



MATERIAL SAFETY DATA SHEETS

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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION1.1 IDENTIFICATION OF THE SUBSTANCE OF PREPARATION

Product Name: PC-10/14/20/24/25 Cartridge Toner Black

ITEM No.(s): F41-2302-DEN, F41-2302-WRT, F41-2302-100, F41-2302-110,
 F41-2302-120, F41-2302-701, F41-2302-702 (Weight 130 grams)

DESCRIPTION: PC cartridge assembly composed of a photo-sensitive drum,
 toner powder, developer unit, corona unit, and cleaner blade.

Toner powder is not accessible, unless cartridge is forced or 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
30 - 40	(0001317-61-9)	Iron Oxide
50 - 60	(-----)	Styrene Copolymer

Manufacturer contact states all other information is proprietary.

SECTION 3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***

Low Hazard For Recommended Handling.

NFPA RATING: Health = 0, Flammability = 1, Reactivity = 0
 HMIS RATING: Health = 1, Flammability = 0, 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 (Toner)

Physical Form:	Solid fine powder.
Color:	Black
Odor:	Slight plastic odor.
Specific Gravity: (Water=1):	1.4 - 1.6
Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A
Evaporation Rate (n-Butyl Acetate=1):	Negligible
Melting Point:	100 - 150 degrees Centigrade.
Solubility in Water:	Negligible
Solubility in Organic Solvents:	Partially soluble in toluene & 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 possibly toxic chemicals such as carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

EFFECTS 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.

Mutagenicity: 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 federal, state, or local laws.



SECTION 14. TRANSPORTATION INFORMATION

SHIPPING NAME: Not Regulated
 HAZARD CLASS: N/A
 UN No.: N/A

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: None
- 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 (CO₂), or dry chemical.
 IN CASE OF SPILL: Sweep or scoop up and remove. Flush residual spill area with water.

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.

PREPARED BY: Environmental Management & Product Safety Dept.
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