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TONER

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Hewlett-Packard Company
Boise Division
Post Office Box 15
Boise, Idaho 83707-0015



COVER LETTER
for
Canon EP-L Cartridge
distributed as
Hewlett Packard 92275A

The Hewlett Packard 92275A (EP-L) cartridge, nor the contents of the cartridge, is NOT a hazardous item as described by any known federal or state laws.

Because Hewlett Packard receives many inquiries as to the makeup of the toner cartridges used in the LaserJet family of printers, Hewlett Packard and Canon have chosen to provide answers to these inquiries by providing the information in the Material Safety Data Sheet (MSDS) format. The use of this format is chosen as it aids readers familiar with the MSDS format in identifying quickly the information they seek.

The provision of an MSDS and the use of the format in no way implies an inferior or unsafe product. This format simply provides the requested information in a familiar layout.

The following item is for correlation purposes:

Part No.	Description	Printer
92275A	EP-L Cartridge	LaserJet IIP (33471A & 33471AB)
		LaserJet IIP Plus (C2007A & C2007AB)
		LaserJet IIIP (33481A & 33481AB)

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Canon

MSDS#: LBP-0027-001 (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: 9/89
 Date of revision: 12/91

SECTION 1 IDENTIFICATION

TRADE NAME: EP-L Cartridge

PRODUCT DESCRIPTION: Assembly for EP-L cartridge is composed of photosensitive drum, toner, developer unit, charge roller and cleaner blades.

ITEM NO: R64-1002

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

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

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, or OSHA regulations.

SECTION 3 PHYSICAL DATA

BOILING POINT (C): Not available for solid mixtures.

MELTING POINT: 100 - 150 C

VAPOR PRESSURE (mmHg.): Negligible

VAPOR DENSITY (AIR=1): N/A

SOLUBILITY IN WATER: Negligible

SOLUBILITY IN ORGANIC SOLVENTS: Partially soluble in toluene and 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

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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 test method 16 CFR 1500.44.
 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 the cartridge is forced, or broken into.

A. EXPOSURE LIMITS: See Section 2
 Chromium (III) compounds as chromium OSHA (TWA/PEL) = 0.5mg/m³
 Total Dust OSHA (TWA/PEL) = 10mg/m³
 Respirable Fraction = 5mg/m³
 Total Dust ACGIH (TWA/TLV) = 10mg/m³

B. EFFECTS OF OVEREXPOSURE:
 INHALATION: Gasping, Do not breathe dust.
 EYE CONTACT: No specific hazard known to Canon. However, any material contact 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

Inhalation: Remove from exposure.
 Eye: In case of eye contact, flush eye with plenty of water. If irritaion 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 and place in fiber carton.
DISPOSAL METHOD: No special disposal technique required. Ensure compliance with federal, state and/or local regulations. Cartridge may be considered plastic waste.

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:
Chromium(III) and compounds: 1.9 wt% (Maximum)
{As chromium metal: 0.17 wt% (Maximum)}

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.

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.