

CanonMATERIAL SAFETY DATA SHEET

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Manufacturer: Canon Inc.
30-2, Shimomaruko 3-Chome, Ohta-ku
Tokyo, Japan
Phone: 03-758-2111

Distributor: Hewlett Packard Company
P.O. Box 15
Boise, Idaho 83707-0015
Phone: (208) 323-2987

Date of preparation: September 8, 1989

SECTION 1 IDENTIFICATION**PRODUCT NAME:** EP-S Cartridge HP 92295A

DESCRIPTION : An assembly for LBP-SX, composed of a photosensitive drum, black toner powder, a corona unit, a developer unit and a cleaner blade. The toner powder cannot be removed, until the cartridge is forced to be broken.

CANON ITEM NO: R64-0002-010SECTION 2 INGREDIENTS OF TONER

<u>Principal Components(CAS No.)</u>	<u>wtx</u>	<u>USA OSHA*</u>	<u>ACGIH**</u>	<u>DFG***</u>
Styrene acrylate copolymer	35-45	-	-	-
Iron oxide (1317-61-9)	30-40	-	-	-
Styrene copolymer	20-30	-	-	-

SECTION 3 PHYSICAL DATA OF TONER

BOILING POINT: Not available for solid mixtures.
MELTING POINT: 100 - 150° C
VAPOR PRESSURE (mmHg.): Negligible
VAPOR DENSITY (AIR=1): Not applicable
SOLUBILITY IN WATER : Negligible
SOLUBILITY IN ORGANIC SOLVENTS: Partially soluble in toluene and xylene.
SPECIFIC GRAVITY (H₂O=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.
APPEARANCE AND ODOR: Toner is fine powder, with slight plastic odor.

- * The column "OSHA" reveals PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration.
- ** The column "ACGIH" reveals TLV (Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.
- *** The column "DFG" reveals MAK (Maximale Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.

Canon**SECTION 7 SAFE USE OR HANDLING****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

No toner spillage occurs in normal operation or handling. If it should occur, avoid inhalation of the dust. Sweep material onto paper...or collect it.

WASTE DISPOSAL METHOD:

The waste toner could be considered as plastic waste. For incineration, package it adequately. Do not disperse the toner into fire. Disposal should be subject to federal, state or local laws.

SECTION 8 SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION:**

None required.

VENTILATION:

Good general ventilation should be sufficient.

PROTECTIVE GLOVES:

None required.

EYE PROTECTION:

None required.

OTHER PROTECTIVE EQUIPMENT:

None required.

SECTION 9 SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Keep out of reach of children.

Keep away from contact with oxidizing materials.

SECTION 10 USA INFORMATION**CHEMICALS REQUIRED TO REPORT UNDER SARA TITLE III, CERCLA:**

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

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 other process. And, it is based on the level of our knowledge as of the date of preparation.



BOISE DIVISION • 11311 Chinden Boulevard, Boise, Idaho 83714-1021, Telephone 208 323-6000, TWX 910 970 5784
Mail Address: Post Office Box 15, 83707-0015

COVER LETTER
for
Canon EP-S Cartridge
distributed as
Hewlett Packard 92295A

The Hewlett Packard 92295A (EP-S) cartridge, nor the contents of the cartridge, is NOT a hazardous item as described by any know 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 is not required for the toner cartridge described here, 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
92295A	EP-S Cartridge	LaserJet II (33440A & 33440AB)
		LaserJet IID (33447A & 33447AB)

November 21, 1989
MSDSCVR. BUD

