



# Material Safety Data Sheet

## 1.0 Product and Company Identification

**Identification of the preparation**                      **HP LaserJet Cartridge C9731A**

**Company Identification**                                      Hewlett-Packard Company  
11311 Chinden Boulevard  
Boise, Idaho 83714  
United States

**Emergency telephone number**                              1-800-457-4209 (USA and Canada)  
**Hewlett-Packard Health Effects Line**                      Intl: +1-503-494-7199 (all other areas)  
Singapore: +001-800-332-13321

**General information telephone number**                      1-208-323-2551 (USA and Canada)  
Intl: +1-208-323-2551 (all other areas)

**Local Contact Information**                                      **Ireland**  
Liffey Park Technology Park  
Barnhall Road Leixlip, Co.  
Kildare, Ireland  
Phone: 01 6150000  
**United Kingdom**  
Hewlett-Packard, Ltd.  
Cain Road, Amen Corner  
Bracknell, Berkshire, RG12 1HN  
Phone: 1344 36-0000

Hazard Rating	US NFPA/HMIS
Health	1
Flammability	1
Instability/Reactivity	0
Special	N/A

## 2.0 Composition/Information on Ingredients

This product is a cyan toner preparation that is used in Hewlett-Packard Color LaserJet 5500 series printers.

Component/Substance	CAS Number	EU Number	% by Weight	Risk Phrases
Styrene Acrylate Copolymer	-	-	75 - 85	-
Wax	-	-	5 - 10	-
Copper Compound	-	-	1 - 5 (as Cu: 0.1-0.5)	-
Amorphous Silica	-	-	1-2	-



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## 3.0 Hazard Identification

The preparation is not classified according to EU Directive 1999/45/EC

**Routes of Exposure** Inhalation, Ingestion, skin and eyes.

### Acute Health Hazards

**Inhalation:** Respiratory tract irritation may occur with exposure to large amounts of dust.

**Ingestion:** Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.

**Skin:** Unlikely to cause skin irritation.

**Eyes:** May cause transient slight irritation.

**Chronic Health Hazards** Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.

**Carcinogenicity** Refer to section 11.

## 4.0 First Aid Measures

**Inhalation:** Move person to fresh air immediately. If symptoms occur, consult a physician.

**Ingestion:** Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician immediately.

**Skin:** Wash affected areas with soap and water. If irritation persists, consult a physician.

**Eyes:** Do not rub eyes. Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 5 minutes or until particles are removed. If irritation persists, consult a physician.

## 5.0 Fire Fighting Measures

**Extinguishing media** CO<sub>2</sub>, water, dry chemical

**Unsuitable Extinguishing Media** None

**Special Firefighting Procedures** None

**Unusual fire and explosion hazards** Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.

**Auto-ignition temperature** Not available

**Flashpoint (method)** Not applicable

**Hazardous Combustion Products** CO<sub>2</sub>, CO



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## 6.0 Accidental release measures

**Spill or leak procedures** Avoid breathing dust. Minimize the release of particles. Slowly sweep the material into a bag or other sealed container. Clean remainder with a damp cloth or vacuum cleaner. If a vacuum is used, the motor must be rated as dust explosion-proof. Fine powder can form explosive dust-air mixtures. Dispose of waste toner in accordance with local requirements.

**Environmental precautions** Do not discharge into drains (See also Section 13, Disposal Considerations).

## 7.0 Handling and Storage

**Advice on safe handling and protection against fire** Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.

**Requirements for storage rooms and advise on storage compatibility** Keep out of the reach of children. Keep container closed and store at room temperature. Keep away from strong oxidizers.

## 8.0 Exposure control/ personal protection

### Exposure Limit Values

**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> (Inhalable Particulate)

3 mg/m<sup>3</sup> (Respirable Particulate)

**TRGS 900 (Luftgrenzwert):** 10 mg/m<sup>3</sup> (Einatembare Partikel)

3 mg/m<sup>3</sup> (Alveolengängige Fraktion)

**Ingredients** USA OSHA (TWA/PEL), ACGIH (TWA/TLV)

**Amorphous Silica** 20 mppcf 80(mg/m<sup>3</sup>)/%SiO<sub>2</sub>, None established

### Exposure Controls

**Respiratory protection** Not required under intended use.

**Ventilation** Good general ventilation should be sufficient under intended use.

**Protective gloves** Not required under intended use.

**Eye protection** Not required under intended use.

**Other protective equipment** Not required under intended use.

## 9.0 Physical and chemical properties

**pH** Not applicable

**Boiling point** Not applicable

**Flash point** Not applicable

**Melting point** 100 - 150°C (Softening Point)



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<b>Flammability</b>	Non-flammable solid (according to test methods of EU Directive 92/69/EEC, A10 Flammability (Solids))
<b>Explosive properties</b>	Toner material, like most organic material in powder form, is capable of creating a dust explosion.
<b>Oxidizing properties</b>	No data available
<b>Vapor Pressure</b>	Not applicable
<b>Specific gravity (H<sub>2</sub>O=1)</b>	1.0 - 1.2
<b>Solubility in water</b>	Negligible
<b>Solubility in organic solvents</b>	Partially soluble in toluene and xylene.
<b>Partition coefficient</b>	Not applicable
<b>Viscosity</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Physical state</b>	Fine powder
<b>Color</b>	Cyan
<b>Odor</b>	Slight plastic odor
<b>Other</b>	Decomposition Temperature: >200 °C

## 10.0 Stability and reactivity

<b>Stability</b>	Stable under normal storage conditions
<b>Incompatibilities</b>	Strong oxidizers
<b>Hazardous decomposition products</b>	CO <sub>2</sub> , CO
<b>Hazardous polymerization</b>	Will not occur

## 11.0 Toxicological information

Refer to Section 3 for potential health effects and Section 4 for first aid measures

<b>Inhalation:</b>	LC <sub>50</sub> :inh-rat>5mg/L/4 hrs., not harmful.
<b>Ingestion:</b>	LD <sub>50</sub> :orl-rat>2000 mg/kg, not harmful.
<b>Eye Contact:</b>	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC.
<b>Skin Contact:</b>	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC.
<b>Chronic Toxicity:</b>	No data available.
<b>Sensitization:</b>	Not classified as a sensitizer according to EU Directive 67/548/EEC and OSHA HCS (US).
<b>Mutagenicity:</b>	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
<b>Carcinogenicity:</b>	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).



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**Reproductive Toxicity:** Not classified as toxic according to EU Directive 67/548/EEC, California Prop. 65, or DFG (Germany).

## 12.0 Ecological Information

No data available for ecological and wastewater treatment (sewage) systems. Avoid spills and dispose of in accordance with applicable laws and regulations.

## 13.0 Disposal considerations

Do not put toner or toner cartridge into fire; heated toner may cause severe burns. Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulation.

## 14.0 Transportation information

Not a regulated article under DOT, IATA, ADR, or RID

<b>UN Number</b>	None
<b>Class</b>	None
<b>Proper Shipping Name</b>	None
<b>Packing Group</b>	None
<b>Special Precautions</b>	None

## 15.0 Regulatory information

<b>US EPA TSCA Inventory</b>	All ingredients are listed on TSCA inventory
<b>US EPA TSCA 12(b)</b>	None
<b>US California Proposition 65</b>	None
<b>EU Notification</b>	All components in this product are compliant with EU Chemical Inventory regulations.
<b>EU Hazard Label (1999/45/EC):</b>	Product does not require a label under 1999/45/EC
<b>Special Precautions under 1999/45/EC, Annex V</b>	None
<b>USA Labeling</b>	
<b>Symbol</b>	Not required
<b>Hazard Warning</b>	Not required
<b>Safety Advice</b>	Not required
<b>Hazardous Component(s)</b>	None

## 16.0 Other information

**Date Prepared:** September 23, 2002  
**HP-DMS Document Control Number:**



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**Revision Information:** None

**EU Information** This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC and USA OSHA Hazard Communications regulations (29CFR1910:1200).

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