



MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

Identification of the preparation	HP Color LaserJet Q6000A Black Print Cartridge
Use of the preparation	This product is a black toner preparation that is used in HP Color LaserJet 1600/2600 series printers.
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA
Hewlett-Packard health effects line	
(Toll-free within the US)	1-800-457-4209
(Direct)	1-503-494-7199
General information telephone number	
HP Customer Care Line	1-800-474-6836
(Toll-free)	1-800-474-6836
(Direct)	1-208-323-2551
Date prepared	Apr 11, 2007
MSDS number	192389

2. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Styrene acrylate copolymer	Trade Secret	75 - 85
Wax	Trade Secret	5 - 15
Carbon black	1333-86-4	1 - 6
Amorphous silica	7631-86-9	1 - 2

3. Hazards Identification

Acute health effects	
Skin contact	Unlikely to cause skin irritation.
Eye contact	May cause transient slight irritation
Inhalation	Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.
Ingestion	Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.
Potential health effects	
Routes of exposure	Potential routes of exposure under normal use conditions are skin, eye contact and inhalation. Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.
Chronic health effects	Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.
Carcinogenicity	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.
Other information	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, and as amended.



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4. First Aid Measures

First aid procedures

Skin	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye	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.
Inhalation	Move person to fresh air immediately. 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.

5. Fire Fighting Measures

Flash point and method	Not applicable
Auto ignition temperature	Not applicable
Hazardous combustion products	Carbon monoxide and carbon dioxide.
Extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
Unusual fire and explosion hazard	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Special firefighting procedures	None established.

6. Accidental Release Measures

Personal precautions	Minimize dust generation and accumulation.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
Procedures if material is released or spilled	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.

7. Handling and Storage

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



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8. Exposure Controls/Personal Protection

Exposure limit values 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)

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)
Carbon black 1333-86-4 3.5 mg/m³ TWA
OSHA - Final PELs - Time Weighted Averages (TWAs)
Carbon black 1333-86-4 3.5 mg/m³ TWA

Personal protective equipment

General No personal respiratory protective equipment required under normal conditions of use.

Exposure guidelines Use in a well ventilated area.

9. Physical & Chemical Properties

pH Not applicable
Vapor pressure Not applicable
Boiling point Not applicable
Softening point 212 - 302 °F (100 - 150 °C)
Solubility Negligible in water. Partially soluble in toluene and xylene.
Specific gravity 1 - 1.2 (H₂O = 1)
Flash point Not applicable
Viscosity Not applicable
Vapor density Not applicable
Evaporation rate Not applicable
Flammability Not flammable
Appearance Fine powder
Form solid
Odor Slight plastic odor
Oxidizing properties No information available.
Other information Decomposition temperature: > 200 °C
Color Black

10. Chemical Stability & Reactivity Information

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

11. Toxicological Information

Complete toxicity data are not available for this specific formulation
Refer to Section 3 for potential health effects and Section 4 for first aid measures.



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Dermal irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.	
Eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.	
Sensitization	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).	
Chronic toxicity	No information available.	
Oral toxicity	LD50/oral/rat >2000 mg/kg, (OECD 401), Not harmful.	
Inhalation toxicity	Not classified for acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.	
	No information available.	
Carcinogenicity	Not classified for acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.	
	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.	
OSHA - Hazard Communication Carcinogens		
Carbon black	1333-86-4	Present
Mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)	
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).	
Symptoms and target organs		
NIOSH - Pocket Guide - Target Organs		
Amorphous silica	7631-86-9	respiratory system, eyes
NIOSH - Pocket Guide - Target Organs		
Carbon black	1333-86-4	respiratory system, eyes (lymphatic cancer in presence of PAHs)

12. ECOLOGICAL INFORMATION

Other information	This product has not been tested for ecological effects.
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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. Transportation Information

General	Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.
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15. Regulatory Information

International regulations	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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.
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MATERIAL SAFETY DATA SHEET

US federal regulations

US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

US TSCA 12(b): Contains p-Xylene (CAS No. 106-42-3), subject to export notification requirements.

HMIS ratings

Health: 1
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

16. Other Information**Other information**

This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

Issue date

Apr 11 2007 2:09PM

Revision

3

Replaces sheet dated

Nov 5 2006 6:41AM

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.

MSDS sections updated

1. Chemical Product and Company Identification: Use of the preparation
3. Hazards Identification: Routes of exposure
3. Hazards Identification: Carcinogenicity
8. Exposure Controls/Personal Protection: Exposure limit values
Physical & Chemical Properties: Material Properties
9. Physical & Chemical Properties: Other information
11. Toxicological Information: Carcinogenicity
13. Disposal Considerations: Disposal instructions
Transportation Information: Material Transportation Information
15. Regulatory Information: State regulations



MATERIAL SAFETY DATA SHEET

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



MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

Identification of the preparation	HP Color LaserJet Q6001A Cyan Print Cartridge
Use of the preparation	This product is a cyan toner preparation that is used in HP Color LaserJet 1600/2600 series printers.
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA
Hewlett-Packard health effects line	
(Toll-free within the US)	1-800-457-4209
(Direct)	1-503-494-7199
General information telephone number	
HP Customer Care Line	1-800-474-6836
(Toll-free)	1-800-474-6836
(Direct)	1-208-323-2551
Date prepared	Apr 30, 2007
MSDS number	192515

2. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Styrene acrylate copolymer	Trade Secret	75 - 85
Wax	Trade Secret	5 - 15
Copper compound	Trade Secret	1 - 5
Amorphous silica	7631-86-9	1 - 2

3. Hazards Identification

Acute health effects	
Skin contact	Unlikely to cause skin irritation.
Eye contact	May cause transient slight irritation
Inhalation	Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.
Ingestion	Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.
Potential health effects	
Routes of exposure	Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.
Chronic health effects	Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.
Carcinogenicity	None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Other information	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, and as amended.



MATERIAL SAFETY DATA SHEET

4. First Aid Measures

First aid procedures

Skin	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye	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.
Inhalation	Move person to fresh air immediately. 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.

5. Fire Fighting Measures

Flash point and method	Not applicable
Auto ignition temperature	Not applicable
Hazardous combustion products	Carbon monoxide and carbon dioxide.
Extinguishing media	CO ₂ , water, or dry chemical
Unsuitable extinguishing media	None known.
Unusual fire and explosion hazard	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Special firefighting procedures	None established.

6. Accidental Release Measures

Personal precautions	Minimize dust generation and accumulation.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
Procedures if material is released or spilled	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.

7. Handling and Storage

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

8. Exposure Controls/Personal Protection

Exposure limit values	USA OSHA (TWA/PEL): 15 mg/m ³ (Total Dust), 5 mg/m ³ (Respirable Fraction) ACGIH (TWA/TLV): 10 mg/m ³ (Inhalable Particulate), 3 mg/m ³ (Respirable Particulate)
Personal protective equipment	
General	No personal respiratory protective equipment required under normal conditions of use.



MATERIAL SAFETY DATA SHEET

Exposure guidelines

Use in a well ventilated area.

9. Physical & Chemical Properties

pH	Not applicable
Vapor pressure	Not applicable
Boiling point	Not applicable
Softening point	212 - 302 °F (100 - 150 °C)
Solubility	Negligible in water. Partially soluble in toluene and xylene.
Specific gravity	1 - 1.2 (H ₂ O = 1)
Flash point	Not applicable
Viscosity	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Flammability	Not flammable
Appearance	Fine powder
Form	solid
Odor	Slight plastic odor
Oxidizing properties	No information available.
Other information	Decomposition temperature: > 200 ° C
Color	Cyan

10. Chemical Stability & Reactivity Information

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

11. Toxicological Information

Complete toxicity data are not available for this specific formulation
Refer to Section 3 for potential health effects and Section 4 for first aid measures.

Dermal irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Sensitization	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
Chronic toxicity	No information available.
Oral toxicity	LD50/oral/rat >2000 mg/kg, (OECD 401), Not harmful. Not classified for acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.



MATERIAL SAFETY DATA SHEET

Inhalation toxicity	No information available.
	Not classified for acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).
Mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).
Symptoms and target organs	
NIOSH - Pocket Guide - Target Organs	
Amorphous silica	7631-86-9 respiratory system, eyes

12. ECOLOGICAL INFORMATION

Other information	This product has not been tested for ecological effects.
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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. Transportation Information

General	Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.
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15. Regulatory Information

International regulations	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.
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
	US TSCA 12(b): Contains p-Xylene (CAS No. 106-42-3), subject to export notification requirements.
HMIS ratings	Health: 1 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 1 Flammability: 1 Instability: 0
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No



MATERIAL SAFETY DATA SHEET

Hazard categories

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

16. Other Information**Other information**

This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

Issue date

Apr 30 2007 8:44AM

Revision

3

Replaces sheet dated

Nov 5 2006 7:27AM

Disclaimer

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MSDS sections updated

1. Chemical Product and Company Identification: Use of the preparation
Physical & Chemical Properties: Material Properties
Transportation Information: Material Transportation Information
15. Regulatory Information: State regulations

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



MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

Identification of the preparation	HP Color LaserJet Q6002A Yellow Print Cartridge
Use of the preparation	This product is a yellow toner preparation that is used in HP Color LaserJet 1600/2600 series printers.
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA
Hewlett-Packard health effects line	
(Toll-free within the US)	1-800-457-4209
(Direct)	1-503-494-7199
General information telephone number	
HP Customer Care Line	1-800-474-6836
(Toll-free)	1-800-474-6836
(Direct)	1-208-323-2551
Date prepared	Apr 30, 2007
MSDS number	192639

2. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Styrene acrylate copolymer	Trade Secret	75 - 85
Wax	Trade Secret	5 - 15
Pigment	Trade Secret	1 - 5
Amorphous silica	7631-86-9	1 - 2

3. Hazards Identification

Acute health effects	
Skin contact	Unlikely to cause skin irritation.
Eye contact	May cause transient slight irritation
Inhalation	Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.
Ingestion	Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.
Potential health effects	
Routes of exposure	Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.
Chronic health effects	Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.
Carcinogenicity	None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Other information	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, and as amended.



MATERIAL SAFETY DATA SHEET

4. First Aid Measures

First aid procedures

Skin	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye	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.
Inhalation	Move person to fresh air immediately. 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.

5. Fire Fighting Measures

Flash point and method	Not applicable
Auto ignition temperature	Not applicable
Hazardous combustion products	Carbon monoxide and carbon dioxide.
Extinguishing media	CO ₂ , water, or dry chemical
Unsuitable extinguishing media	None known.
Unusual fire and explosion hazard	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Special firefighting procedures	None established.

6. Accidental Release Measures

Personal precautions	Minimize dust generation and accumulation.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
Procedures if material is released or spilled	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.

7. Handling and Storage

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

8. Exposure Controls/Personal Protection

Exposure limit values	USA OSHA (TWA/PEL): 15 mg/m ³ (Total Dust), 5 mg/m ³ (Respirable Fraction) ACGIH (TWA/TLV): 10 mg/m ³ (Inhalable Particulate), 3 mg/m ³ (Respirable Particulate)
Personal protective equipment	
General	No personal respiratory protective equipment required under normal conditions of use.



MATERIAL SAFETY DATA SHEET

Exposure guidelines

Use in a well ventilated area.

9. Physical & Chemical Properties

pH	Not applicable
Vapor pressure	Not applicable
Boiling point	Not applicable
Softening point	212 - 302 °F (100 - 150 °C)
Solubility	Negligible in water. Partially soluble in toluene and xylene.
Specific gravity	1 - 1.2 (H ₂ O = 1)
Flash point	Not applicable
Viscosity	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Flammability	Not flammable
Appearance	Fine powder
Form	solid
Odor	Slight plastic odor
Oxidizing properties	No information available.
Other information	Decomposition temperature: > 200 ° C
Color	Yellow

10. Chemical Stability & Reactivity Information

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

11. Toxicological Information

Complete toxicity data are not available for this specific formulation
Refer to Section 3 for potential health effects and Section 4 for first aid measures.

Dermal irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Sensitization	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
Chronic toxicity	No information available.
Oral toxicity	LD50/oral/rat >2000 mg/kg, (OECD 401), Not harmful. Not classified for acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.



MATERIAL SAFETY DATA SHEET

Inhalation toxicity	No information available.		
	Not classified for acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.		
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).		
Mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)		
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).		
Symptoms and target organs			
NIOSH - Pocket Guide - Target Organs			
Amorphous silica	7631-86-9	respiratory system, eyes	

12. ECOLOGICAL INFORMATION

Other information	This product has not been tested for ecological effects.
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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. Transportation Information

General	Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.
IATA	
Proper shipping name	Not applicable
Special precautions	None
Packaging exceptions	None
Identification number (UN)	None
Packing group	N/A

15. Regulatory Information

International regulations	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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.		
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.		
	US TSCA 12(b): Contains p-Xylene (CAS No. 106-42-3), subject to export notification requirements.		
HMIS ratings	Health:	1	
	Flammability:	1	
	Physical hazard:	0	



MATERIAL SAFETY DATA SHEET

NFPA ratings

Health:	1
Flammability:	1
Instability:	0

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Hazard categories

- Immediate Hazard - No
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

16. Other Information

Other information This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

Issue date Apr 30 2007 9:34AM

Revision 2

Replaces sheet dated Nov 5 2006 8:17AM

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MSDS sections updated

- 1. Chemical Product and Company Identification: Use of the preparation
- 8. Exposure Controls/Personal Protection: Exposure limit values
- Physical & Chemical Properties: Material Properties
- 9. Physical & Chemical Properties: Other information
- 13. Disposal Considerations: Disposal instructions
- 15. Regulatory Information: State regulations



MATERIAL SAFETY DATA SHEET

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



MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

Identification of the preparation	HP Color LaserJet Q6003A Magenta Print Cartridge
Use of the preparation	This product is a magenta toner preparation that is used in HP Color LaserJet 1600/2600 series printers.
Manufacturer information	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA
Hewlett-Packard health effects line	
(Toll-free within the US)	1-800-457-4209
(Direct)	1-503-494-7199
General information telephone number	
HP Customer Care Line	1-800-474-6836
(Toll-free)	1-800-474-6836
(Direct)	1-208-323-2551
Date prepared	Apr 30, 2007
MSDS number	192763

2. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Styrene acrylate copolymer	Trade Secret	75 - 85
Wax	Trade Secret	5 - 15
Pigment	Trade Secret	1 - 6
Amorphous silica	7631-86-9	1 - 2

3. Hazards Identification

Acute health effects	
Skin contact	Unlikely to cause skin irritation.
Eye contact	May cause transient slight irritation
Inhalation	Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.
Ingestion	Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.
Potential health effects	
Routes of exposure	Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.
Chronic health effects	Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.
Carcinogenicity	None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
Other information	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, and as amended.



MATERIAL SAFETY DATA SHEET

4. First Aid Measures

First aid procedures

Skin	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye	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.
Inhalation	Move person to fresh air immediately. 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.

5. Fire Fighting Measures

Flash point and method	Not applicable
Auto ignition temperature	Not applicable
Hazardous combustion products	Carbon monoxide and carbon dioxide.
Extinguishing media	CO ₂ , water, or dry chemical
Unsuitable extinguishing media	None known.
Unusual fire and explosion hazard	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Special firefighting procedures	None established.

6. Accidental Release Measures

Personal precautions	Minimize dust generation and accumulation.
Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
Procedures if material is released or spilled	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.

7. Handling and Storage

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

8. Exposure Controls/Personal Protection

Exposure limit values	USA OSHA (TWA/PEL): 15 mg/m ³ (Total Dust), 5 mg/m ³ (Respirable Fraction) ACGIH (TWA/TLV): 10 mg/m ³ (Inhalable Particulate), 3 mg/m ³ (Respirable Particulate)
Personal protective equipment	
General	No personal respiratory protective equipment required under normal conditions of use.



MATERIAL SAFETY DATA SHEET

Exposure guidelines

Use in a well ventilated area.

9. Physical & Chemical Properties

pH	Not applicable
Vapor pressure	Not applicable
Boiling point	Not applicable
Softening point	212 - 302 °F (100 - 150 °C)
Solubility	Negligible in water. Partially soluble in toluene and xylene.
Specific gravity	1 - 1.2 (H ₂ O = 1)
Flash point	Not applicable
Viscosity	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Flammability	Not flammable
Appearance	Fine powder
Form	solid
Odor	Slight plastic odor
Oxidizing properties	No information available.
Other information	Decomposition temperature: > 200 ° C
Color	Magenta

10. Chemical Stability & Reactivity Information

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

11. Toxicological Information

Complete toxicity data are not available for this specific formulation
Refer to Section 3 for potential health effects and Section 4 for first aid measures.

Dermal irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Sensitization	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
Chronic toxicity	No information available.
Oral toxicity	LD50/oral/rat >2000 mg/kg, (OECD 401), Not harmful. Not classified for acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.



MATERIAL SAFETY DATA SHEET

Inhalation toxicity	No information available.		
	Not classified for acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.		
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).		
Mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)		
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).		
Symptoms and target organs			
NIOSH - Pocket Guide - Target Organs			
Amorphous silica	7631-86-9	respiratory system, eyes	

12. ECOLOGICAL INFORMATION

Other information	This product has not been tested for ecological effects.
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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. Transportation Information

General	Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.
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15. Regulatory Information

International regulations	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.		
US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.		
	US TSCA 12(b): Contains p-Xylene (CAS No. 106-42-3), subject to export notification requirements.		
HMIS ratings	Health:	1	
	Flammability:	1	
	Physical hazard:	0	
NFPA ratings	Health:	1	
	Flammability:	1	
	Instability:	0	
Superfund Amendments and Reauthorization Act of 1986 (SARA)			
Section 302 extremely hazardous substance	No		
Section 311 hazardous chemical	No		



MATERIAL SAFETY DATA SHEET

Hazard categories

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

16. Other Information

Other information

This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

Issue date

Apr 30 2007 10:30AM

Revision

2

Replaces sheet dated

Nov 5 2006 9:04AM

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