SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet 92298A-X Print Cartridge

Other means of identification Not available.

Recommended use This product is a toner preparation that is used in HP LaserJet 4/4 Plus/4M/4M Plus/5/5M 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

PreventionNot available.ResponseNot available.StorageNot available.DisposalNot available.

Hazard(s) not otherwise

classified (HNOC)

None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP,

OSHA or ACGIH.

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	%
Iron oxide	Iron oxide	1317-61-9	<55
Styrene acrylate copolymer		Trade Secret	<55
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.

Material name: 92298A-X SDS US

8911 Version #: 01 Issue date: 14-May-2015

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. Keep away from excessive heat, sparks, and open flames. Use with adequate ventilation.

Conditions for safe storage,

including any incompatibilities

Keep out of the reach of children. Keep tightly closed and dry. Store away from strong oxidizers.

Value

Store at room temperature.

8. Exposure controls/personal protection

Occupational exposure limits

US. NIOSH: Pocket Guide to Chemical Hazards
Components Type

Amorphous silica (CAS TWA 6 mg/m3

7631-86-9)

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)

TRGS 900 (Luftgrenzwert) - mg/m3 (Einatembare partikel), 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.

Material name: 92298A-X SDS US

8911 Version #: 01 Issue date: 14-May-2015

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.

PH Not applicable

Melting point/freezing point Not available.

Initial boiling point and Not applicable

boiling range

Flash point Not applicable
Evaporation rate Not available.
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 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 Not available. physical, chemical and toxicological characteristics

Information on toxicological effects

Acute toxicity

Material name: 92298A-X SDS US

8911 Version #: 01 Issue date: 14-May-2015

Skin corrosion/irritation Not available.

Serious eye damage/eye Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

irritation Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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).

IARC Monographs. Overall Evaluation of Carcinogenicity

Amorphous silica (CAS 7631-86-9) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicityNot 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.

Rat

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

> 22500 mg/kg

12. Ecological information

Ecotoxicity

Product Species Test Results

92298A-X 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 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 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

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

Material name: 92298A-X SDS US

UN proper shipping name

Magentized Material

Transport hazard class(es)

Class Not available.

Subsidiary risk -

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information

13 or more of these cartridges shipped together in a single package (e.g., box, container), by air, are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical
Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Amorphous silica (CAS 7631-86-9)

US. New Jersey Worker and Community Right-to-Know Act

Not listed

US. Pennsylvania Worker and Community Right-to-Know Law

Amorphous silica (CAS 7631-86-9)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

8911 Version #: 01 Issue date: 14-May-2015

Not Listed.

Regulatory informationAll 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.

Material name: 92298A-X

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

Issue date 14-May-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: Synonyms

Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties

Ecological Information: Ecotoxicity

Transport Information: Agency Name, Packaging Type, and Transport Mode Selection

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

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 name: 92298A-X SDS US



SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet C8543X-XC-YC Print Cartridge

Other means of identification Not available.

Recommended use This product is a toner preparation that is used in HP LaserJet

9000/9000mfp/9000L/9040/9040mfp/M9040mfp/9050/9050mfp/M9050mfp series printers.

Recommended restrictions 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

None. **Hazard symbol** Signal word None.

Hazard statement Not available.

Precautionary statement

Not available. **Prevention** Response Not available. Not available. **Storage 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	<55
Iron oxide	Iron oxide	1317-61-9	<50
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.

Material name: C8543X-XC-YC

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 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

Specific methods

Not available.

firefighters

Fire-fighting

If fire occurs in the printer, treat as an electrical fire.

equipment/instructions

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 Guide to Chemical Hazards Type

Amorphous silica (CAS **TWA** 6 mg/m3 7631-86-9)

Biological limit values

Components

No biological exposure limits noted for the ingredient(s).

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction) **Exposure guidelines**

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)

Value

UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)

Appropriate engineering

Use in a well ventilated area.

controls

Individual protection measures, such as personal protective equipment

Eye/face protection Not available.

Skin protection

Hand protection Not available.

Material name: C8543X-XC-YC SDS US

Not available. Other Respiratory protection Not available. Thermal hazards Not available.

9. Physical and chemical properties

Fine powder **Appearance**

Physical state Solid. Color Black.

Odor Slight plastic odor **Odor threshold** Not available. Not applicable рH Melting point/freezing point Not available. Initial boiling point and

boiling range

Not applicable

Flash point Not available. Not available. **Evaporation rate** 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.

Not applicable Vapor pressure

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)

1.4 - 1.8 Specific gravity

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 Carbon monoxide and carbon dioxide.

products

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

Material name: C8543X-XC-YC SDS US **Acute toxicity** LD50/oral/rat >2000 mg/kg; (OECD 401); Not harmful.

Not classified for acute toxicity according to EU Directive 67/548/EEC and 1999/45/EC.

Skin corrosion/irritation

Not available.

Serious eye damage/eye

irritation

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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).

IARC Monographs. Overall Evaluation of Carcinogenicity

Amorphous silica (CAS 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

Not available.

- single exposure

Specific target organ toxicity

Not available.

repeated exposureAspiration 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
	·	

C8543X-XC-YC

Aquatic

Fish LL50 Rainbow Trout > 1000 mg/l, 96 Hours

Persistence and degradabilityNot available.Bioaccumulative potentialNot available.Mobility in soilNot available.Other adverse effectsNot 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 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

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

Material name: C8543X-XC-YC 8961 Version #: 01 Issue date: 16-Apr-2015 UN proper shipping name

Magnetized Material

Transport hazard class(es)

Class Not available.

Subsidiary risk -

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 2 or more of these cartridges shipped together in a single package (e.g., box, container), by air, are

regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Amorphous silica (CAS 7631-86-9)

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Amorphous silica (CAS 7631-86-9)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

Not Listed.

Material name: C8543X-XC-YC SDS US

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 Composition / Information on Ingredients: Ingredients

Physical & Chemical Properties: Multiple Properties

Ecological Information: Ecotoxicity

Transport Information: Agency Name, Packaging Type, and Transport Mode Selection

15. Regulatory Information: United States

Material Attributes & Uses; Experimental Data: Physical 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

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 name: C8543X-XC-YC SDS US

SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet CE505A-AC-X-XC-XD Print Cartridge

Other means of identification Not available.

Recommended use This product is a toner preparation that is used in HP LaserJet P2055/P2035 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. Not classified. **Health hazards Environmental hazards** Not classified. **OSHA** defined hazards Not classified.

Label elements

None. **Hazard symbol** Signal word None.

Not available. **Hazard statement**

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. 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	<u></u> %
Styrene acrylate copolymer		Trade Secret	<55
Ferrite including zinc		Trade Secret	<50
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.

Material name: CE505A-AC-X-XC-XD SDS US

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

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

None known.

media

Specific hazards arising from

the chemical

Not applicable.

CO2, water, or dry chemical

Special protective equipment

and precautions for

firefiahters

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 **Type**

Amorphous silica (CAS **TWA** 6 mg/m3

7631-86-9)

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

Value

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

Not available. Eye/face protection

Material name: CE505A-AC-X-XC-XD SDS US 2/6 Skin protection

Hand protection Not available. Not available. Other 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. Ηq Not applicable Melting point/freezing point Not available. Initial boiling point and Not applicable

boiling range

Flash point Not applicable **Evaporation rate** Not applicable Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Not flammable 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** > 392 °F (> 200 °C)

Viscosity Not applicable

Other information

Percent volatile Negligible

Softening point 212 - 302 °F (100 - 150 °C)

Specific gravity 1.4 - 1.8 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.

Material name: CE505A-AC-X-XC-XD SDS US 10782 Version #: 01 Issue date: 16-Apr-2015

3/6

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

LD50/oral/rat >2000 mg/kg; (OECD 401); Not harmful. **Acute toxicity**

Not available.

Not classified for acute toxicity according to EU Directive 67/548/EEC and 1999/45/EC.

Skin corrosion/irritation

Serious eye damage/eye

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

irritation

Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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

None of the other ingredients in this preparation are classified as carcinogens according 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,

> 15000 mg/kg

SDS US

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 **Test Results** Species

Amorphous silica (CAS 7631-86-9)

Acute

Oral

LD50 Mouse

> > 22500 mg/kgRat

12. Ecological information

Ecotoxicity

Product Test Results Species

CE505A-AC-X-XC-XD

Aquatic

LL50 Fish Fish > 1000 mg/l, 96 Hours

Persistence and degradability Not available. **Bioaccumulative potential** Not available. Not available. Mobility in soil Not available. Other adverse effects

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.

Material name: CE505A-AC-X-XC-XD 4/6

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Transport hazard class(es)

Not available. Class

Subsidiary risk

Packing group Not applicable.

Environmental hazards

Special precautions for Not available.

user **IMDG**

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 47 or more of these cartridges shipped together in a single package (e.g., box, container), by air,

are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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)

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations Not applicable.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

Material name: CE505A-AC-X-XC-XD 5/6

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, 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

Material name: CE505A-AC-X-XC-XD SDS US 6/6

SAFETY DATA SHEET

1. Identification

Product identifier HP Color LaserJet CF214A-X-XC Black Print Cartridge

Other means of identification Not available.

Recommended useThis product is a toner preparation that is used in HP LJ Enterprise 700 M712 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

PreventionNot available.ResponseNot available.StorageNot available.DisposalNot 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. 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	<55
Ferrite including zinc		Trade Secret	<50
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.

Material name: CF214A-X-XC SDS US

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

least 15 minutes or until particles are removed. If irritation persists, consult a physician.

Ingestion

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

Most important

Not available.

symptoms/effects, acute and delayed

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

Not available.

firefighters

Fire-fighting

If fire occurs in the printer, treat as an electrical fire.

equipment/instructions **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

Value

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 **Type**

Amorphous silica (CAS **TWA** 6 mg/m3

7631-86-9)

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 measures, such as personal protective equipment

Eye/face protection

Not available.

Skin protection

Not available. Hand protection

Material name: CF214A-X-XC SDS US 2/6 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.

pH Not applicable

Melting point/freezing point Not available.

Initial boiling point and

boiling range

Not available.

Flash point

Evaporation rate

Not available.

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 No data available

Decomposition temperature >= 392 °F (>= 200 °C)

Viscosity Not applicable

Other information

Percent volatile Not applicable

Softening point 212 - 302 °F (100 - 150 °C)

212 - 302 °F (100 - 150 °C)

Specific gravity 1.4 - 1.8 (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

Hazardous decomposition

products

Carbon monoxide and carbon dioxide.

Material name: CF214A-X-XC SDS U

12879 Version #: 01 Issue date: 16-Apr-2015

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Not available.

Information on toxicological effects

Acute toxicity

irritation

Skin corrosion/irritation Not available.

Serious eye damage/eye

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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

None of the other ingredients in this preparation are classified as carcinogens according to ACGIH,

> 15000 mg/kg

EU, IARC, MAK, NTP or OSHA.

Reproductive toxicity
Specific target organ toxicity

Not available. Not available.

- single exposure

..

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

Rat > 22500 mg/kg

12. Ecological information

Ecotoxicity

Product	Species	Test Results
052444 1/1/0		

CF214A-X-XC

Aquatic

Fish LL50 Fish > 1000 mg/l, 96 Hours

Persistence and degradabilityNot available.Bioaccumulative potentialNot available.Mobility in soilNot available.Other adverse effectsNot 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 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.

Material name: CF214A-X-XC SDS US

12879 Version #: 01 Issue date: 16-Apr-2015

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Transport hazard class(es)

Class Not available.

Subsidiary risk -

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 25 or more of these cartridges shipped together in a single package (e.g., box, container), by air,

are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations Not applicable.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

Material name: CF214A-X-XC

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, 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

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

Material name: CF214A-X-XC

12879 Version #: 01 Issue date: 16-Apr-2015

SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet CF280A-X-XC-XD-XF Print Cartridge

Other means of identification Not available.

Recommended use This product is a toner preparation that is used in HP LaserJet Pro 400 M401, HP LaserJet Pro 400

MFP M425 series printers.

Recommended restrictions

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

None. **Hazard symbol** Signal word None.

Hazard statement Not available.

Precautionary statement

Not available. **Prevention** Response Not available. Not available. **Storage 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. 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	<55
Ferrite including zinc		Trade Secret	<50
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.

Material name: CF280A-X-XC-XD-XF

Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

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

None known.

Specific hazards arising from

the chemical

Not applicable.

CO2, water, or dry chemical

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

Value

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 **Type**

Amorphous silica (CAS **TWA** 6 ma/m3

7631-86-9)

Biological limit values

No biological exposure limits noted for the ingredient(s).

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction) **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)

Appropriate engineering

controls

Use in a well ventilated area.

SDS US 2/6 12746 Version #: 01 Issue date: 16-Apr-2015

Material name: CF280A-X-XC-XD-XF

Individual protection measures, such as personal protective equipment

Not available. **Eye/face protection**

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. рH Not applicable Not available. Melting point/freezing point Initial boiling point and Not applicable

boiling range

Flash point Not applicable Not applicable **Evaporation rate** Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower 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 Not available.

(n-octanol/water)

Auto-ignition temperature Not available

Decomposition temperature > 392 °F (> 200 °C)

Viscosity Not applicable

Other information

Percent volatile Negligible

Softening point 212 - 302 °F (100 - 150 °C)

Specific gravity 1.4 - 1.8 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 Carbon monoxide and carbon dioxide.

products

Material name: CF280A-X-XC-XD-XF SDS US 3/6 12746 Version #: 01 Issue date: 16-Apr-2015

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

Not available.

Serious eye damage/eye

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

irritation Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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

None of the other ingredients in this preparation are classified as carcinogens according 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

- 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.

Species Test Results Components

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
·		

CF280A-X-XC-XD-XF

Aquatic

LL50 Fish Fish > 1000 mg/l, 96 Hours

Persistence and degradability Not available. Not available. **Bioaccumulative potential** 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.

Material name: CF280A-X-XC-XD-XF

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized material

Transport hazard class(es)

Not available. Class

Subsidiary risk

Not applicable. **Packing group**

Environmental hazards

Special precautions for Not available.

user

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 88 or more of these cartridges shipped together in a single package (e.g., box, container), by air,

are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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)

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations Not applicable.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

Material name: CF280A-X-XC-XD-XF 5/6

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, 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

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

Material name: CF280A-X-XC-XD-XF

SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet CZ192A-AC Print Cartridge

Other means of identification Not available.

Recommended use This product is a toner preparation that is used in HP LaserJet Pro MFP M435/ HP LaserJet Pro

M701/ HP LaserJet Pro M706 series printers.

Recommended restrictions

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

None. **Hazard symbol** Signal word None.

Hazard statement Not available.

Precautionary statement

Not available. **Prevention** Response Not available. Not available. **Storage 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	<55
Ferrite including zinc		Trade Secret	<50
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.

Material name: CZ192A-AC SDS US 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 with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

Most important

symptoms/effects, acute and

delayed

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

CO2, water, or dry chemical

None known.

Not available.

Specific hazards arising from

the chemical

Not applicable.

Special protective equipment

and precautions for

firefighters

Fire-fighting equipment/instructions Not available.

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. Keep tightly closed and dry. Store away from strong oxidizers.

8. Exposure controls/personal protection

Occupational exposure limits

US. NIOSH: Pocket Guide to Chemical Hazards Type Components

Amorphous silica (CAS **TWA** 6 mg/m3 7631-86-9)

Biological limit values

No biological exposure limits noted for the ingredient(s).

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction) **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

Value

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

Not available. Eye/face protection

Material name: CZ192A-AC SDS US Skin protection

Hand protectionNot available.OtherNot available.Respiratory protectionNot available.Thermal hazardsNot available.

9. Physical and chemical properties

Appearance Fine powder
Physical state Solid.
Color Black.

Odor Slight plastic odor
Odor threshold Not available.

pH Not applicable

Melting point/freezing point Not available.

Initial boiling point and Not available.

boiling range

Flash point Not applicable
Evaporation rate Not available.
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 temperatureNo data availableDecomposition temperature> 392 °F (> 200 °C)ViscosityNot applicable

Other information

Percent volatile Negligible

Softening point 212 - 302 °F (100 - 150 °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.

Material name: CZ192A-AC sps us

13204 Version #: 01 Issue date: 22-Apr-2015

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Not available.

Information on toxicological effects

Acute toxicity LD50/oral/rat >2000 mg/kg; (OECD 401); Not harmful.

Not classified for acute toxicity according to EU Directive 67/548/EEC and 1999/45/EC.

Skin corrosion/irritation

Not available.

Serious eye damage/eye

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

irritation

Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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

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 7631-86-9)

3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity

Specific target organ toxicity

Not available.

- single exposure

Specific target organ toxicity

Not available.

Rat

- repeated exposure

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

> 22500 mg/kg

12. Ecological information

Ecotoxicity

Product	Species	Test Results
CZ192A-AC		

Aquatic

Aquatic

Fish LL50 Fish > 1000 mg/l, 96 Hours

Persistence and degradabilityNot available.Bioaccumulative potentialNot available.Mobility in soilNot available.Other adverse effectsNot available.

Material name: CZ192A-AC SDS US

13204 Version #: 01 Issue date: 22-Apr-2015

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

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Transport hazard class(es)

Not available.

Subsidiary risk

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user **IMDG**

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 25 or more of these cartridges shipped together in a single package (e.g., box, container), by air,

> are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Amorphous silica (CAS 7631-86-9)

Material name: CZ192A-AC 5/6

13204 Version #: 01 Issue date: 22-Apr-2015

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Amorphous silica (CAS 7631-86-9)

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, including 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: 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

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

Material name: CZ192A-AC SDS US



SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet Q2612A-AC-AD-AF-L Print Cartridge

Other means of identification Not available.

This product is a toner preparation that is used in HP LaserJet Recommended use

M1005mfp/1010/1012/1015/1018/1020/1020

plus/1022/M1319fmfp/3015/3020/3030/3050/3050Z/3052/3055 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. **Physical hazards Health hazards** Not classified. **Environmental hazards** Not classified. **OSHA** defined hazards Not classified.

Label elements

None. **Hazard symbol** Signal word None.

Hazard statement Not available.

Precautionary statement

Prevention Not available. Response Not available. **Storage** Not available. Not available. **Disposal**

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	<u> </u>
Styrene acrylate copolyme	r	Trade Secret	<55
Iron oxide	Iron oxide	1317-61-9	<50
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.

Material name: Q2612A-AC-AD-AF-L

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.

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

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

Fire-fighting equipment/instructions Not available.

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 Type Components

Amorphous silica (CAS **TWA** 6 mg/m3 7631-86-9)

Biological limit values

No biological exposure limits noted for the ingredient(s).

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction) **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

Value

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.

Material name: Q2612A-AC-AD-AF-L SDS US 8926 Version #: 01 Issue date: 16-Apr-2015 2/6 Skin protection

Hand protection Not available. Not available. Other 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. Ηq Not applicable Melting point/freezing point Not available. Initial boiling point and Not applicable

boiling range

Flash point Not applicable **Evaporation rate** Not available. 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.

Not applicable Vapor pressure

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 1.4 - 1.8

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.

Material name: Q2612A-AC-AD-AF-L

SDS US 3/6 8926 Version #: 01 Issue date: 16-Apr-2015

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

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

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

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

None of the ingredients have been classified as carcinogens according to 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

- 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

Q2612A-AC-AD-AF-L

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 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 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.

Material name: Q2612A-AC-AD-AF-L SDS US

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Transport hazard class(es)

Not available. Class

Subsidiary risk

Packing group Not applicable.

Environmental hazards

Special precautions for Not available.

user

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 168 or more of these cartridges shipped together in a single package (e.g., box, container), by air,

are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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)

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

Material name: Q2612A-AC-AD-AF-L

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, including date of preparation or last revision

Issue date 16-Apr-2015

Version # 01

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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: Synonyms

2. Hazards Identification: US Hazardous

Composition / Information on Ingredients: Ingredients Exposure Controls / Personal Protection: OELs Physical & Chemical Properties: Multiple Properties

Ecological Information: Ecotoxicity

Transport Information: Agency Name, Packaging Type, and Transport Mode Selection

15. Regulatory Information: United States

Material Attributes & Uses; Experimental Data: Physical 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

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 name: Q2612A-AC-AD-AF-L SDS US

SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet Q2613A-X Print Cartridge

Other means of identification Not available.

Recommended useThis product is a toner preparation that is used in HP LaserJet 1300 series printers

Recommended restrictions None known.

Company identificationHewlett-Packard Company 3000 Hanover Street

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

PreventionNot available.ResponseNot available.StorageNot available.DisposalNot 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 copolyme	1	Trade Secret	<55
Iron oxide	Iron oxide	1317-61-9	<50
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.

Material name: Q2613A-X SDS US

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Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

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 None known.

Unsuitable extinguishing

media

Specific hazards arising from

the chemical

Not applicable.

Special protective equipment

and precautions for

firefiahters

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. Keep tightly closed and dry. Store

away from strong oxidizers.

8. Exposure controls/personal protection

Occupational exposure limits

US. NIOSH: Pocket Guide to Chemical Hazards Components **Type**

Amorphous silica (CAS **TWA** 6 mg/m3

7631-86-9)

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

Value

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

Not available. Eye/face protection

Material name: Q2613A-X SDS US Skin protection

Hand protection Not available. Not available. Other 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. Ηq Not applicable Melting point/freezing point Not available. Initial boiling point and Not applicable

boiling range

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.

Not applicable Vapor pressure

Solubility(ies)

Solubility (water) Negligible in water. Partially soluble in toluene and xylene.

Partition coefficient

(n-octanol/water)

Not available.

Auto-ignition temperature Decomposition temperature

Not applicable > 392 °F (> 200 °C)

Viscosity Not applicable

Other information

Percent volatile 0 % estimated

Softening point 212 - 302 °F (100 - 150 °C)

Specific gravity 1.4 - 1.8

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.

Material name: Q2613A-X SDS US

9454 Version #: 01 Issue date: 16-Apr-2015

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

LD50/oral/rat >2000 mg/kg; (OECD 401); Not harmful. **Acute toxicity**

Not classified for acute toxicity according to EU Directive 67/548/EEC and 1999/45/EC.

Skin corrosion/irritation

Not available.

Serious eye damage/eye irritation

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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).

Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, Reproductive toxicity

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 **Test Results** Species

Amorphous silica (CAS 7631-86-9)

Acute

Oral

LD50 Mouse > 15000 mg/kg

> > 22500 mg/kgRat

12. Ecological information

Ecotoxicity

Product Test Results Species

Q2613A-X

Aquatic

LL50 Fish Rainbow Trout > 1000 mg/l, 96 Hours

Persistence and degradability Not available. **Bioaccumulative potential** Not available. Not available. Mobility in soil Not available. Other adverse effects

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.

Material name: Q2613A-X SDS US

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Transport hazard class(es)

Class Not available.

Subsidiary risk

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 57 or more of these cartridges shipped together in a single package (e.g., box, container), by air,

are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

Material name: Q2613A-X SDS US

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, 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: Synonyms

Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties

Ecological Information: Ecotoxicity

Transport Information: Agency Name, Packaging Type, and Transport Mode Selection

15. 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

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 name: Q2613A-X SDS US

SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet Q2624A-X Print Cartridge

Other means of identification Not available.

Recommended useThis product is a toner preparation that is used in HP LaserJet 1150 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

PreventionNot available.ResponseNot available.StorageNot available.DisposalNot 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	<55
Iron oxide	Iron oxide	1317-61-9	<50
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.

Material name: Q2624A-X sps us

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Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

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

None known.

CO2, water, or dry chemical

Specific hazards arising from

the chemical

Not applicable.

Special protective equipment

and precautions for

firefiahters

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 Guide to Chemical Hazards Components **Type**

Amorphous silica (CAS **TWA** 6 mg/m3

7631-86-9)

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

Value

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

Not available. Eye/face protection

Material name: Q2624A-X SDS US Skin protection

Hand protectionNot available.OtherNot available.Respiratory protectionNot available.Thermal hazardsNot available.

9. Physical and chemical properties

Appearance Fine powder
Physical state Solid.
Color Black.

Odor Slight plastic odor
Odor threshold Not available.

PH Not applicable

Melting point/freezing point Not available.

Initial boiling point and Not applicable

boiling range

Flash point Not applicable
Evaporation rate Not applicable
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits

Flammability limit - lower No

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 temperatureNot applicableDecomposition temperature> 392 °F (> 200 °C)ViscosityNot applicable

Other information

Percent volatile 0 % estimated

Softening point 212 - 302 °F (100 - 150 °C)

Specific gravity 1.4 - 1.8

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.

Material name: Q2624A-X sps us

9459 Version #: 01 Issue date: 16-Apr-2015

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

LD50/oral/rat >2000 mg/kg; (OECD 401); Not harmful. **Acute toxicity**

Not classified for acute toxicity according to EU Directive 67/548/EEC and 1999/45/EC.

Skin corrosion/irritation

Not available.

Serious eye damage/eye irritation

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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 **Test Results** Species

Amorphous silica (CAS 7631-86-9)

Acute

Oral

LD50 Mouse > 15000 mg/kg

> > 22500 mg/kgRat

12. Ecological information

Ecotoxicity

Product Test Results Species

Q2624A-X

Aquatic

LL50 Fish Rainbow Trout > 1000 mg/l, 96 Hours

Persistence and degradability Not available. **Bioaccumulative potential** Not available. Not available. Mobility in soil Not available. Other adverse effects

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.

Material name: Q2624A-X SDS US

9459 Version #: 01 Issue date: 16-Apr-2015

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Transport hazard class(es)

Class Not available.

Subsidiary risk

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 57 or more of these cartridges shipped together in a single package (e.g., box, container), by air,

are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

US Federal regulationsUS 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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

Material name: Q2624A-X

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, 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: Synonyms

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

Material name: Q2624A-X



SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet Q5949A-X-XC-XD Print Cartridge

Other means of identification Not available.

Recommended use This product is a toner preparation that is used in HP LaserJet 1160/1320/3390/3392 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

None. **Hazard symbol** Signal word None.

Hazard statement Not available.

Precautionary statement

Not available. **Prevention** Response Not available. Not available. **Storage 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	<55
Iron oxide	Iron oxide	1317-61-9	<50
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.

Material name: Q5949A-X-XC-XD SDS US 1/6 Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

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.

Value

Keep tightly closed and dry.

8. Exposure controls/personal protection

Occupational exposure limits

US. NIOSH: Pocket Guide to Chemical Hazards Components **Type**

Amorphous silica (CAS **TWA** 6 ma/m3

7631-86-9)

Biological limit values

No biological exposure limits noted for the ingredient(s).

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction) **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)

Appropriate engineering

controls

Use in a well ventilated area.

SDS US 2/6 9547 Version #: 01 Issue date: 16-Apr-2015

Material name: Q5949A-X-XC-XD

Individual protection measures, such as personal protective equipment

Not available. Eye/face protection

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 Not available. Odor Slight plastic odor **Odor threshold** Not available. рH Not applicable Not available. Melting point/freezing point 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 Not available.

(n-octanol/water)

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.

Material name: Q5949A-X-XC-XD SDS US

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Not available.

Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

Not available.

Serious eye damage/eye irritation

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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 toxicityNot 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

Q5949A-X-XC-XD

Aquatic

Fish LL50 Rainbow Trout > 1000 mg/l, 96 Hours

Persistence and degradabilityNot available.Bioaccumulative potentialNot available.Mobility in soilNot available.Other adverse effectsNot 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 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.

Material name: Q5949A-X-XC-XD SDS US

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Transport hazard class(es)

Class Not available.

Subsidiary risk

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 18 or more of these cartridges shipped together in a single package (e.g., box, container), by air,

are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

US Federal regulationsUS 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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

Material name: Q5949A-X-XC-XD

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, 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: Synonyms

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

Material name: Q5949A-X-XC-XD SDS US

SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet Q6511A-X-XC-XD Print Cartridge

Other means of identification Not available.

Recommended use

This product is a toner preparation that is used in HP LaserJet 2410/2420/2430 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. Not classified. **Health hazards Environmental hazards** Not classified. **OSHA** defined hazards Not classified.

Label elements

None. **Hazard symbol** Signal word None.

Not available. **Hazard statement**

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	<55
Iron oxide	Iron oxide	1317-61-9	<50
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.

Material name: Q6511A-X-XC-XD SDS US

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

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

firefiahters

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. Keep tightly closed and dry. Store

away from strong oxidizers.

8. Exposure controls/personal protection

Occupational exposure limits

US. NIOSH: Pocket Guide to Chemical Hazards Components **Type**

Amorphous silica (CAS **TWA** 6 mg/m3

7631-86-9)

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

Value

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

Not available. Eye/face protection

Material name: Q6511A-X-XC-XD SDS US 9550 Version #: 01 Issue date: 16-Apr-2015

2/6

Skin protection

Not available. **Hand protection** Not available. Other Respiratory protection Not available. Thermal hazards Not available.

9. Physical and chemical properties

Appearance Fine powder

Physical state Solid.

Color Not available. Odor Slight plastic odor **Odor threshold** Not available. Ηq 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

(%)

Flammability limit -

upper (%)

Not available.

Not flammable

Explosive limit - lower

(%)

Not available.

Explosive limit - upper

(%)

Not available.

Not applicable Vapor pressure

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.

Stable under normal storage conditions. **Chemical stability**

Possibility of hazardous

reactions

Will not occur.

Conditions to avoid Imaging Drum: Exposure to light

Incompatible materials Strong oxidizers

Hazardous decomposition Carbon monoxide and carbon dioxide.

products

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Material name: Q6511A-X-XC-XD SDS US 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

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 mutagenicityNegative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)

CarcinogenicityNot a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations

(USA), EU Directive, or Proposition 65 (California).

Reproductive toxicityNot 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

use > 15000 mg/kg

Rat > 22500 mg/kg

12. Ecological information

Ecotoxicity

Product Species Test Results

Q6511A-X-XC-XD

Aquatic

Fish LL50 Rainbow Trout > 1000 mg/l, 96 Hours

Persistence and degradability
Bioaccumulative potential
Mobility in soil
Other adverse effects
Not available.
Not available.
Not 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 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

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

Material name: Q6511A-X-XC-XD

UN proper shipping name

Magnetized Material

Transport hazard class(es)

Class Not available.

Subsidiary risk

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user **IMDG**

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information

7 or more of these cartridges shipped together in a single package (e.g., box, container), by air, are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and 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.

Material name: Q6511A-X-XC-XD

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: Synonyms

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

Material name: Q6511A-X-XC-XD SDS US

SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet Q7516A-AC Print Cartridge

Other means of identification Not available.

Recommended useThis product is a toner preparation that is used in HP LaserJet 5200/5200LE series printers

Recommended restrictions None known.

Company identificationHewlett-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

PreventionNot available.ResponseNot available.StorageNot available.DisposalNot 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	<u></u>
Styrene acrylate copolymer		Trade Secret	45<55
Ferrite including zinc		Trade Secret	40<50
Amorphous silica	Amorphous silica	7631-86-9	1<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.

Material name: Q7516A-AC SDS US

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Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

least 15 minutes or until particles are removed. If irritation persists, consult a physician.

Ingestion

Rinse mouth 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. Keep tightly closed and dry. Store away from strong oxidizers.

Value

8. Exposure controls/personal protection

Occupational exposure limits

US. NIOSH: Pocket Guide to Chemical Hazards Components **Type**

Amorphous silica (CAS **TWA** 6 mg/m3

7631-86-9)

Biological limit values

No biological exposure limits noted for the ingredient(s).

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction) **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)

Appropriate engineering

controls

Use in a well ventilated area.

Individual protection measures, such as personal protective equipment

Eye/face protection Not available.

Skin protection

Not available. **Hand protection**

Material name: Q7516A-AC 9993 Version #: 01 Issue date: 16-Apr-2015

SDS US

Not available. Other Respiratory protection Not available. Thermal hazards Not available.

9. Physical and chemical properties

Fine powder **Appearance Physical state** Solid.

Color Black.

Odor Slight plastic odor **Odor threshold** Not available. Not applicable рH Melting point/freezing point Not available. Initial boiling point and

boiling range

Not available.

Flash point Not applicable Not available. **Evaporation rate** 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.

Not applicable Vapor pressure

Solubility(ies)

Solubility (water) Negligible in water. Partially soluble in toluene and xylene.

Partition coefficient

(n-octanol/water)

Not available.

No data available **Auto-ignition temperature Decomposition temperature** Not available. **Viscosity** Not applicable

Other information

Percent volatile Negligible

Softening point 212 - 302 °F (100 - 150 °C)

212 - 302 °F (100 - 150 °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

Carbon monoxide and carbon dioxide.

products

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Material name: Q7516A-AC

Information on toxicological effects

Acute toxicity

Not available. Skin corrosion/irritation

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

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 None of the other ingredients in this preparation are classified as carcinogens according to ACGIH,

EU, IARC, MAK, NTP or OSHA.

Reproductive toxicity Not available. 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 Test Results Species

Q7516A-AC (CAS Mixture)

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

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Material name: Q7516A-AC SDS US Transport hazard class(es)

Class Not available.

Subsidiary risk

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information

20 or more of these cartridges shipped together in a single package (e.g., box, container), by air, are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and 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.

Material name: Q7516A-AC SDS US

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

2. Hazards Identification: US Hazard Categories Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties

Ecological Information: Ecotoxicity

Transport Information: Agency Name, Packaging Type, and Transport Mode Selection

15. 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

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 name: Q7516A-AC SDS US



SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet Q7551A-X-XC-XD Print Cartridge

Other means of identification Not available.

Recommended use This product is a toner preparation that is used in HP LaserJet 3005, M3027mfp, 3035mfp 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

None. **Hazard symbol** Signal word None.

Hazard statement Not available.

Precautionary statement

Not available. **Prevention** Response Not available. Not available. **Storage 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	<55
Ferrite including zinc		Trade Secret	<50
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.

Material name: Q7551A-X-XC-XD

Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

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 Guide to Chemical Hazards

Value Components **Type** Amorphous silica (CAS **TWA** 6 ma/m3

7631-86-9)

Biological limit values

No biological exposure limits noted for the ingredient(s).

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction) **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)

Appropriate engineering

controls

Use in a well ventilated area.

Material name: Q7551A-X-XC-XD 2/6

Individual protection measures, such as personal protective equipment

Eye/face protection

Skin protection

Not available.

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 Not available. Odor Slight plastic odor **Odor threshold** Not available. рH Not applicable Not available. Melting point/freezing point Initial boiling point and Not applicable

boiling range

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 Not available.

(n-octanol/water)

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.

Material name: Q7551A-X-XC-XD 3/6

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Not available.

Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

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

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

None of the other ingredients in this preparation are classified as carcinogens according 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

- 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.

Test Results Components **Species**

Amorphous silica (CAS 7631-86-9)

Acute

Oral

LD50 Mouse > 15000 mg/kg

Rat > 22500 mg/kg

12. Ecological information

Ecotoxicity

Product Test Results Species

Q7551A-X-XC-XD

Aquatic

LL50 Fish 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.

Material name: Q7551A-X-XC-XD

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Transport hazard class(es)

Not available. Class

Subsidiary risk

Packing group Not applicable.

Environmental hazards

Special precautions for Not available.

user

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 7 or more of these cartridges shipped together in a single package (e.g., box, container), by air, are

> regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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)

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations Not applicable.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

Material name: Q7551A-X-XC-XD 5/6

SDS US

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, 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

HazReg Data: North America

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)

International Agency for Research on Cancer **IARC**

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

Recommended Exposure Limit **REL**

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 name: Q7551A-X-XC-XD 6/6

SDS US



SAFETY DATA SHEET

1. Identification

Product identifier HP LaserJet Q7553A-X-XC-XD Print Cartridge

Other means of identification Not available.

Recommended use This product is a toner preparation that is used in HP LaserJet P2014/P2015/M2727mfp 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

None. **Hazard symbol** Signal word None.

Hazard statement Not available.

Precautionary statement

Not available. **Prevention** Response Not available. Not available. **Storage 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. 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	<55
Ferrite including zinc		Trade Secret	<50
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.

Material name: Q7553A-X-XC-XD

Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

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

None known.

Specific hazards arising from

the chemical

Not applicable.

CO2, water, or dry chemical

Special protective equipment

and precautions for

Not available.

firefighters

Fire-fighting

Specific methods

If fire occurs in the printer, treat as an electrical fire.

equipment/instructions

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 **Type**

Amorphous silica (CAS **TWA** 6 ma/m3

7631-86-9)

Biological limit values

No biological exposure limits noted for the ingredient(s).

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction) **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

Value

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.

SDS US 2/6 10085 Version #: 01 Issue date: 16-Apr-2015

Individual protection measures, such as personal protective equipment

Not available. **Eye/face protection**

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. рH Not applicable Not available. Melting point/freezing point Initial boiling point and Not applicable

boiling range

Flash point Not applicable Not applicable **Evaporation rate** 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 Not available.

(n-octanol/water)

Auto-ignition temperature Not applicable **Decomposition temperature** > 392 °F (> 200 °C) **Viscosity** Not applicable

Other information

Percent volatile Negligible

Softening point 212 - 302 °F (100 - 150 °C)

Specific gravity 1.4 - 1.8 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 Carbon monoxide and carbon dioxide.

products

Material name: Q7553A-X-XC-XD SDS US 10085 Version #: 01 Issue date: 16-Apr-2015

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

LD50/oral/rat >2000 mg/kg; (OECD 401); Not harmful. **Acute toxicity**

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 classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

irritation

Directive 67/548/EEC and as amended.

Respiratory or skin sensitization

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

None of the other ingredients in this preparation are classified as carcinogens according 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

single exposure

Not available.

Specific target organ toxicity

- repeated exposure

Not available.

Aspiration hazard

Not available.

Mouse

Rat

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.

Test Results Species

Components Amorphous silica (CAS 7631-86-9)

Acute

Oral

LD50

> 15000 mg/kg

> 22500 mg/kg

12. Ecological information

Ecotoxicity

Product	Species	Test Results
	- I	

Q7553A-X-XC-XD

Aquatic

LL50 Fish >= 1000 mg/l, 96 Hours Fish

Persistence and degradability Not available. **Bioaccumulative potential** Not available. Not available. Mobility in soil Not available. Other adverse effects

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.

Material name: Q7553A-X-XC-XD

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

UN proper shipping name Magnetized Material

Transport hazard class(es)

Not available. Class

Subsidiary risk

Packing group Not applicable.

Environmental hazards

Special precautions for Not available.

user

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information 9 or more of these cartridges shipped together in a single package (e.g., box, container), by air, are

> regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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)

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations Not applicable.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

Material name: Q7553A-X-XC-XD 5/6

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, 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

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(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

Material name: Q7553A-X-XC-XD 6/6

SDS US

SAFETY DATA SHEET

1. Identification

Company identification

Product identifier HP LaserJet Q7570A-AC Print Cartridge

Other means of identification Not available.

Recommended use

This product is a toner preparation that is used in HP LaserJet 5025 mfp/ 5035 mfp series printers

Recommended restrictions 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. Not classified. **Health hazards Environmental hazards** Not classified. **OSHA** defined hazards Not classified.

Label elements

None. **Hazard symbol** Signal word None.

Not available. **Hazard statement**

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. 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	<55
Ferrite including zinc		Trade Secret	<50
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.

Material name: Q7570A-AC SDS US

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact

least 15 minutes or until particles are removed. If irritation persists, consult a physician.

Ingestion

Rinse mouth 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.

Value

8. Exposure controls/personal protection

Occupational exposure limits

US. NIOSH: Pocket Guide to Chemical Hazards Components **Type**

Amorphous silica (CAS **TWA** 6 mg/m3

7631-86-9)

Biological limit values

No biological exposure limits noted for the ingredient(s).

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction) **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)

Appropriate engineering

controls

Use in a well ventilated area.

Individual protection measures, such as personal protective equipment

Eye/face protection Not available.

Skin protection

Not available. **Hand protection**

Material name: Q7570A-AC SDS US

Not available. Other Respiratory protection Not available. Thermal hazards Not available.

9. Physical and chemical properties

Fine powder **Appearance**

Physical state Solid. Color Black.

Odor Slight plastic odor **Odor threshold** Not available. Not applicable рH Melting point/freezing point Not available. Initial boiling point and Not available.

boiling range

Flash point Not applicable Not available. **Evaporation rate** 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.

Not applicable Vapor pressure

Solubility(ies)

Solubility (water) Negligible in water. Partially soluble in toluene and xylene.

Partition coefficient (n-octanol/water)

Not available.

No data available **Auto-ignition temperature Decomposition temperature**

Not available. Not applicable

Other information

Viscosity

Percent volatile Not applicable

212 - 302 °F (100 - 150 °C) Softening point

212 - 302 °F (100 - 150 °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

Carbon monoxide and carbon dioxide.

products

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Material name: Q7570A-AC SDS US

Information on toxicological effects

Acute toxicity

Not available. Skin corrosion/irritation

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

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 None of the other ingredients in this preparation are classified as carcinogens according to ACGIH,

EU, IARC, MAK, NTP or OSHA.

Reproductive toxicity Not available. Specific target organ toxicity Not available.

- single exposure

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 Test Results Species

Q7570A-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

DOT

Not regulated as dangerous goods.

IATA

UN number UN2807

Magnetized Material **UN proper shipping name**

Material name: Q7570A-AC

Transport hazard class(es)

Class Not available.

Subsidiary risk

Packing group Not applicable.

Environmental hazards No.

Special precautions for Not available.

user

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information

3 or more of these cartridges shipped together in a single package (e.g., box, container), by air, are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

15. Regulatory information

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 Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and 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 hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

Other federal regulations

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations Not applicable.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and 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.

Material name: Q7570A-AC SDS US

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 Toxicological Information: Toxicological Data

Ecological Information: Ecotoxicity

Transport Information: Agency Name, Packaging Type, and Transport Mode Selection

Manufacturer information Hewlett-Packard Company

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(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

Material name: Q7570A-AC SDS US