

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



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.

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.

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 H 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



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.

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.

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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 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 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) Expor 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 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



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.

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.
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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.

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



	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.

	-
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.

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	Tool Doculto
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



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.

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. 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 PA 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



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	
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. 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	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-	36-4) 2B Possib	ly 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	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	Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state and local regulations.			
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.			
14. Transport informatio	n			
Further information	Not a danger	ous good under DOT, IATA,	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	loouthorizotio	n Act of 1096 (SADA)		
Hazard categories	Immediate Ha Delayed Haza Fire Hazard - Pressure Haza Reactivity Haz	azard - No rd - No No ard - No		
SARA 302 Extremely haza	r <mark>dous substan</mark>			
Not listed.	rdous substan			
-	rdous substan No			
Not listed. SARA 311/312 Hazardous chemical				
Not listed. SARA 311/312 Hazardous chemical		ce		
Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations	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	No Not regulated Substance List			
Not listed. SARA 311/312 Hazardous chemical Other federal regulations Safe Drinking Water Act (SDWA) US state regulations	No Not regulated Gubstance 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	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	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



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 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

Ji i nysicai ana chenneai	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	> 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: 06470A-AC	

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, chancteristics Not available. Information on toxicological characteristics Carte toxicity LDS()/oral/rat > 2000 mg/kg; (DECD 401); Not harmful. Not classified for acute toxicity according to EU Directive 67/548/EEC and 1999/45/EC. Skin corrosion/irritation Not available. Not classified as initant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Respiratory ensitization Not classified as initant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Skin sensitization Not classified as initant, 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 Carlon black is classified as initant, according to DSHA 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) Carlon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans. Group 218) and by the State of Caclibra in under Proposition ST. In their evaluations of test preparation are classified as carcinogenic to humans. Reproductive toxicity Not available. Specific target organ toxicity Not available. Specific target organ toxicity Not available. Specific target organ toxicity Not available.		ition		
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 acasified for acute toxicity according to EU Directive 67/548/EEC and 1999/45/EC. 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 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 classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2E) and by the State of California under Proposition 65. In their evaluations of carbon black, borts acarcinogens according to ACGH, EU, IARC, MAK, NTP or OSHA. TARC Monographs. Overall Evaluation of Carcinogenicity Xot 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. • 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 Species Test Results Amorphous silica (CAS 7631-86-9) Acute Oral Acute Oral	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 Not available. Respiratory or skin sensitization Directive 67/548/EEC and as amended. Respiratory sensitization Not available. Skin sensitization Not available. 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 cour 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 toxic according to EU Directive 67/548/EEC and as amended. 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. single exposure Specific target organ toxicity <t< th=""><th>Information on toxicological e</th><th>ffects</th><th></th></t<>	Information on toxicological e	ffects		
Serious eye damage/eye initiant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. 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. Gern cell mutagenicity Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Gern cell mutagenicity Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended. Gern cell mutagenicity Vegative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Carbon black is classified as a carcinogen by the LARC (Dossibly carcinogenic to humans, Group ZB) and by the State of California under Proposition 65. In their evaluations of carbon black, por se, does not occur when it remains bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogen black (CAS 1333***) ZARC Monograph.S. Overall 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.	Acute toxicity			
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 Carcino black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 28) 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+, EU, 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 Species Species Species Species Species Components Species Spec	Skin corrosion/irritation	Not available.		
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 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 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. Image: Specific target organ toxicity repeated exposure Specific target organ toxicity Not available. Test Results Amorphous silica (CAS 7631-86-9) Specific target organ toxicity Not available. Test Results Amorphous silica (CAS 7631-86-9) Specific target organ toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. Mouse </th <th></th> <th></th> <th>Communication Standard (HCS) and EU</th>			Communication Standard (HCS) and EU	
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, mic, or paint. Carbon black is present notwitin a product matrix, specifically, rubber, ink, or paint. Carbon black is present notwitin a product matrix, specifically, rubber, ink, or paint. Carbon black is present notwitin a product matrix, specifically, rubber, ink, or paint. Carbon black is present notwiting a product matrix, specifically, rubber, ink, or paint. Carbon black is present notwiting a product matrix, specifically, rubber, ink, or paint. Carbon black is present notwiting a product matrix, specifically, rubber, ink, or paint. Carbon black is present notwiting a product matrix, specifically, rubber, ink, or paint. Specific target organ toxicity Not available. Vit available. Specific target organ toxicity Not available. Section 2 for potential health effects and Section 2 for first aid measures. Kerne Not available. Section 2 for potential health effects and Section 4 for first aid measures. Specific target organ toxicity Not available. Section 2 for potential health effects and Section 4 for first aid measures. Components Specis Mouse<	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 Aspiration hazard No information available. Further information Refer to Section 2 for potential health effects and Section 4 for first aid measures. Components Species Test Result	Respiratory sensitization	Not available.		
Carcinogenicity Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 28) and by the State of California under Proposition 65. In their evaluations of carbon black, bork 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 ACGIH, EU, IARC, MAK, PIR, 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, PIR, 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, PIR, ON, MAK, MAK, MAK, MAK, MAK, MAK, MAK, MAK	Skin sensitization		Communication Standard (HCS) and EU	
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 Valuation of Carcinogenic to ACGIH, EU, IARC, MAK, NTP or OSHA. 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. - single exposure Not available. Specific target organ toxicity Not available. - repeated exposure 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 1333-86-4) Mouse > 15000 mg/kg Acute Oral IAS > 22500 mg/kg	Germ cell mutagenicity	Negative, does not indicate mutagenic potential (An	nes Test: Salmonella typhimurium)	
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Acute Oral LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Carbon black (CAS 1333-86-4) Acute Oral	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)			
Oral				
		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		ticles may form explosive m	-explosion prevention measures are taken. Finely ixtures in air. Dispose of in compliance with federal, state,
	HP original in		s recycling program enables simple, convenient recycling o 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	US EPA TSCA under TSCA.	Inventory: All chemical sub	ostances 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	Poputhorizatio	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	rdous substar	nce	
Not listed.			
SARA 311/312 Hazardous chemical	No		
Other federal regulations			
Safe Drinking Water Act (SDWA)	Not regulated	1.	
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		ty Right-to-Know Law	
Carbon black (CAS 1333- US. Rhode Island RTK			
Not regulated.			
Material name: O6470A-AC			SDS U

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	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



1. Identification		
Product identifier	HP Color LaserJet CE343A-AC Magenta Print Cartridge	
Other means of identification	None.	
Recommended use	This product is a magenta toner preparation that is used in HP LJ Enterprise 700 Color MFP M77s series printers.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier	/Distributor information	
	HP Inc.	
	1501 Page Mill Road	
	Palo Alto, CA 94304-1112	
	United States	
Telephone	650-857-5020	
HP Inc. health effects line		
(Toll-free within the US)	1-800-457-4209	
(Direct)	1-760-710-0048	
HP Inc. 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	1	
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)	None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.	
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
Pigment	Pigment	Trade Secret	<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	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.

the chemical	dispersed in air.
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	Slowly vacuum or sweep the material into a bag or other sealed container. Clean remainder with a damp cloth or vacuum cleaner. If a vacuum is used, the motor must be rated as dust explosion-proof. Fine powder can form explosive dust-air mixtures. Dispose of in compliance with federal, state, and local regulations.
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,	Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store

away from strong oxidizers.

8. Exposure controls/personal protection

including any incompatibilities

Occupational exposure limits This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

US. NIOSH: Pocket Guide Components	e to Chemical Hazards Type	Value		
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3		
Biological limit values	No biological exposure limits noted	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 fraktio			
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

AppearanceFine powderPhysical stateSolid.Physical stateSolid.Physical stateSolid.FormSolid.ColorMagentaOdorSlight plastic odorOdor thresholdNot available.pHNot applicableInitial boiling point and boilingNot applicablerangeVarportableFlash pointNot applicableEvaporation rateNot applicableFlammability (solid, gas)Not available.Flammability (solid, gas)Not available.Flammability Imit - lowerNot flammable(%)Not available.Flammability limit - upper //ower flammability limit - upper //ower flammability isolid.Flammability limit - upper (%)Not available.Vapor pressureNot available.Vapor pressureNot applicableVapor densityNot available.Partition coefficient (n-ocefficient (n-oce		
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Upper/lower flammability or explosive limitsFlammability limit - lower (%)Not flammableFlammability limit - upper (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Vapor pressureNot available.Vapor densityNot applicableSolubility(ies)Not available.Solubility(water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not applicableAuto-ignition temperatureNot applicableDecomposition temperature (Not applicableNot applicableOther information>= 392 °F (>= 200 °C)ViscosityNo information available.Percent volatileNo information available.Percent volatileNo information available.Softening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Evaporation rate	Not applicable
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(%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Vapor pressureNot applicableVapor densityNot applicableSolubility(ies)Negligible in water. Partially soluble in toluene and xylene.Solubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not applicableAuto-ignition temperatureNot applicableDecomposition temperatureNot applicableOther informationNot applicableOther informationNo information available.Percent volatileNo information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)		Not flammable
Explosive limit - upper (%)Not available.Vapor pressureNot applicableVapor densityNot applicableSolubility(ies)Not applicableSolubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot applicableDecomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther informationNot applicablePercent volatileNo information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)		Not available.
Vapor pressureNot applicableVapor densityNot applicableSolubility(ies)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot applicableDecomposition temperatureNot applicableOts cosityNot applicableOther informationNot applicablePercent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Explosive limit - lower (%)	Not available.
Vapor densityNot applicableSolubility(ies)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot applicableDecomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther informationNot information available.Percent volatileNo information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Explosive limit - upper (%)	Not available.
Solubility(ies)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot applicableDecomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther informationNot information available.Percent volatileNo information available.Softening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Vapor pressure	Not applicable
Solubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot applicableDecomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther informationNot applicablePercent volatileNo information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Vapor density	Not applicable
Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot applicableDecomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther informationNot information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Solubility(ies)	
(n-octanol/water)Auto-ignition temperatureNot applicableDecomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther informationNo information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Decomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther informationNo information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)		Not available.
ViscosityNot applicableOther informationNo information available.Oxidizing propertiesNo information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Auto-ignition temperature	Not applicable
Other informationOxidizing propertiesNo information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Decomposition temperature	>= 392 °F (>= 200 °C)
Oxidizing propertiesNo information available.Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Viscosity	Not applicable
Percent volatileNegligibleSoftening point176 - 266 °F (80 - 130 °C)Specific gravity1 - 1.2 (H2O = 1)	Other information	
Softening point 176 - 266 °F (80 - 130 °C) Specific gravity 1 - 1.2 (H2O = 1)	Oxidizing properties	No information available.
Specific gravity 1 - 1.2 (H2O = 1)	Percent volatile	Negligible
	Softening point	176 - 266 °F (80 - 130 °C)
VOC Not applicable	Specific gravity	1 - 1.2 (H2O = 1)
	VOC	Not applicable

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

11. Toxicological information

Information on likely routes of e	xposure	
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.	
Skin contact	Contact with skin may result in mild irritation.	
Eye contact	Contact with eyes may result in mild irritation.	
Ingestion	Ingestion is not a likely route of exposure.	
Symptoms related to the physical, chemical and toxicological characteristics	Not available.	
Information on toxicological effe	ects	
Acute toxicity	Based on available data, the classification criteria are not met.	
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.	
Respiratory or skin sensitization	1	
Respiratory sensitization	Based on available data, the classification criteria are not met.	
Skin sensitization	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
IARC Monographs. Overall	Evaluation of Carcinogenicity	
Not listed. OSHA Specifically Regulate Not regulated.	d Substances (29 CFR 1910.1001-1050)	
US. National Toxicology Pro	ogram (NTP) Report on Carcinogens	
Not listed.		
Reproductive toxicity	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.	
Aspiration hazard	Based on available data, the classification criteria are not met.	
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.	

12. Ecological information

Ecotoxicity	LC50: > 100 mg/l, Fish, 96.00 Hours		
Product		Species	Test Results
CE343A-AC			
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 consideratio	ns	
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's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.	
14. Transport information		
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.	
15. Regulatory informatio	n	
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.	
TSCA Section 12(b) Export	Notification (40 CFR 707, Subpt. D)	
Not regulated. CERCLA Hazardous Substa	nce List (40 CFR 302.4)	
Not listed. SARA 304 Emergency relea	se notification	
	d Substances (29 CFR 1910.1001-1050)	
Not regulated.		
Superfund Amendments and Re Hazard categories	eauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely hazard	-	
Not listed.		
SARA 311/312 Hazardous chemical	No	
Other federal regulations		
Clean Air Act (CAA) Sectior	n 112 Hazardous Air Pollutants (HAPs) List	
	112(r) Accidental Release Prevention (40 CFR 68.130)	
Not regulated. Safe Drinking Water Act (SDWA)	Not regulated.	
US state regulations	Not Listed	
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, inc	luding date of preparation or last revision	
Issue date	16-Apr-2015	
Revision date	04-Sep-2018	
Version #	04	
Other information	This SDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).	

Disclaimer	This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.
	This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.
Revision information	Fire-fighting measures: Specific hazards arising from the chemical Accidental release measures: Methods and materials for containment and cleaning up Toxicological information: Eye contact Toxicological information: Ingestion Toxicological information: Inhalation Toxicological information: Skin contact Other information, including date of preparation or last revision: Disclaimer
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



1. Identification		
Product identifier	HP Color LaserJet CE341A-AC Cyan Print Cartridge	
Other means of identification	None.	
Recommended use	This product is a cyan toner preparation that is used in HP LJ Enterprise 700 Color MFP M775 series printers.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier	/Distributor information	
	HP Inc.	
	1501 Page Mill Road	
	Palo Alto, CA 94304-1112	
	United States	
Telephone	650-857-5020	
HP Inc. health effects line		
(Toll-free within the US)	1-800-457-4209	
(Direct)	1-760-710-0048	
HP Inc. 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	1	
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)	None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.	
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	<90
Pigment	Pigment	Trade Secret	<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	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.

the chemical	uisperseu in an.
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	Slowly vacuum or sweep the material into a bag or other sealed container. Clean remainder with a damp cloth or vacuum cleaner. If a vacuum is used, the motor must be rated as dust explosion-proof. Fine powder can form explosive dust-air mixtures. Dispose of in compliance with federal, state, and local regulations.
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,	Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store

8. Exposure controls/personal protection

away from strong oxidizers.

including any incompatibilities

Occupational exposure limits This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

Components	Туре	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 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): mg/m3		
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)		
Appropriate engineering controls	Use in a well ventilated area.		

Individual protection measures, such as personal protective equipment

lot available.
lot available.
lot available.
lot available.
lot available.

9. Physical and chemical properties

•	• •
Appearance	Fine powder
Physical state	Solid.
Form	solid
Color	Cyan
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 exp	losive 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
Vapor density	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	
Oxidizing properties	No information available.
Percent volatile	Negligible
Softening point	176 - 266 °F (80 - 130 °C)
Specific gravity	1 - 1.2 (H2O = 1)
VOC	Not applicable

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

11. Toxicological information

Information on likely routes of e	xposure
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Contact with skin may result in mild irritation.
Eye contact	Contact with eyes may result in mild irritation.
Ingestion	Ingestion is not a likely route of exposure.
Symptoms related to the physical, chemical and toxicological characteristics	Not available.
Information on toxicological effe	ects
Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	1
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
IARC Monographs. Overall I	Evaluation of Carcinogenicity
Not listed. OSHA Specifically Regulate Not regulated.	d Substances (29 CFR 1910.1001-1050)
	ogram (NTP) Report on Carcinogens
Not listed.	
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
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.

12. Ecological information

Ecotoxicity	LC50: > 100 m	ng/I, Fish, 96.00 Hours	
Product		Species	Test Results
CE341A-AC			
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 consideratio	ns
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's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.
14. Transport information	
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
15. Regulatory informatio	n
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
TSCA Section 12(b) Export	Notification (40 CFR 707, Subpt. D)
Not regulated. CERCLA Hazardous Substa	nce List (40 CFR 302.4)
Not listed. SARA 304 Emergency relea	se notification
	d Substances (29 CFR 1910.1001-1050)
Not regulated.	
Superfund Amendments and Re Hazard categories	eauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazard	-
Not listed.	
SARA 311/312 Hazardous chemical	No
Other federal regulations	
Clean Air Act (CAA) Sectior	n 112 Hazardous Air Pollutants (HAPs) List
	112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated. Safe Drinking Water Act (SDWA)	Not regulated.
US state regulations	Not Listed
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, inc	luding date of preparation or last revision
Issue date	16-Apr-2015
Revision date	03-Sep-2018
Version #	05
Other information	This SDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

Disclaimer	This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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. This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or
Revision information	compatible supplies in our recycling programs. Fire-fighting measures: Specific hazards arising from the chemical Accidental release measures: Methods and materials for containment and cleaning up Toxicological information: Eye contact Toxicological information: Ingestion Toxicological information: Inhalation Toxicological information: Skin contact Other information, including date of preparation or last revision: Disclaimer
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
	Taviaity Obana staniation Langhing Descedure

- TCLP Toxicity Characteristics Leaching Procedure
- TLV Threshold Limit Value
- TSCA Toxic Substances Control Act
- VOC Volatile Organic Compounds



1. Identification

Product identifier Other means of identification Recommended use	HP Color LaserJet CB382A-AC-YC Yellow Print Cartridge Not available. This product is a yellow toner preparation that is used in HP Color LaserJet CP6015, CP6030 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
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
Pigment	Pigment	Trade Secret	<5
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 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

Occupational exposure limits

Components	Туре	Value	
Yellow Toner (CAS 7631-86-9)	TWA	6 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): mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)		
	Amorphous silica: USA OSHA (TW) mg/m3	A/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10	
	TRGS 900 (Luftgrenzwert) - 10 mg	/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	ist), 5 mg/m3 (Inhalable Dust)	

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

• · · · · · · · · · · · · · · · · · · ·	Fire and a
Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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

Symptoms related to the physical, chemical and toxicological characteristics	Not available.		
Information on toxicological ef	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, 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	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).		
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	

12. Ecological information

Rat

Ecotoxicity			
Product		Species	Test Results
Yellow Toner			
Aquatic			
Fish	LL50	Rainbow Trout	> 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 considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport informatio	n		
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.		
15. Regulatory information	ion		
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.		
TSCA Section 12(b) Export	export Notification (40 CFR 707, Subpt. D)		
Not regulated.			
CERCLA Hazardous Substa	ance List (40 CFR 302.4)		
Not listed. SARA 304 Emergency rele	ase notification		
Not regulated.			
-	ed Substances (29 CFR 1910.1001-1050)		
	Reauthorization Act of 1986 (SARA)		
Hazard categories	Immediate Hazard - No		
·····	Delayed Hazard - No		
	Fire Hazard - No		
	Pressure Hazard - No Reactivity Hazard - No		
SARA 302 Extremely haza			
Not listed.			
SARA 311/312	No		
Hazardous chemical			
Other federal regulations			
Safe Drinking Water Act (SDWA)	Not regulated.		
US state regulations			
US. Massachusetts RTK - S	Substance List		
Not regulated. US. New Jersey Worker an	nd Community Right-to-Know Act		
-	and Community Right-to-Know Law		
Not listed. US. Rhode Island RTK			
Not regulated.			
US. California Proposition	65		
Not Listed.			
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, in	ncluding 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: Alternate Trade Names Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity Transport Information: Agency Name, Packaging Type, and Transport Mode Selection		

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



1. Identification

Product identifier Other means of identification Recommended use	HP Color LaserJet CB403A Magenta Print Cartridge Not available. This product is a magenta toner preparation that is used in HP Color LaserJet CP4005 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
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	
Pigment Pigment		Trade Secret	<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 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

Occupational exposure limits

US. NIOSH: Pocket Guic Components	le to Chemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 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)		
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	st), 5 mg/m3 (Inhalable Dust)	

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

	properties
Appearance	Fine powder
Physical state	Solid.
Color	Magenta
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	
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

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	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).		
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	

12. Ecological information

Rat

Ecotoxicity			
Product		Species	Test Results
CB403A			
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 considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport information	on		
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.		
15. Regulatory informat	ion		
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.		
TSCA Section 12(b) Expor	t Notification (40 CFR 707, Subpt. D)		
Not regulated. CERCLA Hazardous Substa	ance List (40 CFR 302.4)		
Not listed. SARA 304 Emergency rele	ase notification		
Not regulated. OSHA Specifically Regulat	red Substances (29 CFR 1910.1001-1050)		
Not listed.			
-	Reauthorization Act of 1986 (SARA)		
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No		
SARA 302 Extremely haza	rdous substance		
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		
Not regulated. US. New Jersey Worker ar	nd Community Right-to-Know Act		
-	and Community Right-to-Know Law		
Not listed. US. Rhode Island RTK			
Not regulated.			
US. California Proposition Not Listed.	65		
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, in	ncluding 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 Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity Transport Information: Agency Name, Packaging Type, and Transport Mode Selection		

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		



1. Identification

Product identifier Other means of identification	HP Color LaserJet CC532A-AC-L Yellow Print Cartridge Not available.		
Recommended use	This product is a yellow 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
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
Pigment	Pigment	Trade Secret	<5
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	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 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

Occupational exposure limits

US. NIOSH: Pocket Guic Components	le to Chemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 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, mg/m3 TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust) Use in a well ventilated area.		A/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10	
		m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
		st), 5 mg/m3 (Inhalable Dust)	

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

Appearance	Fine powder	
Physical state	Solid.	
Color	Yellow	
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	> 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	

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 ef	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	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).			
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		

12. Ecological information

Ecotoxicity			
Product		Species	Test Results
CC532A-AC-L			
Aquatic			
Fish	LL50	Fish	> 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 considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

Rat

14. Transport information			
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.		
15. Regulatory informat	ion		
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.		
TSCA Section 12(b) Expor	t Notification (40 CFR 707, Subpt. D)		
Not regulated.			
CERCLA Hazardous Substa	ance List (40 CFR 302.4)		
Not listed.	and notification		
SARA 304 Emergency rele Not regulated.			
-	ted Substances (29 CFR 1910.1001-1050)		
Not listed.			
Superfund Amendments and I	Reauthorization Act of 1986 (SARA)		
Hazard categories	Immediate Hazard - No		
	Delayed Hazard - No		
	Fire Hazard - No Pressure Hazard - No		
	Reactivity Hazard - No		
SARA 302 Extremely haza	Irdous substance		
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		
Not regulated. US. New Jersey Worker a	nd Community Right-to-Know Act		
Not listed.			
	and Community Right-to-Know Law		
Not listed. US. Rhode Island RTK			
Not regulated.			
US. California Proposition	65		
Not Listed.			
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. in	ncluding date of preparation or last revision		
Issue date	13-Mar-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		

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.

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

1. Identification

Product identifier Other means of identification Recommended use	HP Color LaserJet CE252A-AC-YC Yellow Print Cartridge Not available. This product is a yellow toner preparation that is used in HP Color LaserJet CP3525 and CM353C 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Common name and synonyms	CAS number	%
	Trade Secret	<85
Wax	Trade Secret	<10
Pigment	Trade Secret	<5
Amorphous silica	7631-86-9	<2
	Wax Pigment	Trade Secret Wax Trade Secret Pigment Trade Secret

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. Keep tightly closed and dry. Store away from strong oxidizers. Store at room temperature.

8. Exposure controls/personal protection

Occupational exposure limits

US. NIOSH: Pocket Guid Components	le to Chemical Hazards Type	Value
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3
Biological limit values	No biological exposure limits noted	for the ingredient(s).
Exposure guidelines	uidelinesUSA 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 mg/m3	V/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10
	TRGS 900 (Luftgrenzwert) - 10 mg,	m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	st), 5 mg/m3 (Inhalable Dust)

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

Appearance	Fine powder	
Physical state	Solid.	
Color	Yellow	
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)	
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

II. TOxicological informa		
Symptoms related to the physical, chemical and toxicological characteristics	Not available.	
Information on toxicological ef	ffects	
Acute toxicity	LD50/oral/rat >2000 mg/kg; (OECD 401); Not harm Not classified for acute toxicity according to EU Direct	
Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Directive 67/548/EEC and as amended.	Communication Standard (HCS) and EU
Respiratory or skin sensitization	on	
Respiratory sensitization	Not available.	
Skin sensitization	Not classified as irritant, according to OSHA Hazard Directive 67/548/EEC and as amended.	Communication Standard (HCS) and EU
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).	
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

12. Ecological information

13. Disposal considerations

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's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport information	 >n	
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.	
15. Regulatory informat	ion	
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.	
TSCA Section 12(b) Expor	t Notification (40 CFR 707, Subpt. D)	
Not regulated.		
CERCLA Hazardous Substa	ance List (40 CFR 302.4)	
Not listed. SARA 304 Emergency rele	as a notification	
Not regulated.		
-	ted Substances (29 CFR 1910.1001-1050)	
Not listed.	· · · · ·	
Superfund Amendments and I	Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely haza	irdous substance	
Not listed.		
SARA 311/312 Hazardous chemical	No	
Other federal regulations Safe Drinking Water Act	Not regulated.	
(SDWA)		
US state regulations		
US. Massachusetts RTK - S	Substance List	
Not regulated.	nd Community Dight to Know Act	
Not listed.	nd Community Right-to-Know Act	
	and Community Right-to-Know Law	
Not listed.		
US. Rhode Island RTK		
Not regulated.		
US. California Proposition	65	
Not Listed.		
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, in	ncluding date of preparation or last revision	
Issue date	11-Mar-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	

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.

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 CE262A-AC Yellow Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a yellow toner preparation that is used in HP Color LaserJet CP4525, CP4025 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Common name and synonyms	CAS number	%
	Trade Secret	<85
Wax	Trade Secret	<10
Pigment	Trade Secret	<5
Amorphous silica	7631-86-9	<2
	Wax Pigment	Trade Secret Wax Trade Secret Pigment Trade Secret

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 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

Occupational exposure limits

US. NIOSH: Pocket Guic Components	le to Chemical Hazards Type	Value		
Amorphous silica (CAS 7631-86-9)	TWA	6 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 mg/m3	/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10		
	TRGS 900 (Luftgrenzwert) - 10 mg/	m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)		
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	st), 5 mg/m3 (Inhalable Dust)		

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

Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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	176 - 266 °F (80 - 130 °C) 176 - 266 °F (80 - 130 °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

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, accordin Directive 67/548/EEC and as ame	g to OSHA Hazard Communication Standard (HCS) and EU nded.
Respiratory or skin sensitization	on	
Respiratory sensitization	Not available.	
Skin sensitization	Not classified as irritant, accordin Directive 67/548/EEC and as ame	g to OSHA Hazard Communication Standard (HCS) and EU nded.
Germ cell mutagenicity	Negative, does not indicate muta	genic potential (Ames Test: Salmonella typhimurium)
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).	
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		
Ului		

12. Ecological information

Rat

	Species	Test Results
LL50	Rainbow Trout	> 1000 mg/l, 96 Hours
Not available.		
	Not available. Not available. Not available.	LL50 Rainbow Trout Not available. Not available. Not available.

13. Disposal considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport informatio	n
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
15. Regulatory informati	on
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
TSCA Section 12(b) Export	Notification (40 CFR 707, Subpt. D)
Not regulated. CERCLA Hazardous Substa	nce List (40 CFR 302.4)
Not listed. SARA 304 Emergency relea	ase notification
Not regulated. OSHA Specifically Regulate Not listed.	ed Substances (29 CFR 1910.1001-1050)
Superfund Amendments and R	eauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely haza	rdous substance
Not listed. SARA 311/312	Νο
Hazardous chemical	
Other federal regulations	
Safe Drinking Water Act (SDWA)	Not regulated.
US state regulations	
US. Massachusetts RTK - S	Substance List
-	d Community Right-to-Know Act
Not listed.	and Community Right-to-Know Law
Not listed.	
US. Rhode Island RTK	
Not regulated.	
US. California Proposition Not Listed.	65
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, in	cluding 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

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 CE272A-AC Yellow Print Cartridge	
Other means of identification	Not available.	
Recommended use	This product is a yellow toner preparation that is used in HP Color LaserJet CLJ CP5525/ HP Color LaserJet Enterprise M750 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Common name and synonyms	CAS number	%
	Trade Secret	<85
Wax	Trade Secret	<10
Pigment	Trade Secret	<5
Amorphous silica	7631-86-9	<2
	Wax Pigment	Trade Secret Wax Trade Secret Pigment Trade Secret

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 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

Occupational exposure limits

US. NIOSH: Pocket Guide to Chemical Hazards			
Components	Туре	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 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 (TW mg/m3	A/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10	
	TRGS 900 (Luftgrenzwert) - 10 mg	/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	ıst), 5 mg/m3 (Inhalable Dust)	

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

	pi op ci dico
Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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	> 392 °F (> 200 °C)
Viscosity	Not applicable
Other information	
Percent volatile	Negligible
Softening point	176 - 266 °F (80 - 130 °C)
VOC (Weight %)	Not applicable

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	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).		
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	

12. Ecological information

Rat

Ecotoxicity			
Product		Species	Test Results
CE272A-AC			
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 considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport informatio	on		
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.		
15. Regulatory information	ion		
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.		
TSCA Section 12(b) Export	t Notification (40 CFR 707, Subpt. D)		
Not regulated. CERCLA Hazardous Substa	ance List (40 CFR 302.4)		
Not listed. SARA 304 Emergency rele	ase notification		
Not regulated.	ad Substances (20 CER 1010 1001 1050)		
Not listed.	ed Substances (29 CFR 1910.1001-1050)		
Superfund Amendments and R	Reauthorization Act of 1986 (SARA)		
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No		
SARA 302 Extremely haza	rdous substance		
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		
Not regulated. US. New Jersey Worker an	nd Community Right-to-Know Act		
Not listed.	and Community Bight to Know Law		
Not listed.	and Community Right-to-Know Law		
US. Rhode Island RTK			
Not regulated.			
US. California Proposition Not Listed.	65		
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: Alternate Trade Names Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Ecological Information: Ecotoxicity		

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

1. Identification

Product identifier	HP Color LaserJet CE342A-AC Yellow Print Cartridge	
Other means of identification	Not available.	
Recommended use	This product is a yellow toner preparation that is used in HP LJ Enterprise 700 Color MFP M775 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<90
Wax	Wax	Trade Secret	<10
Pigment	Pigment	Trade Secret	<5
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 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

Occupational exposure limits

US. NIOSH: Pocket Guid Components	le to Chemical Hazards Type	Value		
Amorphous silica (CAS 7631-86-9)	TWA	6 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/	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)		
Appropriate engineering controls				

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

Ammonum	
Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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	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	Negligible
Softening point	176 - 266 °F (80 - 130 °C) 176 - 266 °F (80 - 130 °C)
Specific gravity	1 - 1.2 (H2O = 1)
VOC (Weight %)	Not applicable

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

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, accord Directive 67/548/EEC and as a	ling to OSHA Hazard Communication Standard (HCS) and EU mended.
Respiratory or skin sensitization	on	
Respiratory sensitization	Not available.	
Skin sensitization	Not classified as irritant, accord Directive 67/548/EEC and as a	ling to OSHA Hazard Communication Standard (HCS) and EU mended.
Germ cell mutagenicity	Negative, does not indicate mu	tagenic potential (Ames Test: Salmonella typhimurium)
Carcinogenicity	Not a known or suspected card (USA), EU Directive, or Propos	inogen according to any IARC Monograph, NTP, OSHA Regulations tion 65 (California).
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

12. Ecological information

Ecotoxicity			
Product		Species	Test Results
CE342A-AC			
Aquatic			
Fish	LC50	Fish	> 100 mg/l, 96 Hours
Persistence and degradabilit	ty Not available	2.	
Bioaccumulative potential	Not available	<u>.</u>	
Mobility in soil	Not available	2.	
Other adverse effects	Not available	2.	

13. Disposal consideration	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's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.		
14. Transport information	on		
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.		
15. Regulatory informat	ion		
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.		
TSCA Section 12(b) Expor Not regulated. CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele			
Not regulated.	red Substances (29 CFR 1910.1001-1050)		
Superfund Amendments and I Hazard categories	Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - 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		
Not regulated. US. New Jersey Worker a	nd Community Right-to-Know Act		
-	and Community Right-to-Know Law		
Not listed. US. Rhode Island RTK Not regulated.			
US. California Proposition Not Listed.	65		
Regulatory information	All chemical substances in this HP product have been notified or are exempt from notification unde 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-Packarc 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: Alternate Trade Names Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties
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.	Ide	ntifica	ation

Product identifier	HP Color LaserJet CE402A-AC-YC Yellow Print Cartridge	
Other means of identification	Not available.	
Recommended use	This product is a yellow toner preparation that is used in HP LaserJet Enterprise 500 Color M551 , HP LaserJet Enterprise 500 color MFP M575 / HP LaserJet Pro 500 color MFP M570 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene acrylate copolymer		Trade Secret	<90
Wax	Wax	Trade Secret	<10
Pigment	Pigment	Trade Secret	<5
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.

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 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

Occupational exposure limits

US. NIOSH: Pocket Guid Components	le to Chemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Exposure guidelines	xposure 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 mg/m3	V/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10	
	TRGS 900 (Luftgrenzwert) - 10 mg/	m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	st), 5 mg/m3 (Inhalable Dust)	

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

Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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	> 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

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 ef	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, 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	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).			
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		

12. Ecological information

Species	Test Results
Fish	> 100 mg/l, 96 Hours
t available.	

13. Disposal considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

Rat

14. Transport information	on
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
15. Regulatory informat	ion
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
TSCA Section 12(b) Expor	t Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA Hazardous Substa	ance List (40 CFR 302.4)
Not listed.	
SARA 304 Emergency rele	ase notification
Not regulated.	red Substances (30 CER 1010 1001 1050)
	red Substances (29 CFR 1910.1001-1050)
Not listed.	
-	Reauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No
SARA 302 Extremely haza	ardous substance
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
Not regulated.	
US. New Jersey Worker a	nd Community Right-to-Know Act
Not listed.	
US. Pennsylvania Worker	and Community Right-to-Know Law
Not listed.	
US. Rhode Island RTK	
Not regulated.	
US. California Proposition	65
Not Listed.	
Regulatory information	All chemical substances in this HP product have been notified or are exempt from notification unde 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, in	ncluding date of preparation or last revision
Issue date	18-Sep-2014
Revision date	16-Apr-2015
	10 /14/ 2015

Version # 02 Disclaimer Thi

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.

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 CE412A-AC-L Yellow Print Cartridge		
Other means of identification	Not available.		
Recommended use	This product is a yellow 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
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
Pigment	Pigment	Trade Secret	<5
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 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

Occupational exposure limits

e to Chemical Hazards Type	Value	
TWA	6 mg/m3	
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)		
TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)		
UK WEL: 10 mg/m3 (Respirable Du	ist), 5 mg/m3 (Inhalable Dust)	
	TWA No biological exposure limits noted USA OSHA (TWA/PEL): 15 mg/m3 ACGIH (TWA/TLV): 10 mg/m3 (Inh Amorphous silica: USA OSHA (TW/ mg/m3 TRGS 900 (Luftgrenzwert) - 10 mg/	

Appropriate engineering controls	Use in a well ventilated area.		
	a such as norsenal protoctive equipment		
Eye/face protection	s, such as personal protective equipment 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	Yellow		
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)		
Specific gravity	1 - 1.2		
10 Stability and reactivit			

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

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	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).			
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		

12. Ecological information

Ecotoxicity			
Product		Species	Test Results
CE412A-AC-L			
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 toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.
14. Transport information	on
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
15. Regulatory informat	ion
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
TSCA Section 12(b) Expor Not regulated. CERCLA Hazardous Substa Not listed. SARA 304 Emergency rele	
Not regulated.	ted Substances (29 CFR 1910.1001-1050)
Superfund Amendments and I Hazard categories	Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely haza Not listed.	irdous substance
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
	nd Community Right-to-Know Act
Not listed. US. Pennsylvania Worker Not listed.	and Community Right-to-Know Law
US. Rhode Island RTK Not regulated.	
US. California Proposition Not Listed.	65
Regulatory information	All chemical substances in this HP product have been notified or are exempt from notification unde chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

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

Issue date	02-Dec-2014
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

CASChemical Abstracts ServiceCERCLAComprehensive Environmental Response Compensation and Liability ActCFRCode of Federal RegulationsCOCCleveland Open CupDOTDepartment of TransportationEPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELSuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	ACGIH	American Conference of Governmental Industrial Hygienists
CFRCode of Federal RegulationsCOCCleveland Open CupDOTDepartment of TransportationEPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELSuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	CAS	Chemical Abstracts Service
COCCleveland Open CupDOTDepartment of TransportationEPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	CERCLA	Comprehensive Environmental Response Compensation and Liability Act
DOTDepartment of TransportationEPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	CFR	Code of Federal Regulations
EPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELSuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	COC	Cleveland Open Cup
IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	DOT	Department of Transportation
NIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
NTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	IARC	International Agency for Research on Cancer
OSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	NIOSH	National Institute for Occupational Safety and Health
PELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	NTP	National Toxicology Program
RCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	OSHA	Occupational Safety and Health Administration
RECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	PEL	Permissible Exposure Limit
RELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	RCRA	Resource Conservation and Recovery Act
SARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure Limit	REC	Recommended
STEL Short-Term Exposure Limit	REL	Recommended Exposure Limit
	SARA	Superfund Amendments and Reauthorization Act of 1986
	STEL	Short-Term Exposure Limit
ICLP I OXICITY Characteristics Leaching Procedure	TCLP	Toxicity Characteristics Leaching Procedure
TLV Threshold Limit Value	TLV	Threshold Limit Value
TSCA Toxic Substances Control Act	TSCA	Toxic Substances Control Act
VOC Volatile Organic Compounds	VOC	Volatile Organic Compounds



SAFETY DATA SHEET

1. Identification

Product identifier	HP Color LaserJet CE742A Yellow Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a yellow toner preparation that is used in HP Color LaserJet CLJ CP 5225 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
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
Pigment	Pigment	Trade Secret	<5
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 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

Occupational exposure limits

US. NIOSH: Pocket Guic Components	Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Biological limit values	No biological exposure limits noted	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 (Inh	nalable Particulate), 3 mg/m3 (Respirable Particulate)	
	Amorphous silica: USA OSHA (TW. mg/m3	A/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10	
	TRGS 900 (Luftgrenzwert) - 10 mg	/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)	
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	ust), 5 mg/m3 (Inhalable Dust)	

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

	properties
Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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	Negligible
Softening point	176 - 266 °F (80 - 130 °C) 176 - 266 °F (80 - 130 °C)
VOC (Weight %)	Not applicable

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

III IOAlcological 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 Directive 67/548/EEC and as amen	to OSHA Hazard Communication Standard (HCS) and EU ded.
Respiratory or skin sensitization	on	
Respiratory sensitization	Not available.	
Skin sensitization	Not classified as irritant, according Directive 67/548/EEC and as amen	to OSHA Hazard Communication Standard (HCS) and EU ded.
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Not a known or suspected carcinog (USA), EU Directive, or Proposition	pen according to any IARC Monograph, NTP, OSHA Regulations 65 (California).
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

12. Ecological information

Rat

Ecotoxicity			
Product		Species	Test Results
CE742A (CAS Mixture)			
Aquatic			
Fish	LL50	Fish	> 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 considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport information		
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.	
15. Regulatory informati	ion	
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.	
TSCA Section 12(b) Export	t Notification (40 CFR 707, Subpt. D)	
Not regulated. CERCLA Hazardous Substa	ance List (40 CFR 302.4)	
Not listed. SARA 304 Emergency rele	ase notification	
Not regulated. OSHA Specifically Regulat	ed Substances (29 CFR 1910.1001-1050)	
Not listed.		
Superfund Amendments and R Hazard categories	Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely haza	rdous substance	
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	
-	nd Community Right-to-Know Act	
Not listed.	and Community Right-to-Know Law	
Not listed.		
US. Rhode Island RTK		
Not regulated.		
US. California Proposition Not Listed.	65	
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, ir	ncluding 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-Packarc 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	

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



SAFETY DATA SHEET

1. Identification

Product identifier	HP Color LaserJet CF032A-AC Yellow Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a yellow toner preparation that is used in HP Color LaserJet CM4540 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
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
Pigment	Pigment	Trade Secret	<5
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 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

Occupational exposure limits

US. NIOSH: Pocket Guid Components	le to Chemical Hazards Type	Value
Amorphous silica (CAS 7631-86-9)	TWA	6 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 (Inh	alable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA mg/m3	/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10
	TRGS 900 (Luftgrenzwert) - 10 mg/	m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	st), 5 mg/m3 (Inhalable Dust)

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

Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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	176 - 266 °F (80 - 130 °C) 176 - 266 °F (80 - 130 °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

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, accord Directive 67/548/EEC and as a	ling to OSHA Hazard Communication Standard (HCS) and EU mended.
Respiratory or skin sensitization	on	
Respiratory sensitization	Not available.	
Skin sensitization	Not classified as irritant, accord Directive 67/548/EEC and as a	ling to OSHA Hazard Communication Standard (HCS) and EU mended.
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Not a known or suspected card (USA), EU Directive, or Propos	inogen according to any IARC Monograph, NTP, OSHA Regulations tion 65 (California).
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

12. Ecological information

Rat

Ecotoxicity			
Product		Species	Test Results
CF032A-AC			
Aquatic			
Fish	LC50	Fish	> 100 mg/l, 96 Hours
Persistence and degrad	ability Not availal	ole.	
Bioaccumulative potent	ial Not availal	ole.	
Mobility in soil	Not availal	ole.	
Other adverse effects	Not availal	ple.	
Mobility in soil	Not availal	ole.	

13. Disposal considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport informatio	n
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
15. Regulatory informati	on
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
TSCA Section 12(b) Export	: Notification (40 CFR 707, Subpt. D)
Not regulated. CERCLA Hazardous Substa	nce List (40 CFR 302.4)
Not listed. SARA 304 Emergency relea	ase notification
Not regulated. OSHA Specifically Regulate Not listed.	ed Substances (29 CFR 1910.1001-1050)
Superfund Amendments and R	eauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely haza	rdous substance
Not listed. SARA 311/312	Νο
Hazardous chemical	
Other federal regulations	
Safe Drinking Water Act (SDWA)	Not regulated.
US state regulations	
US. Massachusetts RTK - S	ubstance List
-	d Community Right-to-Know Act
Not listed. US. Pennsylvania Worker a	and Community Right-to-Know Law
Not listed.	
US. Rhode Island RTK	
Not regulated.	
US. California Proposition Not Listed.	65
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, in	cluding date of preparation or last revision
Issue date	22-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

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	HP Color LaserJet CF312A-AC Yellow Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a yellow toner preparation that is used in HP Color LaserJet Enterprise M855 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%	
Styrene acrylate copolymer		Trade Secret	<90	
Wax	Wax	Trade Secret	<10	
Pigment	Pigment	Trade Secret	<5	
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 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

Occupational exposure limits

US. NIOSH: Pocket Guid Components	le to Chemical Hazards Type	Value
Amorphous silica (CAS 7631-86-9)	TWA	6 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 (Inh	alable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA mg/m3	V/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10
	TRGS 900 (Luftgrenzwert) - 10 mg/	m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	st), 5 mg/m3 (Inhalable Dust)

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

Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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

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, accord Directive 67/548/EEC and as an	ng to OSHA Hazard Communication Standard (HCS) and EU nended.	
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, accord Directive 67/548/EEC and as an	ing to OSHA Hazard Communication Standard (HCS) and EU nended.	
Germ cell mutagenicity	Negative, does not indicate mut	agenic potential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).		
IARC Monographs. Overall	Evaluation of Carcinogenicity	,	
Amorphous silica (CAS 76	31-86-9)	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		vailable for this specific formulation 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	

12. Ecological information

Ecotoxicity				
Product		Species	Test Results	
CF312A-AC				
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 toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.				
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.				
14. Transport information	on				
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.				
15. Regulatory informat	ion				
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.				
TSCA Section 12(b) Expor	t Notification (40 CFR 707, Subpt. D)				
Not regulated. CERCLA Hazardous Substa	ance List (40 CFR 302.4)				
Not listed. SARA 304 Emergency rele	ase notification				
Not regulated. OSHA Specifically Regulat Not listed.	red Substances (29 CFR 1910.1001-1050)				
	Reauthorization Act of 1986 (SARA)				
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No				
SARA 302 Extremely haza	ardous substance				
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				
-	631-86-9) nd Community Right-to-Know Act				
-	and Community Right-to-Know Law				
Amorphous silica (CAS 76 US. Rhode Island RTK Not regulated.	631-86-9)				
US. California Proposition Not Listed.	65				
Regulatory information	All chemical substances in this HP product have been notified or are exempt from notification unde chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.				

b. 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: Alternate Trade Names 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

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 Q5952A-AC Yellow Print Cartridge	
Other means of identification	Not available.	
Recommended use	This product is a yellow 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Common name and synonyms	CAS number	%
	Trade Secret	<85
Wax	Trade Secret	<15
Pigment	Trade Secret	<5
Amorphous silica	7631-86-9	<2
	Wax Pigment	Trade Secret Wax Trade Secret Pigment Trade Secret

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 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

Occupational exposure limits

US. NIOSH: Pocket Guid Components	le to Chemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 mg/m3	
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Exposure guidelines	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) Use in a well ventilated area.		
Appropriate engineering controls			

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

• · · · · · · · · · · · · · · · · · · ·	Fire and a
Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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

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 t Directive 67/548/EEC and as amend	o OSHA Hazard Communication Standard (HCS) and EU ed.
Respiratory or skin sensitization	on	
Respiratory sensitization	Not available.	
Skin sensitization	Not classified as irritant, according t Directive 67/548/EEC and as amend	o OSHA Hazard Communication Standard (HCS) and EU ed.
Germ cell mutagenicity	Negative, does not indicate mutage	nic potential (Ames Test: Salmonella typhimurium)
Carcinogenicity	Not a known or suspected carcinoge (USA), EU Directive, or Proposition	en according to any IARC Monograph, NTP, OSHA Regulations 55 (California).
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

12. Ecological information

Rat

Ecotoxicity			
Product		Species	Test Results
Q5952A-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 considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport information		
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.	
15. Regulatory information	ion	
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.	
TSCA Section 12(b) Export	t Notification (40 CFR 707, Subpt. D)	
Not regulated.		
CERCLA Hazardous Substa	ince List (40 CFR 302.4)	
Not listed. SARA 304 Emergency rele	ase notification	
Not regulated.		
-	red Substances (29 CFR 1910.1001-1050)	
	Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - No	
·····	Delayed Hazard - No	
	Fire Hazard - No	
	Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely haza	-	
Not listed.		
SARA 311/312	Νο	
Hazardous chemical		
Other federal regulations		
Safe Drinking Water Act (SDWA)	Not regulated.	
US state regulations		
US. Massachusetts RTK - S	Substance List	
Not regulated. US. New Jersey Worker an	nd Community Right-to-Know Act	
Not listed.	and Community Right-to-Know Law	
Not listed. US. Rhode Island RTK		
Not regulated.		
US. California Proposition	65	
Not Listed.		
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, in	ncluding 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	

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	HP Color LaserJet O6462A-AC Yellow Print Cartridge
Other means of identification	Not available.
Recommended use	This product is a yellow 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
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
Pigment	Pigment	Trade Secret	<5
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 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

Occupational exposure limits

US. NIOSH: Pocket Guid Components	le to Chemical Hazards Type	Value
Amorphous silica (CAS 7631-86-9)	TWA	6 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 (Inh	alable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA mg/m3	/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10
	TRGS 900 (Luftgrenzwert) - 10 mg/	m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du: Use in a well ventilated area.	st), 5 mg/m3 (Inhalable Dust)

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

Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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

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	in	
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 potential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).	
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

12. Ecological information

Species	Test Results
0 Rainbow Trout	> 1000 mg/l, 96 Hours
ot available.	
	·

13. Disposal considerations

Disposal instructionsDo not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely
dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state,
and local regulations.HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

> 22500 mg/kg

Rat

14. Transport information	on and a second s
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
15. Regulatory informat	ion
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
TSCA Section 12(b) Expor	t Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA Hazardous Substa	ance List (40 CFR 302.4)
Not listed.	
SARA 304 Emergency rele	ase notification
Not regulated.	ad Substances (20 CER 1010 1001 10E0)
	red Substances (29 CFR 1910.1001-1050)
Not listed.	
-	Reauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No
SARA 302 Extremely haza	ardous substance
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
Not regulated.	
US. New Jersey Worker ar	nd Community Right-to-Know Act
Not listed.	
US. Pennsylvania Worker	and Community Right-to-Know Law
Not listed.	
US. Rhode Island RTK	
Not regulated.	
US. California Proposition	65
Not Listed.	
Regulatory information	All chemical substances in this HP product have been notified or are exempt from notification unde 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, in	ncluding date of preparation or last revision
Issue date	15-Apr-2015
Revision date	16-Apr-2015

Version #

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.

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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	HP Color LaserJet Q6472A-AC Yellow Print Cartridge	
Other means of identification	Not available.	
Recommended use	This product is a yellow toner preparation that is used in HP Color LaserJet 3600 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
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	
Pigment	Pigment	Trade Secret	<5	
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 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

Occupational exposure limits

US. NIOSH: Pocket Guic Components	le to Chemical Hazards Type	Value
Amorphous silica (CAS 7631-86-9)	TWA	6 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 (Inh	alable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA mg/m3	/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10
	TRGS 900 (Luftgrenzwert) - 10 mg/	m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	st), 5 mg/m3 (Inhalable Dust)

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

Appearance	Fine powder
Physical state	Solid.
Color	Yellow
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	> 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

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 ef	ffects		
Acute toxicity	LD50/oral/rat >2000 mg/kg; (OECD 401); Not harm Not classified for acute toxicity according to EU Direc		
Skin corrosion/irritation	Not available.		
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Directive 67/548/EEC and as amended.	Communication Standard (HCS) and EU	
Respiratory or skin sensitization	on		
Respiratory sensitization	Not available.		
Skin sensitization	Not classified as irritant, according to OSHA Hazard Directive 67/548/EEC and as amended.	Communication Standard (HCS) and EU	
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Am	es Test: Salmonella typhimurium)	
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).		
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	

12. Ecological information

Ecotoxicity			
Product		Species	Test Results
Q6472A-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 considerations

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's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport information	n
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
15. Regulatory informat	ion
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
TSCA Section 12(b) Expor	t Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA Hazardous Substa	ance List (40 CFR 302.4)
Not listed.	and notification
SARA 304 Emergency rele Not regulated.	
-	ted Substances (29 CFR 1910.1001-1050)
Not listed.	
Superfund Amendments and I	Reauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No
	Delayed Hazard - No Fire Hazard - No Pressure Hazard - No
	Reactivity Hazard - No
SARA 302 Extremely haza	irdous substance
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
Not regulated.	
-	nd Community Right-to-Know Act
Not listed. US. Pennsylvania Worker	and Community Right-to-Know Law
Not listed.	
US. Rhode Island RTK	
Not regulated.	
US. California Proposition	65
Not Listed.	
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, in	ncluding date of preparation or last revision
Issue date	22-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.

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	HP Color LaserJet Q7582A-AC Yellow Print Cartridge		
Other means of identification	Not available.		
Recommended use	This product is a yellow toner preparation that is used in HP Color LaserJet CP3505/3800 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)	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.	
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
Pigment	Pigment	Trade Secret	<5
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 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

Occupational exposure limits

US. NIOSH: Pocket Guic Components	le to Chemical Hazards Type	Value	
Amorphous silica (CAS 7631-86-9)	TWA	6 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		alable 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)		
Appropriate engineering controls	UK WEL: 10 mg/m3 (Respirable Du Use in a well ventilated area.	st), 5 mg/m3 (Inhalable Dust)	

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

AppearanceFine powderPhysical stateSolid.ColorYellowOdorSolid, plastic odorOdor thresholdNot available.pHNot applicableMelting point/freezing pointNot applicableMelting point/freezing pointNot applicableBelting point/freezing pointNot applicableFlash pointNot applicableFlash pointNot applicableFlash pointNot applicableFlammability (solid, gas)Not available.(%)Not available.flammability limit - lower (%)Not available.flammability (water)Not available.flammability (water)Not available.flammability (water)Not available.flammability (water)Not available.flammability (water)Not available.flammability (water)Not available.flammabil			
ColorYellowOdorSlight plastic odorOdor thresholdNot available.pHNot applicableMelting point/freezing pointNot available.Initial boiling point and boiling rangeNot applicableFlash pointNot applicableFlash pointNot applicableFlammability (solid, gas)Not available.Upper/lower flammability or =>Josive limitsFlammability limit - lower (%)Not available.Flammability limit - lower (%)Not available.Explosive limit - lower (%)Not available.Vapor pressureNot available.Solubility(ies)Not available.Solubility(water)Not available.Partition coefficient (n-octanol/water)Not available.Not available.Not available.ViscosityNot applicableViscosityNot applicablePercent volatile0% estimatedSoftening point122 - 302 °F (100 - 150 °C)	Appearance	Fine powder	
OdorSlight plastic odorOdor thresholdNot available.pHNot applicableMelting point/freezing pointNot available.Initial boiling point and boiling rangeNot applicableFlash pointNot applicableEvaporation rateNot applicableFlammability (solid, gas)Not available.Upper/lower flammability or =voisve limitsFlammability limit - lower (%)Not available.Flammability limit - lower (%)Not available.Vapor pressureNot available.Solubility(ies)Not available.Solubility(water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not applicableAuto-ignition temperature ViscosityNot applicableDecomposition temperature Percent volatile>= 392 °F (>= 200 °C)ViscosityNot applicableOther information>= 392 °F (>= 200 °C)Parcent volatile0 % estimatedSoftening point212 - 302 °F (100 - 150 °C)	Physical state	Solid.	
Odor thresholdNot available.pHNot available.Melting point/freezing pointNot available.Initial boiling point and boiling rangeNot available.Flash pointNot applicableEvaporation rateNot applicableFlammability (solid, gas)Not available.Upper/lower flammability or (%)Not available.Flammability limit - lower (%)Not available.Flammability limit - lower (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - lower (%)Not available.Vapor pressureNot available.Solubility(ies)Not available.Solubility(water)Not available.Not available.Not available.(n-octanol/water)Not available.Auto-cignition temperature ViscosityNot applicableDecomposition temperature Percent volatileNot applicablePercent volatile0 % estimatedSoftening point212 - 302 °F (100 - 150 °C)	Color	Yellow	
pHNot applicableMelting point/freezing pointNot available.Initial boiling point and boiling rangeNot avplicableFlash pointNot applicableEvaporation rateNot applicableEvaporation rateNot applicableFlammability (solid, gas)Not available.Upper/lower flammability or upper/lower flammability or upper (%)Not flammableFlammability limit - lower (%)Not available.Flammability limit - lower (%)Not available.Explosive limit - lower (%)Not available.Vapor pressureNot available.Vapor pressureNot available.Solubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperature Percent volatileNot applicableOther information Percent volatileNot applicableOther information Percent volatile0 % estimatedParter volatile Softening point0 % estimated	Odor	Slight plastic odor	
Melting point/freezing pointNot available.Initial boiling point and boiling rangeNot applicableFlash pointNot applicableEvaporation rateNot applicableEvaporation rateNot available.Upper/lower flammability or v=voire limitsFlammability limit - lower (%)Flammability limit - lower (%)Not available.Flammability limit - lower (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Vapor pressureNot available.Solubility(ies)Not available.Solubility(water)Not available.Not available.Not available.(modified flammability (water)Not available.Solubility(water)Not available.Not available.Not available.(modified flammability (water)Not available.Solubility(water)Not available.Vapor pressureNot available.Solubility (water)Not available.Vator ignition temperatureNot available.Not available.>= 392 °F (>= 200 °C)ViscosityNot applicableOther information>= 392 °F (>= 200 °C)Percent volatile0 % estimatedSoftening point= 392 °F (100 - 150 °C)	Odor threshold	Not available.	
Initial boiling point and boiling rangeNot applicableFlash pointNot applicableEvaporation rateNot applicableFlammability (solid, gas)Not available.Upper/lower flammability or explosive limitsFlammability limit - lower (%)Flammability limit - lower (%)Not available.Flammability limit - lower (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Vapor pressureNot available.Solubility(ies)Not available.Solubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not applicableAuto-ignition temperature ViscosityNot applicableOther information Percent volatile>= 392 °F (>= 200 °C)ViscosityNot applicableOther information>= 392 °F (>= 200 °C)Parter tolatile0 % estimatedSoftening point212 - 302 °F (100 - 150 °C)	рН	Not applicable	
boiling rangeFlash pointNot applicableEvaporation rateNot available.Evaporation rateNot available.Upper/lower flammability or =vlosive limitsFlammability (solid, gas)Not available.(%)Not flammableflammability limit - lower (%)Not available.Flammability limit - lower (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Vapor pressureNot available.Solubility (water)Not available.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperature (Parcent volatileNot applicableDecomposition temperature Percent volatile>= 392 °F (>= 200 °C)ViscosityNot applicableOther information Percent volatile0 % estimatedSoftening point212 - 302 °F (100 - 150 °C)	Melting point/freezing point	Not available.	
Evaporation rateNot applicableFlammability (solid, gas)Not available.Upper/lower flammability or verbosive limitsFlammability limit - lowerNot flammable(%)Not available.Flammability limit - lowerNot available.(%)Not available.Explosive limit - lowerNot available.(%)Not available.Explosive limit - upperNot available.(%)Not available.Vapor pressureNot available.Solubility(ies)Not available.Solubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot applicableDecomposition temperatureNot applicableOther information Percent volatile0 % estimatedPercent volatile0 % estimatedSoftening point212 - 302 °F (100 - 150 °C)	• •	Not applicable	
Flammability (solid, gas)Not available.Upper/lower flammability or explosive limitsFlammability limit - lowerNot flammable(%)Not available.Flammability limit - upper (%)Not available.Explosive limit - lowerNot available.(%)Not available.Explosive limit - upperNot available.(%)Not available.Vapor pressureNot available.Solubility(ies)Not available.Solubility(ies)Not available.Partition coefficient (n-octanol/water)Not applicableAuto-ignition temperature Decomposition temperatureNot applicableDecomposition temperature (riscosityNot applicableOther information Percent volatile0 % estimatedPartet volatile (softening point0 % estimatedSolubility into (riscosityUpper (>= 200 °C)ViscosityNot applicableOther information Percent volatileUpper (>= 200 °C)ViscosityNot applicableOther informationUpper (>= 200 °C)Upper (Not applicableUpper (>= 200 °C)ViscosityNot applicableOther informationUpper (>= 200 °C)Upper (Not applicableUpper (>= 200 °C)Upper (Not applicableUp	Flash point	Not applicable	
Upper / lower flammability or explosive limitsFlammability limit - lower (%)Not flammable (%)Flammability limit - upper (%)Not available.Explosive limit - lower (%)Not available.(%)Kot available.Explosive limit - upper (%)Not available.(%)Not available.Vapor pressureNot available.Solubility(ies)Not applicableSolubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not applicableAuto-ignition temperature ViscosityNot applicableDecomposition temperature Percent volatile Softening pointNot applicable0 % estimated Softening point0 % estimated	Evaporation rate	Not applicable	
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(%)Not available.Flammability limit - upper (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Vapor pressureNot available.Solubility(ies)Not applicableSolubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not applicableAuto-ignition temperature Decomposition temperatureNot applicableOther information Percent volatile Softening point0 % estimatedSolubility0 % estimated	Upper/lower flammability or explosive limits		
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 (%) Explosive limit - upper (%) Vapor pressure Not available. Vapor pressure Not applicable Solubility(ies) Solubility (water) Negligible in water. Partially soluble in toluene and xylene. Partition coefficient (n-octanol/water) Auto-ignition temperature Decomposition temperature Not applicable >= 392 °F (>= 200 °C) Viscosity Not applicable Other information Percent volatile 0 % estimated 212 - 302 °F (100 - 150 °C) 		Not available.	
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Solubility(ies) Solubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperature Decomposition temperatureNot applicableDecomposition temperature Other information Percent volatileNot applicableOther information Softening point0 % estimated 		Not available.	
Solubility (water)Negligible in water. Partially soluble in toluene and xylene.Partition coefficient (n-octanol/water)Not available.Auto-ignition temperatureNot applicableDecomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther information Percent volatile0 % estimatedSoftening point212 - 302 °F (100 - 150 °C)	Vapor pressure	Not applicable	
Partition coefficient (n-octanol/water)Not available.Auto-ignition temperature Decomposition temperatureNot applicableDecomposition temperature Viscosity>= 392 °F (>= 200 °C)ViscosityNot applicableOther information Percent volatile Softening point0 % estimated 212 - 302 °F (100 - 150 °C)	Solubility(ies)		
(n-octanol/water)Not applicableAuto-ignition temperatureNot applicableDecomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther informationNot applicablePercent volatile0 % estimatedSoftening point212 - 302 °F (100 - 150 °C)	Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.	
Decomposition temperature>= 392 °F (>= 200 °C)ViscosityNot applicableOther information0 % estimatedPercent volatile0 % estimatedSoftening point212 - 302 °F (100 - 150 °C)		Not available.	
Viscosity Not applicable Other information 0 % estimated Percent volatile 0 % estimated Softening point 212 - 302 °F (100 - 150 °C)	Auto-ignition temperature	Not applicable	
Other informationPercent volatile0 % estimatedSoftening point212 - 302 °F (100 - 150 °C)	Decomposition temperature	>= 392 °F (>= 200 °C)	
Percent volatile 0 % estimated Softening point 212 - 302 °F (100 - 150 °C)	Viscosity	Not applicable	
Softening point 212 - 302 °F (100 - 150 °C)	Other information		
	Percent volatile	0 % estimated	
	Softening point		

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 t Directive 67/548/EEC and as amend	o OSHA Hazard Communication Standard (HCS) and EU ed.
Respiratory or skin sensitization	on	
Respiratory sensitization	Not available.	
Skin sensitization	Not classified as irritant, according t Directive 67/548/EEC and as amend	o OSHA Hazard Communication Standard (HCS) and EU ed.
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)	
Carcinogenicity	Not a known or suspected carcinoge (USA), EU Directive, or Proposition	en according to any IARC Monograph, NTP, OSHA Regulations 55 (California).
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

12. Ecological information

Rat

	Species	Test Results
LL50	Rainbow Trout	> 1000 mg/l, 96 Hours
Not available.		
	Not available. Not available. Not available.	LL50 Rainbow Trout Not available. Not available. Not available.

13. Disposal considerations

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.

> 22500 mg/kg

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport information	on
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
15. Regulatory informat	ion
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
	t Notification (40 CFR 707, Subpt. D)
Not regulated. CERCLA Hazardous Substa	ance List (40 CFR 302.4)
Not listed. SARA 304 Emergency rele	ase notification
Not regulated. OSHA Specifically Regulat	ed Substances (29 CFR 1910.1001-1050)
Not listed.	
-	Reauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely haza	rdous substance
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
Not regulated. US. New Jersey Worker ar	nd Community Right-to-Know Act
-	and Community Right-to-Know Law
Not listed. US. Rhode Island RTK	
Not regulated.	
US. California Proposition Not Listed.	65
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, in	ncluding 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

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