



MATERIAL SAFETY DATA SHEET

R74-6002

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

Product Name: EP-W CARTRIDGE

Description: An assembly for Laser Beam Printer, composed of a photosensitive Drum, toner powder, a developer unit, a charger-roller and a cleaner blade. The toner powder cannot be removed, until the cartridge is forced to be broken.

STATEMENT OF HAZARDOUS NATURE: Not classified as hazardous according to the criteria on Worksafe Australia.

Manufacturer: Canon Inc.
30-2, Shimomaruko 3-Chome, Ohta-ku Tokyo, Japan
Phone: 03-3758-2111

Distributor: Canon Australia Pty Ltd
1 Thomas Holt Drive
North Ryde NSW 2113
Phone: (02) 9805-2000

Date of preparation: 2 October 1996

Revised: 16 December 1997

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)

Chemical Name	CAS#	Weight %	EU Symbol	EU R-Phrase
Styrene acrylate copolymer	---	45 – 55	----	----
Iron oxide	(1317-61-9)	45 – 55	----	----

Chemical Name	USA OSHA PEL	ACGIH TLV
particulate)	15mg/m3 (Total dust) 5mg/m3 (Respirable fraction)	10mg/m3 (Inhalable particulate) 3mg/m3 (Respirable)

Chemical Name	EU ILV	DFG MAK
		6mg/m3 (Feinstaubkonzentration)

Date of Issue: October 2, 1996

Revised:



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SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS – Continued

Carcinogen

Chemical Name	CAS #	Reference
None		

Other Ingredient(s)

Chemical / Generic Name	Weight %
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No data available

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: Toner cartridge contains fine powder with slight plastic odour.

Potential Health Effects and Symptoms:

Inhalation: Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.

Ingestion: Ingestion is not applicable route of entry for intended use.

Eye: May cause eye irritation.

Skin: Unlikely to cause skin irritation.

Chronic Effects: No data available

Medical Conditions Generally known to be Aggravated by Exposure:
No data available



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SECTION 4 FIRST AID MEASURES

First Aid Measures:

Inhalation: Remove victim to fresh air.

Ingestion: Dilute stomach contents with several glasses of water.

Eye: Flush with running water for at least 15 minutes.

Skin: Wash with water and soap.

Note to Physicians: No data available

SECTION 5 FIRE FIGHTING MEASURES

Fire Fighting Measures:

Extinguishing CO₂, Water, dry chemicals.

Media:

Unsuitable

Extinguishing Media: No data available

Special Fire None.

Fighting Procedures:

Unusual Fire and Explosion Hazards: This material like most organic material in powder form, is capable of creating a dust explosion.

Fire and Explosive Properties:

Flash Point (°C): No data available

Flammable
(Explosive) Limits: No data available.

Autoignition
Temperature (°C): No data available

Flammability: Non-flammable solid (According to test method of USA 16CFR 1500.44
And 84/449/EEC (Annex V) A.10.)



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SECTION 5 FIRE FIGHTING MEASURES - Continued

Fire and Explosive Properties – Continued:

Autoflammability: No data available

Explosive Properties: No data available

Oxidising Properties: No data available

Hazardous Combustion Products: No data available

Other Properties: No data available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: No data available

Environmental Precautions: No data available

Method for Cleaning Up: No toner spillage occurs in normal operation or handling. If it should occur, avoid inhalation of the dust. Sweep material onto paper and carefully transfer to a sealable waste container.

SECTION 7 HANDLING AND STORAGE

Handling: Keep away from contact with oxidising materials

Storage: Keep out of the reach of children.



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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Not established.
See SECTION 2

Engineering Controls: Good ventilation should be sufficient.

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: Fine powder

Odour: Slight plastic odour

pH in concentrate: Cannot be determined

Boiling Point / Range (°C): Not applicable

Melting Point / Range (°C): 100 - 150°C (Softening point)

pH: Not applicable.

Flash Point (°C): No data available

Flammable (Explosive) Limits: No data available

Autoignition Temperature (°C): No data available

Flammability: Non-flammable solid (According to test method of USA 16CFR 1500.44 and 84/449/EEC (Annex V) A.10.)

Autoflammability: No data available

Explosive Properties: No data available

Oxidizing Properties: No data available

Vapour Pressure: Not applicable

Vapour Density: Not applicable

Density / Specific Gravity: 1.4 – 1.8

Water Solubility: Negligible

Solubility in organic solvents: Partially soluble in toluene and xylene.

Partition Coefficient (n-Octanol / Water): No data available

Percent Volatile: Not applicable

Evaporation Rate: Not applicable



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SECTION 10 STABILITY AND REACTIVITY

Stability: ☒ Stable ☐ Unstable

Conditions to Avoid: No data available

Materials to Avoid: No data available

Hazardous Decomposition Products: Combustion will produce carbon dioxide and possibly toxic chemicals such as carbon monoxide.

Hazardous Polymerisation ☐ May Occur ☒ Will Not Occur

Incompatibility of Toner: Strong oxidisers

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation: No data available

Ingestion: LD50: >5000mg/kg (rats)

Eye: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC based on test data of rabbits.

Skin: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC based on test data of rabbits

Sensitisation: No data available

Mutagenicity: Negative (Ames test: Salmonella typhimurium)

Reproductive Toxicity: No data available



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SECTION 11 TOXICOLOGICAL INFORMATION - Continued

Carcinogenicity: No carcinogen or potential carcinogen, according to IARC Monographs, NTP, OSHA(USA) regulation and EU Directive (Annex I to Directive 67/548/EEC).

Others: No data available

SECTION 12 ECOLOGICAL INFORMATION

Mobility: No data available

Persistence / Degradability: No data available

Bioaccumulation: No data available

Ecotoxicity: No data available

Other Adverse Effects: No data available

SECTION 13 DISPOSAL CONSIDERATION

Method of Disposal: This product is constructed from plastics and metals. The waste toner could be considered as plastic waste. Disposal should be subject to federal, state or local laws.

SECTION 14 TRANSPORT INFORMATION

UN# 2807

UN Shipping Name: No data available

UN Hazards Class: Magnetised material

UN Packing Group: None

Special Precautions: 18 or more these products shipped together by air, is regulated as magnetised material.



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SECTION 15 REGULATORY INFORMATION

EU Information:

Information on the Label:

Symbol & Indication: Not required.

R-Phrase: Not required.

S-Phrase: Not required.

Dangerous Component(s):

None

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

76/769/EEC: Not regulated

(EC)3093/94: No data available

(EEC)2455/92: Not regulated

Others: None

USA Information:

Information on the Label:

Signal Word: No data available

Hazard warning: No data available

Safety Advice: No data available

Hazardous Component(s): No data available

SARA Title III §313:

Chemical Name

Weight %

None

California Proposition 65:

Chemical Name

Weight

None



SECTION 16 OTHER INFORMATION

Other Information:

No data available

Literature Reference:

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environment 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 Organisation 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, 88/379/EEC and their amendments
- EU Regulation (EC)3093/94, (EEC)2455/92 and their amendments

Abbreviations:

‘EU’ stands for European Union.

‘OSHA PEL’ stands for PEL (Permissible Exposure Limit) under Occupational Safety and Health Administration.

‘ACGIH TLV’ stands for TLV (Threshold Limit Value) under American Conference of Government Industrial Hygienists.

‘EU ILV’ stands for Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC.

‘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).

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process. And it is based on the level of our knowledge as of the date of preparation.