



# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Identification of the substance/preparation</b>	HP Color LaserJet CE413A-AC Magenta Print Cartridge		
<b>Use of the substance/preparation</b>	This product is a magenta toner preparation that is used in HP LaserJet Pro 300 color M351/ HP LaserJet Pro 400 color M451/ HP LaserJet Pro 300 color MFP M375/ HP LaserJet Pro 400 color MFP M475 series printers.		
<b>Version #</b>	01		
<b>Product Code</b>	CE413A-AC		
<b>Company identification</b>	Hewlett-Packard Colombia Carrera 7 No. 99-53. Edificio Corporativo BSCH calle 100 Torre Dos. Grupo Santander Central. Piso 7 al 12, Bogota, Colombia. Telephone (57) 1 639 0000		
<b>Manufacturer information</b>	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com		
	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199		

## 2. HAZARDS IDENTIFICATION

<b>GHS label elements</b>	
<b>Signal word</b>	None.
<b>Hazard symbols</b>	None.
<b>Physical hazards</b>	Not classified as a physical hazard.
<b>Health hazards</b>	Not classified as a health hazard.
<b>Environmental hazards</b>	Not classified as an environmental hazard.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent	EC-No.	Classification
Styrene acrylate copolymer	Trade Secret	<= 85		
Pigment	Trade Secret	<= 10		
Wax	Trade Secret	<= 10		
Amorphous silica	7631-86-9	<= 3	231-545-4	

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Move person to fresh air immediately. If irritation persists, consult a physician.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists, consult a physician.

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

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## 5. FIRE-FIGHTING MEASURES

**Flash point** Not applicable  
**Suitable extinguishing media** CO<sub>2</sub>, water, or dry chemical  
**Extinguishing media which must not be used for safety reasons** None known.  
**Unusual fire & explosion hazards** Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.  
**Fire fighting equipment/instructions** If fire occurs in the printer, treat as an electrical fire.  
**Specific methods** None established.  
**Hazardous combustion products** Carbon monoxide and carbon dioxide.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Minimize dust generation and accumulation.  
**Environmental precautions** Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

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## 7. HANDLING AND STORAGE

**Handling** Keep out of the reach of children. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.  
**Storage** Keep out of the reach of children. Keep tightly closed and dry. Store away from strong oxidizers. Store at room temperature.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits** No exposure limits noted for ingredient(s).  
**Biological limit values** No biological exposure limits noted for the ingredient(s).  
**Recommended monitoring procedures**  
**Additional exposure data** 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)  
Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m<sup>3</sup>)/%SiO<sub>2</sub>, ACGIH (TWA/TLV): 10 mg/m<sup>3</sup>  
TRGS 900 (Luftgrenzwert) - 10 mg/m<sup>3</sup> (Einatembare partikel), 3 mg/m<sup>3</sup> (Alveolengängige fraktion)  
UK WEL: 10 mg/m<sup>3</sup> (Respirable Dust), 5 mg/m<sup>3</sup> (Inhalable Dust)  
**Engineering measures to reduce exposure** Use in a well ventilated area.  
**Personal protective equipment**  
**Skin and body protection** Not available.  
**General** No personal respiratory protective equipment required under normal conditions of use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Fine powder  
**Physical state** Solid.  
**Color** Magenta  
**Odor** Slight plastic odor  
**pH** Not applicable  
**Melting point/Freezing point** Not available.  
**Boiling point, initial boiling point, and boiling range** Not applicable  
**Flash point** Not applicable

<b>Auto-ignition temperature</b>	Not applicable
<b>Flammability limit - lower (%)</b>	Not flammable
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Specific gravity</b>	1 - 1.2
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Negligible in water. Partially soluble in toluene and xylene.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	> 392 °F (> 200 °C)
<b>Viscosity</b>	Not applicable
<b>Softening point</b>	176 - 266 °F (80 - 130 °C)
<b>Other data</b>	
<b>Oxidizing properties</b>	No information available.
<b>Percent volatile</b>	0 % estimated

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## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	Imaging Drum: Exposure to light
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.
<b>Stability</b>	Stable under normal storage conditions.
<b>Materials to avoid</b>	Strong oxidizers
<b>Hazardous polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

<b>Skin corrosion/irritation</b>	Not available.
<b>Serious eye damage/eye irritation</b>	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
<b>Sensitization</b>	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
<b>Respiratory or skin sensitization</b>	
<b>Skin sensitization</b>	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
<b>Respiratory sensitization</b>	Not available.
<b>Carcinogenicity</b>	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).
<b>Germ cell mutagenicity</b>	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
<b>Toxic to reproduction</b>	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).
<b>Aspiration hazard</b>	Not available.
<b>Other information</b>	Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.

### Toxicological data

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Amorphous silica (CAS 7631-86-9)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicological data

Product	Species	Test Results
CE413A-AC		
<b>Aquatic</b>		
Fish	LC50	Fish > 100 mg/l, 96 Hours
<b>Ecotoxicity</b>	LC50: > 100 mg/l, Fish, 96.00 Hours	
<b>Environmental effects</b>	Not available.	
<b>Persistence / degradability</b>	Not available.	
<b>Bioaccumulation</b>	Not available.	
<b>Aquatic toxicity</b>	Not available.	
<b>Mobility</b>	Not available.	
<b>Other adverse effects</b>	This product has not been tested for ecological effects.	

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## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</b>	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 regulations.  HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> .
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## 14. TRANSPORT INFORMATION

<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	This substance/mixture is not intended to be transported in bulk.
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## 15. REGULATORY INFORMATION

<b>Labeling</b>	
<b>R-phrases(s)</b>	None.
<b>S-phrases(s)</b>	None.
<b>Regulatory information</b>	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.
<b>Kyoto protocol</b>	Not applicable.
<b>Montreal Protocol</b>	Not applicable.
<b>Rotterdam Convention</b>	Not applicable.
<b>Stockholm Convention</b>	Not applicable.

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## 16. OTHER INFORMATION

<b>Disclaimer</b>	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
<b>Issue date</b>	19-Sep-2014
<b>This data sheet contains changes from the previous version in section(s):</b>	Product and Company Identification: Physical States Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity

**Manufacturer information**

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**Explanation of abbreviations**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-Term Exposure Limit
<b>TCLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds