

MSDS-2546

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HP P/N 92285A/Z

**Canon**

MSDS#: LBP-0022-001 ( 1/ 3)

**MATERIAL SAFETY DATA SHEET**

Canon U.S.A., Inc.  
 One Canon Plaza  
 Lake Success, NY 11042  
 Telephone: 516-488-6700

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

Date of preparation: 11/85  
 Date of revision: 12/91

**SECTION 1 PRODUCT IDENTIFICATION**

TRADE NAME: **EP-Cartridge Black**

PRODUCT DESCRIPTION: EP cartridge assembly for LBP-CX is composed of photosensitive drum, toner, developer unit, charge-roller and cleaner blade.

ITEM NO: **R34-0002**

NFPA HMIS RATINGS: Health: 0, Flammability: 1, Reactivity: 1

**SECTION 2 INGREDIENTS (TONER)**

<u>Principal Component(s)</u>	<u>CAS No.</u>	<u>WT. %</u>	<u>OSHA (PEL) ACGIH (TLV)</u>
Styrene Acrylate Copolymer	-----	55-65	N/A
Iron Oxide	1317-61-9	30-40	N/A
Salicylic Acid Chromium (III) Chelate	72869-85-3	1-3	See Section 5A-5C

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 C
VAPOR PRESSURE (mmHg.):	Negligible.
VAPOR DENSITY (AIR-1):	N/A
SOLUBILITY IN WATER:	Negligible.
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.

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**SECTION 4 FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: N/A  
 IGNITION TEMPERATURE: N/A  
 FLAMMABILITY: Non-flammable solid, according to 16 CFR 1500.44 test method.  
 FLAMMABLE LIMITS: N/A  
 EXTINGUISHING MEDIA: Water, Dry Chemical, Carbon Dioxide  
 SPECIAL FIRE FIGHTING PROCEDURES: None  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: This material, like most organic material in powder form, is capable of creating a dust explosion.

**SECTION 5 HEALTH HAZARD DATA**

Toner powder is not accessible, unless cartridge is forced, or broken into.

A. EXPOSURE LIMITS: See Section 2.  
 OSHA(TWA/PEL): 15 mg/m3 (Total dust)  
 5 mg/m3 (Respirable fraction)  
 ACGIH(TWA/TLV): 10 mg/m3 (total dust)

B. EFFECTS OF OVEREXPOSURE: Minimal respiratory tract irritation may occur as with exposure to large amounts of any dust.

**C. TOXICITY DATA:**

<u>Test</u>	<u>Species</u>	<u>Result</u>
Mutagenicity	S. Typhimurium	Negative

**SECTION 6 EMERGENCY FIRST AID PROCEDURES**

Inhalation: Remove from exposure  
 Eye Contact: No specific hazard is known to Canon. However, any material that contacts the eye may be irritating. In case of eye contact, flush with plenty of water. If irritation persists contact a physician.  
 Skin: Wash with soap and water.

**SECTION 7 REACTIVITY DATA**

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

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**SECTION 8 SPILL, LEAK AND DISPOSAL PROCEDURES**

**SPILLS & LEAKS:** Sweep material onto paper or collect it.  
**DISPOSAL METHOD:** No special disposal technique is required. Ensure compliance with federal, state and/or local regulations.

**SECTION 9 SPECIAL PROTECTION INFORMATION**

**VENTILATION:** Good general ventilation should be sufficient  
**PROTECTION 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 reach of children.

Keep from contact with oxidizing materials.

**SECTION 11 REGULATORY INFORMATION**

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

**DEPARTMENT OF TRANSPORTATION**

**Proper Shipping Name:** N/A  
**Hazard Class:** N/A  
**UN ID No.:** N/A

**ALL COMPONENTS ARE REGISTERED IN ACCORDANCE WITH TSCA.**

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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.

TONER

SEP 12 1994

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Hewlett-Packard Company  
Boise Division  
Post Office Box 15  
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COVER LETTER  
for  
Canon EP Cartridge  
(see attached MSDS)

Hewlett-Packard provides a Material Safety Data Sheet (MSDS) for those products in which substances, (chemicals) are manufactured into the product or included as accessories. This has been prompted by statutory "Right-to-know" requirements which have been enacted in several areas and Hewlett-Packard's desire to be foremost in good citizenship.

Inclusion of an MSDS with a Hewlett-Packard product in no way implies an inferior or unsafe product; it simply provides necessary safety information for people who must use the product. The following item is for correlation purposes.

Part No.	Description	Printer
92285A	EP Cartridge (Black)	LaserJet, LaserJet PLUS, Laser 500 PLUS
**92285Z	EP Cartridge (Black)	LaserJet, LaserJet PLUS, Laser 500 PLUS

\*\*Order quantity is by the "Pallet"

October 14, 1991