



# Safety Data Sheet

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

<b>Identification of the substance/preparation</b>	HP Color LaserJet CB381A Cyan Print Cartridge
<b>Use of the preparation</b>	This product is a cyan toner preparation that is used in HP Color LaserJet CP6015 and CM6040 MFP series printers.
<b>Revision date</b>	04-10-2009
<b>Company identification</b>	Hewlett-Packard, Ltd. Cain Road, Amen Corner Bracknell, Berkshire, RG12 1HN Telephone 1 344 36-0000  Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomerinquiries@hp.com Poison Information Center 0207771 5307

## 2. HAZARDS IDENTIFICATION

<b>Acute health effects</b>	
<b>Skin contact</b>	Unlikely to cause skin irritation.
<b>Eye contact</b>	May cause transient slight irritation.
<b>Inhalation</b>	Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust. Use of this product as intended does not result in inhalation of excessive amounts of dust.
<b>Ingestion</b>	Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation  Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.
<b>Chronic health effects</b>	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.
<b>Carcinogenicity</b>	None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
<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.
<b>Other information</b>	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.  This preparation contains no component classified as Persistent, Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) as defined under Regulation (EC) 1907/2006.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	EU number	EU classification
Styrene acrylate copolymer	Trade secret	< 85		
Wax	Trade secret	< 15		
Copper compound	Trade secret	< 5		
Amorphous silica	7631-86-9	< 2	231-545-4	



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## 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.
<b>Ingestion</b>	Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

## 5. FIRE-FIGHTING MEASURES

<b>Flash point and method</b>	Not applicable
<b>Fire fighting equipment/instructions</b>	If fire occurs in the printer, treat as an electrical fire.
<b>Suitable extinguishing media</b>	CO2, water, or dry chemical
<b>Extinguishing media which must not be used for safety reasons</b>	None known.
<b>Unusual fire &amp; explosion hazards</b>	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.
<b>Specific methods</b>	None established.

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

<b>Handling</b>	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.
<b>Storage</b>	Keep out of the reach of children. Keep tightly closed and dry. Store away from strong oxidizers. Store at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### Belgium

Components	Type	Value
Amorphous silica (7631-86-9)	TWA	10 mg/m3

#### Germany

Components	Type	Value	Form
Amorphous silica (7631-86-9)	AGW	4 mg/m3	Inhalable fraction.

#### Spain

Components	Type	Value
Amorphous silica (7631-86-9)	TWA	10 mg/m3



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## 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)

## Personal protective equipment

### 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	Not available.
Form	solid
Color	Cyan
Odor	Slight plastic odor
Odour threshold	Not available.
pH	Not applicable
Boiling point	Not applicable
Flash point	Not applicable
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not flammable
Vapor pressure	Not applicable
Relative density	Not available.
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Viscosity	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Melting point	Not available.
Freezing point	Not available.
Auto-ignition temperature	Not applicable
Specific gravity	1 - 1.2 (H <sub>2</sub> O = 1)
Softening point	100 - 150 °C (212 - 302 °F)

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## 10. STABILITY AND REACTIVITY

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



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## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation toxicity</b>	No information available.  Not classified for acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.
<b>Oral toxicity</b>	LD50/oral/rat >2000mg/kg; (OECD 401); Not harmful.. Not classified for acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.
<b>Eye irritation</b>	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
<b>Chronic toxicity</b>	No information available.
<b>Sensitization</b>	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
<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>Mutagenicity</b>	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
<b>Reproductivity</b>	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).
<b>Further information</b>	Complete toxicity data are not available for this specific formulation. Refer to Section 3 for potential health effects and Section 4 for first aide measures.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	96.00 Hours, LL50 > 100 mg/l, rainbow trout
<b>Other adverse effects</b>	This product has not been tested for ecological effects.

## 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>General</b>	Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.
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## 15. REGULATORY INFORMATION

<b>International regulations</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>Labeling</b>	
<b>Contains</b>	Amorphous silica, Copper compound, Styrene acrylate copolymer, Wax

## 16. OTHER INFORMATION

<b>Manufacturer information</b>	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209
<b>Other information</b>	This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.



# Safety Data Sheet

**Disclaimer**

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**Issue date**

04-10-2009

**This data sheet contains changes from the previous version in section(s):**

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING: Use of the preparation  
HAZARDS IDENTIFICATION: Other information

**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