

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

Product Name: Canon C-EXV 9 Drum Unit
Product Code: 8644A / F43-8901
Company Name: Canon Europa N.V.
Address: Bovenkerkerweg 59-61, 1185 XB, 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 applica ble applic ble able | Not applicable | Not applicable | Not applicable | Not applicable |
| Titanium dioxide | 13463-67-7/ 236-675-5 | 0.2-1.0 | Not applica ble applic ble able | Not applicable | Not applicable | Not applicable | Not applicable |
| Polyester resin | Confidential | 0.2-1.0 | Not applica ble applic ble able | Not applicable | Not applicable | Not applicable | Not applicable |
| Aryl amine derivative | Confidential | 0.2-1.0 | Not applica ble applic ble able | 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:

Grayish green 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 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, NOx

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

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: | Grayish green 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, NO_x

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:

Coating layer: Ames Test (S.typhimurium, E.coli): Negative

Reproductive Toxicity:

Not available

Carcinogenicity:

Not available

Others:

None

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 regulations.

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 % |
|----------------|----------|
| 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

None

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" stands for European Union.
- "OSHA PEL" stands for PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration(USA).
- "ACGIH TLV" stands for TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.
- "EU ILV" stands for Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC and 2000/39/EC.
- "DFG MAK" stands for MAK(Maximale Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.
- "TWA" stands for Time Weighted Average.
- "IARC" stands for International Agency for Research on Cancer.
- "NTP" stands for National Toxicology Program (USA).
- "OSHA HCS" stands for Occupational Safety and Health Act, Hazard Communication Standard(USA).
- "FHSA" stands for Federal Hazardous Substances Act(USA).
- "WHMIS" stands for Workplace Hazardous Materials Information System.
- "NOHSC" stands for National Occupational Health and Safety Commission Act 1985.

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