

Hewlett-Packard Company  
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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 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 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)
	<i>SC# 480</i>	LaserJet IID (33447A & 33447AB)
	<i>Toner Cartridge</i>	LaserJet III (33440A & 33440AB)
		LaserJet IIID (33447A & 33447AB)

November 21, 1989  
 MSDSCVR.BUD

R64-2001-010

SECTION 4 FIRE AND EXPLOSION HAZARD DATA OF TONER

FLASH POINT (Method used): No data available  
 IGNITION TEMPERATURE: No data available  
 FLAMMABILITY: Non-flammable solid (According to test method of USA 16 CFR 1500.44 and 84/449/EEC (Annex V) A.10.)  
 FLAMMABLE LIMITS: No data available  
 EXTINGUISHING MEDIA: CO<sub>2</sub>, water, dry chemicals  
 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 OF TONER

Toner powder is not accessible, until the cartridge is forced to be broken.

EXPOSURE LIMITS:

USA OSHA(TWA\*/PEL): 15 mg/m<sup>3</sup> (Total dust)  
 5 mg/m<sup>3</sup> (Respirable fraction)  
 ACGIH(TWA/TLV): 10 mg/m<sup>3</sup> (Total dust)  
 DFG(MAK): 8 mg/m<sup>3</sup> (Feinstaubkonzentration)  
 and see SECTION 2.

EFFECTS OF OVEREXPOSURE:

Inhalation : Toner is finely divided solid. Do not breathe the dust.

Eye contact : No specific hazard is known to Canon. However, any material that contacts the eye may be irritating.

Skin contact : Low hazard for industrial handling.

No data available for chronic effects of overexposure.

EMERGENCY AND FIRST AID PROCEDURES:

Eye contact : Flush with plenty of water.

Skin contact : Wash with soap and water.

TOXICITY DATA:

No data available

CARCINOGENICITY:

No carcinogen or potential carcinogen, according to IARC Monographs\*\*, NTP\*\*\*, OSHA(USA) regulation and EC Directive.

SECTION 6 REACTIVITY DATASTABILITY:

Stable

INCOMPATIBILITY OF TONER:

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.

HAZARDOUS POLYMERIZATION:

Will not occur.

\* The term "TWA" stands for Time Weighted Average.

\*\* The term "IARC" stands for International Agency for Research on Cancer.

\*\*\* The term "NTP" stands for National Toxicology Program (USA).

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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:

This product is constructed from plastics and metals. The waste toner could be considered as plastic waste. 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:

Amorphous silica(7631-86-9): 2 wt% (Maximum)

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.