

1. Identification

Product identifier	HP Color LaserJet CB380A-AC-YC Black Print Cartridge	
Other means of identification	Not available.	
Recommended use	This product is a black toner preparation that is used in HP Color LaserJet CP6015 series printers	
Recommended restrictions	None known.	
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020	
	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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.
Supplemental information	This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Wax	Wax	Trade Secret	<15
Carbon black		1333-86-4	<6
Amorphous silica	Amorphous silica	7631-86-9	<2

4. First-aid measures

Inhalation

Move person to fresh air immediately. If irritation persists, consult a physician.

Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

Suitable extinguishing media Unsuitable extinguishing media	CO2, water, or dry chemical None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

7. Handling and storage

Precautions for safe 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.
Conditions for safe storage, including any incompatibilities	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

Components	Туре	Value	
Black toner (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold I	imit Values		
Components	Туре	Value	Form
Black toner (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Gu	ide to Chemical Hazards		
Components	Туре	Value	
Black toner (CAS 7631-86-9)	TWA	6 mg/m3	
Black toner (CAS 1333-86-4)	TWA	0.1 mg/m3	
ogical limit values	No biological exposure limits noted for the ingredient(s).		

Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)	
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)	
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3	
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measures, such as personal protective equipment		
Eye/face protection	Not available.	
China must a stilan		
Skin protection		
Hand protection	Not available.	
•	Not available. Not available.	
Hand protection		

9. Physical and chemical properties

Thermal hazards

Not available.

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Appearance	Fine powder
Physical state	Solid.
Color	Not available.
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	-
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available.
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	212 - 302 °F (100 - 150 °C) 212 - 302 °F (100 - 150 °C)

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

11. I OXICOlOGICAI Informa				
Symptoms related to the physical, chemical and toxicological characteristics	Not available.			
Information on toxicological e	ffects			
Acute toxicity				
Skin corrosion/irritation	Not available.			
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.			
Respiratory or skin sensitization	n			
Respiratory sensitization	Not available.	Not available.		
Skin sensitization	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.			
Germ cell mutagenicity	Negative, does not indicate mutagenic pol	ential (Ames Test: Salmonella typhimurium)		
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.			
IARC Monographs. Overall	Evaluation of Carcinogenicity			
Carbon black (CAS 1333-				
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).			
Specific target organ toxicity - single exposure	Not available.			
Specific target organ toxicity - repeated exposure	Not available.			
Aspiration hazard	Not available.			
Chronic effects	No information available.			
Further information	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.			
Components	Species	Test Results		
Amorphous silica (CAS 7631-86-9)				
Acute				
Oral				
LD50	Mouse	> 15000 mg/kg		
	Rat	> 22500 mg/kg		
Carbon black (CAS 1333-86-4)				
Acute				
Oral				
LD50	Rat	> 8000 mg/kg		

Ecotoxicity	on		
Product		Species	Test Results
Black toner			
Aquatic			
Fish	LL50	Rainbow Trout	>= 1000 mg/l, 96 Hours
Persistence and degradability	Not available		
Bioaccumulative potential	Not available.		
Mobility in soil	Not available.		
Other adverse effects	Not available.		
13. Disposal considerati	ons		
Disposal instructions		ticles may form explosive m	explosion prevention measures are taken. Finely ixtures in air. Dispose of in compliance with federal, state,
	HP original in		recycling program enables simple, convenient recycling of For more information and to determine if this service is p://www.hp.com/recycle.
14. Transport information	on		
Further information	Not a danger	ous good under DOT, IATA,	ADR, IMDG, or RID.
15. Regulatory informat	ion		
US federal regulations		Inventory: All chemical sub	ostances in this product comply with all rules or orders
SARA 304 Emergency rele Not regulated.			
OSHA Specifically Regulat	ed Substance	S (29 CFK 1910.1001-10:	50)
Not listed.			50)
		on Act of 1986 (SARA) azard - No Ird - No No ard - No	50)
Not listed. Superfund Amendments and I	Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Ha	on Act of 1986 (SARA) azard - No Ird - No No ard - No zard - No	50)
Not listed. Superfund Amendments and I Hazard categories	Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Ha	on Act of 1986 (SARA) azard - No Ird - No No ard - No zard - No	50)
Not listed. Superfund Amendments and I Hazard categories SARA 302 Extremely haza	Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Ha	on Act of 1986 (SARA) azard - No Ird - No No ard - No zard - No	50)
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Not listed. Superfund Amendments and H Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312	Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Hazar Reactivity Ha ardous substar	on Act of 1986 (SARA) azard - No ard - No No ard - No zard - No ace	50)
Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA)	Reauthorizatio Immediate Ha Delayed Hazard - Pressure Haz Reactivity Ha Indous substar	on Act of 1986 (SARA) azard - No ard - No No ard - No zard - No ace	50)
Not listed. Superfund Amendments and Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA)	Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha Indous substar No No	n Act of 1986 (SARA) azard - No Ird - No No ard - No zard - No hce	50)
Not listed. Superfund Amendments and H Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333-	Reauthorizatio Immediate Ha Delayed Hazard - Pressure Hazard - Pressure Hazard - Reactivity Ha No No Not regulated Substance List 86-4)	azard - No azard - No No ard - No zard - No zard - No ace	50)
Not listed. Superfund Amendments and I Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333- US. New Jersey Worker an Carbon black (CAS 1333-	Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Hazard Reactivity Ha Indous substar No Not regulated Substance List 86-4) Ind Community 86-4)	n Act of 1986 (SARA) azard - No Ird - No ard - No ard - No ard - No arce	50)
Not listed. Superfund Amendments and H Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333- US. New Jersey Worker an Carbon black (CAS 1333- US. Pennsylvania Worker	Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha Indous substar No Not regulated Substance List -86-4) nd Community -86-4) and Communi	n Act of 1986 (SARA) azard - No Ird - No ard - No ard - No ard - No arce	50)
Not listed. Superfund Amendments and I Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333- US. New Jersey Worker an Carbon black (CAS 1333-	Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha Indous substar No Not regulated Substance List -86-4) nd Community -86-4) and Communi	n Act of 1986 (SARA) azard - No Ird - No ard - No ard - No ard - No arce	50)

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date Revision date Version #	16-Apr-2015 14-May-2015 02
Disclaimer	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.
Revision Information	Hazard(s) identification: Supplemental information Regulatory Information: United States
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

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



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Τ.	Identification
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Product identifier	HP Color LaserJet CB390A-AC-YC Black Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a black toner preparation that is used in HP Color LaserJet CM6030 MFP and CM6040 MFP series printers.
Recommended restrictions	None known.
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020
	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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.
Supplemental information	This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

3. Composition/information on ingredients

Mixtures

Inhalation

	%	
Trade Secret	<85	
Trade Secret	<15	
1333-86-4	<6	
silica 7631-86-9	<2	
s	Trade Secret 1333-86-4	

4. First-aid measures

Move person to fresh air immediately. If irritation persists, consult a physician.

Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

Suitable extinguishing media Unsuitable extinguishing media	CO2, water, or dry chemical None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

7. Handling and storage

Precautions for safe 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.
Conditions for safe storage, including any incompatibilities	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

Components	Туре	Value		
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	3.5 mg/m3	
US. ACGIH Threshold Li	mit Values			
Components	Туре	Value	Form	
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.	
US. NIOSH: Pocket Guid	le to Chemical Hazards			
Components	Туре	Value		
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3		
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3		
ogical limit values	No biological exposure limits noted for the ingredient(s).			

Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)	
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)	
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3	
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measure	s, such as personal protective equipment	
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
Respiratory protection	Not available.	
Thermal hazards	Not available.	

9. Physical and chemical properties

Appearance	Fine powder	
Physical state	Solid.	
Color	Black.	
Odor	Slight plastic odor	
Odor threshold	Not available.	
рН	Not applicable	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not applicable	
Flash point	Not applicable	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Not available.	
Upper/lower flammability or e	-	
Flammability limit - lower (%)	Not flammable	
Flammability limit - upper (%)	Not available.	
Explosive limit - lower (%)	Not available.	
Explosive limit - upper (%)	Not available.	
Vapor pressure	Not applicable	
Solubility(ies)		
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.	
Partition coefficient (n-octanol/water)	Not available.	
Auto-ignition temperature	Not applicable	
Decomposition temperature	Not available.	
Viscosity	Not applicable	
Other information		
Percent volatile	0 % estimated	
Softening point	212 - 302 °F (100 - 150 °C) 212 - 302 °F (100 - 150 °C)	

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
Information on toxicological e	ffects		
Acute toxicity			
Skin corrosion/irritation	Not available.		
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Ha Directive 67/548/EEC and as amended.	azard Communication Standard (HCS) and EU	
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, according to OSHA Ha Directive 67/548/EEC and as amended.	azard Communication Standard (HCS) and EU	
Germ cell mutagenicity	Negative, does not indicate mutagenic potenti	al (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		
IARC Monographs. Overall	Evaluation of Carcinogenicity		
Carbon black (CAS 1333-	86-4) 2B Possibly car	rcinogenic to humans.	
Reproductive toxicity	Not classified as toxic according to EU Directiv and DFG (Germany).	e 67/548/EEC and as amended, California Prop. 65,	
Specific target organ toxicity - single exposure	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Aspiration hazard	Not available.		
Chronic effects	No information available.		
Further information	Complete toxicity data are not available for thi Refer to Section 2 for potential health effects a		
Components	Species	Test Results	
Amorphous silica (CAS 7631-86-9)			
Acute			
Oral			
LD50	Mouse	> 15000 mg/kg	
	Rat	> 22500 mg/kg	
Carbon black (CAS 1333-86-4)			
Acute			
Oral			
LD50	Rat	> 8000 mg/kg	

Product Species Test Results CB300-AC-YC Aquatic Fish LL50 Rainbow Trout > 1000 mg/l, 96 Hours Persistence and degradability Not available. Not available. Not available. Bioaccumulative potential Not available. Not available. Not available. J. Disposal considerations 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, and local regulations. HP Shanet Partners (trademark) supplies recycling program enables simple, convenient recycle HP original insiget and Laser at supplies. For more information and to determine if this servic available in vour location, please wish thtp://www.hpccom/recycle. 14. Transport information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID. 15. Regulatory information US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. US federal regulations US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. TGCA Ascrinton Substance List (40 CFR 302.4) Not island. Not island. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate hazard - No Hersaurd - No Heresaurd - No Hersaurd - No	12. Ecological information	n		
CB390A-AC-YC Aquatic Fish LL50 Persistence and degradability Not available. Bloaccumulative potential Not available. Other adverse effects Not available. Other adverse effects Not available. Disposal instructions 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, and local regulations. HPS Planet Partners (trademark) supplies recycling program enables simple, convenient recyc available in your location, please visit http://www.hp.com/recycle. 14. Transport information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID. US Regulatory information US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. SARA 304 Emergency release notification Not regulated. Immediate Hazard - No Pressure Hazard - No Pres	Ecotoxicity		6	Test Descrite
Aquatic > 1000 mg/l, 96 Hours Fish LIS0 Rainbow Trout > 1000 mg/l, 96 Hours Persistence and degradability Not available. Not available. Bioaccumulative potential Not available. Not available. Other adverse effects Not available. Not available. 13. Disposal considerations: Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may from explosive mixtures in air. Dispose of in compliance with federal, and local regulations. HPS Planet Partners (trademark) supplies. recycling program enables simple, convenient recycling available in your location, please visit http://www.hp.com/recycle. 14. Transport information Not adingerous good under DOT, IATA, ADR, IMDG, or RID. 15. Regulations US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. 15. Regulations US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. 16. Kegulated. US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. 16. Kegulated. US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. 17. Kegulated. US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. <tr< th=""><th></th><th></th><th>Species</th><th>lest Results</th></tr<>			Species	lest Results
Fish LL50 Rainbow Trout > 1000 mg/l, 96 Hours Persistence and degradability Bioaccumulative potential Not available. Not available. Mobility in soil Not available. Not available. Standard State Procession Do not sheed toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations. HP's Plane Partners (trademark) supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle. 14. Transport information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID. 15. Regulatory information US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. 15. Regulatory information US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orde under TSCA. 16. Regulated. US FRA 302 Emergency release notification Not regulated. 0SHA 304 Emergency release notification Not available tazard - No Pressure Hazard - No P				
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US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date Revision date Version #	16-Apr-2015 14-May-2015 02
Disclaimer	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.
Revision Information	Hazard(s) identification: Supplemental information Regulatory Information: United States
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

American Conference of Governmental Industrial Hygienists
Chemical Abstracts Service
Comprehensive Environmental Response Compensation and Liability Act
Code of Federal Regulations
Cleveland Open Cup
Department of Transportation
Emergency Planning and Community Right-to-Know Act (aka SARA)
International Agency for Research on Cancer
National Institute for Occupational Safety and Health
National Toxicology Program
Occupational Safety and Health Administration
Permissible Exposure Limit
Resource Conservation and Recovery Act
Recommended
Recommended Exposure Limit
Superfund Amendments and Reauthorization Act of 1986
Short-Term Exposure Limit
Toxicity Characteristics Leaching Procedure
Threshold Limit Value
Toxic Substances Control Act
Volatile Organic Compounds



1. Identification

Product identifier	HP Color LaserJet CC530A-AC-AD-L Black Print Cartridge
FIGURE REPUBLIC	The Color Laserset CCSSOA-AC-AD-L black minit califilitye
Other means of identification	Not available.
Recommended use	This product is a black toner preparation that is used in HP Color LaserJet CP2025 and CM2320 series printers.
Recommended restrictions	None known.
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020 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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.
Supplemental information	This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

3. Composition/information on ingredients

Mixtures

Inhalation

nemical name	Common name and synonyms	CAS number	%
yrene acrylate copolymer		Trade Secret	<85
ax	Wax	Trade Secret	<10
rbon black		1333-86-4	<6
norphous silica	Amorphous silica	7631-86-9	<2
norphous silica	Amorphous silica		7631-86-9

4. First-aid measures

Move person to fresh air immediately. If irritation persists, consult a physician.

Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

Suitable extinguishing media Unsuitable extinguishing media	CO2, water, or dry chemical None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

7. Handling and storage

Precautions for safe 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.
Conditions for safe storage, including any incompatibilities	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

Components	Туре	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Li	mit Values		
Components	Туре	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guid	le to Chemical Hazards		
Components	Туре	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	
ogical limit values	No biological exposure limits noted for the ingredient(s).		

Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)	
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)	
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3	
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measure	s, such as personal protective equipment	
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
Respiratory protection	Not available.	
Thermal hazards	Not available.	

9. Physical and chemical properties

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Appearance	Fine powder		
Physical state	Solid.		
Color	Black.		
Odor	Slight plastic odor		
Odor threshold	Not available.		
рН	Not applicable		
Melting point/freezing point	Not available.		
Initial boiling point and boiling range	Not applicable		
Flash point	Not applicable		
Evaporation rate	Not applicable		
Flammability (solid, gas)	Not available.		
Upper/lower flammability or e	•		
Flammability limit - lower (%)	Not flammable		
Flammability limit - upper (%)	Not available.		
Explosive limit - lower (%)	Not available.		
Explosive limit - upper (%)	Not available.		
Vapor pressure	Not applicable		
Solubility(ies)			
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.		
Partition coefficient (n-octanol/water)	Not available.		
Auto-ignition temperature	Not applicable		
Decomposition temperature	>= 392 °F (>= 200 °C)		
Viscosity	Not applicable		
Other information			
Percent volatile	0 % estimated		
Softening point	176 - 266 °F (80 - 130 °C)		
Specific gravity	1 - 1.2		

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
Information on toxicological e	ffects		
Acute toxicity			
Skin corrosion/irritation	Not available.		
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.		
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, according to OSHA Ha Directive 67/548/EEC and as amended.	azard Communication Standard (HCS) and EU	
Germ cell mutagenicity	Negative, does not indicate mutagenic potenti	al (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		
IARC Monographs. Overall	Evaluation of Carcinogenicity		
Carbon black (CAS 1333-	86-4) 2B Possibly car	rcinogenic to humans.	
Reproductive toxicity	Not classified as toxic according to EU Directiv and DFG (Germany).	e 67/548/EEC and as amended, California Prop. 65,	
Specific target organ toxicity - single exposure	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Aspiration hazard	Not available.		
Chronic effects	No information available.		
Further information	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.		
Components	Species	Test Results	
Amorphous silica (CAS 7631-86-9)			
Acute			
Oral			
LD50	Mouse	> 15000 mg/kg	
	Rat	> 22500 mg/kg	
Carbon black (CAS 1333-86-4)			
Acute			
Oral			
LD50	Rat	> 8000 mg/kg	

12. Ecological information	on		
Ecotoxicity			
Product	S	pecies	Test Results
CC530A-AC-AD-L			
Aquatic			
Fish	LL50 F	ish	> 1000 mg/l, 96 Hours
Persistence and degradability	Not available.		
Bioaccumulative potential	Not available.		
Mobility in soil	Not available.		
Other adverse effects	Not available.		
13. Disposal considerati	ons		
Disposal instructions		es may form explosiv	dust-explosion prevention measures are taken. Finely /e mixtures in air. Dispose of in compliance with federal, state,
	HP original inkjet	and LaserJet suppli	plies recycling program enables simple, convenient recycling o es. For more information and to determine if this service is http://www.hp.com/recycle.
14. Transport information	on		
Further information	Not a dangerous	good under DOT, IA	TA, ADR, IMDG, or RID.
15. Regulatory informat	ion		
US federal regulations	US EPA TSCA Inv under TSCA.	ventory: All chemica	l substances in this product comply with all rules or orders
CERCLA Hazardous Substand Not listed. SARA 304 Emergency relevant Not regulated. OSHA Specifically Regulat Not listed.	ase notification		-1050)
Superfund Amendments and F	Reauthorization A	Act of 1986 (SARA	
Hazard categories	Immediate Hazar Delayed Hazard - Fire Hazard - No Pressure Hazard Reactivity Hazard	rd - No - No - No	
SARA 302 Extremely haza	•		
Not listed.			
SARA 311/312 Hazardous chemical	No		
Other federal regulations			
Safe Drinking Water Act (SDWA)	Not regulated.		
US state regulations			
US. Massachusetts RTK - S	Substance List		
Carbon black (CAS 1333- US. New Jersey Worker ar	,	ght-to-Know Act	
Carbon black (CAS 1333-	86-4)	-	
US. Pennsylvania Worker Carbon black (CAS 1333-	-	Right-to-Know Lav	N
US. Rhode Island RTK	/		
Not regulated.			

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date Revision date	13-Mar-2015 14-May-2015
Version #	02
Disclaimer	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.
Revision Information	Hazard(s) identification: Supplemental information Regulatory Information: United States
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

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



1. Identification	
Product identifier	HP Color LaserJet CE410A-X-XC-XD-L Black Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a black toner preparation that is used in HP LaserJet Pro 300 color M351/ HF LaserJet Pro 400 color M451/ HP LaserJet Pro 300 color MFP M375/ HP LaserJet Pro 400 color MFP M475 series printers.
Recommended restrictions	None known.
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020
	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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.
Supplemental information	This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Carbon black		1333-86-4	<10
Wax	Wax	Trade Secret	<10
Amorphous silica	Amorphous silica	7631-86-9	<3

4. First-aid measures	
Inhalation	Move person to fresh air immediately. If irritation persists, consult a physician.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

5	
Suitable extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.
6. Accidental release mea	asures
Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
7. Handling and storage	
Precautions for safe 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.

Conditions for safe storage,
including any
incompatibilitiesKeep 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

US. OSHA Table Z-1 Limits for Components	Air Contaminants (29 CFR 1910.1000) Type	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Limit Va Components	lues Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to C Components	hemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	

Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measure	s, such as personal protective equipment
Eye/face protection	Not available.
Skin protection	
Hand protection	Not available.
Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
9. Physical and chemical	properties
Appearance	Fine powder
Physical state	Solid.
Color	Black.
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	xplosive limits
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.

Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	> 392 °F (> 200 °C)
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	176 - 266 °F (80 - 130 °C)

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
Information on toxicological e	ffects		
Acute toxicity			
Skin corrosion/irritation	Not available.		
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Co Directive 67/548/EEC and as amended.	mmunication Standard (HCS) and EU	
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, according to OSHA Hazard Co Directive 67/548/EEC and as amended.	mmunication Standard (HCS) and EU	
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)		
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		
IARC Monographs. Overall	Evaluation of Carcinogenicity		
Carbon black (CAS 1333-	B6-4) 2B Possibly carcinogen	c to humans.	
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548 and DFG (Germany).	E/EEC and as amended, California Prop. 65,	
Specific target organ toxicity - single exposure	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Aspiration hazard	Not available.		
Chronic effects	No information available.		
Further information	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.		
Components	Species	Test Results	
Amorphous silica (CAS 7631-86-9)			
Acute			
Oral			
LD50	Mouse	> 15000 mg/kg	
	Rat	> 22500 mg/kg	
Carbon black (CAS 1333-86-4)			
Acute			
Oral			
LD50	Rat	> 8000 mg/kg	

12. Ecological information	on			
Ecotoxicity				
Product		Species	Test Results	
CE410A-X-XC-XD-L				
Aquatic	1.050			
Fish	LC50	Fish	> 100 mg/l, 96 Hours	
Persistence and degradability	Not available	e.		
Bioaccumulative potential	Not available	e.		
Mobility in soil	Not available	e.		
Other adverse effects	Not available	е.		
13. Disposal considerati	ons			
Disposal instructions Do not shred toner cartridge, unless dust-explosion prevention measures are tak dispersed particles may form explosive mixtures in air. Dispose of in compliance and local regulations.				
HP's Planet Partners (trademark) supplies recycling program enables simple, convenient HP original inkjet and LaserJet supplies. For more information and to determine if this s available in your location, please visit http://www.hp.com/recycle.				
14. Transport information	n			
Further information	Not a dange	erous good under DOT	, IATA, ADR, IMDG, or RID.	
15. Regulatory informat	ion			
US federal regulations	US EPA TSC under TSCA		ical substances in this product comply with all rules or orders	
CERCLA Hazardous Substand Not listed. SARA 304 Emergency relevent Not regulated. OSHA Specifically Regulat Not listed.	ase notificat	ion	01-1050)	
Superfund Amendments and F	Reauthorizati	ion Act of 1986 (SAI	RA)	
Hazard categories	Immediate H Delayed Haz Fire Hazard Pressure Ha Reactivity H	zard - No - No zard - No		
SARA 302 Extremely haza	-			
Not listed.				
SARA 311/312 Hazardous chemical	No			
Other federal regulations				
Safe Drinking Water Act (SDWA)	Not regulate	ed.		
US state regulations				
US. Massachusetts RTK - S	Substance Lis	st		
Carbon black (CAS 1333- US. New Jersey Worker ar		y Right-to-Know Ac	t	
Carbon black (CAS 1333-	·86-4)			
US. Pennsylvania Worker Carbon black (CAS 1333-		nity Right-to-Know I	Law	
US. Rhode Island RTK	00 1			
Not regulated.				

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date Revision date Version #	02-Dec-2014 14-May-2015 03
Disclaimer	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.
Revision Information	Hazard(s) identification: Supplemental information Regulatory Information: United States
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

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



1 Idontitication	
1. Identification	

Product identifier	HP Color LaserJet CF350A Black Print Cartridge	
Other means of identification	Not available.	
Recommended use	This product is a black toner preparation that is used in HP Color LaserJet Pro MFP M176/ HP Color LaserJet Pro MFP M177 series printers.	
Recommended restrictions	None known.	
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020 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	

2. Hazard(s) identification

Not classified.
Not classified.
Not classified.
Not classified.
None.
None.
Not available.
Not available.
Not available.
Not available.
Not available.
Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.
This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Carbon black		1333-86-4	<10
Wax	Wax	Trade Secret	<10
Amorphous silica	Amorphous silica	7631-86-9	<3

4. First-aid measures

Move person to fresh air immediately. If irritation persists, consult a physician.

Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

Suitable extinguishing media Unsuitable extinguishing media	CO2, water, or dry chemical None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.	
Methods and materials for containment and cleaning up	Not available.	
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.	

7. Handling and storage

Precautions for safe 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.
Conditions for safe storage, including any incompatibilities	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

Components	Туре	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Li	mit Values		
Components	Туре	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guid	le to Chemical Hazards		
Components	Туре	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	
ogical limit values	No biological exposure limits noted for the ingredient(s).		

Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)	
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)	
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3	
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measure	s, such as personal protective equipment	
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
Respiratory protection	Not available.	
Thermal hazards	Not available.	

9. Physical and chemical properties

Appearance	Fine powder
Physical state	Solid.
Color	Black.
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	> 392 °F (> 200 °C)
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	176 - 266 °F (80 - 130 °C)

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

11. Toxicological informa	ation		
Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
Information on toxicological e	ffects		
Acute toxicity			
Skin corrosion/irritation	Not available.		
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.		
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.		
Germ cell mutagenicity	Negative, does not indicate n	nutagenic potential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		
IARC Monographs. Overall	Evaluation of Carcinogenic	ity	
Amorphous silica (CAS 76 Carbon black (CAS 1333-8	7631-86-9)3 Not classifiable as to carcinogenicity to humans.		
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).		
Specific target organ toxicity - single exposure	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Aspiration hazard	Not available.		
Chronic effects	No information available.		
Further information	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.		
Components	Species	Test Results	
Amorphous silica (CAS 7631-86-9)			
Acute			
Oral			
LD50	Mouse	> 15000 mg/kg	
	Rat	> 22500 mg/kg	
Carbon black (CAS 1333-86-4)			
Acute			
Oral			
LD50	Rat	> 8000 mg/kg	

Ecotoxicity Product			
		Species	Test Results
CF350A			
Aquatic			
Fish	LC50	Fish	> 100 mg/l, 96 Hours
Persistence and degradability	Not available		
Bioaccumulative potential	Not available		
Mobility in soil	Not available		
Other adverse effects	Not available		
13. Disposal consideration	ons		
Disposal instructions	Do not shred	rticles may form explosi	dust-explosion prevention measures are taken. Finely ve mixtures in air. Dispose of in compliance with federal, state,
	HP original in	kjet and LaserJet suppl	oplies recycling program enables simple, convenient recycling o ies. For more information and to determine if this service is t http://www.hp.com/recycle.
14. Transport information	on 🛛		
Further information	Not a danger	ous good under DOT, I	ATA, ADR, IMDG, or RID.
15. Regulatory informat	ion		
US federal regulations	US EPA TSCA under TSCA.	Inventory: All chemic	al substances in this product comply with all rules or orders
Not listed. SARA 304 Emergency rele Not regulated.	ase notificatio		
OSHA Specifically Regulat Not listed.	ted Substance	s (29 CFR 1910.1001	-1050)
OSHA Specifically Regulat Not listed.		-	
OSHA Specifically Regulat	Reauthorizatic Immediate H Delayed Haza Fire Hazard - Pressure Haz	on Act of 1986 (SARA azard - No ard - No No ard - No	
OSHA Specifically Regulat Not listed. Superfund Amendments and F	Reauthorizatic Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha	on Act of 1986 (SARA azard - No ard - No No ard - No zard - No	
OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories	Reauthorizatic Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha	on Act of 1986 (SARA azard - No ard - No No ard - No zard - No	
OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza	Reauthorizatic Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha	on Act of 1986 (SARA azard - No ard - No No ard - No zard - No	
OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act	Reauthorizatic Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha ardous substar	on Act of 1986 (SARA azard - No ard - No No ard - No zard - No nce	
OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA)	Reauthorizatio Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha ardous substar	on Act of 1986 (SARA azard - No ard - No No ard - No zard - No nce	
OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA)	Reauthorizatic Immediate H Delayed Hazz Fire Hazard - Pressure Haz Reactivity Ha ardous substar No No	on Act of 1986 (SARA azard - No ard - No ard - No zard - No nce	
OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Amorphous silica (CAS 76	Reauthorizatic Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha ardous substan No Not regulated Substance List 631-86-9)	on Act of 1986 (SARA azard - No ard - No ard - No zard - No nce	
OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S	Reauthorizatic Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha ardous substan No Not regulated Substance List 631-86-9) -86-4)	on Act of 1986 (SARA azard - No ard - No ard - No zard - No nce	
OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Amorphous silica (CAS 70 Carbon black (CAS 1333-	Reauthorizatic Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha ardous substan No Not regulated Substance List 631-86-9) -86-4) nd Community -86-4)	on Act of 1986 (SARA azard - No ard - No ard - No zard - No nce d.	· · · · · · · · · · · · · · · · · · ·

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

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Regulatory information
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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.

16. Other information, including date of preparation or last revision

Issue date Revision date Version #	16-Apr-2015 14-May-2015 02
Disclaimer	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.
Revision Information	Hazard(s) identification: Supplemental information Regulatory Information: United States
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

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



1. Identification

Product identifier	HP Color LaserJet CB400A Black Print Cartridge		
Other means of identification	Not available.		
Recommended use	This product is a black toner preparation that is used in HP Color LaserJet CP4005 series printers		
Recommended restrictions	None known.		
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020		
	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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name Common name and synonyms		CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Wax	Wax	Trade Secret	<15
Carbon black		1333-86-4	<6
Amorphous silica	Amorphous silica	7631-86-9	<2

4. First-aid measures

Inhalation

Move person to fresh air immediately. If irritation persists, consult a physician.

Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

Suitable extinguishing media Unsuitable extinguishing media	CO2, water, or dry chemical None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

7. Handling and storage

Precautions for safe 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.
Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Store at room temperature. Store away from strong oxidizers. Keep tightly closed and dry.

8. Exposure controls/personal protection

Components	Туре	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Li	mit Values		
Components	Туре	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guid	le to Chemical Hazards		
Components	Туре	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	
ogical limit values	No biological exposure limits noted for the ingredient(s).		

Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)	
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)	
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3	
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measure	es, such as personal protective equipment	
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
Respiratory protection	Not available.	

9. Physical and chemical properties

Not available.

Thermal hazards

·····		
Appearance	Fine powder	
Physical state	Solid.	
Color	Black.	
Odor	Slight plastic odor	
Odor threshold	Not available.	
рН	Not applicable	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not applicable	
Flash point	Not applicable	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Not available.	
Upper/lower flammability or explosive limits		
Flammability limit - lower (%)	Not flammable	
Flammability limit - upper (%)	Not available.	
Explosive limit - lower (%)	Not available.	
Explosive limit - upper (%)	Not available.	
Vapor pressure	Not applicable	
Solubility(ies)		
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.	
Partition coefficient (n-octanol/water)	Not available.	
Auto-ignition temperature	Not applicable	
Decomposition temperature	> 392 °F (> 200 °C)	
Viscosity	Not applicable	
Other information		
Softening point	212 - 302 °F (100 - 150 °C)	
Specific gravity	1 - 1.2	

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

Symptoms related to the physical, chemical and toxicological characteristics	Not available.	
Information on toxicological e	ffects	
Acute toxicity	LD50/oral/rat >2000 mg/kg; (OE Not classified for acute toxicity a	CD 401); Not harmful. ccording to EU Directive 67/548/EEC and 1999/45/EC.
Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Not classified as irritant, accordir Directive 67/548/EEC and as amo	ng to OSHA Hazard Communication Standard (HCS) and EU ended.
Respiratory or skin sensitization	on	
Respiratory sensitization	Not available.	
Skin sensitization	Not classified as irritant, accordir Directive 67/548/EEC and as amo	ng to OSHA Hazard Communication Standard (HCS) and EU ended.
Germ cell mutagenicity	Negative, does not indicate muta	genic potential (Ames Test: Salmonella typhimurium)
Carcinogenicity	2B) and by the State of California organizations indicate that expose bound within a product matrix, s	rcinogen by the IARC (possibly carcinogenic to humans, Group a under Proposition 65. In their evaluations of carbon black, both ure to carbon black, per se, does not occur when it remains pecifically, rubber, ink, or paint. Carbon black is present only in a lone of the other ingredients in this preparation are classified as EU, IARC, MAK, NTP or OSHA.
IARC Monographs. Overall	Evaluation of Carcinogenicity	
Carbon black (CAS 1333-	86-4) 2	B Possibly carcinogenic to humans.
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).	
Specific target organ toxicity - single exposure	Not available.	
Specific target organ toxicity - repeated exposure	Not available.	
Aspiration hazard	Not available.	
Chronic effects	No information available.	
Further information		vailable for this specific formulation ealth effects and Section 4 for first aid measures.
Components	Species	Test Results
Amorphous silica (CAS 7631-86-9)		
Acute		
Oral		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg
Carbon black (CAS 1333-86-4)		
Acute		
Oral		
LD50	Rat	> 8000 mg/kg

12. Ecological informatio) []		
Ecotoxicity		0	Test Bessells
Product		Species	Test Results
CB400A			
Aquatic		Deinhaus Tresst	1000 mg/L 06 Haven
	LL50	Rainbow Trout	> 1000 mg/l, 96 Hours
Persistence and degradability	Not available.		
Bioaccumulative potential	Not available.		
Mobility in soil	Not available.		
Other adverse effects	Not available.		
13. Disposal consideration	ons		
Disposal instructions		ticles may form explosive mix	explosion prevention measures are taken. Finely ctures in air. Dispose of in compliance with federal, state
	HP original in		recycling program enables simple, convenient recycling c For more information and to determine if this service is //www.hp.com/recycle.
14. Transport informatio	n		
Further information	Not a danger	ous good under DOT, IATA, A	ADR, IMDG, or RID.
15. Regulatory informati	on		
US federal regulations	US EPA TSCA under TSCA.	Inventory: All chemical subs	stances in this product comply with all rules or orders
CERCLA Hazardous Substa Not listed. SARA 304 Emergency relea Not regulated. OSHA Specifically Regulate Not listed. Superfund Amendments and R Hazard categories	ase notificatio	on 5 (29 CFR 1910.1001-105) on Act of 1986 (SARA)	0)
	Delayed Haza Fire Hazard - Pressure Haza Reactivity Haz	No ard - No	
SARA 302 Extremely haza	rdous substan	ice	
Not listed.			
SARA 311/312 Hazardous chemical	No		
Other federal regulations			
Safe Drinking Water Act (SDWA)	Not regulated	l.	
JS state regulations			
US. Massachusetts RTK - S	Substance List		
US. Massachusells KIK-S			
Carbon black (CAS 1333-8	,	Right-to-Know Act	
Carbon black (CAS 1333-8 US. New Jersey Worker an Carbon black (CAS 1333-8	d Community 86-4)	-	
Carbon black (CAS 1333-{ US. New Jersey Worker an Carbon black (CAS 1333-{ US. Pennsylvania Worker a Carbon black (CAS 1333-{	d Community 86-4) and Communi	-	
Carbon black (CAS 1333-{ US. New Jersey Worker an Carbon black (CAS 1333-{ US. Pennsylvania Worker a	d Community 86-4) and Communi	-	

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date Version #	16-Apr-2015 01
Disclaimer	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.
Revision Information	 Product and Company Identification: Physical States Composition / Information on Ingredients Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity Transport Information: Agency Name, Packaging Type, and Transport Mode Selection
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

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



SAFETY DATA SHEET

1. Identification

Product identifier Other means of identification Recommended use	HP Color LaserJet CB540A-AD Black Print Cartridge Not available. This product is a black toner preparation that is used in HP Color LaserJet CP1515, CP1518, CP1215 and CM1312 MFP series printers.
Recommended restrictions	None known.
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020 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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Wax	Wax	Trade Secret	<10
Carbon black		1333-86-4	<6
Amorphous silica	Amorphous silica	7631-86-9	<2

4. First-aid measures	
Inhalation	Move person to fresh air immediately. If irritation persists, consult a physician.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

5. Fire-fighting measures

Suitable extinguishing media	CO2, water, or dry chemical	
Unsuitable extinguishing media	None known.	
Specific hazards arising from the chemical	Not applicable.	
Special protective equipment and precautions for firefighters	Not available.	
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.	
Specific methods	None established.	
6. Accidental release measures		
Personal precautions, protective equipment and	Minimize dust generation and accumulation.	
emergency procedures		
emergency procedures Methods and materials for containment and cleaning up	Not available.	
Methods and materials for	Not available. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.	
Methods and materials for containment and cleaning up	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal	

Conditions for safe storage,	Keep out of the reach of children. Keep tightly closed and dry. Store away from strong oxidizers.
including any incompatibilities	Store at room temperature.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Components	Air Contaminants (29 CFR 1910.1000) Type	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Limit Va Components	lues Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to C Components	hemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	

Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measure	s, such as personal protective equipment
Eye/face protection	Not available.
Skin protection	
Hand protection	Not available.
Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
9. Physical and chemical	properties
Appearance	Fine powder
Physical state	Solid.
Color	Black.
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	xplosive limits
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.

(%)	
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available.
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	176 - 266 °F (80 - 130 °C)

Material name: CB540A-AD

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

11. Toxicological information

LD50	Rat	> 8000 mg/kg	
Oral			
Acute			
Carbon black (CAS 1333-86-4)			
	Rat	> 22500 mg/kg	
LD50	Mouse	> 15000 mg/kg	
Oral			
Acute			
Amorphous silica (CAS 7631-86-9)			
Components	Species	Test Results	
Further information	Complete toxicity data are not available for this speci Refer to Section 2 for potential health effects and Sec		
Chronic effects	No information available.		
Aspiration hazard	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Specific target organ toxicity - single exposure	Not available.		
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).		
Carbon black (CAS 1333-8			
	Evaluation of Carcinogenicity		
	2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC		
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ame	es Test: Salmonella typhimurium)	
Skin sensitization	Not classified as irritant, according to OSHA Hazard C Directive 67/548/EEC and as amended.	Communication Standard (HCS) and EU	
Respiratory sensitization	Not available.		
Respiratory or skin sensitization			
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard C Directive 67/548/EEC and as amended.	Communication Standard (HCS) and EU	
Skin corrosion/irritation	Not available.		
Acute toxicity			
Information on toxicological ef	ffects		
Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
5			

12. Ecological informati	on		
Ecotoxicity			
Product		Species	Test Results
CB540A-AD			
Aquatic Fish	LL50	Rainbow Trout	> 1000 mg/l, 96 Hours
-			
Persistence and degradability			
Bioaccumulative potential	Not available Not available		
Mobility in soil Other adverse effects			
13. Disposal considerati	ons		
Disposal instructions	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 original i		s recycling program enables simple, convenient recycling c For more information and to determine if this service is p://www.hp.com/recycle.
14. Transport information	on		
Further information		rous good under DOT, IATA,	ADR, IMDG, or RID.
15. Regulatory informat	tion		
US federal regulations			bstances in this product comply with all rules or orders
SARA 304 Emergency rele Not regulated. OSHA Specifically Regula Not listed.			50)
Superfund Amendments and	Reauthorizati	on Act of 1986 (SARA)	
Hazard categories	Immediate F Delayed Haz Fire Hazard Pressure Haz Reactivity Ha	łazard - No ard - No - No zard - No	
SARA 302 Extremely haza	•		
Not listed.			
SARA 311/312 Hazardous chemical	No		
Other federal regulations			
Safe Drinking Water Act (SDWA)	Not regulate	d.	
US state regulations			
US. Massachusetts RTK -		t	
Carbon black (CAS 1333 US. New Jersey Worker a		y Right-to-Know Act	
Carbon black (CAS 1333 US. Pennsylvania Worker		ity Right-to-Know Law	
Carbon black (CAS 1333 US. Rhode Island RTK	-86-4)		
Not regulated.			
Material name: CB540A-AD			SDS US

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date	16-Apr-2015
Version #	01
Disclaimer	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.
Revision Information	1. Product and Company Identification: Physical States Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity Transport Information: Agency Name, Packaging Type, and Transport Mode Selection
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

Explanation of abbreviations

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



SAFETY DATA SHEET

1. Identification

Product identifier Other means of identification Recommended use	HP Color LaserJet CE310A-AD Black Print Cartridge Not available. This product is a black toner preparation that is used in HP Color LaserJet Pro CP1025 and HF LaserJet Pro 100 Color MFP, HP LaserJet Pro 200 Color MFP series printers.
Recommended restrictions Company identification	None known. Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020 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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures
Chomical

Chemical name	Common name and synonyms	e and synonyms CAS number	
Styrene acrylate copolymer		Trade Secret	<85
Carbon black		1333-86-4	<10
Wax	Wax	Trade Secret	<10
Amorphous silica	Amorphous silica	7631-86-9	<3

4. First-aid measures	
Inhalation	Move person to fresh air immediately. If irritation persists, consult a physician.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

5. Fire-fighting measures

Suitable extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.
6. Accidental release me	asures
Personal precautions, protective equipment and	Minimize dust generation and accumulation.
emergency procedures	
emergency procedures Methods and materials for containment and cleaning up	Not available.
Methods and materials for	Not available. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
Methods and materials for containment and cleaning up	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal

Conditions for safe storage,	Keep out of the reach of children. Keep tightly closed and dry. Store away from strong oxidizers.
including any incompatibilities	Store at room temperature.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Components	Air Contaminants (29 CFR 1910.1000) Type	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Limit Va Components	lues Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to C Components	hemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	

Biological limit values	No biological exposure limits noted for the ingredient(s).	
Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)	
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)	
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3	
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measure	s, such as personal protective equipment	
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
Respiratory protection	Not available.	
Thermal hazards	Not available.	
9. Physical and chemical	properties	
Appearance	Fine powder	
Physical state	Solid.	
Color	Black.	
Odor	Slight plastic odor	
Odor threshold	Not available.	
рН	Not applicable	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not applicable	
Flash point	Not applicable	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Not available.	
Upper/lower flammability or e	xplosive limits	
Flammability limit - lower (%)	·	
Flammability limit - upper (%)	Not available.	
Franks show that the second	N Le	

upper (%)	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available.
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	176 - 266 °F (80 - 130 °C)

Material name: CE310A-AD

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
Information on toxicological effects			
Acute toxicity			
Skin corrosion/irritation	Not available.		
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.		
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, accor Directive 67/548/EEC and as a	ding to OSHA Hazard Communication Standard (HCS) and EU mended.	
Germ cell mutagenicity	Negative, does not indicate mu	utagenic potential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		
IARC Monographs. Overall Evaluation of Carcinogenicity			
		-)	
Amorphous silica (CAS 76 Carbon black (CAS 1333-	531-86-9)	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans.	
Amorphous silica (CAS 76	531-86-9) 86-4)	3 Not classifiable as to carcinogenicity to humans.	
Amorphous silica (CAS 76 Carbon black (CAS 1333-	531-86-9) 86-4) Not classified as toxic accordin	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans.	
Amorphous silica (CAS 76 Carbon black (CAS 1333- Reproductive toxicity Specific target organ toxicity	531-86-9) 86-4) Not classified as toxic accordin and DFG (Germany).	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans.	
Amorphous silica (CAS 76 Carbon black (CAS 1333- Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity	531-86-9) 86-4) Not classified as toxic accordin and DFG (Germany). Not available.	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans.	
Amorphous silica (CAS 76 Carbon black (CAS 1333- Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure	531-86-9) 86-4) Not classified as toxic accordin and DFG (Germany). Not available. Not available.	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans.	
Amorphous silica (CAS 76 Carbon black (CAS 1333- Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard	531-86-9) 86-4) Not classified as toxic accordin and DFG (Germany). Not available. Not available. Not available. No information available. Complete toxicity data are not	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans.	
Amorphous silica (CAS 76 Carbon black (CAS 1333- Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects	531-86-9) 86-4) Not classified as toxic accordin and DFG (Germany). Not available. Not available. Not available. No information available. Complete toxicity data are not	³ Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans. g to EU Directive 67/548/EEC and as amended, California Prop. 65, available for this specific formulation	
Amorphous silica (CAS 76 Carbon black (CAS 1333- Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects Further information	531-86-9) 86-4) Not classified as toxic accordin and DFG (Germany). Not available. Not available. Not available. No information available. Complete toxicity data are not Refer to Section 2 for potentia Species	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans. g to EU Directive 67/548/EEC and as amended, California Prop. 65, available for this specific formulation I health effects and Section 4 for first aid measures.	
Amorphous silica (CAS 76 Carbon black (CAS 1333-4 Reproductive toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects Further information Components Amorphous silica (CAS 7631-86-9) Acute	531-86-9) 86-4) Not classified as toxic accordin and DFG (Germany). Not available. Not available. Not available. No information available. Complete toxicity data are not Refer to Section 2 for potentia Species	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans. g to EU Directive 67/548/EEC and as amended, California Prop. 65, available for this specific formulation I health effects and Section 4 for first aid measures.	
Amorphous silica (CAS 76 Carbon black (CAS 1333-4 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects Further information Components Amorphous silica (CAS 7631-86-9) Acute Oral	531-86-9) 86-4) Not classified as toxic accordin and DFG (Germany). Not available. Not available. Not available. No information available. Complete toxicity data are not Refer to Section 2 for potentia Species	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans. g to EU Directive 67/548/EEC and as amended, California Prop. 65, available for this specific formulation I health effects and Section 4 for first aid measures. Test Results	
Amorphous silica (CAS 76 Carbon black (CAS 1333-4 Reproductive toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects Further information Components Amorphous silica (CAS 7631-86-9) Acute	531-86-9) 86-4) Not classified as toxic accordin and DFG (Germany). Not available. Not available. Not available. No information available. Complete toxicity data are not Refer to Section 2 for potentia Species	3 Not classifiable as to carcinogenicity to humans. 2B Possibly carcinogenic to humans. g to EU Directive 67/548/EEC and as amended, California Prop. 65, available for this specific formulation I health effects and Section 4 for first aid measures.	

Carbon black (CAC 1222 OC A)	Species		Test Results
Carbon black (CAS 1333-86-4)			
Acute			
Oral			
LD50	Rat		> 8000 mg/kg
12. Ecological informati	on		
Ecotoxicity			
Product		Species	Test Results
CE310A-AD			
Aquatic			
Fish	LC50	Fish	> 100 mg/l, 96 Hours
Persistence and degradability	Not available.		
Bioaccumulative potential	Not available.		
Mobility in soil	Not available.		
Other adverse effects	Not available		
		•	
13. Disposal considerati			
Disposal instructions		ticles may form explosiv	lust-explosion prevention measures are taken. Finely e mixtures in air. Dispose of in compliance with federal, state
	HP original in	kjet and LaserJet suppli	blies recycling program enables simple, convenient recycling c es. For more information and to determine if this service is http://www.hp.com/recycle.
14. Transport information	on		
Further information		ous good under DOT. IA	TA, ADR, IMDG, or RID.
	_	j,	
	rian		
		Inventory: All chemica	substances in this product comply with all rules or orders
	US EPA TSCA under TSCA.	·	
US federal regulations	US EPA TSCA under TSCA.	·	
US federal regulations TSCA Section 12(b) Expo	US EPA TSCA under TSCA. rt Notification	(40 CFR 707, Subpt.	
US federal regulations TSCA Section 12(b) Expon Not regulated. CERCLA Hazardous Subst Not listed.	US EPA TSCA under TSCA. rt Notification cance List (40 C	(40 CFR 707, Subpt. CFR 302.4)	
US federal regulations TSCA Section 12(b) Expor Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency rele	US EPA TSCA under TSCA. rt Notification cance List (40 C	(40 CFR 707, Subpt. CFR 302.4)	
US federal regulations TSCA Section 12(b) Expor Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regula	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notificatio	(40 CFR 707, Subpt. CFR 302.4) on)
US federal regulations TSCA Section 12(b) Expon Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regula Not listed.	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notification ted Substances	(40 CFR 707, Subpt. CFR 302.4) on s (29 CFR 1910.1001) 1050)
Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regula Not listed. Superfund Amendments and	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notification ted Substances Reauthorization	(40 CFR 707, Subpt. CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA)) 1050)
US federal regulations TSCA Section 12(b) Expon Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regula Not listed.	US EPA TSCA under TSCA. rt Notification ance List (40 C ease notification ted Substances Reauthorization Immediate Ha	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No) 1050)
US federal regulations TSCA Section 12(b) Expor Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regula Not listed. Superfund Amendments and	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notification ted Substances Reauthorization Immediate Ha Delayed Haza	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No) 1050)
US federal regulations TSCA Section 12(b) Expor Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regula Not listed. Superfund Amendments and	US EPA TSCA under TSCA. rt Notification ance List (40 C ease notification ted Substances Reauthorization Immediate Ha	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No No) 1050)
US federal regulations TSCA Section 12(b) Expor Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regula Not listed. Superfund Amendments and	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notification ted Substances Reauthorization Immediate Ha Delayed Haza Fire Hazard -	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No No ard - No) 1050)
US federal regulations TSCA Section 12(b) Expon Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regula Not listed. Superfund Amendments and Hazard categories SARA 302 Extremely haza	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notificatio ted Substances Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Haza	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No No ard - No zard - No zard - No) 1050)
US federal regulations TSCA Section 12(b) Expor Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regular Not listed. Superfund Amendments and Hazard categories SARA 302 Extremely haza Not listed.	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notificatio ted Substances Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Hazard Reactivity Hazard ardous substar	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No No ard - No zard - No zard - No)) 1050)
US federal regulations TSCA Section 12(b) Expon Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency relo Not regulated. OSHA Specifically Regula Not listed. Superfund Amendments and Hazard categories SARA 302 Extremely haza	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notificatio ted Substances Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Haza	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No No ard - No zard - No zard - No) 1050)
US federal regulations TSCA Section 12(b) Expon- Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency rele- Not regulated. OSHA Specifically Regula Not listed. Superfund Amendments and Hazard categories SARA 302 Extremely haza- Not listed. SARA 311/312 Hazardous chemical	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notificatio ted Substances Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Hazard Reactivity Hazard ardous substar	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No No ard - No zard - No zard - No) 1050)
US federal regulations TSCA Section 12(b) Expon- Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency rele- Not regulated. OSHA Specifically Regula Not listed. Superfund Amendments and Hazard categories SARA 302 Extremely haza- Not listed. SARA 311/312 Hazardous chemical	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notificatio ted Substances Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Hazard ardous substar	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No ard - No zard - No zard - No)) 1050)
US federal regulations TSCA Section 12(b) Expon- Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency rela- Not regulated. OSHA Specifically Regula- Not listed. Superfund Amendments and Hazard categories SARA 302 Extremely haza- Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notificatio ted Substances Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Haz ardous substar	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No ard - No zard - No zard - No) 1050)
US federal regulations TSCA Section 12(b) Expon- Not regulated. CERCLA Hazardous Subst Not listed. SARA 304 Emergency rele- Not regulated. OSHA Specifically Regular Not listed. Superfund Amendments and Hazard categories SARA 302 Extremely haza- Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA)	US EPA TSCA under TSCA. rt Notification cance List (40 C ease notificatio ted Substances Reauthorizatio Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Ha ardous substar No Not regulated	(40 CFR 707, Subpt. I CFR 302.4) on s (29 CFR 1910.1001 on Act of 1986 (SARA) azard - No ard - No ard - No zard - No hce)) 1050)

Carbon black (CAS 1333-86-4) US. New Jersey Worker and Community Right-to-Know Act Carbon black (CAS 1333-86-4) US. Pennsylvania Worker and Community Right-to-Know Law Amorphous silica (CAS 7631-86-9) Carbon black (CAS 1333-86-4) **US. Rhode Island RTK** Not regulated. **US. California Proposition 65** US - California Proposition 65 - CRT: Listed date/Carcinogenic substance CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4) **Regulatory information** 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. 16. Other information, including date of preparation or last revision **Issue date** 16-Apr-2015 Version # 01 Disclaimer 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. **Revision Information** 1. Product and Company Identification: Physical States Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity Manufacturer information Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199

(Toll-free within the US) 1-800-457-4209

Explanation of abbreviations

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



SAFETY DATA SHEET

1. Identification

Product identifier	HP Color LaserJet CE320A-AD Black Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a black toner preparation that is used in HP LaserJet Pro CM1415,CP1525 series printers.
Recommended restrictions	None known.
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020 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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures	
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Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Wax	Wax	Trade Secret	<10
Carbon black		1333-86-4	<6
Amorphous silica	Amorphous silica	7631-86-9	<2

4. First-aid measures	
Inhalation	Move person to fresh air immediately. If irritation persists, consult a physician.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

5. Fire-fighting measures

CO2, water, or dry chemical
None known.
Not applicable.
Not available.
If fire occurs in the printer, treat as an electrical fire.
None established.
asures
Minimize dust generation and accumulation.
Not available.
Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
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.

Conditions for safe storage,	Keep out of the reach of children. Keep tightly closed and dry. Store away from strong oxidizers.
including any incompatibilities	Store at room temperature.
•	

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Components	Air Contaminants (29 CFR 1910.1000) Type	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Limit Va Components	lues Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to C Components	hemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	

Biological limit values	No biological exposure limits noted for the ingredient(s).	
Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)	
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)	
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3	
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)	
Appropriate engineering controls	Use in a well ventilated area.	
-	s, such as personal protective equipment	
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
Respiratory protection	Not available.	
Thermal hazards	Not available.	
9. Physical and chemical	properties	
Appearance	Fine powder	
Physical state	Solid.	
Color	Black.	
Odor	Slight plastic odor	
Odor threshold	Not available.	
рН	Not applicable	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not applicable	
Flash point	Not applicable	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Not available.	
Upper/lower flammability or e		
	xplosive limits	
Flammability limit - lower (%)		

(%)	
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available.
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	176 - 266 °F (80 - 130 °C)

Material name: CE320A-AD

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics	Not available.	
Information on toxicological e	ffects	
Acute toxicity		
Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.	
Respiratory or skin sensitization	on	
Respiratory sensitization	Not available.	
Skin sensitization	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.	
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.	
IARC Monographs. Overall	Evaluation of Carcinogenicity	
Carbon black (CAS 1333-8	36-4) 2B Possibly carcinogenic to humans.	
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).	
Specific target organ toxicity - single exposure	Not available.	
Specific target organ toxicity - repeated exposure	Not available.	
Aspiration hazard	Not available.	
Chronic effects	No information available.	
Further information	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.	
Components	Species Test Results	
Amorphous silica (CAS 7631-86-9)		
Acute		
Oral		
LD50	Mouse > 15000 mg/kg	
	Rat > 22500 mg/kg	
Carbon black (CAS 1333-86-4)		
Acute		
Oral		
LD50	Rat > 8000 mg/kg	

Ecotoxicity		
•		
Product	Species	Test Results
CE320A-AD		
Aquatic		
Fish	LC50 Fish	> 100 mg/l, 96 Hours
Persistence and degradability		
Bioaccumulative potential	Not available.	
Mobility in soil	Not available.	
Other adverse effects	Not available.	
13. Disposal consideration	ons	
Disposal instructions		ist-explosion prevention measures are taken. Finely mixtures in air. Dispose of in compliance with federal, state,
		ies recycling program enables simple, convenient recycling o For more information and to determine if this service is http://www.hp.com/recycle.
14. Transport informatio	 on	
Further information	Not a dangerous good under DOT, IAT	A, ADR, IMDG, or RID.
15. Regulatory informat	ion	
US federal regulations		substances in this product comply with all rules or orders
Not regulated. CERCLA Hazardous Substa Not listed.	ance List (40 CFR 302.4)	
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat		050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed.	ease notification ted Substances (29 CFR 1910.1001-1	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed.	ease notification	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Ardous substance	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Ardous substance	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency relea Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA)	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Ardous substance	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency relea Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA)	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Ardous substance No Not regulated.	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333-	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Reactivity Hazard - No No Not regulated.	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333- US. New Jersey Worker an Carbon black (CAS 1333-	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Ardous substance No Not regulated. Substance List -86-4) nd Community Right-to-Know Act -86-4)	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333- US. New Jersey Worker an Carbon black (CAS 1333- US. Pennsylvania Worker	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Ardous substance No No Not regulated. Substance List -86-4) nd Community Right-to-Know Act -86-4) and Community Right-to-Know Law	050)
CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed. Superfund Amendments and F Hazard categories SARA 302 Extremely haza Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333- US. New Jersey Worker an Carbon black (CAS 1333-	ease notification ted Substances (29 CFR 1910.1001-1 Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Ardous substance No No Not regulated. Substance List -86-4) nd Community Right-to-Know Act -86-4) and Community Right-to-Know Law	050)

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date	16-Apr-2015
Version #	01
Disclaimer	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.
Revision Information	 Product and Company Identification: Physical States Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

Explanation of abbreviations

American Conference of Governmental Industrial Hygienists
Chemical Abstracts Service
Comprehensive Environmental Response Compensation and Liability Act
Code of Federal Regulations
Cleveland Open Cup
Department of Transportation
Emergency Planning and Community Right-to-Know Act (aka SARA)
International Agency for Research on Cancer
National Institute for Occupational Safety and Health
National Toxicology Program
Occupational Safety and Health Administration
Permissible Exposure Limit
Resource Conservation and Recovery Act
Recommended
Recommended Exposure Limit
Superfund Amendments and Reauthorization Act of 1986
Short-Term Exposure Limit
Toxicity Characteristics Leaching Procedure
Threshold Limit Value
Toxic Substances Control Act
Volatile Organic Compounds



SAFETY DATA SHEET

	T -1 1 * C 1 *
Τ.	Identification
	Lacification

Product identifier	HP Color LaserJet CF210A-X-XD Black Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a black toner preparation that is used in HP LaserJet Pro 200 color M251 and HF LaserJet Pro 200 color MFP M276 series printers.
Recommended restrictions	None known.
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020 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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Carbon black		1333-86-4	<10
Wax	Wax	Trade Secret	<10
Amorphous silica	Amorphous silica	7631-86-9	<3

4. First-aid measures	
Inhalation	Move person to fresh air immediately. If irritation persists, consult a physician.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

5. Fire-fighting measures

	-
Suitable extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.
6. Accidental release mea	asures
Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
7. Handling and storage	
Precautions for safe handling	Keep out of the reach of children. Avoid inhalation of dust and contact with skin and eyes. Use with

Conditions for safe storage,	Keep out of the reach of children. Keep tightly closed and dry. Store away from strong oxidizers.
including any incompatibilities	Store at room temperature.
•	

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Components	Air Contaminants (29 CFR 1910.1000) Type	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Limit Va Components	lues Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to C Components	hemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	

Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measure	s, such as personal protective equipment
Eye/face protection	Not available.
Skin protection	
Hand protection	Not available.
Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
9. Physical and chemical	properties
9. Physical and chemical Appearance	Fine powder
-	
Appearance	Fine powder
Appearance Physical state	Fine powder Solid.
Appearance Physical state Color	Fine powder Solid. Black.
Appearance Physical state Color Odor	Fine powder Solid. Black. Slight plastic odor
Appearance Physical state Color Odor Odor threshold	Fine powder Solid. Black. Slight plastic odor Not available.
Appearance Physical state Color Odor Odor threshold pH	Fine powder Solid. Black. Slight plastic odor Not available. Not applicable
Appearance Physical state Color Odor Odor threshold pH Melting point/freezing point Initial boiling point and	Fine powder Solid. Black. Slight plastic odor Not available. Not applicable Not available.
Appearance Physical state Color Odor Odor threshold pH Melting point/freezing point Initial boiling point and boiling range	Fine powder Solid. Black. Slight plastic odor Not available. Not applicable Not available. Not applicable
Appearance Physical state Color Odor Odor threshold pH Melting point/freezing point Initial boiling point and boiling range Flash point	Fine powder Solid. Black. Slight plastic odor Not available. Not applicable Not applicable Not applicable
Appearance Physical state Color Odor Odor threshold pH Melting point/freezing point Initial boiling point and boiling range Flash point Evaporation rate	Fine powder Solid. Black. Slight plastic odor Not available. Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
Appearance Physical state Color Odor Odor threshold pH Melting point/freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability (solid, gas)	Fine powder Solid. Black. Slight plastic odor Not available. Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not available.
Appearance Physical state Color Odor Odor threshold pH Melting point/freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability (solid, gas) Upper/lower flammability or e Flammability limit - lower	Fine powder Solid. Black. Slight plastic odor Not available. Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not available.

upper (%)	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	> 392 °F (> 200 °C)
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	176 - 266 °F (80 - 130 °C)

Material name: CF210A-X-XD

Specific gravity 1 - 1.2

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
Information on toxicological e	ffects		
Acute toxicity			
Skin corrosion/irritation	Not available.		
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Ha Directive 67/548/EEC and as amended.	zard Communication Standard (HCS) and EU	
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, according to OSHA Ha Directive 67/548/EEC and as amended.	zard Communication Standard (HCS) and EU	
Germ cell mutagenicity	Negative, does not indicate mutagenic potentia	I (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		
IARC Monographs. Overal	Evaluation of Carcinogenicity		
Carbon black (CAS 1333-	86-4) 2B Possibly card	cinogenic to humans.	
Reproductive toxicity	Not classified as toxic according to EU Directive and DFG (Germany).	e 67/548/EEC and as amended, California Prop. 65,	
Specific target organ toxicity - single exposure	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Aspiration hazard	Not available.		
Chronic effects	No information available.		
Further information	Complete toxicity data are not available for this Refer to Section 2 for potential health effects a		
Components	Species	Test Results	
Amorphous silica (CAS 7631-86-9)			
Acute			
Oral			
LD50	Mouse	> 15000 mg/kg	
	Rat	> 22500 mg/kg	
Carbon black (CAS 1333-86-4)			
Acute			
Oral			
LD50	Rat	> 8000 mg/kg	
Matorial name: CE2104 X XD			

12. Ecological informatio	Л		
Ecotoxicity		Creation	Took Dooulko
Product		Species	Test Results
CF210A-X-XD Aquatic			
Fish	LC50	Fish	> 100 mg/l, 96 Hours
-		-	
Persistence and degradability			
Bioaccumulative potential	Not available	-	
Mobility in soil	Not available		
Other adverse effects	Not available		
13. Disposal consideration	ons		
Disposal instructions		rticles may form exp	ess dust-explosion prevention measures are taken. Finely losive mixtures in air. Dispose of in compliance with federal, state,
	HP original in	kjet and LaserJet su	supplies recycling program enables simple, convenient recycling o pplies. For more information and to determine if this service is visit http://www.hp.com/recycle.
14. Transport informatio	n		
Further information	Not a danger	ous good under DO	Γ, IATA, ADR, IMDG, or RID.
15. Regulatory informat	ion		
US federal regulations		A Inventory: All cher	nical substances in this product comply with all rules or orders
SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat			001-1050)
Not listed.			54)
Superfund Amendments and F Hazard categories	Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha	azard - No ard - No No ard - No	ika)
SARA 302 Extremely haza	rdous substai	nce	
Not listed.			
SARA 311/312 Hazardous chemical	No		
Other federal regulations Safe Drinking Water Act (SDWA)	Not regulated	J.	
US state regulations			
US. Massachusetts RTK - S	Substance List	t	
Carbon black (CAS 1333- US. New Jersey Worker ar	,	· Right-to-Know A	ct.
Carbon black (CAS 1333-	-		
US. Pennsylvania Worker	,	ity Right-to-Know	Law
Carbon black (CAS 1333- US. Rhode Island RTK		-	
Not regulated.			
Material name: CF210A-X-XD			SDS I

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date	19-Nov-2014
Revision date	16-Apr-2015
Version #	03
Disclaimer	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.
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

Explanation of abbreviations

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



SAFETY DATA SHEET

1. Identification

Product identifier	HP Color LaserJet Q5950A-AC Black Print Cartridge	
Other means of identification	Not available.	
Recommended use	This product is a black toner preparation that is used in HP Color LaserJet 4700 series printers	
Recommended restrictions	None known.	
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020	
	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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Wax	Wax	Trade Secret	<15
Carbon black		1333-86-4	<6
Amorphous silica	Amorphous silica	7631-86-9	<2

4. First-aid measures

Move person to fresh air immediately. If irritation persists, consult a physician.

Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media	CO2, water, or dry chemical None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

7. Handling and storage

Precautions for safe 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.
Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Store at room temperature. Store away from strong oxidizers. Keep tightly closed and dry.

8. Exposure controls/personal protection

Components	Туре	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Li	mit Values		
Components	Туре	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guid	le to Chemical Hazards		
Components	Туре	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	
ogical limit values	No biological exposure limits noted	for the ingredient(s).	

Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)	
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)	
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3	
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measures, such as personal protective equipment		
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
Respiratory protection	Not available.	

9. Physical and chemical properties

Not available.

Thermal hazards

•	• •
Appearance	Fine powder
Physical state	Solid.
Color	Black.
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	-
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available.
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	212 - 302 °F (100 - 150 °C) 212 - 302 °F (100 - 150 °C)

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

11. Toxicological information

11. I oxicological informa	ation		
Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
Information on toxicological e	ffects		
Acute toxicity			
Skin corrosion/irritation	Not available.		
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.		
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, according to OSHA Hazard C Directive 67/548/EEC and as amended.	ommunication Standard (HCS) and EU	
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ame	s Test: Salmonella typhimurium)	
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		
IARC Monographs. Overall	Evaluation of Carcinogenicity		
Carbon black (CAS 1333-	86-4) 2B Possibly carcinoge	nic to humans.	
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).		
Specific target organ toxicity - single exposure	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Aspiration hazard	Not available.		
Chronic effects	No information available.		
Further information	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.		
Components	Species	Test Results	
Amorphous silica (CAS 7631-86-9)			
Acute			
Oral			
LD50	Mouse	> 15000 mg/kg	
	Rat	> 22500 mg/kg	
Carbon black (CAS 1333-86-4)			
Acute			
Oral			
LD50	Rat	> 8000 mg/kg	

Ectoxicity Product Species Test R Q5950A-C Aquatic Fish LL50 Rainbow Trout > 1000 Persistence and degradability Not available. Bioaccumulative potential Not available. Mobility in soil Not available. I J Disposal considerations Disposal instructions Do not shred toner cartridge, unless dust-explosion prevention m dispersed particles may form explosive mixtures in air. Dispose o and local regulations. HP's Planet Partners (trademark) supplies recycling program ena HP original inkjet and LaserJet supplies. For more information Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID. I S. Regulatory information US federal regulations US EPA TSCA Inventory: All chemical substances in this product under TSCA. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. US perfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - No Fre tazard -	
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Not regulated.	

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date	16-Apr-2015
Version #	01
Disclaimer	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.
Revision Information	1. Product and Company Identification: Physical States Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity Transport Information: Agency Name, Packaging Type, and Transport Mode Selection
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

Explanation of abbreviations

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



SAFETY DATA SHEET

1. Identification

Product identifier Other means of identification Recommended use	HP Color LaserJet Q6460A-AC Black Print Cartridge Not available. This product is a black toner preparation that is used in HP Color LaserJet 4730mfp/CM4730mfr series printers.
Recommended restrictions	None known.
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020 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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Wax	Wax	Trade Secret	<15
Carbon black		1333-86-4	<6
Amorphous silica	Amorphous silica	7631-86-9	<2

4. First-aid measures	
Inhalation	Move person to fresh air immediately. If irritation persists, consult a physician.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

5. Fire-fighting measures

5	
Suitable extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.
6. Accidental release me	asures
Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
7. Handling and storage	
Precautions for safe 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.
Conditions for safe storage	Keen out of the reach of children. Store at room temperature. Store away from strong ovidizers

Conditions for safe storage,
including anyKeep out of the reach of children. Store at room temperature. Store away from strong oxidizers.
Keep tightly closed and dry.incompatibilitiesKeep tightly closed and dry.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Components	Air Contaminants (29 CFR 1910.1000) Type	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Limit Va Components	lues Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to C Components	hemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	

Biological limit values Exposure guidelines	No biological exposure limits noted for the ingredient(s). USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)		
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)		
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3		
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)		
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)		
Appropriate engineering controls	Use in a well ventilated area.		
Individual protection measures, such as personal protective equipment			
Eye/face protection	Not available.		
Skin protection			
Hand protection	Not available.		
Other	Not available.		
Respiratory protection	Not available.		
Thermal hazards	Not available.		

9. Physical and chemical properties

5. Physical and chemical	properties
Appearance	Fine powder
Physical state	Solid.
Color	Black.
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	xplosive limits
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available.
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	212 - 302 °F (100 - 150 °C) 212 - 302 °F (100 - 150 °C)

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

11. Toxicological information

11. I OXICOlOgical Informa			
Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
Information on toxicological e	ffects		
Acute toxicity			
Skin corrosion/irritation	Not available.		
Serious eye damage/eye irritation	Not classified as irritant, according to OSH Directive 67/548/EEC and as amended.	IA Hazard Communication Standard (HCS) and EU	
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, according to OSH Directive 67/548/EEC and as amended.	IA Hazard Communication Standard (HCS) and EU	
Germ cell mutagenicity	Negative, does not indicate mutagenic po	tential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		
IARC Monographs. Overall	Evaluation of Carcinogenicity		
Carbon black (CAS 1333-	36-4) 2B Possibl	y carcinogenic to humans.	
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).		
Specific target organ toxicity - single exposure	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Aspiration hazard	Not available.		
Chronic effects	No information available.		
Further information	Complete toxicity data are not available for Refer to Section 2 for potential health effert		
Components	Species	Test Results	
Amorphous silica (CAS 7631-86-9)			
Acute			
Oral			
LD50	Mouse	> 15000 mg/kg	
	Rat	> 22500 mg/kg	
Carbon black (CAS 1333-86-4)			
Acute			
Oral			
LD50	Rat	> 8000 mg/kg	

Ecotoxicity	on		
Product		Species	Test Results
Q6460A-AC			
Aquatic			
Fish	LL50	Rainbow Trout	> 1000 mg/l, 96 Hours
Persistence and degradability	Not available.		
Bioaccumulative potential	Not available.		
Mobility in soil	Not available.		
Other adverse effects	Not available.		
13. Disposal consideration	ons		
Disposal instructions		ticles may form explosive mi	explosion prevention measures are taken. Finely xtures in air. Dispose of in compliance with federal, state,
	HP original inl		recycling program enables simple, convenient recycling o For more information and to determine if this service is ://www.hp.com/recycle.
14. Transport informatio	n		
Further information	Not a dangero	ous good under DOT, IATA, A	ADR, IMDG, or RID.
15. Regulatory informati	on		
US federal regulations		Inventory: All chemical sub	stances in this product comply with all rules or orders
SARA 304 Emergency relea Not regulated. OSHA Specifically Regulate Not listed.			0)
Superfund Amendments and R	oouthorizotio	n Act of 1096 (SADA)	
Hazard categories	Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Haz	azard - No rd - No No ard - No	
	Reactivity 1102	zard - No	
SARA 302 Extremely haza	•		
Not listed.	•		
-	•		
Not listed. SARA 311/312 Hazardous chemical	rdous substan		
Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA)	rdous substan	ce	
Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations	rdous substan No Not regulated		
Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S	rdous substan No Not regulated Substance List		
Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations	rdous substan No Not regulated Substance List 86-4)		
Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333-8 US. New Jersey Worker an Carbon black (CAS 1333-8	rdous substan No Not regulated Substance List 86-4) Id Community 86-4)	right-to-Know Act	
Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations US. Massachusetts RTK - S Carbon black (CAS 1333-8 US. New Jersey Worker an	rdous substan No Not regulated Substance List 86-4) Id Community 86-4) and Community	right-to-Know Act	

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date	15-Apr-2015
Revision date	16-Apr-2015
Version #	02
Disclaimer	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.
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

Explanation of abbreviations

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



SAFETY DATA SHEET

1. Identification

Product identifier	HP Color LaserJet Q6470A-AC Black Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a black toner preparation that is used in HP Color LaserJet CP3505/3600/3800 series printers.
Recommended restrictions	None known.
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020 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

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures	
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Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<85
Wax	Wax	Trade Secret	<15
Carbon black		1333-86-4	<6
Amorphous silica	Amorphous silica	7631-86-9	<2

4. First-aid measures	
Inhalation	Move person to fresh air immediately. If irritation persists, consult a physician.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Most important symptoms/effects, acute and delayed	Not available.

5. Fire-fighting measures

5	
Suitable extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Fire-fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.
6. Accidental release me	asures
Personal precautions, protective equipment and emergency procedures	Minimize dust generation and accumulation.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
7. Handling and storage	
Precautions for safe 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.
Conditions for safe storage	Keen out of the reach of children. Store at room temperature. Store away from strong ovidizers

Conditions for safe storage,	Keep out of the reach of children. Store at room temperature. Store away from strong oxidizers.
including any	Keep tightly closed and dry.
incompatibilities	

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Components	Air Contaminants (29 CFR 1910.1000) Type	Value	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
US. ACGIH Threshold Limit Va Components	lues Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to C Components	hemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	

Biological limit values Exposure guidelines	No biological exposure limits noted for the ingredient(s). USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measure	es, such as personal protective equipment
Eye/face protection	Not available.
Skin protection	
Hand protection	Not available.
Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.

9. Physical and chemical properties

5.1 Hysical and chemical	
Appearance	Fine powder
Physical state	Solid.
Color	Black.
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	•
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	> 392 °F (> 200 °C)
Viscosity	Not applicable
Other information	
Percent volatile	0 % estimated
Softening point	212 - 302 °F (100 - 150 °C)
Specific gravity	1 - 1.2
Material name: 064701-10	

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon monoxide and carbon dioxide.

11. Toxicological information

Symptons related to the physical, characteristicsNot available.Information on toxicological characteristicsLDS0/oral/rat > 2000 mg/kg; (OECD 401); Not harmful. Not dassified for acute toxicity according to EU Directive 67/548/EEC and 1999/45/EC.Acute toxicityLDS0/oral/rat > 2000 mg/kg; (OECD 401); Not harmful. Not dassified as inritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.Respiratory enstitizationNot dassified as inritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.Respiratory enstitizationNot dassified as inritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.Germ cell mutagenicityNegative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)CarcinogenicityCarlon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group zapanizations indicate that exposure to carlon black, per se, does not cucru when it remains bound within a product matrix, specfically, rubber, ink, or paint. Carlon black is present only in a bound within a product matrix, specfically, rubber, ink, or paint. Carlon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified acarcinogenic to Humans.Reproductive toxicityNot available.Image: Salman Second S	11. Toxicological informa				
Acute toxicity LD50/oral/rat >2000 mg/kg; (OECD 401); Not harmful. Not classified for acute toxicity according to EU Directive 67/548/EEC and 1999/45/EC. Skin corrosion/irritation Not available. Serious eye damage/eye irritation Not available. Respiratory or skin sensitization Not available. Skin sensitization Not available. Skin sensitization Not available. Skin sensitization Not available. Germ cell mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of Callfornia under Proposition 6S. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogena according to ACGH, EU, IARC, MAK, NTP or OSHA. TARC Monographs. Overall Evaluation of Carcinogenicty Not available. Reproductive toxicity Not available. Specific target organ toxicity - single exposure Not available. Further information 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. Components Specific target organ toxicity - copaet Not available. Further information Directive Section 2 for potential health effects and Section 4 for first	physical, chemical and	Not available.			
Not classified for acute Toxicity according to EU Directive 67/548/EEC and 1999/45/EC. Skin corrosion/irritation Not available. Serious eye damage/eye irritation Not available. Respiratory or skin sensitization Not available. Respiratory sensitization Not available. Skin sensitization Not available. Skin sensitization Not available. Germ cell mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Carcinogenicity Carbon black is dassified as arcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not curr when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. Nore of the other ingredients in this preparation are classified as a carcinogenic to humans. Reproductive toxicity Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany). Specific target organ toxicity Not classified as toxic according to EU Directive 67/548/EEC and as amended. Specific target organ toxicity Not available. single exposure Not available. Specific target organ toxicity Not available. Further information Complete toxicity data are not available for this specific formulation Refer to Section 2 for po	Information on toxicological e	ffects			
Serious eye damage/eye inritation Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Respiratory sensitization Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Germ cell mutagenicity Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Germ cell mutagenicity Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Germ cell mutagenicity Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Germ cell mutagenicity Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Germ cell mutagenicity Not classified as irritant, according to ACGH, EU, IARC, MAK, NTP or OSHA. Zarbon black (CSA 1333-86-) 28 Possibly carcinogenic to humans. Reproductive toxicity Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany). Specific target organ toxicity Not available. - - repeated Exposure Not available. - Specific target organ toxicity Not available. - Further information Speci	Acute toxicity		45/EC.		
irritation Directive 67/548/EEC and as amended. Respiratory or skin sensitization Respiratory or skin sensitization Not available. Skin sensitization Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Germ cell mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Carcinogenicity Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGH + LU, IARC, MAK, NTP or OSHA. IARC Monographs. Overall Evaluation of Carcinogenicity Carbon black (CAS 1333-86-4) Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany). Specific target organ toxicity repeated exposure Not available. Not available. Chronic effects Not available. Chronic effects Not available. Chronic effects Not available. Amorphous silica (CAS 7631-86-9) Acute Oral LD50 Mouse Ret to Section 2 for potential health effects and Section 4 for first aid measures. Components Acute Oral LD50 Mouse Ret to Section 2 for potential health effects and Section 4 for first aid measures. Carbon black (CAS 1333-86-4) Acute Oral LD50 Mouse Ret to Section 2 for potential health effects and Section 4 for first aid measures. Carbon black (CAS 1333-86-4) Acute Oral LD50 Mouse Ret to Section 2 for potential health effects and Section 4 for first aid measures. Carbon black (CAS 1333-86-4) Acute Oral LD50 Mouse Ret to Section 2 for potential health effects and Section 4 for first aid measures. Components Acute Oral LD50 Mouse Ret to Section 2 for potential health effects and Section 4 for first aid measures. Component Acute Oral LD50 Mouse Section Componen	Skin corrosion/irritation	Not available.			
Respiratory sensitization Not available. Skin sensitization Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Germ cell mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Carcinogenicity Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 6S. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. IARC Monographs. Overall Evaluation of Carcinogenicity ZB Possibly carcinogenic to humans. Reproductive toxicity Not cassified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany). Specific target organ toxicity Not available. Image: Specific target organ toxicity repeated exposure Specific target organ toxicity Not available. Further information Specific target organ toxicity Not available. Further information Specific target organ toxicity Mouse Image: Specific target organ toxicity Acute Orga Mouse					
Skin sensitization Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 6/7548/EEC and as amended. Germ cell mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Carcinogenicity Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 6S. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, messe, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present to not due that in preparation. None of the other ingredients in this preparation are classified as a carcinogen to kuck (CAS 1333-86-4) IARC Monographs. Overall Evaluation of Carcinogenicity Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany). Specific target organ toxicity Not available. Not available. repeated exposure Not available. Section 2 for potential health effects and Section 4 for first aid measures. Components Species Test Results Amorphous silica (CAS 7631-86-9) Acute 22500 mg/kg Acute Ora/ it is in this in this preparation. 22500 mg/kg	Respiratory or skin sensitization	on			
Germ cell mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Carcinogenicity Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not coccur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogenes according to ACGIH, EU, IARC, MAK, NTP or OSHA. IARC Monographs. Overall Evaluation of Carcinogenicity Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans. Reproductive toxicity Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany). Specific target organ toxicity Not available. Not available. - repeated exposure Not available. Evaluation available. Further information Components Species Test Results Acute Ora/ LDSO Mouse > 15000 mg/kg Rat > 22500 mg/kg Carbon black (CAS 1333-86-4) > 22500 mg/kg	Respiratory sensitization	Not available.	Not available.		
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- repeated exposure Aspiration hazard Not available. Aspiration hazard Not available. Chronic effects No information available. Further information 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. Components Species Amorphous silica (CAS 7631-86-9) Acute Ora/ LD50 Mouse Rat > 15000 mg/kg Carbon black (CAS 1333-86-4) Acute Ora/ LD50 Mouse Rat > 22500 mg/kg		Not available.			
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Further informationComplete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.ComponentsSpeciesTest ResultsAmorphous silica (CAS 7631-86-9)Acute Ora/ LD50Mouse> 15000 mg/kgRat> 22500 mg/kgCarbon black (CAS 1333-86-4) Ora/ Acute Ora/Acute Ora/ LD50Acute Ora/ LD50Mouse> 15000 mg/kgCarbon black (CAS 1333-86-4)Acute Ora/Ora/Ora/Carbon black (CAS 1333-86-4)Acute Ora/ <tr< th=""><th>Aspiration hazard</th><th>Not available.</th><th></th></tr<>	Aspiration hazard	Not available.			
Refer to Section 2 for potential health effects and Section 4 for first aid measures. Components Species Test Results Amorphous silica (CAS 7631-86-9) Acute Oral Species Species D50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Carbon black (CAS 1333-86-4) Katue Oral Oral Under the section of the	Chronic effects	No information available.			
Amorphous silica (CAS 7631-86-9) Acute Oral LD50 Mouse Rat > 15000 mg/kg Carbon black (CAS 1333-86-4) Acute Oral LD50	Further information				
Acute Ora/ LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Carbon black (CAS 1333-86-4) Acute Ora/	Components	Species Test Results			
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LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Carbon black (CAS 1333-86-4) - Acute - Oral -	Acute				
Rat > 22500 mg/kg Carbon black (CAS 1333-86-4)	Oral				
Carbon black (CAS 1333-86-4) Acute Oral	LD50	Mouse > 15000 mg/kg			
Acute Oral		Rat > 22500 mg/kg			
Acute Oral	Carbon black (CAS 1333-86-4)				
LD50 Rat > 8000 mg/kg	Oral				
	LD50	Rat > 8000 mg/kg			

12. Ecological information	on		
Ecotoxicity Product		Species	Test Results
Q6470A-AC			
Aquatic			
Fish	LL50	Rainbow Trout	> 1000 mg/l, 96 Hours
Persistence and degradability	Not available		
Bioaccumulative potential	Not available		
Mobility in soil	Not available		
Other adverse effects	Not available	.	
13. Disposal considerati	ons		
Disposal instructions		rticles may form explosive mi	explosion prevention measures are taken. Finely extures in air. Dispose of in compliance with federal, state,
	HP original ir		recycling program enables simple, convenient recycling of For more information and to determine if this service is p://www.hp.com/recycle.
14. Transport information	on		
Further information	Not a danger	ous good under DOT, IATA,	ADR, IMDG, or RID.
15. Regulatory informat	ion		
US federal regulations		A Inventory: All chemical sub	stances in this product comply with all rules or orders
SARA 304 Emergency rele Not regulated. OSHA Specifically Regulat Not listed.			50)
Superfund Amendments and I	Peauthorizatio	on Act of 1986 (SARA)	
Hazard categories	Immediate H Delayed Haza Fire Hazard - Pressure Haz Reactivity Ha	azard - No ard - No No ard - No	
SARA 302 Extremely haza	ardous substa	nce	
Not listed.			
SARA 311/312 Hazardous chemical	No		
Other federal regulations			
Safe Drinking Water Act (SDWA)	Not regulated	d.	
US state regulations			
US. Massachusetts RTK - S		t	
Carbon black (CAS 1333- US. New Jersey Worker a	,	/ Right-to-Know Act	
Carbon black (CAS 1333- US. Pennsylvania Worker		ity Right-to-Know Law	
Carbon black (CAS 1333- US. Rhode Island RTK	-86-4)		
Not regulated.			
Material name: 06470A-AC			SDS

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (AIRBORNE, UNBOUND PARTICLES Listed: February 21, 2003 OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)

Regulatory information

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.

16. Other information, including date of preparation or last revision

Issue date Version #	16-Apr-2015 01
Disclaimer	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.
Revision Information	 Product and Company Identification: Physical States Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity Transport Information: Agency Name, Packaging Type, and Transport Mode Selection
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

Explanation of abbreviations

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