

MATERIAL SAFETY DATA SHEET

1792

Canon U.S.A., Inc.  
 One Canon Plaza  
 Lake Success, NY 11042  
 Telephone: 516-328-5600

24 hr. Emergency Contact  
 CHEMTREC: 800-424-9300

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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 IDENTIFICATION OF THE SUBSTANCE OF PREPARATION

Product Name: EP-S CARTRIDGE BLACK

ITEM Nos: R64-0001, R64-0002 (Weight - 280g)

DESCRIPTION: An assembly for Laser beam Printer, composed of a photosensitive drum, toner powder, developer unit, corona unit and a cleaner blade. The toner powder cannot be removed unless the cartridge is forced and broken.

1.2 COMPANY/UNDERTAKING IDENTIFICATION

Manufacturer: Canon Inc, Tokyo Japan  
 30-2, Shimomaruko 3-Chome, Ohta-Ku  
 Tokyo Japan  
 Phone: 03-3758-2111  
 Supplier: Canon USA, Inc.  
 One Canon Plaza  
 Lake Success, NY 11042  
 Phone: (516) 328-5600

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight %	(CAS Registry No.)	Component
60 - 70	-----	Styrene Acrylate Copolymer
30 - 40	1317-61-9	Iron Oxide

(See SECTION 8 for Exposure Limits.)

Manufacturer contact states all other information is proprietary.

SECTION 3. HAZARDS IDENTIFICATION \*\*\* EMERGENCY OVERVIEW \*\*\*

Toner Low Hazard For Recommended Handling.

NFPA HMIS RATING: Health = 0, Flammability = 1, Reactivity = 0

Note: HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

SECTION 4. FIRST-AID MEASURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.  
 Eyes: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.  
 Skin: Wash with soap and water. Get medical attention if symptoms occur.  
 Ingestion: Drink 1-2 glasses of water. Seek medical attention.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Fine powder
Color:	Black
Odor:	Typical plastic odor
Specific Gravity: (Water=1):	1.4 - 1.6
Vapor Density (Air=1):	N/A
Evaporation Rate (n-Butyl Acetate=1):	N/A.
Volatile Fraction by Weight:	Negligible
Melting Point:	100 - 150 Degrees Centigrade
Solubility in Water:	Negligible
Solubility in Organic Solvents:	Partially soluble in toluene and xylene.
pH:	N/A

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable
Incompatibility:	Strong oxidizing agents.
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Combustion will produce carbon dioxide, and carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATIONEFFECTS OF OVEREXPOSURE:

Health Hazards of Long-Term Exposure (Chronic): Based upon available data, human exposure to toner has been shown to cause minimal respiratory tract irritation as may occur with large amounts of any nontoxic dusts. The results of one animal study where rats inhaled toner that was ten times more respirable than commercially available toner were observed to have no lung changes at low exposures (the most relevant level to potential human exposures). At higher levels a slight degree of lung fibrosis was observed due to excessive amounts of dust retained in the lungs for a prolonged interval.

INHALATION: Expected to be a low hazard for recommended handling.  
EYE: No specific hazards known. May cause transient irritation.  
SKIN: Expected to be low hazard for recommended handling.  
INGESTION: Expected to be low ingestion hazard.

Salmonella typhimurium assay (Ames test): Negative

SECTION 12. ECOLOGICAL INFORMATION

This material has not been tested for environmental effects. In a spill situation this material may be visually unpleasant; however, it is not expected to cause any adverse environmental effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Incinerate or landfill, Can be incinerated when in compliance with local regulations. Discharge, treatment, or disposal may be subject to national state, or local laws.

**SECTION 14. TRANSPORTATION INFORMATION**

For transportation information regarding this product, please phone  
Canon Headquarters; Lake Success New York, (516) 328-5600

D.O.T. SHIPPING NAME: Magnetized Material (64 or more Cartridges)  
D.O.T. HAZARD CLASS: 9  
UN No.: UN 2807

**SECTION 15. REGULATORY INFORMATION**

- Material(s) known to the State of California to cause cancer: None
- Material(s) known to the State of California to cause adverse reproductive effects: None
- Carcinogenicity Classification (components present at 0.1% or more): None
- International Agency for Research on Cancer (IARC): None
- American Conference of Governmental Industrial Hygienists (ACGIH): None
- National Toxicology Program (NTP): None
- Occupational Safety and Health Administration (OSHA): None
- Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372:
  - Chromium (III) and compounds: 2.0 wt% (Maximum)
  - (As chromium metal: 0.5 wt% (Maximum))
- TSCA STATUS: All chemical ingredients found on TSCA Inventory.
- RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the end-user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as hazardous waste.  
40 CFR 261.20-24

**SECTION 16. OTHER INFORMATION**

U.S./Canada Label Statements: LOW HAZARD FOR RECOMMENDED HANDLING  
Minimize dust generation and accumulation. Use with adequate ventilation.  
IN CASE OF FIRE: Use Water spray, carbon dioxide (CO<sub>2</sub>), or dry chemical.  
IN CASE OF SPILL: Sweep or scoop up and remove. Flush residual spill area  
with water.

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The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

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