

Canon

94567

MSDS#: CPY-0168-001 (1/3)

MATERIAL SAFETY DATA SHEET

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Date of preparation: 11/85
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SECTION 1. PRODUCT IDENTIFICATION

TRADE NAME: PC 10/25 Cartridge Black Toner (130g)
PRODUCT DESCRIPTION: Assembly for Cartridge is composed of photosensitive drum, toner powder, developer unit, corona unit and cleaner blade.
ITEM NO: F41-2301, F41-2302-100
NFPA HMIS RATING: Health: 0, Flammability: 1, Reactivity: 1

PC 20 CTG

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SECTION 2 INGREDIENTS (TONER)

Principal Component(s)	CAS No.	WT. %	OSHA (PEL) ACGIH (TLV)
Styrene Copolymer	-----	50-60	N/A
Iron Oxide	1317-61-9	30-40	N/A

Manufacturer contact states all other information is proprietary.

N/A = Not Applicable

Concerning carcinogenicity, the ingredients listed above are not listed on the latest NTP Annual Report, IARC Monographs and OSHA regulations.

SECTION 3 PHYSICAL DATA

APPEARANCE AND ODOR:	Fine powder, slight plastic odor.
BOILING POINT (C):	N/A
MELTING POINT:	100 - 150 degrees Cent.
VAPOR PRESSURE (mmHg.):	Negligible.
VAPOR DENSITY (AIR=1):	N/A
SOLUBILITY IN WATER:	Negligible.
SOLUBILITY IN ORGANIC SOLVENTS:	Partially soluble in toluene & xylene
SPECIFIC GRAVITY (Water=1):	1.4- 1.6
PERCENT VOLATILE BY VOLUME:	Negligible
EVAPORATION RATE (BUTYL ACETATE=1)	Negligible.
PH IN CONCENTRATE:	Cannot be determined.
PH IN DILUTION AS USED:	Cannot be determined.

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
IGNITION TEMPERATURE: N/A
FLAMMABILITY: Non-flammable solid (According to test method of 16 CFR 1500.44).
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: Water, Dry Chemical, Carbon Dioxide.
SPECIAL FIRE FIGHTING INSTRUCTIONS: N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS: This material, like most organic materials in powder form, is capable of creating a dust explosion.

SECTION 5 HEALTH HAZARD DATA

NOTE:- Toner powder is not accessible unless the cartridge is forced open or is broken.

- A. EXPOSURE LIMITS:
- | | | |
|------------------|---------------------|-----------------------|
| OSHA (TWA/PEL): | 15mg/m ³ | (Total Dust) |
| | 5mg/m ³ | (Respirable Fraction) |
| ACGIH (TWA/TLV): | 15mg/m ³ | (Total Dust) |
- B. EFFECTS OF OVEREXPOSURE:
- INHALATION: Toner is finely divided solid. Do not breathe dust.
EYE CONTACT: No specific hazard known to Canon. However, any material contacting the eye may be irritating.
SKIN CONTACT: Low hazard for industrial handling.
- No data available for chronic effects of overexposure.
- C. TOXICITY DATA:
- Mutagenicity: Negative (Test species S. Typhimurium)

SECTION 6 EMERGENCY FIRST AID PROCEDURES

Inhalation: Remove from exposure to fresh air.
Eye Contact: Open eye and flush with plenty of water. If irritation persists get medical attention.
Skin: Wash with soap and water.
Ingestion: Drink several glasses of water. Call a physician.

SECTION 7 REACTIVITY DATA

STABILITY: Stable.
INCOMPATIBILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:
As with any other organic material, combustion will produce Carbon Dioxide and Carbon Monoxide.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 8 SPILL, LEAK AND DISPOSAL PROCEDURES

SPILLS & LEAKS: Sweep material onto paper and place in fiber carton.
DISPOSAL METHOD: The cartridge is constructed from plastics and metals. No special disposal technique required. Ensure compliance with federal, state and/or local regulations.

SECTION 9 SPECIAL PROTECTION INFORMATION

VENTILATION: Good general ventilation should be sufficient.
PROTECTIVE GLOVES: None required.
EYE PROTECTION: None required.
OTHER PROTECTIVE EQUIPMENT: None.

SECTION 10 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep Out Of The Reach Of Children.

Keep from contact with oxidizing materials.

SECTION 11 REGULATORY INFORMATION

CHEMICALS REQUIRED TO BE REPORTED UNDER SARA TITLE III, CERCLA: None.

ALL COMPONENTS ARE REGISTERED IN ACCORDANCE WITH TSCA.

DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: N/A
HAZARDOUS CLASS: N/A
ID No.: N/A

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 process.