 FIRE FIGHTING MEASURES****Fire Fighting Measures:****Extinguishing Media:**CO<sub>2</sub>, 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, CO<sub>2</sub>, NO<sub>x</sub>**Other Properties:**

None

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

Not applicable

**Environmental Precautions:**

Not applicable

**Method for Cleaning Up:**

Not applicable

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**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**

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

**SECTION 10 STABILITY AND REACTIVITY**

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

**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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