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DOLPHIN NOTE

IF (R\*) APPEARS IN THIS DOCUMENT IT REPRESENTS "REGISTERED TRADEMARK".

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HP P/N 92275A

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

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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)

July 15, 1994  
MSDSCVR.SPD

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CANON

MSDS#: LBP-0027-002

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: 3/93

-----SECTION 1 IDENTIFICATION -----

TRADE NAME: EP-L CARTRIDGE  
PRODUCT DESCRIPTION: ASSEMBLY FOR EP-L CARTRIDGE IS COMPOSED OF PHOTSENSITIVE 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) -----

PRINCIPAL COMPONENTS (S)	CAS NO.	WT. %	OSHA (PEL) ACGIH (TLV)
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 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:
- | TEST         | SPECIES        | RESULT   |
|--------------|----------------|----------|
| 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. CARTRIDGE IS COMPOSED OF PLASTIC AND METALS.

-----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: MAGNETIZED MATERIAL (9 OR MORE CARTRIDGES)  
HAZARD CLASS: 9  
UN ID NO.: UN 2807

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.

PREPARED BY: JOSEPH PALMERI  
TITLE: REGULATORY COMPLIANCE SPECIALIST  
TELEPHONE NO.: (516) 328-5600